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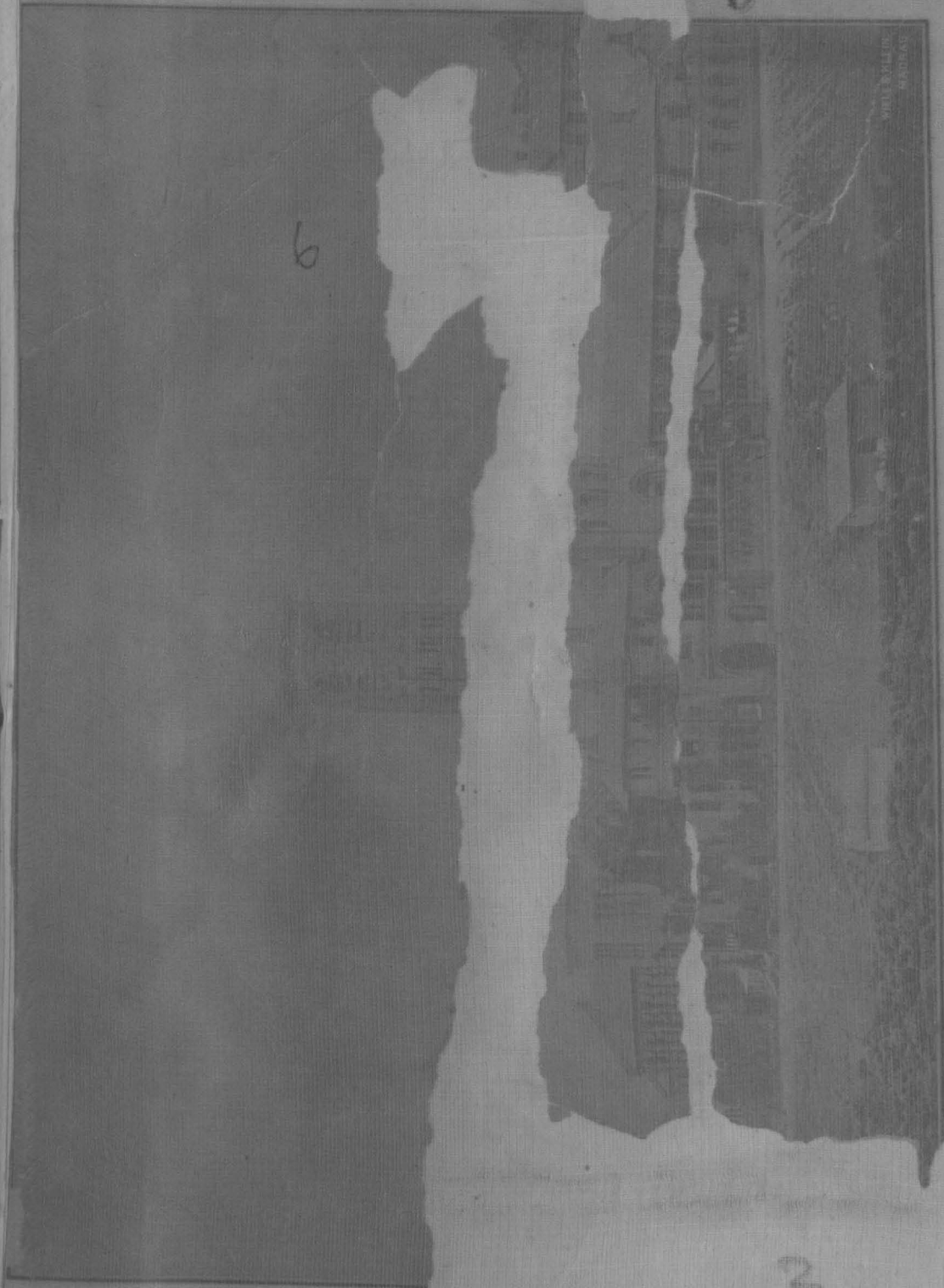
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SUMMARY OF CONTENTS.

Contents	i-1
Nominal Index	li-lxxviii
Retrospect for 1902	[1]-[33]
Part I.-Calendar	1- 80
II.-European and Indian	81- 145
III.-Civil	146- 664
IV.-Military	665- 705
V.-Judicial	706- 770
VI.-Marine	771- 840
VII.-Commercial	841- 952
VIII.-Ecclesiastical	953-1089
IX.-Educational	1090-1188
X.-Miscellaneous	1189-1249
XI.-Mofussil	1250-1373
List of Residents	1374-1417
Domestic Occurrences	1418-1430
Appendix-Acts, &c.	1- 70
Advertisements	[i]-[xxii]



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CONTENTS.

RETROSPECT FOR 1902

[1]—[33]

A		Page		Page
Aachen and Munich Fire Insur-			Adeikalanathar Church	980
ance Company	850		Adhesive Stamps, Stamp Depart-	
Abbreviations used in writing	770		ment	446
Abkari and Salt Department—			Adjutant-General's Department...	671
Assistant Commissioners of	296		Adjutants-General, Madras Army,	
Commissioner of	295		(from 1786)	112
Competitive Examination for			Administration of the Port of	
the	353		Madras	771
Deputy Commissioners of	295		Admission of Pleaders	735
Inspectors of Salt Revenue	298		Admission to the Political Depart-	
Names of Circles constituted			ment	308
under the Madras Salt Act,			Admission to the Staff Corps of	
1889	295		Officers from British Corps	665
Salt, Abkari and Customs De-			Advocates practising in Madras	745
partment	295		Aerated Water Manufacturers	903
Salt and Separate Revenue			Armator Company of Chicago	848
Board	295		Agencies—	
Abstract of Joint-Stock Com-			Bombay Cycle	908
panies	545		Diffusion of Knowledge	1240
Accountant-General's Office	148		Government Consignments, Port	
Accountants, Public	913		Department	771
Accounts—			Madras Sale, Ltd.	903
Assistant Examiners, P.W.D.	277		Type Writers'	914
Deputy Examiners, P.W.D.	277		Agents and Bankers—	
Examiner of Guaranteed Rail-			Arbuthnot & Co., Bentinck's	
ways	153		Buildings, North Beach Road,	
Examiners of P. W. D.	278		Madras	846
Examiners of P. W., Madras			Austro-Hungarian Consulate,	
and Coorg	153		Armenian Street, Madras...	846
Examiners of Railway	278		Beardsell & Co.	846
Military, Department	669		Best & Co., North Beach,	
Act—			Madras	846
The Christian Marriage Act, List			Biny & Co., Armenian Street,	
of Persons Licensed under	1002		Madras	846
The Indian Factories, 1891	569		Carl Simon Soehne, Esplanade,	
The Indian Railway, 1890	887		Madras	846
The Indian Registration, 1877	536		Cutler, Palmer & Co., 2nd Line	
Acts—			Beach, Madras	846
Administrator-General's	App. 9		Deane, G. W. & Co., Popham's	
Oaths	574		Broadway, Madras	846
of the Governor-General in			Dynes & Co., Popham's	
Council	App. 1		Broadway, Madras	846
of the Governor in Council,			Gordon, Woodroffe & Co., No.	
Fort St. George	App. 14		21, North Beach, Madras	846
Unrepealed, of the Government			Hajee Mohamed Badsha Sahib	
of Fort St. George	App. 65		& Co.	846
Unrepealed, of the Government			Huson & Robinson, No. 9,	
of India applicable to Madras			Armenian Street, Madras	846
Presidency	App. 61		Leighton & Co., No. 14, 2nd	
			Line Beach, Madras	846

	Page		Page
Bookbinders, Visiting Card Printers, etc.	904	Calendar for the Year 1903—contd.	
Booksellers and Stationers	904	Gardening	73
Boot and Shoemakers	905	Geographical Positions, Elevations, etc.	67
Branch Depôts for the sale of Stamps	457	Gregorian, or New Style	1
Branch of the National Conference of India	1239	Hindu Cycle of Sixty years	62
British Aluminium Company	848	Hindu, Mahomedan, and Jewish Eras	2
British and Foreign Marine Insurance Co., Ltd.	840	Hourly Variations of the Barometer and Thermometer from Daily Mean	66
British India Steam Navigation Co.	867	Krishika Vriatham Ceremonies	3
British Medical Association, South Indian Branch	1222	Madras Commercial Holidays—Mean Barometric Pressure Temperature Directory of Wind, and Rainfall at Madras	5
British Postal Orders	406	Movable Festivals for the 20th Century	13
Buckingham Canal	623	Native Feasts and Observances	42
Burma Government	105	Neptune's Satellites at Madras	59
Burma State Railway	881	New Moon or Amavasa Vriatham	3
Burrakur Coal Company, Ltd.	848	Oriental Names of the Months	10
Dye-Laws of the Madras Municipality	613	Oriental Names of the Week-days	10
Bysam Mathava Chetty's Charity Fund	1218	Phases of the Moon	18
		Phenomena	18
C		Planetary Phenomena for 1903..	5
		Principal Hindu Festivals	3
		Principal Mahomedan Festivals ..	2
		Public Holidays in India	4
		Right Ascension and Declination of the Sun and Planets at Madras for 1903	57
Cabinet Makers	905	Rising and Setting of the Five Principal Planets at Madras for 1903	53
Calendars for the Year 1903—Anniversaries, etc.	2	Saturn's Satellites at Madras ..	57
A Table of Dominical Letters for 6,000 years, etc.	11	The Dominical Letter being known it is easy to find the day of the Week, etc.	12
A Table of the number of days from any day in one month to the same in any other month in ordinary years	10	The Sun's Declination for 1903 Apparent Noon at Greenwich ..	61
Average Monthly Rainfall for 85 years	71	Canadian Baptist Telugu Mission ..	1043
Christian, from 1820 to 1900, New Style	9	Canals and Public Ferries in the Presidency of Madras	624
Chronological Notes and Movable Festivals for the 20th Century	13	Canton Marine Insurance Co., Ltd.	848
Day of the year corresponding to the last day of each month ..	9	Carnatic Mill Company, Ltd.	861
Eclipses in 1903	3	"Carnatic" Masonic Lodge	1248
Eclipses of Jupiter's Satellites observable at Madras	6	Carnatic Stipends, Maymaster ..	159
Ekadasi Vriatham Ceremonies....	3	Carpet Merchants, etc.	906
English	13	Carriage Builders	906
English, Mahomedan, Tamil, Telugu, etc.	7	Casual Students at the Medical College, Madras	1131
Equation of Time and Hourly Variation for 1903. Apparent Noon at Greenwich	63	Cawnpore-Achnera State Railway ..	877
Explanation of Chronological Cycles and Eras	1	Cemetery Fees, etc.	1057
Explanatory Notes on the Fixed and Movable Festivals ..	2	Cemetery—Pursewalkum	1083
		Census of each District in the Madras Presidency, 1901—1891 ..	592
		Central Depôts for the sale of Stamps	456
		Central Jails	762

	Page		Page
Ceremonies—		Christian Calendar from 1820 to 1900, New Style	9
Ekadasi Vriatham	3	Christian College Church	979
Krishika Vriatham	3	Christian College, Madras	1162
Ceremonious communications with persons of Title, Official position, Forms of Address	654	Christian Literature Society	1041
Certificates for Pleaders	741	Chronological Notes	1
Ceylon Railway	881	Church Mission Chapel	978
Chamber of Commerce, Madras—General Rates of Agency and Commission	854	Church Mission Society	996
List of Members	851	Church Mission Society's Office	996
Rules and Regulations of the Survey Reports and Arbitration Awards	853	Church of the Assumption (R.C.)	996
Champion Reefs Gold Mining Company of India, Ltd.	848	Church of the Good Shepherd ..	1001
Changes in the Administration and Organisation of the Army in India	684	Church of England Zenana Society ..	979
Changes in the position and designation of the members of the Apothecary Branch of the Subordinate Medical Department	704	Church of Our Lady of Lourdes (R.C.)	981
Chaplains' Register of Visits and Services in Hospital	1033	Church of the Purification (R.C.) ..	981
Chaplains' Services	953	Church of the Refuge (R.C.)	981
Chaplains' Visits to Out-Station. Charges of Divisional Officers for the year 1898-99	576	Church of Scotland Mission College	1163
Charges for Telegrams to Europe ..	427	Church of Scotland's Indian Mission	1032
Chartered Bank of India, Australia and China	842	Church of Scotland's Women's Association for Missions	1033
Cathedral Church of St. George ..	276	Churches and Chapels in Madras—Adaikalanathan, Pursewalkum ..	980
Chemical Examiner's (Government) Office	151	Baptist Chapel, Fannah Street, Chintadripetiah ..	980
Chemists and Druggists	906	Baptist Chapel, Vepery High Road	980
Chemists and Druggists' Department, Medical College, Madras ..	1130	Blessed Virgin Mary of the Snow (R.C.), The Luz	981
Chengalroya Naicker's Commercial School	1183	Christ Church, Mount Road	977
Chengalroya Naicker's Hindu Orphanage and Industrial School ..	1183	Church Mission Chapel, Popnam's Broadway	978
Chief Colonies of Great Britain with their Governors	83	Church of the Assumption (R.C.), Black Town	981
Chief Commissioner of Assam	107	Church of the Good Shepherd, Sullivan's Gardens	979
Chief Commissioner of Central Provinces	107	Church of Our Lady of Lourdes (R.C.), Perambore	981
Chief Court, Lower Burma	106	Church of The Purification (R.C.), North Black Town....	981
Chief Court, Punjab	104	Church of the Refuge (R.C.), North Black Town	981
Chief Officers of the Postal Department	378	College Church, Madras ..	979
Chief Secretariat Office	161	Christian College	979
Chief Supply and Transport Office, Madras District	158	Holy Cross, Perambore	977
Chief Supply and Transport Officer	158	Holy Emmanuel, South Black Town	976
China Fire Insurance Co., Ltd.	849	London Mission (Congregational), Davidson Street	179
Chintadripetiah Christian Association	1049	London Mission Tamil Chapel, Pursewalkum	979
Christ Church, Mount Road	977	Methodist Episcopal, Royapuram	980
Christ Church District Poor School	1170	Methodist Episcopal, Vepery ..	980
		Morning Star, Royapuram	981
		Sacred Heart of Jesus (R.C.), Puduket	981
		San Thome Cathedral (R.C.) ..	981
		St. Andrew's (The Kirk), Poomanallee High Road ..	979

	Page		Page
Churches and Chapels— <i>contd.</i>		Clubs— <i>contd.</i>	
St. Andrew's (Church of Scotland), Chulsi	979	The Madras	1198
St. Andrew's (R.C.), Vepery	981	The Madras Cricket	1199
St. Anthony's (R.C.), Adyar	981	The Madras Cyclists'	1199
St. Anthony's (R.C.), Padupet	981	The Madras Gymkhana	1199
St. Anthony's (R.C.), Royapuram	981	The Triplicane Charity	1200
St. Francis Xavier's (R.C.), North Black Town	981	Coast Port Officers and Conservators	771
St. George's Cathedral, Teynampet	976	Cochin Directory	1283
St. John's, Black Town	978	Collections of Land Revenue, etc., of Madras Presidency	575
St. Mark's, North Black Town	977	Collector of Income Tax, Madras	520
St. Mary's, Fort St. George	976	College Church, Madras	977
St. Mary of the Angels, Armenian Street	981	Colleges—	
St. Matthias', Vepery	977	Agriculture, Saidapet	1142
St. Paul's, Hunter's Road, Vepery	978	Church of Scotland Mission	1163
St. Peter's (R.C.), Royapuram	981	Doyeton Protestant	1165
St. Thomas', San Thome	977	Engineering, Madras	1146
S. P. G. Mission Church, Egmore	978	Free Church Institutions and Madras Christian	1162
S. P. G. Tamil Church, San Thome	978	Kumbakonam	1108
Tamil Church (United Free Church of Scotland), Royapuram	979	Madras Law	1158
The Mee de Deus, Mylapore	981	Madras Medical	1118
Trinity Chapel, John Pereira's	977	Pachaiyappa's, Madras	1181
Unitarian Chapel, Purjewalkum	981	Presidency, Madras	1108
Wesleyan Methodist, Perambore	980	Rajahmundry	1108
Wesleyan Methodist, Popham's Broadway	979	Rajahmundry Training	1108
Wesleyan, Royapettah	980	S. P. G. Theological	1171
Zion, Chintadripetam	978	San Thome	1175
Churchwardens and Lay Trustees	986	St. Mary's (R. C.), Madras	1172
Circulating Library, Madras	1213	Teachers', Saidapet	1103
Cigar Merchants and Tobaccoists	907	Wesleyan Mission	1175
City and Civil Court, Madras	756	Collegiate School for Girls and Infants	1169
City of Glasgow Life Assurance Co., Ltd.	849	Colonial and Continental Church Society	1000
City of Madras, Description of	598	Colonial Treasurers, etc.	85
City Police, Madras	762	Combined Post and Telegraph Offices	280
Civil and Military Tailors, etc.	907	Commander-in-Chief in India	107
Civil Orphan Asylum	1177	Commanders-in-Chief, Madras Army (from 1785)	110
Civil Rules of Practice 1902	App. 29	Commercial Holidays in Madras, 1903	5
Civil Scale of Allowances	162	Commercial Bank of India, Ltd.	841
Civil Veterinary Department Office	150	Commercial Union Fire and Marine Assurance Company, Ltd.	848
Claims on Half or Mutilated Currency Notes	272	Commission Agents, Produce Brokers, Suppliers and Contractors	907
Clan Line Steamships	872	Commissioner for Government Examinations	151
Clergymen receiving Allowances from Government	990	Commissioner of Abkari and Salt Department	235
Clubs—		Commissioner for Government Examinations, Office of Madras	151
Cosmopolitan	1198	Commissioner of Income Tax, Madras	529
Excelsior	1200	Commissioner of Income Tax, Office of Madras	161
Favourite	1200	Commissioner of Police, Madras	151
Padupet Star of India Cricket	1200	Commissioner of Police, Office of Madras	151
		Commissioners, Madras Municipality	602

	Page		Page
Common Abbreviations used in Writing	770	Companies— <i>contd.</i>	
Computation of Pensions of Officers of the Indian Military Service	675	Assurance—Insurance— <i>contd.</i>	
Companies—		Indian Guarantee and Security Association	850
Assurance—Insurance:		International Lloyd	848
Aachen and Munich Fire Insurance	850	La Fonciere Compagnie de Assurance	848
Aix-la-Chapelle	850	"La Suisse" Marine Insurance, Zurich	849
Alliance Fire Insurance	849	Liverpool Underwriter's	848
Alliance Insurance (M. only)	849	Lloyd's	848
Alliance Marine and General Ltd.	850	Lloyd's Underwriter's	848
"Allianz" Versicherungs-Aktiengesellschaft	850	London Fire and Life Corporation	849
Assicurazioni Generali, Trieste	850	London and Lancashire Fire Insurance	850
Atlas Assurance	850	London and Lancashire Fire Insurance, Ltd.	849
Baden Marine Insurance, Ltd.	848	London and Lancashire Life Assurance	850
Baden Marine Insurance, Ltd., Mannheim	850	London and Provincial Marine Insurance, Ltd.	848
Baltavia Sea and Fire	849	London Salvage Association	848
Bavarian Lloyd Marine, Ltd., of Munich	849	Madras Equitable Life Assurance	849
Bombay Fire Insurance	849	Magdeburg Fire Insurance	849
Bombay Fire and Marine Insurance, Ltd.	850	Manchester Fire Assurance	849
British and Foreign Marine Insurance, Ltd.	849	Mannheim Insurance, Ltd.	849
Caledonian Insurance	829	Marine Insurance of M. Gladbach	849
Canton Marine Insurance, Ltd.	848	Maritime Insurance, Ltd.	848
China Fire Insurance, Ltd.	849	Merchants' Marine Insurance	850
City of Glasgow Life Assurance	849	Munich Re-Insurance	850
Commercial Union Fire and Marine Assurance, Ltd.	848	National Assurance of Ireland	849
Deutsche Rück and Mitversicherung Gesellschaft in Berlin	849	National Board of Marine Underwriters, New York	848
Düsseldorfer Allgemeine Versicherungs Gesellschaft	850	Netherlands Fire Insurance (Fire only)	849
Eagle Insurance	850	Netherlands Indian Sea and Fire Insurance	849
Eastern Marine and Fire	848	New Zealand Fire, Life and Marine Insurance	849
English and Scottish Law Life Assurance Association	850	North British and Mercantile Fire and Life Insurance	850
Fortuna Allgemeine Versicherungs Gesellschaft	850	North China Insurance, Ltd.	849
Fuer-Assecuranz-Compagnie von, 1877	849	North German Marine Insurance	850
Guardian Fire and Life Assurance	850	North Queensland Marine Insurance, Ltd.	850
Hamburg-Bremen Fire Insurance	849	Northern Fire and Life Assurance	849
Hongkong Fire Insurance, Ltd.	849	Norwich Union Fire Insurance Society	849
Imperial Fire Insurance, Ltd.	849	Ocean Marine Insurance	850
Imperial Life Insurance	849	Palatine Fire Insurance, Ltd.	849
Indemnity Mutual Marine Assurance (Marine only)	849	Phoenix Assurance	849
		Prussian National Marine and Fire, Stettin	849
		Railway Passengers' Assurance	850
		Reliance Marine Insurance, Ltd.	849
		Rhenania Versicherungs Aktien Gesellschaft in Köln	849

Companies—contd.	Page	Companies—contd.	Page
Assurance-Insurance—contd.		Gold Mining:	
Rheinisch-Westfälischer Lloyd ..	849	Champion Reefs Gold Mining	
Royal Exchange Assurance ..	849	of India, Ltd.	848
Royal Fire and Life Insurance ..	849	Coromandel Gold Mining of	
Royal Insurance (in which the		India, Ltd.	848
Queen is now merged) ..	849	Mysore Concession, Ltd.	848
Scottish Imperial Insurance ..	849	Mysore West and Wyznad,	
Scottish Metropolitan Assur-		Ltd.	848
ance ..	850	New Kampenstone Gold Field,	
Scottish Union and National		Ltd.	848
Insurance ..	849	Gold Mining, of	
South British Fire and Marine		Ltd.	848
Standard Life Assurance ..	849	Gold Mining of	
Sun Insurance ..	850	India, Ltd.	848
San Life Assurance of India		Royal Block Gold Mining of	
Thames and Mersey Insur-		India, Ltd.	848
ance, Ltd.	848	Steamship:	
The Agrippina Insurance ..	850	American and India S. S.	
The Empress Assurance Cor-		Line ..	848
poration, Ltd.	848	Anchor Line ..	848
The Gresham Life Insur-		Asiatic Steam Navigation,	
ance ..	850	Ltd.	870
The Law Union and Crown		Australian and Indian Lines	
Fire and Life Assurance ..	850	Austrian Lloyd's Steam	
The New York Life Insur-		Navigation ..	869
ance ..	850	"Bibby" Line ..	849
The Maritime Insurance, Ltd.		British India Steam Navi-	
The North British and Mer-		gation ..	867
cantile Fire Insurance ..	850	Clas Line ..	872
The Oriental Government Se-		Des Messageries Maritimes	
curity Life Assurance		de France ..	871
Ltd.	850	Hansa Line ..	848
The Provident Insurance ..	850	Natal Direct Line ..	848
The Russian Marine Insurance		North German Lloyd	
The State Fire Insurance		(Bremer) ..	848
Ltd.	850	Ocean Steamship ..	848
The Union Assurance Society		Orient and Pacific Line ..	848
The Union Marine Insurance,		P. & O. Steam Navigation ..	862
Ltd.	850	Trading:	
Transatlantic Fire and Marine		Aeroplane of Chicago ..	848
Insurance, Ltd.	849	Anglo-French Textile ..	848
Transport Assurance of		British Aluminium ..	848
Vienna ..	850	Burraich Coal, Ltd.	848
Triton Marine Insurance, Ltd.		Hyderabad, Deccan (Coal	
Underwriting and Agency As-		Agency) ..	848
sociation ..	848	Madras Electric Tramways	
Union Insurance Society of		Trust ..	872
Canton, Ltd.	849	Nobel's Explosives, Ltd.	848
Union Internationale ..	848	Onkes & Co., Ltd.	848
United Swiss Marine Insur-		Oriental Salt, Ltd.	848
ance ..	850	Oriental Telephone and Ele-	
Universal Life Assurance, Ltd.		tric, Ltd.	859
Universal Life Assurance So-		Reuter's Telegrams, Ltd.	857
cietv ..	849	Shell Transport and Trading	
Verion der Hamburger Asse-		Southern India Spinning and	
curadeure, Hamburg ..	849	Weaving, Ltd.	862
Western Fire and Marine		Spencer & Co., Ltd.	857
Assurance ..	849	The Buckingham Mill, Ltd. ..	861
World Marine Insurance, Ltd.		The Carnarvon Mill, Ltd.	861
Wortenberg Insurance ..	850	The Eastern Extension Austral-	
Yangtze Insurance Associa-		asia and China Telegraph	
tion, Ltd.	849	Ltd.	857
Yorkshire Insurance ..	849		

Companies—concl.	Page	Dates of opening the various Sec-	Page
Trading—concl.		tions of the Southern Mahratta	
The Madras Ice Manufactur-		Railway ..	902
ing, Ltd.	862	Davidson Street Boys' and Girls'	
The Madras Portland Cement		Schools ..	1175
and Tile Works, Ltd.	862	Day Signals, Port Department ..	823
The Madras Stable, Ltd.	862	Day of the Year corresponding to	
The Madras United Spinning		the last day of each Month ..	9
and Weaving, Ltd.	861	Dead Letter Office, Postal Depart-	
Wilson's Estates, Ltd.	848	ment ..	379
Compendium of the Law of		Dealers in Dress Stuffs ..	904
Storms (prepared for the Bay of		Dealers in Cashmere Shawls, Pul-	
Bengal) ..	823	karies, Stones, etc.	904
Competitive Examination for the		Dealers in Crockery, Outlary,	
Abkari and Salt Department ..	353	Glass, Plated and Enamel Ware ..	904
Condiment Manufacturers ..	910	Dealers in Gentlemen's and Ladies'	
Connemara Library ..	153	Dress Stuffs, etc.	904
"Coorg" Masonic Lodge ..	1248	Dealers in Indian, Chinese, Ja-	
Conservators of the Port of		panese Works, Curiosities, etc.	905
Madras ..	771	Dealers in Mill, Mining, Factory	
Consistory Court ..	985	and Railway Stores ..	905
Consuls, etc., in the Madras Pres-		"Deccan" Masonic Lodge ..	1248
idency ..	151	Delhi-Umballa-Kalka Railway ..	879
Consulting Architect to Govern-		Dental Surgeons ..	905
ment, Madras ..	153	Departmental Rules, P. W. D.	369
Consulting Architect to Govern-		Department of Revenue Settle-	
ment, Office of ..	153	ment, Land Records and	
Consulting Architect's Division ..	279	Agriculture, Office of ..	150
Consulting Engineer for Railways,		Departmental Staff, Madras	
Office of, Madras ..	152	Command ..	109
Consulting Engineers for Rail-		Departments—	
ways ..	278	Adjutant-General's ..	671
Contracting Staff, Forest Depart-		Army Clothing ..	143
ment ..	257	Customs ..	482
Copyright in Books, Government ..	1114	Ecclesiastical, Madras ..	933
Coromandel Gold Mining Com-		Educational, Army ..	681
pany of India, Ltd.	848	Educational, Madras ..	1076
Cosmopolitan Club ..	1198	Emigration ..	152
Council Office, Fort St. George ..	92	Finance and Commerce ..	482
Council of the Medical College,		Financial ..	289
Madras ..	1118	Forest ..	257
Commiss of Dufferin's Fund ..	1127	Government of India Telegraph ..	409
Country and Foreign Provision		Income Tax ..	529
Dépôt ..	908	Indian Subordinate Medical ..	700
Court-fees and Stamps ..	465	Jail ..	702
Court of Small Causes Office ..	152	Judge Advocate-General's ..	671
Cricketer Club, Madras ..	1199	Judicial ..	706
Currency Department ..	292	Magisterial ..	764
Custom House ..	482	Marine ..	771
Customs Collectors at Madras Out-		Military ..	665
Ports ..	772	Military Accounts ..	669
Cycle Depôts and Repairers ..	908	Military Works ..	662
Cyclists' Club, Madras ..	1199	Ordnance ..	670
Cyclone Code ..	819	Paper Currency ..	222
		Police ..	753
		Political ..	100
		Port ..	771
		Postal ..	378
		Public Works ..	369
		Public Works, Railway Branch ..	275
		Quit Rent, etc.	518
		Registration ..	532
		Revenue Settlement, Land Re-	
		ords and Agriculture ..	265

	Page		Page
Departments— <i>contd.</i>		Directories, Mofussil—	
Salt and Abkari and Separate Revenue	295	Bangalore and Mysore	1250
Stamp	428	Bellary	1290
Supply and Transport	667	Cochin	1293
Survey	265	Hyderabad	1299
Telegraph	409	Mangalore	1313
Vaccine, Madras Municipality	633	Nellore	1316
Veterinary, Army	704	Nilgiri	1318
Veterinary, Civil, Madras	180	Pondicherry and Karrikal	1343
Deposit of Wills, Registration Department	534	Palani Hills	1348
Deputy Adjutants-General, Madras Command	112	Pudakkottai State and Trichinopoly	1344
Deputy Adjutant-General's Office	156	Shevaroy Hills (Yercaud)	1351
Deputy Collectors	234	Travancore and Kanan-Devan Hills	1354
Deputy Commissioner of Police	151	Discharging Guns in the Port of Madras	787
Deputy Commissioner of Police, Office of	181	Discharging or taking in Gunpowder or other Explosives in the Port of Madras	787
Deputy Commissioners of Abkari and Salt Department	295	Dispensaries—	
Deputy Conservators' Office, Port of Madras	159	Anglo-Indian, Triplicane	909
Deputy Director-General, Government of India Telegraph Department	409	Qaisar, Triplicane	909
Deputy Director-General for Transport	168	San Thomé	909
Deputy Examiners of P. W. D. Accounts	277	The Hyderi, Triplicane	909
Deputy Inspector of Vaccination, Office of	152	Distances by road from Madras City to various parts of the Presidency	696
Deputy Inspector, Vaccine Department	635	Distribution of Forces in Madras Command	674
Deputy Tahsildars and Stationary Sub-Magistrates in the Madras Presidency	251	Distribution List of the Engineer Establishment and Accounts of the Public Works Department of the Madras Presidency	278
Description of the City of Madras and neighbouring places of resort	598	District and Divisional Inspectors of Police	763
Description required in Document relating to Immovable Property.	534	District and Sessions Judges	706
Des Messageries Maritimes de France	871	District and Taluk Boards, etc.	589
Despatch of Inland Mails	882	District Grand Lodge of Freemasons	1247
Deutsche Rück and Mitversicherungs Gesellschaft Assurance Company, Berlin	849	District Jails	762
Diamond Merchants	909	District Munsiffs	708
Diary of the 20th Century	17	District Officers in Cochin	1283
Diffusion of Knowledge Agency	1240	District Officers in Nellore	1317
Diocesan Branch of the Church of England Temperance Society	1194	District Officers in Nilgiris	1320
Diocesan Council of Madras	990	District Registrar's Office, Registration Department	151
Director-General of Government of India Telegraph Department	409	District Registrars of Joint Stock Companies	532
Director of Public Instruction	152	District Staff Office, Madras District	156
Director of Public Instruction, Office of	152	Divisional Officers for the year 1898-99, showing charges of	576
Directors, Madras Railway	894	Divisions of Madras Municipality	603
Directors, Pondicherry Railway	901	Documents exempt from Stamp-duty	449
Directors, South Indian Railway	900	Documents to be forwarded to Registrar of Joint-Stock Companies	541
Directors, Southern Mahratta Railway	901	Domestic Occurrences	1357
		Dorseton Girls' High School	1168
		Drury School	1170
		Dufferin Fund Prizes at the Medical College, Madras	1139

	Page		Page
Dusseldorfer Allgemeine Versicherungs Gesellschaft Insurance Company	850	Ecclesiastical Department— <i>contd.</i>	
		Rules in regard to the levy of Ecclesiastical Fees	987
		Rules relating to the Office and Duties of Lay Trustees and Churchwardens	985
		Rules for regulating grants for the building of Churches, etc.	1064
		See of Bombay	95
		See of Calcutta	90
		See of Madras	953
		See of San Thomé (R. C.)	1057
		Services of Chaplains	953
		Surrogates for granting Marriage Licenses	988
		The Syrian Catholic Church in Malabar	1052
		Eclipses in 1903	3
		Eclipses of Jupiter's Satellites observable in Madras, 1903	5
		Educational Department—	
		Army	681
		Board of Examiners	151
		Board of Examiners for Teachers' Certificates	149
		Commissioner for Government Examinations	151
		Director of Public Instruction	1096
		Graded Educational Service—	
		European, Indian and Provincial	1096
		Inspector of Schools, Central Circle	1096
		Inspector of Girls' Schools	1099
		Sub-Assistant Inspector of Schools	1107
		Sub-Assistant Inspector of Girls' Schools	1108
		The Madras Teachers' Guild	1242
		The Madras Text-Book Committee	1117
		Egmore Women's Workshop	1193
		Ekadasi Ceremony	2
		Election of Commissioners for Madras Municipality	603
		Electric Tramways Co., Madras	872
		Elephant Gate Association	1131
		Elephant Gate Poor School	1172
		Emigration Department	152
		Enactments, Repealed, Stamp Department	445
		Endowments, Madras Medical College	1142
		Engineering College, Madras	1146
		Engineers, Contractors, and Ironfounders	909
		English and Scottish Law Life Assurance Association	850
		English Calendar for 1903	18
		English, Mahomedan, Tamil, Telugu, etc., Calendar	8
		English Printing Presses	917
		Entire Currency Notes Lost	298

	Page		Page
Entrée (Private) to Government House, Madras	141	Examinations— <i>concid.</i>	
Equation of Time and Variation for 1903, Apparent Noon at Greenwich	63	Rules for the of Traffic Officers of the South Indian Railway in Tamil and Telugu	317
Equitable Life Assurance Company, Madras	848	Special Test	337
Erratum issued by the Chief Customs Authority, Madras	484	Test in the Vernaculars for Military Officers	324
Eurasian and Anglo-Indian Association of Southern India	1222	Upper Secondary	333
European and Native Sub-Inspectors of Police	763	Examiner of P. W. D. Accounts	278
Examinations—		Examiner of Accounts, P. W., Madras and Coorg	153
Commissioner for Government, Competitive, for the Salt and Abkari Department	353	Examiner of Guaranteed Railway Accounts	153
for Admission to the Political Department	308	Examiner of Military Accounts	669
for Pleaders	740	Examiners, Board of	151
for Rewards	305	Examiners of Railway Accounts	278
Government Technical in the Vernaculars conducted by the Board of Examiner	299	Examiners for Teachers' Certificates	149
Lower Secondary	329	Exchange Tables—	
of Assistants in the Indian Civil Service	299	Pounds Sterling into Rupees	325
of Bank Agents and Accountants in the Vernaculars	317	Rupees into Pounds Sterling	324
of Candidates in Government Service or Railways in the Vernaculars of Southern India	304	Executive (Indian), Madras Railway	594
of Cantonment Magistrates in Law	323	Executive (Indian), Pondicherry Railway	901
of Commissioned Officers posted to Civil Charges in the Vernaculars of Southern India	317	Executive (Indian), South Indian Railway	900
of Deputy Collectors in the Vernaculars	321	Executive (Indian), Southern Mahratta Railway	901
of Military Officers conducted by Board of Examiners	324	Executive Staff, Central Circle, Forest Department	261
of Officers in the Forest Department in Law and Revenue	320	Executive Staff, Northern Circle, Forest Department	263
of Officers of the Superior Grades of Police in Law and Vernaculars	312	Executive Staff, Southern Circle, Forest Department	260
Primary	327	Expense, Income or Wages, Table of	934
Public Service Notification	366	Explanation of Chronological Cycles and Eras	1
Rules for Government	327	Explanatory Notes on the Calendar	30
Rules for the, of European and Eurasian Civil Officers of Government in the Vernaculars of Southern India	313	Extinguishing Fire on board vessels in the Port of Madras	785
Rules for the, of European and Eurasians serving in the Educational Department	321	Export Tariff, Madras Customs	492
Rules for the, of European and Eurasian Forest Officers of Government in the Vernaculars of Southern India	318		
Rules for the, of other Officers as well as persons not in the service of Government in the Vernaculars of Southern India	316		

F

"Faith, Hope and Charity," Masonic Lodge	1248
Factories Act, Indian	569
Faculty of Medicine and Engineering at the Medical College, Madras	1136
Faculty of Arts, Madras University	1092
Faculty of Engineering, Madras University	1094
Faculty of Law, Madras University	1093
Faculty of Medicine, Madras University	1094
Fares and Rates of Hackney Carriages	621
Favourite Club	1200

	Page		Page
Fees—		Foreign Parcel Post	398
Cemetery	1060	Foreign Postal Rates	395
High Court	746	Forest Department	257
Payable by Pleaders before Examination and Admission	741	Form of Application for Licences of Animals and Vehicles	608
Pilotage, Port of Madras	775	Forms of Address in Ceremonious Communications with persons of Title or Official position	654
Scale of, to Advocates, Attorneys, Vakils and Pleaders in the High and Subordinate Courts	742	Fort Surgeon, Madras	692
Scale of, to be taken by Attorneys in the Madras High Court	743	Fortuna Allgemeine Versicherungs Gesellschaft Insurance Company	850
Scale of, to Advocates, Attorneys and Pleaders in the Presidency Small Cause Court	742	Free Church Institutions and Madras Christian College	1162
Scale of, for Measuring and Surveying Vessels	790	Free Church of Scotland Mission	1033
Scale of Pilotage, at the Coast Ports, etc.	290	Free Church of Scotland Medical Mission	1034
Table of, to be taken by Attorneys	742	Freemasons' Lodges	1248
Table of, to be taken by the Clerk of the Crown	751	Freight, Stock, and Produce Brokers and Custom House and Forwarding Agents	909
Table of, to be taken by Interpreters	748	French Mail Steamships	871
Table of, for the Relief of Insolvent Debtors	754	French Settlements in India	1342
Table of, in the Madras Small Cause Court	742	Friend-in-Need Society, Madras	1192
Table of, to be taken by Assistant Registrar of the High Court	747	Fuer-Assecuranz Compagnie von, 1877	849
Table of, to be taken by Registrar of the High Court	746	Funds—	
Table of, to be taken by Registrar on the Ecclesiastical Side of the High Court	748	Bysani Mathava Chetty's Charity	1219
Table of, to be taken by the Registrar in Equity	748	Counsellor of Dufferin's Local	288
Table of, to be taken by the Sheriff	750	Native Christian Provident	1217
To be paid to Registrar of Joint-Stock Companies	542	The Madras Hindu Family Pension	1215
Under Section 78 of Indian Registration Act, 111 of 1877	537	Widows' and Orphans', Madras	1216
Fellows of the University, Madras	1090	Farlough and Leave Regulations for the Indian Staff Corps	671
Ferries and Canals in the Madras Presidency	624	Furniture Warehouses	909
Festivals—			
Movable Festivals for the 20th Century	13		
Native, Feasts and Observances	42		
Principal Hindu	37		
Principal Mahomedan	43		
Finance Department	289		
Fine Arts Society, Madras	1190		
Fixed and Movable Festivals	2		
Financial Department	289		
Fire Insurance Agents' Association	1224		
Foreign Money Order Commission	402		
Foreign Money Order Schedules	396		
Foreign Money Orders telegraphed to other Offices in Exchange	406		

G

Gackwar's Dabhol Railway	876
Gackwar's Mesham Railway	877
Gackwar's Petlad Railway	876
Gardening Calendar	73
Garrison Quartermaster, Madras	153
Garrison Quartermaster's Office, Madras	153
General Hospital for Men, Women and Children	637
General Rates of Agency and Commission, Madras Chamber of Commerce	854
General Merchants and Contractors	910
General Shopkeepers	910
Geographical Positions, Elevation, etc., of the Principal Stations in and near India	67
Girls' School, Madras	1169
Glasgow Underwriting Association	848
Glasgow Underwriting Insurance Company	848

	Page		Page
Godown Rent at the Custom House ...	506	Government—contd.	
Godra-Batham Nagda and Ujjain Railway ...	848	BOMBAY—contd.	
Gold Mining Agents ...	848	Council and Additional Members for making Laws and Regulations ...	94
Gold Mining Companies ...	848	Law Officers ...	96
Gordon Orphan Refuge ...	1179	Miscellaneous Departments ...	96
"Goodwill" Masonic Lodge ...	1248	Secretaries and Under-Secretaries ...	95
Government Consignment Agency, Port Department, Madras ...	771	BUENA:	
Government Consulting Architect's Office ...	158	Lieutenant-Governor ...	100
Government Copyright in Books, etc. ...	1114	Aides-de-Camp ...	105
Government Ecclesiastical Districts ...	982	Council for making Laws and Regulations ...	105
Government Examination Rules ...	327	Secretaries, Commissioners, etc. ...	105
Government General Hospital for Men, Women and Children ...	637	INDIA:	
Government Harness and Saddlery Workshop's Office ...	159	Viceroy and Governor-General of India ...	82
Government Hobart Training School ...	1176	Aides-de-Camp ...	82
Government Holidays ...	4	Secretaries to Government ...	89
Government House, Madras, Private Entree to ...	141	Viceregal Council for making Laws and Regulations ...	82
Government Lepet Hospital ...	650	MADRAS:	
Government Loans ...	844	His Excellency the Governor ...	92
Government Maternity Hospital ...	640	Aides-de-Camp ...	92
Government Medical Stores' Office ...	153	Council for making Laws and Regulations ...	99
Government Moyan Training School for Mistresses ...	1108	Secretaries to Government ...	87
Government Museum ...	1177	PUNJAB:	
Government Museum Office ...	153	Lieutenant-Governor ...	103
Government of India Telegraph Department ...	409	Aides-de-Camp ...	103
Government of India Telegraph Department Office ...	153	Council for making Laws and Regulations ...	103
Government Ophthalmic Hospital ...	638	Miscellaneous Appointments ...	104
Government, Private Entree List to, House ...	135	Secretaries to Government ...	104
Government Press ...	154	UNITED PROVINCES OF AGRA AND OUDH:	
Government Presidency Training School for Mistresses ...	1108	Lieutenant-Governor ...	101
Government Sanitary Engineers ...	286	Aides-de-Camp ...	101
Government School of Arts ...	1157	Council for making Laws and Regulations ...	102
Government Technical Examinations ...	348	Miscellaneous Appointments ...	103
Government Veterinary Hospital ...	652	Secretaries to Government ...	102
Government Workhouse and Penitentiary, Madras ...	1220	Governors and Governors-General of India ...	90
GOVERNMENTS—		Governors of Bombay ...	97
BENGAL:		Governors of Chief Colonies of Great Britain ...	83
Lieutenant-Governor ...	99	Governors of Fort Saint George ...	92
Aides-de-Camp ...	99	Gorinda Naicker's Middle School ...	1182
Council for making Laws and Regulations ...	99	Godown Rent at the Custom House, Madras ...	506
Political Residents, Chief Commissioners, etc. ...	100	Gradation List of Indian and Statutory Civil Servants ...	168
Secretaries to Government, Commissioners, etc. ...	99	Gradation List of the Engineer Establishment of the Department of the Public Works, attached to the Madras Presidency ...	269
BOMBAY:		Gradation List of the Survey Establishment in the Madras Presidency ...	208
His Excellency the Governor ...	94	Graded Educational Service—European, Indian and Provincial ...	1096
Aides-de-Camp ...	94		

	Page		Page
Great India Peninsula Railway ...	875	Hospitals in Madras—	
Gregorian Calendar or New Style ...	1	Government General, for Men, Women and Children, Park Town ...	637
Guardian Fire and Life Assurance Company ...	850	Government Lepet, Popham's Broadway, North end ...	650
H		Government Maternity, Pantheon Road, Egmore ...	640
H. H. The Maharajah of Vizianagaram's Girls' School ...	1185	Government Ophthalmic, Marshall's Road, Egmore ...	638
Hackney Carriage, Rates and Fares of ...	621	Government Veterinary, Saidapet ...	652
Hamburg-Bremen Fire Insurance Company ...	849	Isolation, Krishnampett ...	639
Haas Line of Steamships ...	848	Lunatic Asylum, Kilpauk ...	639
Harbour Trust, Madras ...	835	Native Infirmary, North Black Town ...	651
Harbour Works, Madras ...	884	Rajah Sir S. Ramaswamy Mudaliar's Maternity, Monegar Choultry Road, North Black Town ...	651
Hardware & Machinery Merchants ...	910	Royal Victoria, for Caste and Gosha Women, Pycroft's Road, Chapauk ...	652
Harness and Saddle Factory ...	159	Royapettah, Peter's Road, Royapettah ...	639
Harris High School ...	1171	Hotels, etc. ...	910
Head-Quarters Staff of the Army ...	108	Hourly Variations of the Barometer and Thermometer from Daily Means, etc. ...	66
Hermansburg Evangelical Lutheran Mission ...	1047	Hours of Business at the General Post Office and Town Sub-Post Offices in Madras ...	380
High Court, Allahabad, N.W.P. ...	102	Hours of Clearance of Pillar and Wall Letter Boxes in the Town and Suburbs of Madras ...	388
High Court of Judicature, Bombay ...	95	Hours of Delivery of Mails ...	386
High Court of Judicature, Calcutta ...	90	Hours of Local Postal Deliveries ...	385
High Court of Judicature, Madras ...	95	Huzur Sheristadars in the Madras Presidency ...	257
High Court of Madras, Office of ...	154	Hyderabad, Deccan (Coal Agency) ...	848
High Court Civil Rules of Practice ...	App. 29	Hyderabad Directory ...	1289
High Court Fees Rules ...	746	Hyderabad-Umerkot Railway ...	876
High Court Rules ...	746	Hyderi Dispensary ...	909
Hindu Cycle of Sixty Years ...	52	I	
Hindu Family Pension Fund ...	1191	Ice Manufacturers ...	910
Hindu Festivals, Principal ...	3	Imperial Fire Insurance Company, Ltd. ...	849
Hindu High School ...	1184	Imperial Life Insurance Company ...	849
Hindu Literary Union ...	1190	Inattention to directions of the Conservators of the Port of Madras ...	789
Hindu, Mahomedan, and Jewish Eras ...	2	Import Freights Association, Madras ...	855
Hindupur Extension Railway ...	875	Imports, Madras Customs ...	482
Hindu Theological High School ...	1186	Imports Tariff, Madras Customs ...	509
Hindu Union Middle School ...	9183	Impressed Stamps, Stamp Department ...	445
Hindu Upper Primary School ...	1184	Income Tables—	
His Majesty and the Secretary of State, Rules relating to Memorials to ...	657	for One day ...	932
His Majesty's Ministers ...	82	for Twenty-eight days ...	938
His Majesty's Penitentiary and Government Workhouse, Madras ...	756	for Twenty-nine days ...	934
His Majesty's Forces in Egypt ...	85		
Hobart Government School ...	1176		
Holidays, Government ...	4		
Holidays, Public, in India ...	4		
Holy Cross Church ...	977		
Holy Emmanuel Church ...	976		
Home for Destitute Children ...	1180		
Hongkong Fire Insurance Company, Ltd. ...	849		
Hospital Assistant Department, Medical College, Madras ...	1128		
Hospital Charges in the Government General Hospital for Civil Patients. Scale of ...	637		
Hospital stoppages in the Government Maternity Hospital ...	646		

	Page		Page
Income Tables— <i>continued</i>		Inland Postal Money Orders	401
for Thirty days	934	Inland Telegram Rules	412
for Thirty-one days	934	Inland Telegraph Money Orders	401
of Wages or Expenses	949	Insolvent Debtors' Court	751
Income Tax Department, Madras—		Insolvent Debtors' Court Office	154
Collector of	529	Isolation Hospital	639
Commissioner	529	Inspectors of Police	763
Commissioner's Office	529	Inspector of Schools, Central Circle	155
Ready Calculator for the pay-		Inspector of Schools, Office	155
ment of Income Tax	531	Inspector-General of Supply and	
Sources of Income and Rates		Transport	153
of Tax	530	Inspector-General of Police, Office	
Indemnity Mutual Marine Asso-		of	154
ciation (Marine only)	849	Inspector-General of Madras Police	759
Independent Order of Good Tem-		Inspector-General of Prisons	155
plars—List of Lodges in Madras		Inspector-General of Registration	532
working under the Grand		Inspector-General of Registration,	
Lodge of Madras and		Office of	154
Burma—		Inspectors of Salt Revenue	298
"Beacon Light" Juvenile		Inspectress of Schools, Office	155
Temple	1246	Inspectress and Sub-Inspectress	
"Crystal," Prayer Meeting		of Girls' Schools	155
Hall, Second Street, New		Instruction to Chairmen of value	
Town	1247	on Currency Notes	294
"Hope of Pallavaram," No. 29,		Instructions to Commanders of	
near Veterans' Barracks,		Vessels visiting the Port of	
Pallavaram	1247	Madras	779
"Pioneer," No. 2, Gospel Hall,		Instructions to Commanders of	
Popham's Broadway	1247	Vessels visiting the Coast Ports	785
"Tocsin," No. 8, North Bar-		Institutions affiliated to the	
racks, St. Thomas's Mount	1247	Madras University	1109
India—		Insurance and Assurance Agents—	
Government of	87	Arbutnot & Co.	848
Government of, Telegraph De-		Best & Co.	849
partment	409	Bisby & Co.	849
Indian—		Carl Simon Soehne	849
Condiment Manufacturers	910	Commercial Bank of India, Ltd.	849
Executive, Madras Railway	894	Dynes & Co.	849
Executive, Pondicherry Railway	901	Gordon, Woodroffe & Co.	849
Executive, South Indian Rail-		Hajee Mohamed Badsha Saib	
way	900	& Co.	850
Executive, Southern Mahratta		Leighton & Co.	850
Railway	902	McDowell & Co., Ltd.	850
Factories Act, 1891	569	Onkes & Co., Ltd.	850
Guarantee and Securityship		Perry & Co.	850
Association	850	Ronaldson & Ronaldson	850
Medical Service	693	South Indian Export Co., Ltd.	850
Medical Subordinate Depart-		T. A. Taylor & Co.	850
ment, Madras	700	Walker & Co.	850
Military Staff	107	Wilson & Co.	850
Nursing Service	673	Interest Table for One month	928
Pension Rules of 1881	673	Interest Table for One year	930
Railways	874	International Lloyd Insurance	
Railway Act	887	Company	848
Registration Act, 1877	536	I. O. G. T. Lodges	1247
Subordinate Medical Staff De-			
partment	700		
Veterinary Department	150		
Indo-Ceylon Telegraphic Money			
Orders	405	Jail Department—	
Industrial Home for Girls	1180	Central Jails	762
Indus Valley Railway	873	District Jails	762
Inland Post—Meaning of	391	Inspector-General of Prisons	762
Inland Postage Rates	390	Superintendents and Medical	
		Officers	762

J

	Page		Page
Jewellers, Gold and Silversmiths	911	Judicial Courts— <i>continued</i>	
Jewish, Hindu and Mahomedan		Subordinate Judges	708
Etas	2	Table of fees to be taken by	
"John Miller" Masonic Lodge	1248	the Accountant-General	747
Joint Stock Companies—		Table of fees to be taken by	
Abstract of Joint Stock Com-		the Assistant Registrar	747
panies	545	Table of fees to be taken by the	
Documents to be forwarded to		Registrar in Equity	748
the Registrar of	541	Table of fees to be taken by the	
List of, registered during the		Registrar on the Eccle-	
year 1901-1902	545	siastical Side of High Court	748
List of, that have increased		Table of fees to be taken by	
their Capital during 1901,		Attorneys and Proctors	748
1902	550	Table of fees to be taken by	
List of, limited by Guarantee at		Clerk of the Crown	751
work on 31st March, 1902, in		Table of fees to be taken by	
the Presidency of Madras	568	Interpreters	745
Registration of	540	Table of fees to be taken by the	
Regulations passed by Govern-		Registrar of High Court	746
ment for conduct of duties		Table of fees to be taken by	
by Registrar of	544	Taxing Officer	755
Summary of Act XXII of 1860,		Table of fees for the Relief of	
an Act for the Registration		Insolvent Debtors	754
of Literary, Scientific and		Table of fees in the Madras	
Charitable Societies	544	Small Cause Court	757
Table of Fees to be paid to the		Table of fees to be taken by	
Registrar of	542	the Sheriff	750
Judge Advocate-General's Depart-		Justices of the Peace, Madras	760
ment	671		
Judge Advocate-General's Depart-			
ment, Madras Command	155		
Judge Advocate-General's Office	155		
Judicial Courts—			
Chief Court, Lower Burma	106		
Chief Court, Panjab	104		
City and Civil Court, Madras	756		
Court-fee and Stamps	465		
Deputy Tahsildars and Sta-			
tionary Sub-Magistrates in			
the Madras Presidency	245		
District Munsiffs	689		
District and Sessions Judges	706		
High Court, Allahabad, N.W. P.	102		
High Court of Judicature,			
Bombay	90		
High Court of Judicature, Cal-			
cutta	90		
High Court of Judicature,			
Madras	95		
Huzur Sheristadars in the			
Madras Presidency	237		
Insolvent Debtors' Court	751		
Justices of the Peace	755		
Magisterial Department	704		
Presidency Magistrates'			
Courts, Madras	764		
Regulations of Presidency			
Magistrates' Courts, Madras	764		
Rules of the High Court,			
Madras	746		
Small Cause Court, Bombay	96		
Small Cause Court, Burma	106		
Small Cause Court, Calcutta	90		
Small Cause Court, Madras	755		

K

Kanan Devan Hills	1361
Kennet Library	1213
"Kerala" Masonic Lodge	1248
King-Emperor Edward Shelter	
for Animals	1235
Kirk Session, Church of Scotland	1031
Kolar Gold Fields Railway	898
Kolhapur State Railway	874
Kotri-Kohri Railway	879
Krishnaswami Nadaliar Library	1212
Krishna Viratam Ceremonies	3
Kumbakonam College	1108

L

La Fonciere Compagnie de Assur-	
ance Company	848
"La Suisse" Marine Insurance	
Company, Zurich	849
Ladies' Embroidery and Fancy	
Needlework Depôts	911
Lal Begg	1276
Lancashire Insurance Company	850
Landholders' Association, Madras	1224
Land Records and Agriculture and	
Separate Revenue	265
Land Revenue Collections	595
Land Revenue Office	150
Landing and Shipment of Kerosine	
Oil in the Port of Madras	785
Landing and Shipment of Goods	773
Landing and Shipping Agents	911

	Page		Page
Language Rewards	805	Libraries and Reading Rooms—	
Law College, Madras	1158	Connemara	153
Lawrence Asylums	1326	Kannet	1213
Lay Trustees and Churchwardens,		Krishnaswami Madaliar	1212
Madras Diocese	986	Madras Circulating	1213
Leave and Furlough Regulations...	671	Mahammadan Public	1213
Leave Rules for Indian Medical		Mylapore Athenaeum	1210
Service	673	New Town Church of England	
Legal—		Institute	1212
Amended Rules for the Quali-		Progressive Union Free	1211
fication and Admission of		Ripon and Nungambakam Read-	
Persons as Advocates,		ing Room	1211
Attorneys and Vakils of the		The Royapettah, and Reading	
High Court of Madras	735	Room	1210
Admission of Pleaders	746	Tiruvetteswaren Pettah Read-	
Attorneys-at-Law Practising in		ing Room	1211
Madras	743	License, Marriage	988
Certificates for Pleaders	741	Licensed Dealers in Arms, Ammu-	
Examination for Pleaders	740	nition, etc.	911
Fees payable by Pleaders before		Lieutenant-General Commanding,	
Examination and Admission.	741	Forces, Madras	156
List of Advocates Practising in		Lieutenant-General Commanding	
Madras	714	the Forces, Office of	156
List of Advocates of the Chief		Light House Division	279
Court, Mysore	1264	Light House, Madras	825
List of Deputy Tahsildars and		Lighting Municipal Tax	607
Stationary Sub-Magistrates...	251	List of Advocates practising in	
List of First and Second Grade		Madras	714
Pleaders, Mysore	1265	List of Advocates of the Chief	
List of Pleaders Practising in		Court, Mysore	1264
Mofussil Courts	721	List of Assistant Surgeons in the	
List of Vakils Practising in		Service of Government through-	
Madras	714	out the Madras Presidency	705
Penalties for Pleaders	742	List of Attorneys-at-Law practis-	
Permanent Commissioners for		ing in Madras	713
taking acknowledgments by		List of Chaplains, Church of Eng-	
Married Women in England		land	953
of Deeds relating to Property		List of Chaplains, Church of	
in India	720	Scotland	971
Public Notaries in Madras	733	List of Clergymen belonging to the	
Qualification of Pleaders	739	Church Missionary Society in	
Refund of fees to Pleaders	741	Madras	997
Registrars and Sub-Registrars		List of Clergymen receiving allow-	
appointed as Notaries	733	ances from Government	990
Revision of Procedure in Dis-		List of Colonial Treasurers, Dis-	
trict Courts	741	trict Paymasters and Imperial	
Rules for Pleaders	738	Agents in the Chief Colonies of	
Scale of fees to Advocates,		Great Britain	85
Attorneys, Vakils and Plea-		List of Consecrated Churches in	
ders in the High and Subor-		the Diocese of Madras	974
dinate Courts	742	List of Deputy Tahsildars and	
Scale of fees to Advocates,		Stationary Sub-Magistrates	251
Attorneys and Pleaders in the		List of Engineers, Madras Railway.	890
Presidency Small Cause		List of Fares of Hackney Car-	
Court	742	riages	622
Leipzig Evangelical Lutheran		List of First and Second Grade	
Mission	1047	Pleaders, Mysore	1265
Leipzig Evangelical Lutheran Mis-		List of Foreign Countries to be	
sion Anglo-Vernacular School.	1176	adopted in the Returns of Trade	
Leper Hospital	630	List of Good Templar Lodges	
Levy of Rates, etc., for Overtime		working under the Grand Lodge	
Work in Port of Madras	816	of Madras and Burma	1247
Liability of Instruments to		List of Houses in Cochin and	
Stamp-duty	429	to let, and of Houses in Cochin	1323

	Page		Page
List of Joint-Stock Companies		List of Text-books for the Hospital	
at work on 31st March 1902 ...	545	Assistant Department, Medical	
List of Joint-Stock Companies that		College, Madras	1131
have increased their Capital		List of Town Sub-Post Offices ...	380
during 1901-1902	550	List of Vaccine Depôts in the	
List of Joint-Stock Companies		Town of Madras	633
Limited by Guarantee as work		List of Vakils practising in Madras	714
on 31st March, 1902	568g	Lithographers	911
List of Light Houses and Lights		Liverpool Underwriter's Insur-	
on the East Coast of the Madras		ance Company	848
Presidency	828	Livery Stablekeepers	911
List of Lights and Light Houses		Lloyd's Insurance Company	848
on the West Coast of the		Lloyd's Underwriter's Insurance	
Madras Presidency	826	Company	848
List of Masonic Lodges working		Loans, Government	844
under the District Grand Lodge		Local Depôts for the sale of	
of Madras	1248	Stamps	455
List of Members, Chamber of		Local Fund Assistant Engineers...	288
Commerce, Madras	851	Local Fund Engineers	287
List of Missionaries of the Church		Lodd Govindas Anglo-Guzarati	
of England Zenana Society in		School	1185
the Madras Presidency	1001	Lodd Govindas Blind School	1185
List of Midwives practising in		Lodd Govindas Girls' School	1185
Madras	642	Lodd Govindas Rest-Houses	1232
List of Midwives practising in		Lodd Govindas Vedic School	1185
Mofussil	645	London Fire and Life Corporation.	849
List of Municipal Divisions	603	London and Lancashire Fire	
List of Municipal Officers	603	Insurance Company	850
List of Mussulmen in the Madras		London and Lancashire Life	
Presidency on whom the Titles		Assurance Company	850
of "Khan Bahadar" and "Khan		London and Provincial Marine	
Sahib" have been conferred by		Insurance Company, Ltd.	848
the British Government	133	London Mission (Congregational)	
List of Mussulmen holding per-		Church	979
sonal Titles of honour by grant		London Mission Tamil Chapel	979
from the Titular Nawabs of the		London Missionary Society	1037
Canatic	135	London Salvage Association	848
List of Notaries Public in Madras.	733	Lost entire Currency Notes	293
List of Officers, P. W. D., lent to		Lucknow-Bareilly-Sitapur Rail-	
Foreign Service	276	way	880
List of Officers, P. W. D., Railway		Ludhiana-Dhuri-Jakkhal Railway..	878
Branch	275	Lunatic Asylum, Madras	639
List of Officers of South Indian			
Railway	900		
List of Persons Licensed under			
Christian Marriage Act	1002		
List of Pillar and Wall Letter-			
Boxes in the Town of Madras			
and Suburbs, with their Hours			
of Clearance	388		
List of Pleaders practising in			
Mofussil Courts	721		
List of Registered Joint Stock			
Companies	562		
List of Residents in Madras	1374		
List of S. P. G. Clergy in the			
Diocese of Madras	995		
List of S. P. G. Clergy in the			
Tinnevely and Madras Bishop-			
ric	995		
List of Subscribers to the Oriental			
Telephone Company	860		
List of Surrogates for granting			
Marriage Licences	988		

II.

Madras—	
Agri-Horticultural Society	1191
Aryan Association	1223
Athletic Association	1227
Auxiliary Bible Society	1038
Branch of the National Con-	
ference of India	1239
Chamber of Commerce	851
Christian College	1162
Church of Scotland Mission	1163
Circulating Library	1213
City Police	762
City and Civil Court	756
Civil Orphan Asylums	1177
Club	1198
Collegiate School for Girls and	
Infants	1189
Commercial Holidays, 1903	5
Crickets Club	1199

	Page		Page
Madras—continued.		Madras—concl.	
Custom House	482	Native Christian Association	1049
Cyclists Club	1199	Observatory	157
Cyclone Code	819	Observatory Office	157
Description of the City of		Permanent Saving and Bene-	
and neighbouring places of		fit Society	1220
resort	598	Pilot Service	771
Diocesan Council	990	Pilotage Fees	775
Distances by Road from City		Port Conservators	771
of	599	Portland Cement, Brick and	
Distribution of the Forces in		Tile Works, etc.	862
the Madras Command	674	Railway	894
Dramatic Society	1191	Railway, Board of Directors of	894
Electric Tramways	872	Religious Tract and Book So-	
Equitable Life Assurance Com-		ciety	1041
pany	849	Salt Licensees' Association	1228
Fire Arts Society	1190	School-Book and Literature So-	
Fire Insurance Agents' Asso-		ciety	1116
ciation	1224	School of Music	1186
Friend-in-Need Society	1193	Shortland Writers' Associa-	
General Hospital	637	tion	1229
Girls' School	1169	S. P. G. Woman's Mission Asso-	
Government of	92	ciation	1188
Government Holidays	4	Stable Co., Ltd.	862
Government Museum	1201	Students' Hostels	1239
Government Ophthalmic Hos-		Survey Office	157
pital	685	Tamil Mission	1049
Government School of Arts	1151	Teachers' Guild	1243
Gymkhana Club	1199	Temperance League	1242
Harbour Trust Board	835	Text Book Committee	1117
Harbour Trust Office	166	Tevanampet Native Christian	
Harbour Works	834	Temperance Association	1231
Harbour Works Office	136	Topographical description of	
High Court Civil Rules of Prac-		the Presidency	146
tice	App. 29	Trade List	903
High Court of Judicature	95	Trades' Association	903
Hindu Family Pension Fund	1215	United Spinning and Weaving	
Holidays allowed in Govern-		Company, Ltd.	861
ment Offices	4	University	1090
House Conservancy	1239	Vanniyakula Kshatria Maha-	
Import Freights' Association	555	sangam	1239
Income Tax Department	529	Victoria Public Hall	1207
Industrial School	1180	Widows and Orphan's Fund	1216
Landholders' Association	1224	Young Men's Christian As-	
Leper Hospital	650	sociation	1225
Lunatic Asylum	639	Young Men's Hindu Associa-	
Magdalene Asylum	1214	tion	1227
Marriage Association	1225	Young Men's Hindu Union	1227
Maternity Hospital	610	Magdalene Asylum, Madras	1214
Medical College	1118	Magdeburg Fire Insurance Com-	
Medical College Endowments	1142	pany	849
Musical Association	1230	Magisterial Department	764
Memorial Hall	1204	Mangalore Directory	1118
Meteorological Department Office	157	Manchester Fire Assurance Com-	
Military Accounts Office, Madras		pany	849
Command	157	Manheim Insurance Company	849
Military Female Orphan Asy-		Manufacturers of Printing Mate-	
lum	1178	rials	913
Missionary Conference	1245	Mari-Altock Railway	879
Muhammadian Association	1249	Marine Department	771
Municipal Commissioners' Office	156	Marine and Public Works Secre-	
Municipal Divisions	693	tariat Office	161
Municipal Vaccine Department	633	Marine Police	764
Municipality	692	Marine Insurance of M. Gladstone	849

	Page		Page
Maritime Insurance Company,		Masonic Lodges—concl.	
Ltd.	848	"United Service," No. 2735,	
Marriage Association, Madras	1235	Bangalore, meets 2nd Friday	
Marriage Registrars	1056	in the month	1248
Masonic Lodges—		"Universal Charity," No. 273,	
"Anchor of the Hope," No.		E. C., meets 3rd Friday in the	
1093, Wellington, meets 3rd		month	1248
Saturday in the month	1248	"Waltair," No. 2592, Vizagap-	
"Bangalore," No. 1043, Banga-		patam, meets last Friday in	
lore, meets 2nd Tuesday in		the month	1248
the month	1248	Maternity Government Hospi-	
"Carnatic," No. 2031, E. C.,		tal	640
meets 3rd Saturday in the		"Mayo" Masonic Lodge	1248
month	1248	Mean Barometric Pressure, Tem-	
"Coorg," No. 2576, Mercara,		perature, Direction of the Wind,	
meets Thursday nearest the		and Rainfall at Madras	65
15th of the month	1248	Mean Daily Registers	72
"Deccan," No. 1444, Chudderg-		Medical College	1118
ghat, meets 1st Friday in		Medical Districts at the Presi-	
the month	1248	dency	689
"Faith, Hope and Charity,"		Medical Practitioners, Private	913
No. 1285, Ootacamund, meets		Medical Storekeeper to Govern-	
Tuesday before full moon	1248	ment, Madras Command	692
"Goodwill," No. 465, Bellary,		Medical Department—	
meets 3rd Saturday in the		Changes in the position and	
month	1248	designation of the members	
"John Miller," No. 1906, E. C.,		of the Apothecary Branch	
Madras, meets 3rd Wednesday		of the Subordinate Medical	
in the month	1248	Department	704
"Kerala," No. 2168, Calicut,		Deputy Inspector of Vacci-	
meets 1st Thursday in the		nation	635
month	1248	Districts at the Presidency	689
"Mayo," No. 1506, Secunda-		Examination of Commissioned	
bad, meets 3rd Wednesday		Officers posted to Civil	
in the month	1248	Charges in the Vernaculars	
"Minchin," No. 2710, Tre-		of Southern India	317
vandrum, meets 1st Satur-		Fort Surgeon	692
day in the month	1248	Free Church of Scotland Medical	
"Mount," No. 926, St. Thomas'		Mission	1084
Mount, meets 2nd Saturday		Indian Medical Service	693
in the month	1248	Indian Nursing Service	673
"Mysore," No. 1841, Mysore,		Indian Subordinate Medical	
meets 3rd Saturday in the		Department, Madras	700
month	1248	Leave Rules for the Indian	
"Pandyan," No. 2355, Madras,		Medical Service	673
Meets 1st day of the month	1248	List of Assistant-Surgeons in	
"Perfect Unanimity," No. 150,		the Service of Government	
E. C., meets 1st Monday		throughout the Madras Pre-	
in the month	1248	sidency	705
"Pitt-MacDonald," No. 1198,		List of Midwives practising in	
E. C., Madras, meets 2nd		Madras	642
Tuesday in the month	1248	List of Midwives practising in	
"Rock," No. 260, Trichinopoly,		the Mofussil	645
meets last Tuesday in the		Pay and Allowances of the Sub-	
month	1248	ordinate Medical Establish-	
"Southern Cross," No. 2398,		ment, Madras Command	682
Palamcottah, meets last		Personal Assistant to the Prin-	
Saturday in the month	1248	cipal Medical Officer, Madras	
"St. George," No. 2532, Madras,		Command	692
meets 4th Friday in the		Personal Assistant to the	
month	1248	Surgeon-General	692
"St. John," No. 343, Secun-		Port Surgeons	772
dernbad, meets last Wed-		Principal Medical Officer, Madras	
nesday in the month	1248	Command	692

	Page		Page
Medical Department— <i>concl'd.</i>		Mercantile Agencies— <i>concl'd.</i>	
Principal Medical Officers of Districts ...	692	Best & Co.— <i>concl'd.</i>	
Royal Army Medical Corps ...	690	British Aluminium Co. ...	848
Rules for Pension for Indian Medical Service ...	673	Burrakur Coal Co., Ltd. ...	848
Sanitary Commissioner to the Government of Madras ...	692	Champion Reefs Gold Mining Co. of India, Ltd. ...	848
Sanitary Engineer ...	161	Gold Fields of Mysore ...	848
Staff at the Presidency ...	693	Hyderabad Deccan Co. ...	848
Staff of Madras Railway ...	848	Mysore West, Wynad Co., Ltd. ...	848
Standing Committee ...	692	New Kempinkote Gold Field, Ltd. ...	848
Storekeeper to Government ...	692	Nine Reefs Co., Ltd. ...	848
Surgeon-General with the Government of Madras ...	692	Nobel's Explosives Co., Ltd. ...	848
Medical College, Madras:		Nandhydroog Co., Ltd. ...	848
Apothecary Department ...	1126	Ooregum Gold Mining Co., of India, Ltd. ...	848
Assistant Professors' Staff ...	1121	Oriental Gold Mining Co. of India, Ltd. ...	848
Casual Students ...	1131	Oriental Salt Co., Ltd. ...	848
Chemists' and Druggists' Department ...	1130	Road Block Gold Mining Co. of India, Ltd. ...	848
College Council ...	1119	Shell Transport and Trading Co., Ltd. ...	848
Dufferin Fund Scholarship and Prizes ...	1127	Binny & Co.:	
Faculties of Medicine and Civil Engineering ...	1136	Austrian Lloyd's Steam Navigation Co., Ltd. ...	848
History of the College ...	1118	British India Steam Navigation Co., Ltd. ...	848
Hospital Assistant Department ...	1128	Messrs. Grindlay & Co. ...	848
List of Endowments ...	1131	Secretaries and Treasurers for the Bangalore Woollen Cotton and Silk Mills Co., Ltd. ...	848
List of Text-books for Hospital Assistant Department ...	1131	The East-Indian Coal Co., Ltd. ...	848
Professors' Staff ...	1120	The Gourepore Oil Co. ...	848
Revised List of Text-books ...	1131	The Imperial Paper Mills ...	848
Rules for Female Students ...	1126	Carl Simon Soehne:	
Rules and Regulations ...	1121	North German Lloyd Steamship Co., Bremen ...	848
Rules for Medical Scholarships for Women of Cochin ...	1137	Gordon, Woodroffe & Co.:	
Rules for Medical Scholarships for Women of Travancore ...	1136	Cian Line of Steamers ...	848
Sanitary Inspectors' Department ...	1130	Hansa Line of Steamers ...	848
The College Department ...	1123	Leighton & Co.:	
The College Medals, Prizes and Scholarships ...	1131	"Sibby" Line ...	848
University Medals, Prizes and Scholarships ...	1139	Leighton's Parcel Express ...	848
Mercantile Agencies—		Orient Pacific Line ...	848
Arbutnot & Co.:		Oakes & Co., Ltd.:	
Alliance Marine and General Assurance Co., Ltd. ...	848	George Wheatley & Co. ...	848
British and Foreign Marine Insurance Co., Ltd. ...	848	Sutton & Co. ...	848
Canton Insurance Office, Ltd. ...	848	Massey & Co., Ltd.:	
China Traders' Insurance Co., Ltd. ...	848	Dormar, Long & Co. ...	848
Commercial Union Assurance Co., Ltd. ...	848	Ruston, Proctor & Co. ...	848
Best & Co.:		The Gandy Belt Co., Ltd. ...	848
American and Indian S. S. Line ...	848	T. & W. Smith ...	848
Anchor Line ...	848	Parry & Co.:	
Anglo-French Textile Co., Ltd. ...	848	Aermotor Co. of Chicago ...	
		British India Steam Navigation Co., Ltd., Cuddalore and Trivandrum ...	848
		Dick's Patent Balata Belting ...	848
		Ewing's Patent Single-Rail Tramway Jadoo Co., Ltd. ...	848
		Natal Emigration ...	848

	Page		Page
Managing Agents—		Military Department— <i>concl'd.</i>	
Cheramabadi Tea Co., Ltd. ...	848	Deputy Adjutants-General, Madras Command ...	112
Deccan Sugar and Abkari Co., Ltd. ...	848	Deputy Director-General for Transport, Madras ...	158
East India Distilleries and Sugar Factories, Ltd. ...	848	Distribution of Forces in Madras Command ...	674
Madras Timber Co., Ltd. ...	848	Examination Test in the Vernaculars of Military Officers ...	324
Mofussil Warehouse and Trading Co., Ltd. ...	848	Fort Surgeon ...	692
Pootoomulla Tea Co., Ltd. ...	848	Farlough and Leave Regulations for the Indian Staff Corps ...	671
Wilson & Co.:		Garrison Quartermaster ...	153
Asiatic Steam Navigation Co., Ltd. ...	848	H. M.'s Forces in Egypt ...	85
Cleghorn's Patent Weevil Stifer ...	848	Head-Quarters Staff of the Army ...	108
Glasgow Underwriting Association ...	848	Indian Medical Service ...	692
Glasgow Underwriting Insurance Co. ...	848	Indian Nursing Service ...	673
International Lloyd Liverpool Underwriters ...	848	Indian Military Staff ...	107
Lloyds' Underwriters ...	848	Judge Advocate-General's Department ...	671
London Salvage Association ...	848	Judge Advocate-General's Department, Madras Army ...	109
Mysore Concession Co., Ltd. ...	848	Leave Rules for the Indian Medical Service ...	673
National Board of Marine Underwriters ...	848	Lieutenant-General Commanding, Madras ...	112
The Universal Underwriting Association ...	848	Madras District Staff ...	110
Underwriting Association (Marine) ...	848	Military Accounts Department, Madras Command ...	109
Union Internationale ...	848	Military Works Department ...	158
Memorial Hall, Madras ...	1204	Ordnance Department ...	670
Memorials to His Majesty and the Secretary of State—		Pension Rules of 1881 for Indian Staff Corps Officers and Indian Forces ...	673
Rules relating to ...	857	Pensions to Soldiers' Widows and Children ...	673
Mercantile Bank of India, Ltd. ...	841	Personal Assistant to the Principal Medical Officer, Madras Command ...	692
Merchants Insurance Company, Ltd. ...	850	Principal Medical Officer, Madras Command ...	692
Meteorological meaning of the Commercial Code Flag ...	796	Quartermasters-General, Madras Army (from 1790) ...	113
Methodist Episcopal Church, Royapuram ...	980	Regimental Pay and Allowances ...	679
Methodist Episcopal Church, Vepery ...	980	Regulations for the Commutation of Pensions of Officers of the Indian Service ...	675
Methodist Episcopal Mission ...	1046	Revised Regulations for Admission of Officers to the Staff Corps ...	665
Military Department—		Rewards to Officers for passing in the Vernacular Languages ...	324
Accounts Department ...	669	Royal Army Medical Corps ...	690
Adjutant-General's Department ...	671	Rules for the Admission of Officers to the Supply and Transport Corps ...	667
Adjutants-General, Madras Army (from 1786) ...	112	Scale of Salaries in the Adjutant-General's Department ...	671
Army Clothing Department ...	149	Staff of the Bengal Command ...	114
Army Educational Department ...	681	Staff of the Bombay Command ...	113
Army Veterinary Department ...	704		
Assistant Adjutant-General, Madras District ...	156		
Attachés to Embassies and Legations at Foreign Courts ...	85		
Changes in the Administration and Organisation of the Army in India ...	684		
Chief Supply and Transport Officer ...	158		
Commander-in-Chief in India ...	107		
Commanders-in-Chief, Madras Army (from 1785) ...	110		
Departmental Staff, Madras Command ...	112		

	Page		Page
Observatory, the Madras— <i>concl'd.</i>		Orders— <i>concl'd.</i>	
Geographical Positions, Elevations, etc., of the Principal Stations in and near India ...	67	First Class or Knights Grand Commanders ...	122
Hourly Variations of the Barometer and Thermometer from Daily Mean, etc. ...	66	Grand Master ...	122
Mean Barometric Pressure, Temperature, Direction of Wind, and Rainfall at Madras ...	65	Honorary Companions ...	122
Mean Daily Rainfall Register ...	72	Honorary Knights Commanders ...	122
Monthly Rainfall Register, etc. ...	69	Officers of the Order ...	122
Moon's Right Ascension and Declination for each day of the month for 1903 ...	56	Second Class or Knights Commanders ...	123
Rainfall Register for 85 years ...	68	Sovereign ...	122
Rainfall Register, Monthly fall and number of rainy days ...	63	Third Class or Companions ...	125
Right Ascension and Declination of the Sun and Planets at Madras for 1903 ...	57	Most Exalted Order of the Star of India—	
Rising and Setting of the Five Principal Planets at Madras for 1903 ...	53	Extra Knights Grand Commanders ...	116
Satellites of Neptune at Madras, etc. ...	59	First Class or Knights Grand Commanders ...	116
Satellites of Uranus at Madras, etc. ...	60	Grand Master ...	115
Saturn's Satellites at Madras, etc. ...	57	Honorary Knights Grand Commanders ...	116
Table showing the Equation of Time at apparent Noon at Madras for 1903 ...	55	Officers of the Order ...	116
Table showing the Mean Time of the Sun's Culmination at Madras for 1903 ...	54	Second Class or Knights Commanders ...	117
The Sun's Declination for 1903, Apparent Noon at Greenwich ...	61	Sovereign ...	115
Ocean Marine Insurance Company ...	850	Third Class or Companions ...	119
Ocean Steamship Company ...	848	Orders for Baggage Superintendent as to the Baggage of Passengers by Steamer ...	483
Officers employed in the Madras Police ...	758	Ordnance Department ...	670
Officers of Madras Municipality ...	603	Ordnance Department (Arsenal), Office of ...	158
Officers of the City Police ...	788	Ordnance Department (Gun Carriage Factory), Office of ...	159
Official Assignee's ...	154	Orient and Pacific Steamship Line ...	848
Official Trustee's Office ...	154	Oriental Benefit and Deposit Society ...	1217
Official Order of Precedence in Madras ...	139	Oriental Gold Mining Company of India, Ltd. ...	848
One-anna Impressed Stamps under Act of 1879 ...	448	Oriental Names of the Months ...	10
Oregeum Gold Mining Company of India, Ltd. ...	843	Oriental Names of the Week-days ...	10
Octacumund Nilgiris ...	1323	Oriental Telephones and Electric Co., Ltd. ...	859
Ophthalmic Government Hospital, Opicians ...	912	Oriental Salt Company, Ltd. ...	848
Order of Precedence (official) in Madras ...	139	Orde and Rohilkand Railway ...	880
Orders—			
Most Eminent Order of the Indian Empire—			
Extra Knights Grand Commanders ...	122		

P

Pachaiyappa's College ...	1181
Pachaiyappa Madikumar's Charities ...	1181
Pachaiyappa High School Chidambaram ...	1181
Pachaiyappa High School, Conjevaram ...	1182
Pachaiyappa Primary School Chidambaram ...	1182
Paint Merchants ...	912
Palanpur-Bessa Railway ...	877
Palatine Fire Insurance Company, Ltd. ...	849
"Pandyan" Masonic Lodge ...	1243

	Page		Page
Paper Currency Department—		Personal Staff of the Lieut.-Governor of the United Provinces and Oudh ...	101
Claims on Half or Mutilated Currency Notes ...	292	Personal Staff of the Lieut.-Governor of Punjab ...	103
Entire Notes Lost ...	292	Peshawar-Jamrud Railway ...	879
Instructions to Claimants of value on Currency Notes ...	292	Petitions to the House of Lords and House of Commons ...	653
Nature of Arrangements ...	292	Petroleum Rules for the Port of Madras ...	784
Paper Warehousemen and Printers Agents ...	913	Phases of the Moon ...	18
Parcel Post, Foreign ...	398	Phenomena (Calendar) ...	18
Passengers' Baggage ...	483	Phoenix Assurance Company ...	849
Parks—		Pilot Service, Madras ...	771
Napier ...	1203	Pilotage Fees ...	775
People's ...	1202	Pith Hat Makers ...	913
Robinson ...	1204	"Pitt-Macdonald" Masonic Lodge ...	1248
Passage Rules for the Port of Madras ...	817	Place of Registration, Stamp Department ...	535
Passage Rules for the Madras Presidency ...	317	Planetary Phenomena for 1903 ...	5
Pay and Allowances of the Subordinate Medical Establishment ...	682	Police Department—	
Paymaster of Carnatic Stipends ...	159	Assistant Commissioner ...	762
Payment for occupation of Municipal Lands ...	607	Assistant Inspector-General ...	758
Penalties for Pleaders ...	742	Assistant Superintendents ...	758
Peninsular and Oriental Steam Navigation Co.—	862	City Police ...	762
Rates of Passage Money ...	683	Commissioner ...	151
Pension—		Deputy Commissioner ...	762
Madras Hindu Family, Fund ...	1191	District and Divisional Inspectors ...	763
Regulations for Commutation of Rules for Indian Medical Service ...	673	European and Native Sub-Inspectors ...	763
Rules for Indian Staff Corps Officers and Indian Forces ...	673	Examination of the Superior Grades of Police Officers, in the Vernaculars and Law ...	312
To Soldiers' Widows and Children ...	673	Inspector-General ...	758
"Perfect Unanimity" Masonic Lodge ...	1248	Marine Police ...	764
People's Park, Madras ...	1202	Officers employed in Madras ...	788
Permanent Commissioners for taking acknowledgments by Married Women in England of Deeds relating to Property in India ...	720	Officers of the City Police ...	762
Permanent Residents on the Shevaroy Hills ...	1152	Recruitment of the Superior Grades of the Police ...	370
Personal Assistant to the Principal Medical Officer, Madras Command ...	692	Superintendents ...	758
Personal Assistant to the Surgeon-General with the Government of Madras ...	692	Political Residents, Chief Commissioners, etc., Bengal ...	100
Personal Staff of the Governor-General ...	88	Population of each District in the Madras Presidency, 1891-1901 ...	592
Personal Staff of the Governor of Bombay ...	94	Population of each Municipality in the Madras Presidency according to the Census of 1901-1891 ...	595
Personal Staff of the Governor of Madras ...	92	Population of each Taluk in a District according to the Census of 1901-1891 ...	592
Personal Staff of the Lieut.-Governors of Bengal ...	90	Pondicherry and Karrikal Directory ...	901
Personal Staff of the Lieut.-Governor of Burma ...	105	Pondicherry Railway, Board of Directors of ...	901
		Ponambala Pillai's Sanskrit School, Chidambaram ...	1182
		Port Conservators, Madras ...	771
		Port Department, Madras—	
		Appointment of Registering Boat Officers and the Boat Rules ...	803
		Bad Weather Arrangements ...	786

	Page		Page
Port Department, Madras— <i>contd.</i>		Port Department, Madras— <i>contd.</i>	
Boat and Casuarina Hire for the Madras Coast Ports	806	Ports for the Shipment and Landing of Goods	778
Boat Rules for all the Coast Ports of the Madras Presidency	804	Ports for carrying on of Coasting Trade with Customs Ports only	773
Boat Rules for the Port of Madras	799	Ports of the Madras Presidency	819
Coast Ports Officers and Conservators	771	Presidency Port Office	771
Compendium of the Law of Storms	823	Regulations respecting Lights	786
Customs' Collectors at Madras Out-Ports	772	Report of Casualties to Shipping	785
Cyclone Code	819	Scale of Fees for Measuring and Surveying Vessels	790
Day Signals	823	Scale of Pilotage Fees at the Ports of Cochin, Pariban, Pariban Channels and Keelakary Channel	790
Discharging Guns in Port	787	Special notice to Commanders of Vessels visiting the Port of Madras	794
Discharging or taking in Gunpowder or other Explosives	787	Wreck Arrangements	821
Extinguishing of Fires	785	Portland Cement, Brick and Tile Works, Madras	862
Government Consignments' Agency	771	Port Rules for all the Coast Ports	797
Inattention to directions of the Conservators	786	Port Rules of the Port of Madras	791
Instructions to Commanders of Vessels visiting the Port of Madras	779	Port Signals	789
Instructions to Commanders of Vessels visiting the Coast Ports	786	Port Surgeons	772
Landing and Shipment of Kerosine Oil	785	Port Trust Railway, Calcutta	881
Levy of Rates, etc., for Over-time Work	816	Ports for the Shipment and Landing of Goods	773
Light House	825	Ports for Carrying on of Coasting Trade with Customs Ports only	773
Light House Division	279	Ports of the Madras Presidency	819
List of Lights and Light Houses on the East Coast of the Madras Presidency	828	Post Office Savings Bank	408
List of Lights and Light Houses on the West Coast of the Madras Presidency	826	Postal Department—	
Madras Harbour Trust Board	835	British Postal Orders	406
Madras Harbour Works	834	Charges for Telegrams to Europe	427
Madras Port Conservators	771	Chief Officers of the Department	378
Meteorological meaning of the Commercial Code Flag	796	Combined Post and Telegraph Offices	380
Night Signals	822	Dead Letter Office	379
Notification relating to Port Dues	775	Despatch of Mails—Inland	382
Passage Rules	817	Foreign Money Order Commission	402
Passage Rules for the Madras Presidency	817	Foreign Money Orders	396
Petroleum Rules	764	Foreign Money Order telegraphed to Offices of Exchange	406
Pilot Service	771	Foreign Parcel Post	398
Pilotage Fees	775	Foreign Postage Rates	395
Police Department	821	Government of India Telegraph Department	409
Port Conservators	771	Hours of Business in the General Post Office and Town Sub-Post Offices in Madras	381
Port Rules for all the Coast Ports	797	Hours of Delivery of Mails	385
Port Rules of the Port of Madras	791	Hours of Local Delivery	385
Port Signals	789	Indo-Ceylon Telegraphic Money Orders	405
Port Surgeon	773	Inland Money Orders	401
Port Trust Railway, Calcutta	881	Inland Post—Meaning of	391

	Page		Page
Postal Department— <i>contd.</i>		Professors Staff, Medical College, Madras	1120
Inland Postage Rates	390	Progressive Union Free Library	1211
Inland Telegram Rates	412	Prussian National Marine and Fire Insurance Company, Statia	849
Inland Telegraph Money Orders	401	Public Accountants	913
List of Pillar and Wall Letter Boxes in the Town and Suburbs of Madras with their Hours of Clearance	388	Public Ferries and Canals in the Madras Presidency	624
List of Town Sub-Post Offices	280	Public Holidays in India	4
Postmaster-General's Office	159	Public Notaries in Madras	733
Postmasters	379	Public Offices in Madras—	
Post Office Savings Banks	408	Accountant-General's	148
Presidency Postmaster's Office	379	Administrator-General's	154
Railway Mail Service	379	Army Clothing Department	149
Rules for Inland Telegrams	412	Army Educational Dept.	149
Special Rules appertaining to particular classes of Articles	392	Board of Examiners	149
Superintendents of Post Offices, Madras Circle	379	Board of Examiners for Teachers' Certificates	149
Table of Charges for Foreign Telegrams from India or India to Europe, via Suez and Teheran	428	Board of Revenue	149
Value Payable Postal Articles	394	Chief Secretariat	161
Postmaster-General's Office	378	Chief Supply and Transport	168
Postmasters	379	Chemical Examiner to Government	151
Prayer and Reading Hall, New Town	1210	Civil Veterinary Department	150
Presentation of document for Registration	535	Commissioner for Government Examinations	151
Presidency College, Madras	1109	Commissioner, Income Tax	160
Presidency College Literary Society	1196	Commissioner of Police	167
Presidency Magistrates' Courts, Madras	159	Consulting Architect to Government of Madras	158
Presidency Medical Districts	689	Consulting Engineer for Railways	152
Presidency Port Office	159	Council, Fort St. George	92
Presidency Post Master's Office	379	Court of Small Causes	152
Presidency Training School for Mistresses	1108	Department of Revenue Settlement, Land Records and Agriculture	156
Primary Examination Board's Office	159	Deputy Commissioner of Police	151
Principal Hindu Festivals	3	Deputy Conservators of the Port of Madras	159
Principal Mahomedan Festivals	2	Deputy Inspector of Vaccination	152
Principal Medical Officer, Madras Command	692	Director of Public Instruction	152
Principal Medical Officers of Districts	692	District Registrar, Registration Department	155
Principal Medical Officer, Madras District, Office of	160	Emigration Department	152
Principal Medical Officer, Madras Command, Office of	160	Examiner of Guaranteed Railway Accounts	153
Printers, Publishers, etc.	913	Examiner of P. W. D. Accounts, Madras and Coorg	153
Printing—		Garrison Quartermaster	153
English Printing Presses	917	Government of India Telegraph Department	153
Manufacturers of Printing Materials	913	Government Medical Stores	153
Superintendent of Government Prisons, Inspector-General of	762	Government Museum and Commemorative Public Library	153
Private Entries List to Government House	141	Government Press	154
Private Medical Practitioners	913	Harasses and Saddlery Work-shops	159
Private Secretary to H. E. The Governor of Madras, Office of	160	High Court	154
		Insolvent Debtors' Court	154
		Inspector of Schools	155

	Page		Page
Railway Lines under Survey or Projected— <i>concl.</i>		Registration Department— <i>concl.</i>	
Coomoor-Gotacand Extension, Nilgiri Railway	884	Fees under Section 78 of the Indian Registration Act, III of 1877	537
Erode-Nanyangod	884	Government Copyright in Books, etc.	1114
Karnool Branch, Southern Madras Railway	886	Inspector-General of Registrations	532
Marina Loop, South Indian Railway	884	List of District Registrars	532
Mysore and West Coast	886	List of Joint Stock Companies working in 1901-1902	545
Salem-Atur	883	List of Joint Stock Companies that have increased their capital during 1901-1902	550
Trichinopoly-Tirukoyilur Chord	884	Marriage Registrars	1056
Vizianagaram-Raipur	886	Place of Registration	535
FAMILY FREEDOM LINES:		Presentation of Document for Registration	535
Bellary-Rayachur	886	Registrar of Books	1110
Hospet-Kotnur	886	Registrar of Joint Stock Companies	540
Kalikiri-Rayachoti	886	Registrars of Births and Deaths for the Madras Presidency	1027
Morappur-Dharmapuri	886	Registrars of Births and Deaths in the Town of Madras	620
Philangiparua-Guruzala	886	Registration Office for Joint Stock Companies	540
Trupattur-Krishnagiri	886	Registration of Births and Deaths by Madras Municipality. No fee charged by	620
Rain register, Monthly fall and number of rainy days	69	Registration of Joint Stock Companies	540
Rainfall Register for 85 years	68	Registration of Literary, Scientific and Charitable Societies under Act, XXI of 1860	544
Rajahmundry Castle Girls' School	1181	Registration Rules under Section 59 of the Indian Registration Act III of 1877	536
Rajakumar School	1185	Time prescribed for Registration	535
Rajah Sir S. Ramaswamy Mudali's Maternity Hospital	651	What Documents must be Registered	533
Rajahmundry College	1108	What other Documents may be Registered	533
Rajahmundry Training College	1108	Registrar, Diocese of Madras	454
Rajpura State Railway	871	Registrar, Madras University	1095
Rajpura-Bantala Railways	873	Registrar of Joint Stock Companies	540
Rajputana-Railway	877	Registration Office	532
Rates and Fares of Hackney Carriages	621	Registration of Books	1110
Rates for Parcels both in Local and Through Booking with all Indian Railways	388	Registrars and Sub-Registrars appointed as Notaries	732
Rates for Treasure on all Railways except the South Indian and Darjeeling-Himalayan Railways	891	Registration of Literary, Scientific and Charitable Societies under Act XXI of 1860	544
Rates of Passage Money by Peninsular and Oriental Steam Navigation Company	863	Regulations for Commutation of Pensions of Officers of the Indian Service	675
Ready Calculator for the payment of Income Tax	561	Regulations for Furlough and Leave for Military Officers	671
Recruitment of the Superior Grades of the Police	370	Regulations of Presidency Magistrates Courts, Madras	764
Reductions and Remissions of Stamp duty	459	Regulations passed by Government for conduct of duties by Registrar of Joint Stock Companies	544
Re-exports to Foreign Countries	437		
Reformatory School	1109		
Refund of Fees to Pleaders	741		
Regimental Pay and Allowances	679		
Registration Department—			
Deposit of Wills	534		
Description required in Document relating to Immovable Property	534		
Documents to be forwarded to Registrar of Joint Stock Companies	541		
Fees to be paid to Registrar of Joint Stock Companies	542		

	Page		Page
Regulations respecting Lights, Port Department	785	Rhenish Westfälischer Lloyd Insurance Company	849
Reliance Marine Insurance Company, Ltd.	849	Right Ascension and Declination of the Sun and Planets at Madras for 1903	57
Religious Tract and Book Society	1041	Ripon and Nungambakum Reading Room	1211
Remissions or Reductions of Stamp Duty	449	Rising and Setting of the Five Principal Planets at Madras for 1903	53
Report of Casualties to Shipping, Port Department	785	Road Block Gold Mining Company of India, Ltd.	848
Residences—		Robinson Park, Madras	1224
Hyderabad	1295	"Rock" Masonic Lodge	1248
Mysore	1252	Rohilkund and Kurnool Railway	880
Residents in Madras	1374	Roman Catholic Churches	981
Returns to and by the Superintendent of Stamps and Accountant-General, Stamp Department	458	Royal Army Medical Corps	690
Revenue, Board of	295	Royal Exchange Assurance Company	849
Reuter's Telegram Co., Ltd.		Royal Families—	
Advantages to Senders	858	Carnatic	86
Instructions to Senders	858	Cochin	87
Private Telegram Service	858	England	81
Revised List of Text-books, Medical College, Madras	1131	Hyderabad	86
Revised Rule for Admission of Officers to the Indian Staff Corps	665	Mysore	86
Revised Rule for Cemeteries, etc.	1037	Pudakkotal	87
Revised Rules for Pursewalkum General Cemetery	1068	Sandur	87
Revised Rule for the encouragement of the Study of Oriental Languages among the Junior Members of the Indian and Statutory Civil Services	305	Tanjore	87
Revised Rule for the Examination of Assistants in the Indian Civil Service	308	Travancore	87
Revised Rule relating to Public Holidays in India	4	Royal Fire and Life Insurance Company	849
Revision of Procedure in District Courts	741	Royal Insurance Company (in which the Queen is now merged)	849
Rewards—		Royal Victoria Hospital	652
to Europeans and Eurasians in the Education Department for passing the High Proficiency and Honours Examination in the Vernaculars	321	Royapettah Hospital	639
to Forest Officers for passing in the Vernacular Language	318	Royapettah Reading Room	1210
to Commissioned Medical Officers posted to Civil Charges	317	Rubber Stamp Makers, etc.	914
to Junior Members of the Indian Civil Service in Oriental Languages	305	Rules—	
to Military Officers for passing in the Vernaculars	324	and Forms for the Entry and Clearing of Goods	482
to Uncommissioned Officers, Europeans and Eurasians for passing High Proficiency Test in the Vernaculars	316	and Regulations of the Madras Chamber of Commerce	851
Rewari-Ferozepore Railway	877	and Regulations of the Madras Medical College	1121
Rhenania Versicherungs Action Gesellschaft in Köln	849	for Admission to the Political Department	308
		for the Admission of Officers to the Supply and Transport Corps	667
		for Calling in Madras	1274
		for the Entry and Passing of Goods	482
		for the Erection and Repairs of Monuments	1059
		for the Examination of Assistants in the I.C.S.	299
		for the Examination of Bank Agents and Accountants	317
		for the Examination of Cantonment Magistrates in Law	323
		for the Examination of Deputy Collectors	321
		for the Examination of European and Eurasian Officers of Government	313

Rules—continued.	Page	Rules—continued.	Page
for the Examination of European and Eurasian Forest Officers ...	318	relating to Memorials to His Majesty and the Secretary of State ...	657
for the Examination of Europeans and Eurasians serving in the Education Department ...	321	relating to the Office of Lay Trustees and Churchwardens in the Diocese of Madras ...	986
for the Examination of Medical Officers posted to Civil Charges ...	317	under Section 68 of the Indian Registration Act, No. III ...	538
for the Examination of Officers of the Superior Grades of Police in Law and in the Vernaculars ...	312	under the Stamp Act of 1899 ...	452
for Examination Rewards ...	305		
for Female Students, Medical College, Madras ...	1126		
for the Examination of Officers in the Forest Department in Law and Revenue ...	320		
for the Examination of Traffic Officers of the South Indian Railway in Tamil and Telugu ...	317		
for Government Examinations for Government Technical Examinations ...	343		
for Inland Telegrams ...	412		
for issue of <i>ex-officio</i> Licenses, Stamp Department ...	464		
for Lower Secondary Examination ...	322		
for Medical Scholarships for Women of Cochin and Travancore ...	1136		
for Medical Students of the Medical College, Madras ...	1121		
for Pleaders ...	738		
for Primary Examination ...	327		
for Regulating the grants for building Churches, &c. ...	1064		
for Regulating the Meetings of Municipal Commissioners ...	618		
for the Guidance of Surrogates ...	988		
for the People's Park ...	1203		
for Upper Secondary Examination ...	333		
in regard to the levy of Ecclesiastical Fees ...	987		
of Business, Bank of Madras ...	843		
of the Madras High Court ...	740		
of the Victoria Public Hall, Madras ...	1207		
published in accordance with the Indian Railway Act, 1890 ...	887		
relating to the Constitution and Working of the College of Agriculture, Saidapet ...	1142		
relating to the Constitution and Working of the Madras Engineering College ...	1148		
relating to the Constitution and Working of the Madras Law College ...	1153		
relating to Fees in the Madras High Court ...	745		

	Page	Schools—continued.	Page
Scale of Civil Allowances ...	162	P. Venkatchallam's Upper Primary ...	1186
Scale of Fees to Advocates, Attorneys, Vaidias and Pleaders, in the High and Subordinate Courts ...	742	Pachaiyappa's High, Chidambaram ...	1182
Scale of Fees to Advocates, Attorneys and Pleaders in the Presidency Small Cause Court ...	742	Pachaiyappa's High, Conjeevaram ...	1182
Scale of Fees for Measuring Vessels, Port Department ...	790	Pachaiyappa's Primary, Chidambaram ...	1182
Scale of Pilotage Fees at the Ports of Cochin, Pantam, Pantam Channels and Keelakuray Channel ...	790	Ponnamhala Pillai's Sanskrit, Chidambaram ...	1182
Scale of Salaries in the Adjutant-General's Department ...	676	Purusswalkum Charity ...	1185
Schedule of Foreign Postage Rates ...	396	Rajahgopaul's Caste Girls' ...	1181
School of Music, Madras ...	1186	Rajakumar ...	1186
School of Music for the Blind ...	1187	Reformatory ...	1109
Schools—		S. P. G. Charity, Pursewalkum ...	1170
Bishop Carrie's Grammar ...	1164	S. P. G. High ...	1171
Bishop Gell's Girls' ...	1164	St. Joseph's Convent ...	1173
Chengalroya Naicker's Commercial ...	1183	St. Mary's Church Charity ...	1177
Chengalroya Naicker's Hindu Orphanage and Industrial ...	1183	St. Mary's Seminary for Young Ladies' ...	1172
Christ Church District Poor ...	1170	St. Matthias' English Mixed ...	1170
Collegiate, for Girls and Infants ...	1169	St. Thomas' Convent ...	1173
Commercial, Calicut ...	1169	The Franciscan Convent ...	1174
Davidson Street Boys' and Girls' ...	1175	The Madras Civil Orphan Asylums ...	1177
Dowson Girls' High ...	1168	Union Girls' ...	1179
Drury ...	1170	Union Sunday ...	1176
Elephant Gate Poor ...	1172	United Free Church of Scotland ...	1163
Gordon Orphan Refuge ...	1179	Vepey District Parochial ...	1170
Government Hobart Training ...	1176	Wesleyan Mission Girls' Boarding ...	1175
Government Moyan Training for Mistresses ...	1108	Wesleyan Mission Hindu Girls' ...	1176
Government Presidency Training for Mistresses ...	1108	Scottish Imperial Insurance Company ...	849
Govinda Naicker's Middle ...	1182	Scottish Metropolitan Assurance Company ...	850
H. H. the Maharajah of Vizianagaram's Girls' ...	1185	Scottish Union and National Insurance Company ...	849
Harris High ...	1171	Sculptors and Undertakers ...	914
Hindu High ...	1184	Sea Custom House, Madras—	
Hindu Theological High ...	1186	Alphabetical List of Exports to Foreign Countries ...	402
Hindu Union Middle ...	1182	Alphabetical List of Exports and Imports by Coasting Trade ...	500
Hindu Union Upper Primary ...	1184	Alphabetical List of Imports from Foreign Countries ...	487
Home for Destitute Children ...	1180	Erratum issued by the Chief Customs authority ...	484
Industrial Home for Girls ...	1180	Export Tariff ...	492
Leipzig Evangelical Lutheran Mission Anglo-Vernacular ...	1176	Godown Rent at the Customs House ...	506
Lodd Govindas' Anglo-Gujarati ...	1185	Import Tariff ...	510
Lodd Govindas' Blind ...	1185	Imports ...	487
Lodd Govindas' Girls' ...	1185	List of Foreign Countries to be adopted in the Returns of Trade ...	504
Lodd Govindas' Vedic ...	1185	Office ...	482
Madras Girls' Day ...	1181	Orders for Baggage Superintendent as to Baggage of Passengers by Steamer ...	483
Madras Industrial ...	1180	Passengers' Baggage ...	483
Madras-a-i-Azam ...	1169		
Military Female Orphan Asylum ...	1178		
Mohammedan Branch Training ...	1168		
Nuthalpet Hindu Girls' ...	1181		
of Arts, Government ...	1180		
of Music, Madras ...	1186		
of Music for the Blind ...	1187		

	Page		Page
Sea Custom House, Madras— <i>contd.</i>		Societies— <i>continued.</i>	
Re-Exports to Foreign Coun- tries	467	Madras Temperance League	1242
Rules and Forms for Entry and Passing of Goods through	482	Mylapore Athenaeum Debating	1240
Sea Custom House Office	161	Oriental Benefit and Deposit	1217
Secretariat, P. W. D.	161	Pachaiyappa's High School	1190
Secular Diary of the 20th Century	17	Literary	1196
See of Bombay	95	The Madras Caledonian	1196
See of Calcutta	99	The Madras Deposit and Benefit	1217
See of Madras	953	The Presidency College Library	1196
See of San Thome (R. C.)	481	The Theosophical	1195
Senate of the Madras University	1090	Tiruvellaiswaren Pettah Liter- ary	1311
Separate Revenue Office	150	Triplicane Library	1189
Services of Chaplains of the Church of England	854	Wesleyan Missionary	1034
Shell, Transport and Trading Company	848	Sources of Income and Expenditure of Tax	630
Shevaroy Hills Directory	1351	South British Fire and Marine Insurance Company	849
Ship Provisioners	914	South Indian Railway Board of Directors	901
Shipment and Landing of Goods	778	South Indian Railway Mission	1041
Shoranur-Cochin Railway	898	"Southern Cross" Masonic Lodge	1248
Shorthand Writers' Association, Madras	1228	Southern India Spinning and Weaving Company, Ltd.	862
Sind-Pishin Section Railway	878	Southern Mahratta Railway, Board of Directors of	901
Sind-Sagar Railway	878	Southern Punjab Railway	879
Small Cause Court, Bombay	95	Special notice to Commanders of Vessels visiting the Port of Madras	794
Small Cause Court, Burma	106	Special Rules appertaining to particular Classes of Articles by Indian Post	591
Small Cause Court, Calcutta	90	Sri Ayya Bhaktina Ganapathya Varadasi Sabha	1236
Small Cause Court, Madras	759	Sri Krishna Gana Sabha	1235
Societies—		S. P. G. Clergy, Madras Diocese	935
Boys' United Literary	1189	S. P. G. Women's Mission Associ- ation, Madras	1188
Christian Literature	1041	St. Andrew's (The Kirk)	970
Church of England Zenana Missionary	1001	St. Andrew's (R. C.) Chapel	981
Church Missionary	996	St. Andrew's Native Church of Scotland Mission	1032
Colonial and Continental Church Diocesan Branch of the Church of England Temperance	1194	St. Anthony's (R. C.) Chapel, Adyar	981
Friend-in-Need, Madras	1192	St. Anthony's (R. C.) Chapel, Podupet	981
Independent Order of Good Templars, Grand Lodge of Madras and Burma	1245	St. Anthony's (R. C.) Chapel, Royapuram	981
For the Prevention of Cruelty to Animals	1196	St. Francis Xavier's (R. C.) Chapel	981
For Promoting Christian Know- ledge	1000	St. George's Cathedral	976
For the Propagation of the Gospel in Foreign Parts	994	"St. George's" Masonic Lodge	1248
For the Protection of Animals from Vivisection and Cruel Treatment	1197	St. John's Church	978
London Missionary	1086	"St. John's" Masonic Lodge	1248
Madras Agri-Horticultural	1191	St. Joseph's Convent School	1173
Madras Auxiliary Bible	1038	St. Mary's Church	977
Madras Dramatic	1191	St. Mary of the Angels (R. C.) Chapel	981
Madras Fine Arts	1190	St. Mary's Seminary for Young Ladies	1172
Madras Literary, Auxiliary of the Royal Asiatic	1189	St. Mary's Church Charity School	1177
Madras Permanent Saving and Benefit	1220	St. Mary's (Garrison) Church	976
Madras Religious Tract and Book Madras School Book and Liter- ature	1041	St. Matthias' Church	977

	Page		Page
St. Matthias' English Mixed School	1170	Subscribers to the Oriental Tele- phone Co.	859
St. Paul's Church	978	Subsidiary Rules for the erection and repair of Endowed Monu- ments in Government Ceme- teries	1086
St. Peter's (R. C.) Chapel	981	Sun Insurance Company	850
St. Thomas' Church	977	Sun Life Assurance Company of India	849
St. Thomas' School	1178	Superintendent of Family Pay- ments and Pensions, Office of	161
S. P. G. Women's Mission Associ- ation	1188	Superintendent of Government Printing, Office of	154
Stable Company, Madras	862	Superintendent of Prisons for the Town of Madras, Office of	162
Staff Appointments and Salaries	676	Superintendent of Stamps and Stationery, Office of	161
Staff at the Presidency	693	Superintendents and Medical Officers of Jails	762
Staff of the Bengal Command	114	Superintendents of Post Offices, Madras Circle	379
Staff of the Bombay Command	113	Superintending Engineer, 5th Circle, Office of	162
Staff, Madras Command	109	Supply and Transport Corps	667
Staff of Madras Railway	895	Supply and Transport Store- keeper-General's Office	158
Staff in Burma	113	Surgeon-General with the Govern- ment of Madras, Office of	162
Staff of the Punjab Command	115	Surrogates for Granting Marriage Licenses	988
Stamp Department—		Survey Department	265
Adhesive Stamps	446	Survey Reports and Arbitration Awards, Madras Chamber of Commerce	853
Branch Depôts for sale of Stamps	457	Syrian Catholic Church in Mala- bar	1052
Central Depôts for sale of Stamps	454		
Court-fee Stamps	455		
Depôts for the sale of Stamps	454		
Documents exempt from Stamp- duty	449		
Enactments repealed	444		
Impressed Stamps	445		
Liability of Instruments to Stamp-duty	429		
Local Depôts for the sale of Stamps	455		
Miscellaneous	447		
One Anna Impressed Stamps under the Indian Stamp Act of 1870	448		
Remissions and Reductions of Stamp-duty	449		
Returns to and by the Superin- tendent of Stamps and Ac- countants-General	458		
Rules for the issue of <i>ex-officio</i> Licenses to Postal Officials for the sale of non-judicial and Court-fee Stamps	464		
Rules under the Stamp Act of 1899	482		
Stamp-duty on Instruments	429		
Stamp Office	428		
Stamping Private Documents and sale of Court-fee Stamp Paper exceeding Rs. 50 in value	428		
Superintendent of Stamps	428		
Stamp-duty on Instruments	429		
Stamp Enactments Repealed	444		
Stamping Private Documents, etc.	428		
Standing Medical Committee	692		
Statement showing the Collections of Land Revenue and other sources of Revenue	578		
Statement showing the Charges of Divisional Officers for the year 1898-99	579		

T

Tables—

of Charges for Foreign Tele- grams from India or Burma to Europe, via Suez and Teheran	428
of Coins, Weights and Mea- sures	917
of Dominical Letters for 6,000 years, etc.	11
of Equivalent Value for Govern- ment and other Securities	926
of Exchange—Pounds Sterling into Rupees and Rupees into Pounds Sterling	935
of Expense, Income or Wages for months of twenty-eight, twenty-nine, thirty and thirty-one days	949
of Fees for High Court of Judicature, Madras	748
of Fees to be taken by At- torneys	748
of Fees to be taken by the Sheriff	750
of Fees for the Small Cause Court, Madras	742

	Page		Page
Vice-Consuls, Consuls and Consular Agents in the Madras Presidency ...	151	Womens' Workshop - Egmore ...	915
Viceroy and Governor-General of India ...	87	Mount Road ...	915
Victoria Hospital ...	652	San Thomé ...	915
Victoria Public Hall ...	1207	World's Marine Insurance Company, Ltd. ...	849
		Wortenburg Insurance Company ...	850
		Wreck Arrangements ...	821
W		Y	
"Waltair" Masonic Lodge ...	1248	Yangtze Insurance Association, Ltd. ...	849
Warrant of Precedence ...	136	Young Men's Christian Association, Madras ...	1225
Watch and Clock Makers and Musical Instrument Repairers ...	915	Young Men's Christian Association, Royapuram ...	1043
Western Fire and Marine Assurance Company ...	849		
Widows' and Orphans' Fund, Madras ...	1216	Z	
Wills ...	534	Zenana Missionary Society ...	1001
Wilson's Estate Company, Ltd. ...	848	Zion Church ...	973
Wine and Spirit Merchants, etc. ...	915		

MOFUSSIL DIRECTORIES.

	Page		Page
BANGALORE-MYSORE DIRECTORY.		Departments--continued.	
Associations--		Medical ...	1253
The Bangalore Shorthand Writers' ...	1277	Military ...	1254
The Muhamadan ...	1274	Public Works ...	1259
Banks--		Revenue Survey and Inam ...	1254
Bangalore Bank, Ltd. ...	1275	Gardening Calendar ...	72
Branch, Bank of Madras ...	1275	Government of Mysore--	
Churches and Chapels--		List of Engineers and Upper Subordinates of the Public Works Department ...	1259
All Saints', Oestor Road ...	1268	List of Officers in the General and Judicial Department, with Salaries ...	1254
American Methodist Episcopal, Richmond Town ...	1268	List of Salaries of Officers of the ...	1255
American Methodist Episcopal, St. John's Hill ...	1268	List of Uncovenanted Servants of the ...	1255
Baptist, Union Hall, Cockburn Road ...	1269	Officers of the Civil Department of the ...	1251
Holy Trinity, Trinity Road ...	1267	The Mysore Geological Department ...	1262
Sacred Heart (R. C.), Shoolay ...	1268	Independent Order of Good Templars--	
St. Andrew's (Kirk), Cubbon Road ...	1268	List of Lodges--	
St. Francis Xavier's (R. C.), St. John's Hill ...	1268	"Essex Pride," No. 44 ...	1247
St. John's, St. John's Hill ...	1267	"Goodwill," No. 14 ...	1247
St. Joseph's (R. C.), Bangalore City ...	1268	"Pride of the Hill" Javelin Temple, No. 45 ...	1246
St. Mark's, St. Mark's Square ...	1267	"St. John's," No. 71 ...	1247
St. Mary's (R. C.), New Market Square ...	1268	Judicial--	
St. Matthew's, City Station ...	1268	Assistant Commissioner's Court, Civil and Military Station ...	1263
St. Patrick's Cathedral (R. C.), Brigade Road ...	1268	Chief Court, Mysore ...	1263
St. Paul's, New Market Road ...	1267	Deputy Commissioner's Court ...	1263
The Fort Church, Fort ...	1268	District Judge ...	1263
Wesleyan Mission, St. John's Hill ...	1268	District Magistrate's Court ...	1267
Wesleyan, East Parade ...	1268	Honorary Magistrate's Court ...	1263
Wesleyan, City Railway Station ...	1268	Magistrate's Court ...	1263
City and Military Station ...	1266	Munsif's Court ...	1263
Police ...	1266	Resident's Court ...	1263
Civil and Military Station ...	1250	Second Magistrate's Court ...	1263
Colleges--		Subordinate Judge's Court ...	1263
Government Central ...	1270	Legal--	
H. H. Maharajah's Sanskrit, Mysore ...	1271	Advocates of the Chief Court ...	1264
Coorg Commission--		List of First Grade Pleaders ...	1265
List of Salaries of Officers under the Mysore Residency and in the ...	1251	List of Second Grade Pleaders ...	1265
Officers of the ...	1251	Library--	
Uncovenanted Servants under the Resident and Chief Commissioner ...	1251	Government Oriental ...	1270
Departments--		Masonic Lodges--	
Civil ...	1253	"Bangalore," No. 1043, E. C. ...	1248
Educational ...	1270	"Mysore," No. 1541, E. C. ...	1248
Geological ...	1262	"United Services," No. 2755 ...	1248
		Ministering Children's League ...	1270
		Missions--	
		American Christian Advent ...	1269
		S. P. G. ...	1282
		Women's Home and Foreign ...	1270
		Mysore Residency ...	1250

	Page		Page
Schools—continued.		Missions—	
Upper Middle, Birh ...	1306	S. P. G. Mission ...	1295
Upper Middle, Narayanpett ...	1305	Zenana Mission ...	1295
Upper Middle, Raichur ...	1306	Resident's Civil Offices—	
Topographical Description of Assigned Districts ...	1303	Berar Secretariat ...	1297
Independent Order of Good Templars—		Issue Branch ...	1297
"Balachari" No. 51 ...	1247	Judicial Department ...	1297
"Hope of Bolaram" Juvenile Temple, No. 18 ...	1246	Persian Department ...	1297
"Star of Deccan" Juvenile Temple, No. 50 ...	1246	Political Department ...	1297
Examiner of P. W. Accounts ...	1307	Printing Department ...	1297
Public Offices—		Treasury ...	1297
Cantonment Committee ...	1307	Residency Hospital ...	1296
Comptroller's ...	1307	Schools—	
Police ...	1307	Anglo-Vernacular Girls' Boarding (M. E.) ...	1294
Superintending Engineer's ...	1307	Anglo-Vernacular (M. E.) ...	1293
Schools—		City High ...	1293
Cantonment Anglo-Vernacular ...	1308	Government Civil Engineering ...	1294
European High ...	1303	Government Zeensua ...	1294
Topographical Description of Bolaram ...	1307	Government High ...	1293
HYDRABAD:		Kindergarten ...	1293
Bank—		Residency Medical ...	1294
Branch of the Bank of Bengal ...	1295	Residency Anglo-Vernacular ...	1294
Churches—		Residency High ...	1293
Christ Church for Native Christians ...	1295	Native Protestant, for Boys and Girls, Residency ...	1294
St. George's ...	1295	St. George's Grammar, for Boys and Girls ...	1293
St. Joseph's (R. C.) ...	1295	Staff of H. H. The Nizam's Guaranteed Railway Co. ...	1299
Clubs—		Staff of Police ...	1299
Fateh Maidan Gymkhana ...	1294	The Hyderabad Residency Staff ...	1293
Golconda Gymkhana ...	1294	Topographical Description of Hyderabad ...	1289
Hyderabad Contingent Gymkhana ...	1294	Topographical Description of the Residency House at Chudderghat ...	1295
The Hyderabad ...	1294	KITCHPUR (BERAR):	
The Hyderabad Mogal Volunteer ...	1294	Churches—	
Colleges—		All Saints' ...	1309
All Saints' Roman Catholic ...	1293	Congregational ...	1309
The Nizam's ...	1293	St. Andrew's ...	1309
Dispensaries ...	1291	Topographical Description of Ellichpur ...	1308
Government of H. H. The Nizam—		Missions—	
Departmental Ministers ...	1294	Alliance ...	1309
H. H. The Nizam's Regular Forces ...	1311	Baptist ...	1309
Hyderabad Telegraph Office ...	1296	Faith ...	1309
Public Offices ...	1291	Free Church ...	1309
Judicial—		Free Methodist ...	1309
City Civil Court ...	1292	International ...	1309
City Magistrate's Court ...	1292	Kerka and C. I. H. ...	1309
High Court of Judicature ...	1292	Methodist Episcopal ...	1309
Libraries—		Pentecostal ...	1309
Chudderghat Catholic ...	1295	Wesleyan ...	1309
H. H. the Nizam's State ...	1295	SECONDORABAD AND TRIMULCHERRY:	
Masonic Lodge—		Associations—	
"Deccan," No. 1444 ...	1295	Soldiers' and Sailors' Families' ...	1301
Military Secretary's Office ...	1296	The People's ...	1301
Post Office at the Residency ...	1296	Cantonment Magistrates' office ...	1298
Railway Police ...	1295	Churches—	
		American Baptist ...	1302
		St. Andrew's (Kirk) ...	1302

MOFUSSIL DIRECTORIES.

	Page		Page
BANGALORE-MYSORE DIRECTORY.		Departments—continued.	
Associations—		Medical ...	1253
The Bangalore Shorthand Writers' ...	1277	Military ...	1254
The Muhamadan ...	1274	Public Works ...	1259
Banks—		Revenue Survey and Inam ...	1254
Bangalore Bank, Ltd. ...	1275	Gardening Calendar ...	72
Branch, Bank of Madras ...	1275	Government of Mysore—	
Churches and Chapels—		List of Engineers and Upper Subordinates of the Public Works Department ...	1259
All Saints', Oossur Road ...	1263	List of Officers in the General and Judicial Department, with Salaries ...	1254
American Methodist Episcopal, Richmond Town ...	1263	List of Salaries of Officers of the ...	1255
American Methodist Episcopal, St. John's Hill ...	1263	List of Uncovenanted Servants of the ...	1255
Baptist, Union Hall, Cockburn Road ...	1269	Officers of the Civil Department of the ...	1251
Holy Trinity, Trinity Road ...	1267	The Mysore Geological Department ...	1262
Sacred Heart (R. C.), Shoolay ...	1263	Independent Order of Good Templars—	
St. Andrew's (Kirk), Cubbon Road ...	1268	List of Lodges—	
St. Francis Xavier's (R. C.), St. John's Hill ...	1268	"Essex Pride," No. 44 ...	1247
St. John's, St. John's Hill ...	1267	"Goodwill," No. 14 ...	1247
St. Joseph's (R. C.), Bangalore City ...	1263	"Pride of the Hill" Juvenile Temple, No. 45 ...	1246
St. Mark's, St. Mark's Square ...	1267	"St. John's," No. 71 ...	1247
St. Mary's (R. C.), New Market Square ...	1268	Judicial—	
St. Matthew's, City Station ...	1268	Assistant Commissioner's Court, Civil and Military Station ...	1263
St. Patrick's Cathedral (R. C.), Brigade Road ...	1268	Chief Court, Mysore ...	1263
St. Paul's, New Market Road ...	1267	Deputy Commissioner's Court ...	1263
The Fort Church, Fort ...	1268	District Judge ...	1263
Wesleyan Mission, St. John's Hill ...	1268	District Magistrate's Court ...	1267
Wesleyan, East Parade ...	1268	Honorary Magistrate's Court ...	1263
Wesleyan, City Railway Station ...	1268	Magistrate's Court ...	1263
City and Military Station ...	1266	Munsiff's Court ...	1263
Police ...	1266	Resident's Court ...	1263
Civil and Military Station ...	1256	Second Magistrate's Court ...	1263
Colleges—		Subordinate Judge's Court ...	1263
Government Central ...	1270	Legal—	
H. H. Maharnjah's Sanskrit, Mysore ...	1271	Advocates of the Chief Court ...	1264
Coorg Commission—		List of First Grade Pleaders ...	1265
List of Salaries of Officers under the Mysore Residency and in the ...	1251	List of Second Grade Pleaders ...	1265
Officers of the ...	1251	Library—	
Uncovenanted Servants under the Resident and Chief Commissioner ...	1251	Government Oriental ...	1270
Departments—		Masonic Lodges—	
Civil ...	1253	"Bangalore," No. 1043, E. C. ...	1248
Educational ...	1270	"Mysore," No. 1541, E. C. ...	1248
Geological ...	1262	"United Service," No. 2735 ...	1248
		Ministering Children's League ...	1270
		Missions—	
		American Christian Advent ...	1269
		S. P. G. ...	1282
		Women's Home and Foreign ...	1270
		Mysore Residency ...	1250

	Page		Page
Schools—continued.		Missions—	
Upper Middle, Birh	1308	S. P. G. Mission	1295
Upper Middle, Narayanpet	1305	Zenana Mission	1295
Upper Middle, Raichur	1306	Resident's Civil Offices—	
Topographical Description of		Berar Secretariat	1297
Assigned Districts	1303	Issue Branch	1297
Independent Order of Good		Judicial Department	1297
Templars—		Persian Department	1297
"Balacava," No. 51	1247	Political Department	1297
"Hops of Bolaram" Juvenile		Printing Department	1297
Temple, No. 18	1246	Treasury	1297
"Star of Deccan" Juvenile		Residency Hospital	1296
Temple, No. 50	1246	Schools—	
Examiner of P. W. Accounts	1307	Anglo-Vernacular Girls'	
Public Offices—		Boarding (M. E.)	1294
Cantonment Committee	1307	Anglo-Vernacular (M. E.)	1293
Comptroller's	1307	City High	1293
Police	1307	Government Civil Engineering	1294
Superintending Engineer's	1307	Government Zenana	1294
Schools—		Government High	1293
Cantonment Anglo-Verna-		Kindergarten	1293
cular	1308	Residency Medical	1294
European High	1303	Residency Anglo-Vernacular	1294
Topographical Description of		Residency High	1293
Bolaram	1307	Native Protestant, for Boys	
		and Girls, Residency	1294
HYDERABAD:		St. George's Grammar, for	
Bank—		Boys and Girls	1293
Branch of the Bank of Bengal	1295	Staff of H. H. The Nizam's	
Churches—		Guaranteed Railway Co.	1299
Christ Church for Native		Staff of Police	1299
Christians	1295	The Hyderabad Residency	
St. George's	1295	Staff	1296
St. Joseph's (R. C.)	1295	Topographical Description of	
Clubs—		Hyderabad	1289
Fateh Maidan Gymkhana	1294	Topographical Description of the	
Golconda Gymkhana	1294	Residency House at Chudderg-	
Hyderabad Contingent Gym-		khana	1295
khana	1294	ELICAPUR (BERAR):	
The Hyderabad	1294	Churches—	
The Hyderabad Moglai Volun-		All Saints'	1309
teer	1294	Congregational	1309
Colleges—		St. Andrew's	1309
All Saints', Roman Catholic	1293	Topographical Description of	
The Nizam's	1293	Elicapur	1308
Dispensaries	1291	Missions—	
Government of H. H. The Nizam		Alliance	1309
Departmental Ministers	1294	Baptist	1309
H. H. The Nizam's Regular		Faith	1309
Forces	1311	Free Church	1309
Hyderabad Telegraph Office	1296	Free Methodist	1309
Public Offices	1291	International	1309
Judicial—		Korka and C. I. H.	1309
City Civil Court	1292	Methodist Episcopal	1309
City Magistrate's Court	1292	Pentecostal	1309
High Court of Judicature	1292	Wesleyan	1309
Libraries—		SECUNDERABAD AND TRIMULGHERRY:	
Chuddergaut Catholic	1295	Associations—	
H. H. the Nizam's State	1295	Soldiers' and Sailors' Families'	1301
Masonic Lodge—		The People's	1301
"Deccan," No. 1444	1295	Cantonment Magistrates' office	1298
Military Secretary's Office	1296	Churches—	
Post Office at the Residency	1296	American Baptist	1302
Railway Police	1295	St. Andrew's (Kirk)	1302

	Page		Page
Churches—continued.		Schools—continued.	
St. John's	1302	Mission, for Native Christians	1276
St. Mary's (R. C.)	1302	S. P. G. Anglo-Vernacular	1300
St. Patrick's	1302	Wesleyan Mission Girls'	
St. Thomas	1302	Boarding	1300
Wesleyan Mission	1302	Societies—	
College—		Church of England Temper-	
The Mahabub	1300	ance	1300
Clubs—		Friend-in-Need	1300
Secunderabad Social	1301	Prevention of Cruelty to	
Secunderabad Boat	1301	Animals	1301
The Deccan	1301	St. Vincent de Paul	1301
The United Service	1301	Topographical Description of	
Volunteer Institute	1301	Secunderabad	1297
Executive Engineer's Depart-		Trade List	1309
ment, Military Works	1300	Women's Workshop	1300
Independent Order of Good		TRIMULGHERRY:	
Templars—		Churches—	
List of Lodges—		All Saints'	1307
"Deccan Pride," No. 54	1247	Wesleyan	1307
"Deccan Offspring" Juvenile		Independent Order of Good	
Temple, No. 32	1246	Templars—	
"Flower of Picket" Juvenile		List of Lodges—	
Temple, No. 6	1246	"Kamptee Brotherhood,"	
"Hope of India," No. 25	1247	No. 13	1247
"Hope of India Progress"		"Lindum Pride" Juvenile	
Juvenile Temple, No. 12	1246	Temple, No. 43	1246
Legal—		"Middlesex Primrose" Juve-	
List of Pleaders	1311	nile Temple, No. 3	1246
Libraries—		"Nellie's Pride" Juvenile	
The Albert Reading Room and		Temple, No. 51	1246
Library	1301	"R. A. United," No. 73	1247
The Railway	1301	Topographical Description of	
The Semasundram	1301	Trimulgherry	1306
Masonic Lodges—		MANGALORE DIRECTORY.	
"Keystone," No. 81, E. C.	1301	Bank—	
"Mayo" No. 1496, E. C.	1301	Branch of Madras Bank	1315
"St. John's Hill," No. 434,		Church—	
E. C.	1302	St. Paul's Church	1315
Royal Arch Chapter of St. John	1302	Lay Trustees of St. Paul's	
Medical—		Church	1315
List of Dentists	1310	Clubs—	
List of Medical Practitioners	1310	Mangalore Book	1315
List of Midwives	1310	Mangalore Cricket	1315
Military—		Mangalore Golf	1315
Cantonment Magistrate	1298	Mangalore Roman Catholic	1315
District Staff	1298	The Inter-School Gymkhana	1315
Hyderabad Volunteers	1298	The Mangalore	1315
Military Works Department	1298	Colleges—	
Missions—		Mangalore	1314
Baptist Telugu	1302	St. Aloysius'	1314
S. P. G.	1302	District Board	1314
Public Offices—		Educational—	
Cantonment Magistrate	1298	Assistant Inspector of	
District Police	1299	Schools	1314
Government Telegraph	1299	Inspector of Schools, Western	
Jail Department	1299	Circle	1314
Postal	1300	Sub-Assistant Inspector,	
Registration	1299	Kasaragod Range	1314
Schools—		Sub-Assistant Inspector,	
Bai Mithibai Shikurji		Udupi Range	1314
Cheniot's A. V.	1309	Forest Department	1314
Brigade Orphanage and Eng-		Hospital—	
lish	1300	Women and Children's	1314

	Page		Page
VII.		SHEVAROY HILLS (YERCAUD)	
Police	1345	DIRECTORY.	
Political Officer	1345	Churches and Chapels—	
Public Works	1345	French Mission	1351
Revenue and Magisterial	1345	Holy Trinity	1351
State Officers	1345	London Mission	1351
State Offices—		Luthera Mission	1351
Registration Department	1345	Clubs—	
Revenue Survey Department	1345	Shevaroy Hills	1352
Salt, Abkari and Separate		Yercaud	1352
Revenues	1345	Hospital—	
Topographical Description of		Victoria Jubilee, for Euro-	
Pudukkottai	1344	peans and Eurasians	1354
TRICHINOPOLY:		Judicial—	
Bankers	1346	Deputy Tahsildar and Sub-	
Churches and Chapels—		Magistrate	1351
Cathedral (R.C.)	1345	List of Houses generally to Est.	1354
Christ Church	975	List of Permanent Residents on	
Holy Redeemer (R.C.)	1345	the Hills and around Yercaud.	1352
Lady of Seven Dolours (R.C.)	1345	Library—	
St. John's Church	975	Victoria Rooms	1354
St. Joseph's (R.C.)	1345	Missions—	
St. Xavier's (R.C.)	1345	Danish	1351
Colleges—		French	1351
S. P. G.	1346	Leipzig Lutheran	1351
St. Joseph's	1346	London	1351
Independent Order of Good		Roman Catholic	1351
Templars—		School—	
"Old Tenth" Lodge, No. 10,		London Mission	1351
Beer Camp	1247	Topographical Description of	
Masonic Lodge—		the Shevaroy Hills	1351
"Rock," No. 260, E. C.	1248	Travellers' Bungalow	1354
Medical	1345		
Municipality—		TRAVANCORE AND KANAN DEVAN	
Municipal Commissioners	1346	HILLS DIRECTORY.	
Municipal Councillors	1346	Agricultural Demonstration	
Railway Department	1346	Farm	1359
Reading Rooms—		British Government Institutions—	
Railway Institute, Trichy.		Munsiffs' Courts	1360
Port	1346	Post Offices	1360
Railway Institute, Trichy.		Sub-Magistrates' Courts	1360
Junction	1346	Telegraph Offices	1360
St. Antony's	1346	British Residency	1356
Trade List	1345	Churches—	
PALANI HILLS DIRECTORY.		Christ, Trevandrum	975
Churches—		St. Thomas', Quilon	975
American Mission	1351	Club—	
Roman Catholic Mission	1351	The Union, Trevandrum	1360
St. Peter's	1351	Colleges—	
Club—		Girls'	1359
Kodikanal	1351	H. H. The Maharajah's	1359
Cutcherry	1351	Sanskrit	1359
Dispensary	1351	Customs Department—	
District Board	1351	Customs' Master	1360
Forest Department	1351	Superintendent of Customs	1360
Government Post Office	1351	Davasan Department	1356
List of Houses on the Palani		Ecclesiastical Department—	
Hills	1349	Archbishopric of Verapoly	1360
Missions—		Bishop of Travancore and	
American	1350	Cochin	1360
Roman Catholic	1350	Bishop of Quilon	1360
S. P. G.	1351	Diocese of Travancore and	
Police Department	1351	Cochin	1360
Reading Room	1351	Metropolitan See of Malabar	1360
Topographical Description of		Vicariate Apostolic of Kottai-	
Palani Hills	1348	yam	1360

	Page		Page
Churches—continued.		Schools—continued.	
St. John's	1302	Mission, for Native Christians.	1276
St. Mary's (R. C.)	1302	S. P. G. Anglo-Vernacular	1300
St. Patrick's	1302	Wesleyan Mission Girls'	
St. Thomas'	1302	Boarding	1300
Wesleyan Mission	1302	Societies—	
College—		Church of England Temper-	
The Mahabub	1300	ance	1300
Clubs—		Friend-in-Need	1300
Secunderabad Social	1301	Prevention of Cruelty to	
Secunderabad Boat	1301	Animals	1301
The Deccan	1301	St. Vincent de Paul	1301
The United Service	1301	Topographical Description of	
Volunteer Institute	1301	Secunderabad	1297
Executive Engineer's Depart-		Trade List	1309
ment, Military Works	1300	Women's Workshop	1300
Independent Order of Good		TRIMULGHERRY:	
Templars—		Churches—	
List of Lodges—		All Saints	1307
"Deccan Pride," No. 54	1247	Wesleyan	1307
"Deccan Offspring" Juvenile		Independent Order of Good	
Temple, No. 32	1246	Templars—	
"Flower of Picket" Juvenile		List of Lodges—	
Temple, No. 6	1246	"Kamptee Brotherhood,"	
"Hope of India," No. 25	1247	No. 13	1247
"Hope of India Progress"		"Lindum Pride" Juvenile	
Juvenile Temple, No. 12	1246	Temple, No. 48	1246
Legal—		"Middlesex Primrose" Juve-	
List of Pleaders	1311	nile Temple, No. 3	1246
Libraries—		"Neillie's Pride" Juvenile	
The Albert Reading Room and		Temple, No. 51	1246
Library	1301	"R. A. United," No. 73	1247
The Railway	1301	Topographical Description of	
The Somasundram	1301	Trimulgherry	1306
Masonic Lodges—		MANGALORE DIRECTORY.	
"Keystone," No. 81, E. C.	1301	Bank—	
"Mayo" No. 1406, E. C.	1301	Branch of Madras Bank	1315
"St. John's Hill," No. 434,		Church—	
E. C.	1302	St. Paul's Church	1315
Royal Arch Chapter of St. John	1302	Lay Trustees of St. Paul's	
Medical—		Church	1315
List of Dentists	1310	Clubs—	
List of Medical Practitioners.	1310	Mangalore Book	1315
List of Midwives	1310	Mangalore Cricket	1315
Military—		Mangalore Golf	1315
Cantonment Magistrate	1298	Mangalore Roman Catholic	1315
District Staff	1298	The Inter-School Gymkhana.	1315
Hyderabad Volunteers	1298	The Mangalore	1315
Military Works Department.	1298	Colleges—	
Missions—		Mangalore	1314
Baptist Telugu	1302	St. Aloysius'	1314
S. P. G.	1302	District Board	1314
Public Offices—		Educational—	
Cantonment Magistrate	1298	Assistant Inspector of	
District Police	1299	Schools	1314
Government Telegraph	1299	Inspector of Schools, Western	
Jail Department	1299	Circle	1314
Postal	1300	Sub-Assistant Inspector,	
Registration	1299	Kasaragod Range	1314
Schools—		Sub-Assistant Inspector,	
Bai Mithibai Shakurji		Udipi Range	1314
Chonai A. V.	1300	Forest Department	1314
Brigade Orphanage and Eng-		Hospital—	
lish	1300	Women and Children's	1314

	Page		Page
Police	1345	SHEVAROY HILLS (YERCAUD)	
Political Officer	1345	DIRECTORY.	
Public Works	1345	Churches and Chapels—	
Revenue and Magisterial	1345	French Mission	1351
State Officers	1345	Holy Trinity	1351
State Offices—		London Mission	1351
Registration Department	1345	Lutheran Mission	1351
Revenue Survey Department	1345	Clubs—	
Salt, Abkari and Separate		Shevaroy Hills	1352
Revenue	1345	Yercaud	1352
Topographical Description of		Hospital—	
Puduskotai	1341	Victoria Jubilee, for Euro-	
TRICHINOPOLY:		peans and Eurasians	1354
Bankers	1346	Judicial—	
Churches and Chapels—		Deputy Tahsildar and Sub-	
Cathedral (R.C.)	1345	Magistrate	1351
Christ Church	975	List of Houses generally to Let	1354
Holy Redeemer (R.C.)	1345	List of Permanent Residents on	
Lady of Seven Dolours (R.C.)	1345	the Hills and around Yercaud	1352
St. John's Church	975	Library—	
St. Joseph's (R.C.)	1345	Victoria Rooms	1354
St. Xavier's (R.C.)	1345	Missions—	
Colleges—		Danish	1351
S. P. G.	1345	French	1351
St. Joseph's	1345	Leipzig Lutheran	1351
Independent Order of Good		London	1351
Templars—		Roman Catholic	1351
"Old Tenth" Lodge, No. 10,		School—	
Boer Camp	1247	London Mission	1351
Masonic Lodge—		Topographical Description of	
"Rock," No. 260, E. C.	1248	the Shevaroy Hills	1351
Medical	1345	Travellers' Bungalow	1354
Municipality—		TRAVANCORE AND KANANDEVAN	
Municipal Commissioners	1346	HILLS DIRECTORY.	
Municipal Councillors	1346	Agricultural Demonstration	
Railway Department	1346	Farm	1359
Reading Rooms—		British Government Institutions—	
Railway Institute, Trichy.		Munsiffs' Courts	1350
Fort	1346	Post Offices	1350
Railway Institute, Trichy.		Sub-Magistrates' Courts	1350
Junction	1346	Telegraph Offices	1350
St. Antony's	1346	British Residency	1356
Trade List	1345	Churches—	
PALANI HILLS DIRECTORY.		Christ, Travandrum	975
Churches—		St. Thomas', Quilon	975
American Mission	1351	Club—	
Roman Catholic Mission	1351	The Union, Travandrum	1360
St. Peter's	1351	Colleges—	
Club—		Girls'	1359
Kodakkal	1351	H. H. The Maharajah's	1359
Catchery	1351	Sanseri	1359
Dispensary	1351	Customs Department—	
District Board	1351	Customs Master	1360
Forest Department	1351	Superintendent of Customs	1360
Government Post Office	1351	Davanasu Department	1356
List of Houses on the Palani		Eccelesiastical Department—	
Hills	1349	Archbishopric of Verapoly	1360
Missions—		Bishop of Travancore and	
American	1350	Cochin	1360
Roman Catholic	1350	Bishop of Quilon	1360
S. P. G.	1351	Diocese of Travancore and	
Police Department	1351	Cochin	1239
Reading Room	1351	Metropolitan See of Malabar	1360
Topographical Description of		Vicariate Apostolic of Kotta-	
Palani Hills	1348	yam	1360

	Page		Page
Educational Department—		Observatory, Travandrum	1359
Inspector of Schools, Central		Palace Officers	1356
Range	1359	Peruvayal Department	1356
Inspector of Schools, Northern		Police Department—	
Range	1359	Divisional Assistant Superin-	
Inspector of Schools, Southern		tendent of Police	1360
Range	1359	Superintendent of Police,	
Forest Department—		Travancore	1360
Assistant Conservators of		Police Gardens—	
Forests	1360	Director of	1360
Conservator of Forests	1360	Public Works Department—	
Deputy Conservators of		Assistant Engineers	1359
Forests	1360	Chief Engineer	1358
Government Printing Press	1360	Executive Engineers	1359
Hospitals—		Overseers	1359
For Dispensary	1358	Sub-Engineers	1359
General, Travandrum	1358	Sub-Overseers	1359
Jail	1358	Supervisors	1359
Lunatic Asylum	1358	Registration Department—	
Maternity, Travandrum	1358	Director of Registration	1356
Residency	1356	Registrar of Joint Stock	
Talukad	1358	Companies	1356
Victoria	1358	Revenue Settlement Depart-	
Women and Children's,		ment	1356
Travandrum	1358	Revenue Survey Depart-	
Huzoor Chucherry Office	1356	ment	1360
Irrigation Department	1359	Ruler of the State	1356
Jail Department—		Salt Department	1357
Central Jail	1360	Sanitary and Vaccination De-	
Jamabundy Department	1356	partment—	
Judicial Department—		Sanitary Commissioner	1358
Court of Appeal from Special		Sanitary Officers	1358
Magistrates	1358	Superintendent, Central Vac-	
District or Zillah Courts	1358	cine Depot	1358
Division Magistrates' Courts	1357	Schools—	
Division Peishwars and		English Normal School	1359
Magistrates	1357	High School, Alleppey	1359
High Court of Travancore	1357	High School, Kottar	1359
Magistrate, Cardamen Hills	1360	High School, Parur	1359
Munsiffs' Courts	1358	High School, Quilon	1359
Special Magistrates for trial		High School for Girls	1359
of European Subjects	1357	H. H. The Maharajah's Ver-	
Kanan Devan Hills Produce		nacular High School for	
Co., Ltd.	1362	Girls, Travandrum	1359
Legal—		of Arts	1359
High Court Pleaders	1358	Reformatory School	1359
Sircar Vakils Department	1356	Vernacular High School,	
Sircar Vakils	1356	Parur	1359
Legislative Department—		Vernacular High School,	
President and List of Mem-		Travandrum	1359
bers	1356	Societies—	
Marine Department	1356	Church Missionary	1360
Marine Department—		London Missionary	1360
Master Attendant, Alleppey	1360	Stamps, Stationery and Records	
Master Attendant, Colachel	1360	Department—	
Master Attendant, Quilon	1360	Superintendent	1356
Masonic Lodge—		Topographical Description of	
"Minchin," No. 2719, Tra-		Travancore and Kanan Devan	
vandrum	1248	Hills	1354
Medical Department—		Trade List	1356
Darbar Physician	1356	Treasury Officer	1356
Medical Stores	1358	Uzjel or Sircar Post	1356
Military	1358	General Mofassil Trade List	1363
Mint	1356		
Museum	1359		

TABLE OF CONTENTS.

APPENDIX.

	Page		Page
Map of the City of Madras showing the Residence and principal Business Houses	1374	Act No. VII.—An Act to recognise and to effect a change in the constitution and designation of the territories formerly known as the North-West Provinces and Oudh	11
Rules for calling in Madras	1374	Act No. VIII.—An Act further to amend the Indian Tariff Act, 1894	13
List of Residents	1374	Act No. IX.—An Act to amend the Indian Paper Currency Act, 1900	12
Domestic Occurrences	1418	Act No. X.—An Act further to amend the Indian Emigration Act, 1883	12
Acts passed by the Governor-General of India in Council during the year 1902, applicable to the three Presidencies—		Acts passed by the Governor-in-Council of Fort St. George, Madras—	
Act No. I.—[Not applicable to Madras]	1	Act No. I.—An Act to consolidate and amend the law relating to the Court of Wards in the Madras Presidency	14
Act No. II.—An Act to make better provision for securing house-accommodation for Military officers in Cantonments	1	Act No. II.—An Act to declare that certain estates are impartible, and that the proprietors of such estates cannot exercise unrestricted powers of alienation in respect thereof	26
Act No. III.—An Act further to amend the Indian Steamships Act, 1884, and to validate certain certificates granted to Engine-drivers of Steamships.	3	Civil Rules of Practice, 1902	29
Act No. IV.—An Act to apply the provisions of the Indian Railway Companies Act, 1895, to certain Tramway Companies.	9		
Act No. V.—An Act further to amend the Law relating to Administrators-General and Official Trustees	9		
Act No. VI.—[Not applicable to Madras]	11		
Alphabetical List of Unrepealed Enactments			
Index			
Unrepealed Acts of the Government of India, applicable to the Madras Presidency	66		
Unrepealed Regulations of Government of Fort St. George, &c.	70		
Unrepealed Acts of the Government of Fort St. George, &c.	70		

ADVERTISEMENTS.

	Page		Page
A Form of Life Assurance (left hand cover).	[vi]	Oriental Telephone and Electric Company, (Limited)	[xvii]
Basel Mission, Calicut	[xii]	Pratt & Co.	[vi]
Branch Elphinstone Hotel	[xii]	Ragavaleo, O.	[xix]
Chartered Bank of India, Australia and China	[v]	Ramaswamy Naidoo	[xiv]
Commercial Hotel	[iii]	Ramsay & Co., Messrs.	[xx]
Connamara Hotel	[xii]	Salisbury Hotel	[xiii]
Outler, Palmer & Co.	[iv]	Singer Manufacturing Company.	[viii]
D'Angell, G.	[x]	Spencer & Co., (Limited), (Cigars)	[xi]
Elphinstone Hotel	[xii]	Stanes, T., & Co.	[ix]
Frankie Pestonjee Bhungara	[xvii]	Stanes, T., & Co.	[ix]
Fearn & Co., J.	[xii]	Standard Policies (right hand cover).	[xix]
Harrison & Co.	[ix]	The Buckingham Hotel	[xix]
Huson & Co., A. K.	[xix]	The City Stables, Madras	[xxii]
Lawrence Asylum Press	[xx]	The English Drug Company	[ix]
Leese & Co., J.	[xx]	The Guardian Press	[i]
Madras Equitable Assurance Society	[xv]	The Presidency Furniture Hall.	[i]
Massey & Co., (Limited)	[vii]	The Standard Life Office (left hand cover).	[xxii]
Mohamed Hussain, S.	[xix]	Victoria Family Hotel	[xxii]
National Bank of India (Limited)	[xvi]	Weile and Klien	[xii]

NOMINAL INDEX.

	Page		Page
A		Alagasingara Chariyar, M O	713, 1197
Abadie, Major-Genl. H R	83	Albrecht, Rev G W H T	1009
Abbey Naidu, V	1237	A'bridge, Major A R	114
Abbs, A C	718	Alexander, E B	102
Abdai Aziz Badsha Sahib	855	Alexander, A L	987
Abdul Hassan	90	Alexander, E S	900
Abdul Karim, T	1256	Alexander, H N	97
Abdul Lalih Sahib, Khan Bahadur	281	Alexander, Rev F W N	1041
Abdul Rahman Sahib, M	847	Alexander, Miss	1001
Abdul Ghafar Khan, Risaldar Major Bahadur	107	Allan, Asst Surg G R	637, 702
Abdul Rahman, M	1250, 1266, 1276	Allan, A	987, 992
Abdul Raymon Khan, Bahadur	101	Allan, Rev A L	1039
Abdul Subhan Khan	651	Allen, H J	1091, 1093, 1095, 1099, 1109, 1196
Abdul Rahman Sahib	160	Allen, P R	271
Abdul Subhan Khan Bahadur, H	760	Allen, B C	107
Abdur Rahman, Khan Bahadur, A F M	90	Alley, J P	286
Abdur Razak Sahib	1119	Allison, Lt.-Col H	690, 693, 694, 979, 1091, 1093, 1095, 1120
Abraham, A S	896	Allison, Lt.-Col. H, IMS	113, 637, 692, 1031, 1119
Abraham, Rev B	1017	Anable Subramaniaswamy, 1256	
Abraham, Rev I	1013	Aloisio, Signor D	979, 1031
Abraham, P	1009	Aloysius, Rev F M	951
Abraham, S	941, 1034	Alston, J	842
Abraham, S D	991	Alvarez, S E	879
Abraham Pillai, C	991	Ambalavanar, Rev C W	1013
Abraham, Rev S Y	823, 1171	Ambratten, Rev S.	1017
Acharya Pantala, P	344	Amir Ali	90
Achula Menon, O	716	Amirthalingam Pillay, K	879
Achutan Nayar, U	708	Amirthaswamy Pillay, Asst Surg P D S	705
Ackland, W F	879	Amoa, C	379
Aeres, A W	901	Amptail, Lady	1177, 1178, 1179, 1186, 1193
Acworth, Hon Mr G L	92	Amptail, Lord	83, 92, 682, 1090, 1178, 1186, 1190, 1198, 1199
Adam, J	154, 706, 1090, 1092, 1093, 1094, 1095, 1196	Ananda Charla, Hon P	88, 1091, 1099, 1198
Adamson, H	105	Rai Bahadur	1099, 1198
Adams, Miss V G S	640, 1121	Ananda Rao, A	1255
Adderley, Lieut A C	691	Ananda Rao, T	1253
Adie, W S	148, 200	Anandam, Rev M	1009
Adinarayana Iyah, M	148	Anantam, Rev D	1098, 1041, 1117
Adivayya, O	1019	Anantarama Aiyar, C S	242
Addis, N F	880	Anantarama Aiyar, T V	708
Agar, A P	759	Anantarama Aiyar, A N	709
Ager B	158	Anantarama Aiyar, V A	298
Ahmed Ali	1255	Anantasami Rao, L	1253, 1255
Ahrens, Rev N T	1028	Appu Sastry, Rao Bahadur, S	1091, 1093
Aikman, Hon R S	102	Arasajo, Rev J B M	981
Ainley, C W	1273	Arbuthnot, Lt J B	84
Allsworth, Asst Surg M	705	Arbuthnot, Hon Sir G G	92
Ajab Khan, Jemdr	197	Arbuthnot, H E V	88, 89
Akilandaya, C	712, 1240	Arbuthnot, P P	287
Akkayya, B	1010		
Akers-Douglas, Lt G A	88		
Alagarasantharam, Rev C T	1010		
Anderson, Rev M	1021		
Anderson, P G H	290		
Anderson, Rev Karl	1253		
Anderson, A R	902		
Anderson, Miss C	1179		
Anderson, J A	95		
Anderson, Hon J A	104		
Anderson, T K	712		
Anderson, Col C A	115		
Anderson, Capt H S	891		
Anderson, Col W R L	69		
Anderson, Major R F H	114		
Anderson, H A	104		
Andiacharry, N	379		
Andrade, J P	288		
Andra, Rev S	1004		
Andrew, Rev B	1011		
Andrew, B	1011		
Andrew, A	1038		
Andrew, J	182, 766		
Andrew, Rev Adam	1005		
Andrews, J B	299		
Andrews-Speed, Lt-Col	110, 158		
Andy, S	712		
Aggelo, Rev E M	951		
Ankayya, Rev N	1018		
Ankayya, P	1019		
Annachariar, P S	1183		
Annasawmy, B P	1276		
Annaswami Aiyangar, V S	299		
Annaswami Aiyar, A	709		
Annaswami Aiyar, E	703		
Annaswami Aiyar, S	149		
Annaswami Mudaliar, T V	901		
Anstey, Rev J O K	1036		
Anthony, Col A H	690, 693		
anson, Lt.-Col G W	102		
Anthony, A H	378, 100		
Anthony, P P	412		
Anthony, Ven.-Lt W S	704		
Antony, Rev V M	1023		
Antonymanayan, Rev M T	1028		
Anumaiyya, Rev M	1019		
Apoor, Hon J P	90		
Apar, Hon'ble A A	99		
Appa Rao, Ch	412		
Appa Rao, M	412		
Appadorai Mudaliar, A	1237		
Appadorai Mudaliyar, M E	713		
Appadorai Mudaliar, L	1257		
Appanah Rao, T	161		
Appaswami Chettiar, S	1181		
Appaswamy Pillay, P M	602		
Appavoo Mudaliar, A	1234		
Appava Chetti, Rev P	1005		
Apperya, K M	1253, 1257		
Appaya, C	1256		
Appundaram Pillai, N	602		
Appu Menon, K	1181		
Aravamuda Aiyangar, S	298		
Arbuthnot, Rev M	1021		
Arbuthnot, P G H	290		
Arbuthnot, Rev J B M	981		
Arbuthnot, Lt J B	84		
Arbuthnot, Hon Sir G G	92		
Arbuthnot, H E V	88, 89		
Arbuthnot, P P	287		

Page	Page	Page
Briethaupt, E M 987	Baint, Capt J M 116	Campbell, R L 900
Bright, W R 100	Bull, Rev E 953,986,988	Campbell, R 1251
Brigstocke, A M 890	Ballard, Rev E 1019	Campbell, Rev T V 1005
Brightwell, H 713	Bullen, Major J W 691	Campbell, Rev W H 1117
Brig Lall Ghose, Rai Bahadur 89	Bullock, F S 100	Campbell, Rev W H 1005,1038,1041
Brind, M J 403	Buller, Hon Lt J R L Y 88	Campbell, Capt J H 691
Brizdley, J J 298	Bunyan, G 1013	Campbell, Capt W MacL 92
Brito, C 148	Bunyan, J 978	Campbell, Capt W M 1195
Britten, Rev A 995	Buraz, Rev R 1004	Campbell, Lt-Col J C 84
Brittain, Rev Canon A H B 959,964,988,993	Burby, G 1232	Candy, C H 986
Broadfoot, R D 182,706,766	Burder, Rev J 1038	Candy, G H 161
Brook, L E 902	Burdett, Capt Sir F 84	Candy, Hon Mr E T 95
Brodie, N S 149,192,707,769	Burger, Rev S C 1009	Cannal, Sir A J L 857
Brodie, V A 176,706,766	Burgess, L M 976	Curdew, A G 194
Brodie-Mills, Vezey, Major, J 97	Burke, E H 378	Cardew, Lt-Col F G 89
Brodrick, Hon A G 857	Burke, Major J F 691	Cardono, H O C 1091,1093
Bromfield, Col F W 114,703	Burkitt, H H 228	Carey, C L 106
Brooke, Capt H M M 158	Burkitt, Hon W R 102	Carey, Capt W L J 168
Brooke, Capt V R 107	Burton, C H B 270	Carlos, Asst-Surg E H 703
Brookes, R M 298	Burn, Lt-Col A G 992	Carlyon, W S 771
Brooking, Major H 110	Burn, J G 210,266,766	Carmichael, C D J 759
Brough, Rev A W 1005	Burns, C L 97	Carmichael, G W H 901
Brown, G W 296	Burns, Miss C 1164	Carmichael, Miss W 1001
Brown, E J 299	Burns, B 412	Carnduff, H W C 88,89
Brown, Asst Surg A G 703	Burns, O 409	Carpentale, Major J M 115
Brown, Vety-Lieut E 704	Burnett, Surg Genl W F 88,114	Carland, F 83
Brown, G W 896	Burnett, Lt-Genl C J 1196	Carter, Sir G T 83
Brown, H C 712	Burroughs, C W 712	Carr-Calthrop, Col G W 107
Brown, (Lt., R.N.R.) H S 771	Burrows, T 1326	Carr, Miss E 1117
Brown, H S 766	Burt, H P 714	Carr, Miss E 1117
Brown, Capt H R 699	Burton, E F 714	Carr, Miss F E 1178
Brown, C 104	Burton, F H 164	Carr, A J 1040
Brown, H W M 298	Burton, G W 987	Carr, F E C 768,767
Brown, I 298	Burton, Lt-Col J A 696	Carr, R C C 149,190,766
Brown, Major A T 114	Burton, W 712	Carr-White, Major P 637
Brown, Asst Surg J 701	Bustanaz, V 1010	Carr-White, M B C 1163
Brown, Rev J G 1021	Burwell, Capt F R 621,692	Carrapatt, S E 1177
Brown, J M 979,1081,1106,1109	Butterfield, W R 102,153	Carrapatt, S E 1177
Brown, K 712,1091,1092,1093,1095	Butterworth, A 196,766	Carriappa, K 1152
Brown, M 100,272	Batrick, Rev J B 1014,1025,1030	Carson, C W C 290
Brown, S T 651	Byrne, P 97	Carruck, Hony Lieut F J 701
Brown, Capt F W 762	Byrne, J 894	Carruck, Asst Surg F F 708
Browne, Lt-Col W R 110, 637,692,693,694,1199, 1091,1094,1096,1119, 1120,1198,1222	C	Carroll, Hony Lieut G T 701
Browne, Lt-Col S H 88,104	Cabral, Hony Capt A L 700	Carroll, T S 376,169
Browie, Capt F D 699	Cair, Rev J 1088,1041	Carroll, C 977
Browning, Lt-Col W B 639, 690,693,695,1119, 1120,1222	Calder, D 1199	Carruthers, Col H St C 153,692,693
Browning, C H 107	Calder, J D L 158	Carruthers, Mrs 1178
Bruce, Sir C 84	Calder, J G 162,161	Carruthers, W R 846,851,1198
Bruce, Sir G B 900,901	Callaghan, H W 1199	Carriana, Capt A J 108
Bruce, A B 102	Callaghan, Asst-Surg G M 703	Carman, Asst Surg S A 702
Bryant, F B 104	Cama, Lt-Col E H 695	Carvalho, F L 291,248
Bryant, J F 212,766	Cameron, J 1255,1273	Cary, S B 881
Bryant, S 901	Cameron, Rev F E 953,962	Cashmere, J A 412
Bryning, W J 291	Cameron, E J 89	Casio-Chitty, J J 712
Bryson, Capt R 700	Campbell, A W 352	Cassin, J 1012
Buchanan, S G 761	Campbell, A 900	Casson, K 156
Buchanan, Major, W J 100	Campbell, A Y G 161,766,214	Caster, Major R H 696
Bucher, Rev J 1004	Campbell, C O 900	Catania, Capt T 766
Buckland, Honble C E 99	Campbell, Mrs E 1178	Cave-Browne, W C 901
Buckley, A A 158	Campbell, Col D McN 1061	Chadwick, D T 226
Buckley, C H 842	Campbell, H N C 846	Chakrapani Rao, R 632
Buckley, L E 194,766,1249	Campbell, R H 149,190,766	Chakravarti, J S 291
	Campbell, Major O P 115	Chakrawarti Iyengar, P 411
	Campbell, J 102	Chamberlain, W J 1062
	Campbell, Bt. Col J C L 85	Chamberlain, Rev L B 1006
		Chamberlain, Rev J 1006
		Chambers, G L 846,851
		Chamier, E M D C 103

Page	Page	Page
Chabrier, D 154,706,713	Christie, J 766	Chalkers, A B 288
Chamier, W 398,762	Christopher, Major-Genl L W 108	Challen, Lieut-Col E H 673,689
Chandavarkar, Hon N G 95,1196	Chubb, C H 900	Collin, Honble F W 99
Chandler, Rev J S 1015,1039, 1041,1117	Chunder Naarin Singh Bahadur 99	Collins, J P 396
Chandra, B L 100	Chunder Nath Bose 100	Collins, Asst-Surg R 638,701
Chandran, Rev S 1017,1028, 1038	Churchill, Rev G 1023	Collis, E A 901
Chandrasekara Aiyar, C 706	Churcher, Bt-Major G W 84	Colganova, A B 298
Chandrasekara Iyer, K 1254	Chute, Rev E 1025	Colton, Rev J 1015,1041
Channigaraya, H 1232	Chuni Lal 290	Colville, J 900
Chandik, N 1196	Chure, Rev J E 1008	Coman, The Honble T 102
Chapman, S F 914	Clair, Hon St L W 206	Conbridge, E 903
Chatterjee, R C 290	Clancey, J C 105	Compton, Major E 109
Chappan Menon, V 230	Clapham, J 1258	Conolly, J F 103
Chappel, H E 409,410	Clapton, Sergt A O 158	Coningham, F E 769
Charsley, W H 842	Clark, Hon W O 104	Connor, Hony-Lieut T A S 701
Chatterji, Hon P O 104	Clark, A M 876	Connor, W A 298
Chatterjee, Lt-Col N 696	Clark, Rev A 1015	Conran, Lieut W D B 158
Chatterji, A C 419	Clark-Kennedy, Lt-Col A H 109,158	Conran, J H M 163
Chatterton, A 1091,1094,1095, 1097,1109,1157,1193	Clarke, Bt-Col Sir G S 88	Conrac, J H M 986
Chatterton, W H H 299	Clarke, Vety-Capt A E 704	Conway, E G 411
Chatre, C G 292	Clarke, A H 294	Conyghere, H C A 102
Challappa Sastriar, T V 160	Clarke, Rev C W A 149,1091, 1092,1116,1162,1165	Coode, J M 107,409,410
	Clarke, H S 842,987	Cook, Rev A E 1025
	Clarke, T 987	Cook, J 1081,1082,1264, 1268,1270,1272,1274,1090, 1092,1094
Chelvan, E A 961	Clarke, T C 154,706,751	Cook, Capt E B 114
Chella Venkata Naras- aya 712	Clarke, Mrs 1001,1193	Cooling, Rev J 930,1012,1085, 1041,1090,1092
Chelavareya Moodaliar, A B 1276	Clarke, Rev W D 978,993, 1038,1041	Coombs, E E 97
Chelvakavayana 89	Clarke, E H S 89	Coombs, J R 160,236,529, 1163,1177,1193,1196
Chellamudaliar, T 1181	Clark, W E 150,764	Coombs, J T 978,1217
Chellavangaraya, J 1142	Clarke, W E T 708,711,765	Coombs, J W 966,1157
Chenchiah Chetty, P Y 1126	Clarke, Lt-Col J W 97	Coombs, V W 379
Chendrasekhara 106	Clague, W G 292	Cooper, T R 887
Madaliar, Asst-Surg S 703	Clay, Major C H 108	Cooper, Capt E A 113
Chengalvaya Aiyar, T S 246	Clay, H M 1165	Cooper, Asst Surg W H 701
Chengalrai Madaliar, P 1258	Clayton, Rev A C 1905	Cootah, K 1251
Chengalraiy Naidu, C 1267	Clagg, R B 188,766	Corkery, J H 106
Chenaya, H 1251	Clemens, Rev M 1263	Copcutt, G W 412
Chermide, Sir H C 1251	Clements, Capt R W 691	Cope, Condr E 284
Major-Genl 83	Clark, H E 270	Copsey, Rev R Y 1007
Chinnappa, Rev G 1019	Cleburn, Lt-Col J 103	Corfield, N 159,771
Chingia Chetty, M 1255	Cleveland, Major H F 114	Cornelius, Rev S D 1217
Chenjeri Krishna Rao, 1265	Cleveland, C B 107	Cornwall, J 103,878
Chester, E J 107	Clifford, R A 900	Cornwall, Capt J W 166,160, 693,699,1120,1121,1196,1221
Cheverton, Lieut A 155	Clifford, Hony-Lt W J 157	Cornwell, F W 282
Chinnatambi Pillai, K 1162	Clifford, The Rt-Rev A 103	Correa, Rev M D 981
Chinnasawmy Aiyangar, C R 285	Cline, G W 712	Cosby, W T A 766
Chinniah, S 1012	Clogston, C G W 759	Coshan, Asst Surg F W A 702
Chinniah, R F 1090,1094	Cloney, G 762	Coshan, J 895
Chudhuri, Capt M N 700	Clothier, Lieut-Col R F 980	Cotayya, I 1012
	Cloha, Rev J E 1017	Cotayya, J P 1091,1098, 1095
	Cobb, H V 101,100,766	Cotalingam, Mrs L 1176
	Cocham, R G 846	Cotterell, C B 222,762
	Cochden-Ramsay, L E B 99	Cotterell, W 766
	Cochran, Mrs 1173	Cotton, C W E 222,987
Chitty, C W 96	Cockburn, G H 761	Cotton, Hon H J S 57
Chobidas, K 97	Cockledge, Sub Condr S 188	Cotton, J J 266,706,766
Chockalingam Pillay, A 603	Cockell, W F 876	Couchman, M R 97
Cholmeley, N G 105	Cocks, Major H 691	Cousens, H 97
Chopwar, R C 104	Cocko, J A 1257	Cowan, Capt J 691
Choorayappa, Rev S 1024,1117	Cole, Rev J 1006	Cowper, Major M 103
	Cole, P C 900,908	Cowdell, A S 713,1033
Choet, Capt G 1275	Cole, Major-General R 993	
Chree, Rev W 979,1031, 1032,1163	Coleman, G D 152,847	
Christian, Rev J 979	Coleman, F A 212,766	
Christian, Rev W 1022	Colgan, The Most Rev J 981,1090,1092,1196,1223	
Christie, A H 901		

	Page		Page		Page
Gundappa,	1259	Hannington, F	222,766	Har, Surg-Genl G W	
Gupta, Hon B L	90	Hannington, P	760	H	105,160,692,1249
Gunter, E E	410	Hansen, Rev N P	1008	Haves, J W	711
Garaviah, Rev A	1019	Hannan Singh, C G	1257	Hawes-Smith, Sir W F	88
Gupta, K G	99	Hannanta Rao, C	238	Hawes, Rev H C	1015
Garavaya, G	1019	Hannamanta Rao, E	652,1091	Hawelkon, Vety-Major	
Gangathara Chetty, V	1276		1092,1094,1101,1146	E H	114
Gurubatham, P	1022	Hannamantla Row, M	1251	Healey, Major C W R	691
Gurumurthi Ayya, P S	706	Hannamantla Row, S E	1257	Heaney, J S	766
Guru Rao,	1259	Hannamantla Rao, Pantulu		Hearsey, T N	1251
Garunatha Pillai, V S	161	H	709	Heaton, Mrs	1175
Guruvaiyya, B C	1012	Hardey, Capt O R	1242	Heaton, W	979,1038
Gwynn, Capt W P	691	Harding, H O D	192,766	Hebbert, H R	379
Gwynne, J H	238	Hardiman, J P	290	Hebbert, F B	102
Gyfford, W	90	Hardy, Hony Capt C R	150	Hechle, J H	90
		Hardy, Rev J	1023	Heaney, J S	214
		Hardy, J W	984,991,1268	Hedgcs, W	90
		Hardy, R G	102	Hedgcs, R	90
		Hardy, Capt W K	115	Heelis, Rev T	1098,1098
		Hardy, G W	1063	Hofferman, Capt H W	976
		Hare, L	100		986,110,153,156
Hackett-Wilkins, Lt-Col		Harrington, Lt-Col H		Heimer, Rev F R	1005
T J	694,991,1326	N V	696	Hemming, Sir A W L	63
Haden, R L	298	Harriman, Capt A E W	85	Hemmingway, F R	230
Hajih, Rev H	1028	Hazme, Rev H	1020	Hely-Hutchinson, Hon	
Hajig, Major T W	100	Hazme, Rev H	1020	Sir W F	84
Haines, Rev W P	1023,1040	Hazme, Rev H	1020	Hemley, J	879
Hajee Mohamed Abdul		Hazme, Rev H	1020	Henderson, Lt-Col F	765
Azeez Badsha Sahib	152,	Hazme, Rev H	1020	Henderson, H B	714
846		Hazme, Rev H	1020	Henderson, J R	979,1031
Hajee Ismail Saib,	1276	Hazme, Rev H	1020		1090,1092,1094,1095,1116
Haji Mahazunad Abdul		Hazme, Rev H	1020	Henderson, Mrs J R	1192
Hadi Badsha Sahib	835,847	Hazme, Rev H	1020	Henderson, Hon G S	90
		Hazme, Rev H	1020	Henderson, W P	403,410
Hakim, Lt-Col H M	696	Hazme, Rev H	1020	Hendley, Col S H	100
Haldwell, E	287	Hazme, Rev H	1020	Hendricks, Hony-Capt W	700
Halge, Mrs F	650	Hazme, Rev H	1020	E	284
Halbrook, Capt E R St		Hazme, Rev H	1020	Hendricks, J R	1019
G	174	Hazme, Rev H	1020	Henry, Major-Genl G	108
Hal, A A	1091,1092,1095,	Hazme, Rev H	1020	Hephurns, Brig-Genl	
1098,1108		Hazme, Rev H	1020	R G W	103,156
Haller, G	1251	Hazme, Rev H	1020	Henry, Rev K	1025
Hall, Capt S O	691	Hazme, Rev H	1020	Hensley, J W	409
Hall, C E	102	Hazme, Rev H	1020	Heseltine, H N	289
Halifax, C J	104	Hazme, Rev H	1020	Hensman, E F	292
Hall, Col J C	148	Hazme, Rev H	1020	Hensman, E J	148
Hall, R L	842	Hazme, Rev H	1020	Hensman, E S	602,978,983
Hall, S	105	Hazme, Rev H	1020		991,1008,1041,1217
Hall, Hon W T	751	Hazme, Rev H	1020	Hensman, Mrs	1001
Hamilton, F A	84	Hazme, Rev H	1020	Hensman, J J	162,978
Hamilton, Major A E	107	Hazme, Rev H	1020	Hensman, J M	1100,1091
Hamilton, Bt-Col H I W	107	Hazme, Rev H	1020		1932,1094,1097
Hamilton, Capt A S	108	Hazme, Rev H	1020	Hermank, Rev J	1004
Hamilton, N A W	766,771,996	Hazme, Rev H	1020	Hermank, Rev C	1017
Hamilton, R E	105,957	Hazme, Rev H	1020	Heron, Rev J	978,1031,1032
Hamilton, R E	280	Hazme, Rev H	1020	Herrick, Rev D S	1015
Hamrick, M	92,161,178,766,	Hazme, Rev H	1020	Herrick, J	980
	1249	Hazme, Rev H	1020	Heseltine, E H	89
Hanaya, C	106	Hazme, Rev H	1020	Hess, F R	867
Hammond, Capt F A L	696	Hazme, Rev H	1020	Hesterlow, Hony-Capt	
Hamlin, Asst-Surg A E	703	Hazme, Rev H	1020	J N	700
Hammett, G	1249	Hazme, Rev H	1020	Hesterlow, Asst-Surg A	
Hammett, F H	150,707,766	Hazme, Rev H	1020	J	705
Handcock, G F	271,232	Hazme, Rev H	1020	Hewett, Hon Mr J P	106
Handcock, E J	900	Hazme, Rev H	1020	Hewetson, Capt H	691
Handley, A P	90	Hazme, Rev H	1020	Hewetson, J	980
Handmann, Rev A O R	1023	Hazme, Rev H	1020	Hewetson, E H	89
Hankins, Rev J S	1074	Hazme, Rev H	1020	Hewett, J S	410
Hankins, J A H	387	Hazme, Rev H	1020	Heycock, Rev F W	954,969
Hankins, D W	1119	Hazme, Rev H	1020		988
Hankins, G A H	160	Hazme, Rev H	1020		
Hankins, Asst-Surg		Hazme, Rev H	1020		
R F H	702	Hazme, Rev H	1020		
Hannay, A L	146,154,204,	Hazme, Rev H	1020		
	706,766,1199	Hazme, Rev H	1020		

	Page		Page		Page
Hickey, F G	987	Houghton, B	185,766	Itty, Rev T K	979,1013
Hickling, R A	1024	Houston, Vety-Lieut R F		Iyathoray Pillay, E A	603
Higman, H W	901	St C	704	Izat, Hon A	880
Higgins, A W B	174,766,991,	Howley, W J J	271,281		
	1186,1193,1196	Howard, W J	96		
Higgins, Mrs A W B	1186	Huber, F	1039		
Higgins, Rev W V	1007,1029	Hubert, Rev A J	1025	J	
Higgs, C J	903	Huddy, Rev S F O	1170,1192	Jackson, Sir H M	83
Hilliard, Col W E	109	Hudson, Capt J H	109	Jaeger, Rev A	1021
Highton, W T	842	Hudson, E J B	403,410	Jackson, Mrs	1193
Hill, Hon C H	90	Huddleston, G	879	Jackson, A D	847,851,1224
Hill, S C	83	Huggins, J R	224	Jackson, Asst-Surg S G	702
Hill, C H A	94	Hughes, Hon W C	95	Jackson, C W L	96
Hill F H	847	Hughes, J W	206,707,756	Jackson, G H B	224
Hill, Hony-Major T H	108	Huizanga, Rev G T	1013	Jacob, F G	291
Hill, R	154,235,1033,1038,	Hukam Singh Risaldar-		Jacob, Rev S	1016
	1186,1192,1193	Major	88	Jacob, Rev S	1021
Hill, Col E C	109	Hulbert, Capt J G	114	Jacob, G	96
Hill, Major-Genl W	103	Hultzach, E	1091,1092,	Jacques, J L	248
Hiller, Rev E	1017		1094	Jaganatha Pillay, A	1257
Hinkley, Rev R W	1002	Humphreys, R	1094	Jaganatha Rao, Dewan	
Mia Oung	290	Hunt, F J R	713,767	Bahadur, Y	1090,1092
Hoare, W E	1041,1091,	Hunter, M	106,1091,1093,	Jaganannadham Pantulu, T	236
	1093,1116,1165		1993,1101,1108	Jaganannadham Pantulu, T	236
Hoch, Rev M	1039	Hunt, R	1199	Jaganannadham Pantulu, T	236
Hodding, Lt-Col J	99	Hunter, W B	842	Jaganannadham Pantulu, T	236
Hodding, F	299	Hurst, J H	292	Jaganannadham Pantulu, T	236
Hodges, R W	410	Husain Ali Khan, Sirdar		Jaganannadham Pantulu, T	236
Hodgson, L C	149	Bahadur, Hony Capt	107	Jaganannadham Pantulu, T	236
Hodgson, Sir F M	89	Hutchins, Lt-Col H L	109	Jaganannadham Pantulu, T	236
Holland, C J	412	Hutchins, S H C	409	Jaganannadham Pantulu, T	236
Hoffmann, Rev F E	981,1192	Hutchinson, The Hon	103	Jaganannadham Pantulu, T	236
Hoffmann, Rev H B	1005	Col J B	103	Jaganannadham Pantulu, T	236
Holdsforth, Major J J	88	Hutton, W	272	Jaganannadham Pantulu, T	236
Hole, Rev C	1039	Hyde, H T	101	Jaganannadham Pantulu, T	236
Hole, Rev K	1017,1028	Hyde, Rev H B	935,954,968,	Jaganannadham Pantulu, T	236
Holland, R E	216,766		990	Jaganannadham Pantulu, T	236
Holland, Comdr G E	105,	Hyde, Mrs	1193	Jaganannadham Pantulu, T	236
	104			Jaganannadham Pantulu, T	236
Holland, W H	862			Jaganannadham Pantulu, T	236
Hollister, Rev W W	1025			Jaganannadham Pantulu, T	236
Holman, H	1249			Jaganannadham Pantulu, T	236
Holmes, W C	766			Jaganannadham Pantulu, T	236
Holmes, Vety-Lieut R H	704			Jaganannadham Pantulu, T	236
Holmes, W F	766			Jaganannadham Pantulu, T	236
Holmes, H E	842			Jaganannadham Pantulu, T	236
Holloway, Major, B	89			Jaganannadham Pantulu, T	236
Holton, Rev E P	1015			Jaganannadham Pantulu, T	236
Holton, Condr W H	160			Jaganannadham Pantulu, T	236
Home, J	379			Jaganannadham Pantulu, T	236
Hood, Rev W G	981			Jaganannadham Pantulu, T	236
Hooper, Comdr C W R	159,			Jaganannadham Pantulu, T	236
	771			Jaganannadham Pantulu, T	236
Hooper, A M	847			Jaganannadham Pantulu, T	236
Hooper, The Hon J	102			Jaganannadham Pantulu, T	236
Hooper, E D M	151			Jaganannadham Pantulu, T	236
Hooper, R A A	410			Jaganannadham Pantulu, T	236
Hoosain, N	991			Jaganannadham Pantulu, T	236
Hooper, W F	711			Jaganannadham Pantulu, T	236
Hope, T C	346			Jaganannadham Pantulu, T	236
Hope-Ross, Mrs	1177			Jaganannadham Pantulu, T	236
Hopkins, G A	410			Jaganannadham Pantulu, T	236
Hopkins, Rev W E	1025			Jaganannadham Pantulu, T	236
Hopkins, R H H	97			Jaganannadham Pantulu, T	236
Horlick, Hony Lieut G	158			Jaganannadham Pantulu, T	236
Hormusji Nowroji	101,1091,			Jaganannadham Pantulu, T	236
	1094			Jaganannadham Pantulu, T	236
Horden, H R	842			Jaganannadham Pantulu, T	236
Horne, V O	154,156,758			Jaganannadham Pantulu, T	236
Horn, Hon'ble D B	99			Jaganannadham Pantulu, T	236
House, H F	102			Jaganannadham Pantulu, T	236

	Page		Page
Jeevarathnam, Rev M L	1005	Kalappa, P	1252
Jobbins, W H	100	Kalappa Chetty, P	379
Jogiah, P	379	Kalbarer, L L	157
Johansson, Rev A	1016	Kallam, V D	1094
John, Rev A R	981	Kallat, Rev S	1017, 1028
John, Rev B	979, 1031, 1032	Kamraj, G	412
John, Rev E V	1038	Kamaraj Nayar, B	708
John, Rev G K	1015	Kanaka, Rev J	1020, 1028, 1038
John, Rev J	1006	Kanakasabhai Pillay, V	379
John, J	1013	Kanakayya, Rev N	1017
John, P K	1162	Kanayya, P	1018
Johnson, Major A C B	114	Kandasami Chetty, O	1162
Johnson, Col W E	169, 692, 693	Kangayam Pillay, N E	157
Johnson, A	696	Kannan Nambiar, A C	708
Johnson, C T H	216, 766	Karney, Miss	1176
Johnson, G	1193	Karunkara Menon, K V	709
Johnson, W H	1275	Karve, V H	1280
Johnston, J C	270	Katchapadaswara Aiyar, A	246
Johnston, J E	298	Kaundinya, A H	298
Johnston, Miss M	637	Kearns, A S	297
Johnston, Major C A	697	Keane, Capt Sir J	84
Johnston, Rev S H	988, 990, 1040	Keess, W	652, 1091, 1092, 1098, 1116, 1142
Jolly, C O	410	Keeling, H T	271, 286
Jonah, Rev V	1012	Keightley, B	1195
Jones, Col R G	101	Keith, W J	105
Jones, Mrs	1177, 1192	Kelawala, Lt Col M J	696
Jones, Rev A J	953, 960, 985, 1267	Kellott, Rev F W	1013, 1038, 1065
Jones, A M	766, 1249	Kellott, Rev F W	1013, 1038, 1065
Jones, J A	161, 286, 1090, 1094	Kelly, J	284
Jones, Rev A J	1276	Kelly, Rev K	1019
Joner, J C	159	Kelly, W A St L	878
Jones, M E N	410	Kelu Eradi, U	709
Jones, O R	151, 758, 762, 766	Kelunni Nambiar, P	712
Jones, Lt-Col E G	1253	Keimber, Miss	1001
Jones, R L	157, 1091, 1092, 1094, 1098, 1116, 1196	Kennedy, R	96
Jones, Lt-Col J M	690	Kennedy, R M	96
Jones, Rev J P	1015	Kennaway, F W	104
Jordan, P A	987	Kenny, Major H T	89
Joseph, Rev B	1011	Kenny-Herbert, Capt	85
Joseph, H G	178, 707, 766	A H C	85
Joseph, I	1009	Kensington, H R	714
Joseph, Rev N	1010, 1032	Kensington, Hon A	104
Joseph, Rev O	1038	Keene, G H	289
Joseph, P	1008	Kenyon, E A	97, 400, 410
Joseph, P C	1008	Kenyon, J H	290
Joseph Reddi, R	539	Kepler, Rev C	1004, 1028
Joseph, Rev S	1009	Ker, C D	861
Joseph, Rev S P	981	Ker, G D	842, 1198
Joseph, Rev T	1022	Kerajee Row, M	879
Joseph, S P	412	Kernan, J G	154, 796, 712, 751
Joshua, J	1010	Kerr, C A	162
Joss, Rev W	1024	Kershasp, P	212
Joscelyne, D	99	Khatja Khan Sahib	155, 1110, 1117
Joscelyn, Mrs	1178	Khan Bahadur Khan, Risaldar Major, Sir	107
Joscelyn, J	713, 1197	Qar Bahadur	107
Joyce, U N	284	Khare, The Hon D A	95
Jubert, Col C H	103	Kharegat, M R	161, 272
Judhir Thapa, Hon-Capt Bahadur	107	Kharadji, K M	96
		Kiddle, Asst Surg T	701
		Kimber, H	900, 901
		Kinkaid, Capt W A S	881
		King, R C H Moss	1249, 1251
		King, A G	1270
		King, A R	95
		King, E G	987
		King, Mrs	1177
Kabis, Rev J E A	1014	King, H C	291
Kadam Khan, Risaldar, Sirdar Bahadur	107	King, H C	713, 733, 847
Kadari, Rev G H	1025	King, Asst Surg G H	703
		King, Asst Surg H W G	701, 702
		King, Lt-Col W G	160, 692, 693, 694, 1091, 1094, 1095
		King-Harman, Sir C A	84
		King, Rev W L	1025, 1040
		Kincaid-Smith, Lieut-Col R	986
		Kirkman, W G	159
		Kirkpatrick, Capt H	687, 693, 700, 1120, 1121
		Kirkpatrick, H C	96
		Kirkpatrick, T	842
		Kirkpatrick, V J	96
		Kirwan, Lt-Col A W B	88
		Kisch, H M	100
		Kitchener, Lord H H	107
		Kishnasawmy Moodelly, R	896
		Kitchen, F	379
		Kite, R W	296
		Kitchner, Rev B	107
		Kluge, Rev H	1021
		Kluner, Rev E L	1263
		Knapp, Capt K K	108
		Knapp, A R	161, 202, 766
		Knight, Very-Capt H V	704
		Knott, H W	603
		Knowles, E	637
		Knox, Capt A W F	88
		Knox, Hon G E	102
		Kodan, Rev T C	1017
		Kohl, Rev J	1268
		Kodandapani Moodelliar, A V	1258
		Kolandaswami Mudaliar, T	160
		Koiatkar, J D	95
		Kondayya, A	1018
		Kondayya, B	1011
		Kotayya, Rev B	1010
		Kothanda Ramanjulu Nayudu, G	710
		Kothandarama Aiyar, K S	709
		Kothar, Rev W	1019
		Kotiah, B	1012
		Kotiah, I	1012
		Krishna Aiyangar, B	714
		Krishna Prabhhu	1101
		Krishnayya, D	265
		Krishna Aiyar, T S	709
		Krishna Iyer, K	1255
		Krishna Aiyar, V	532
		Krishna Aiyar, C S	709
		Krishna Bhotavadekar, The Hon Sir B	95
		Krishna Murti, V V	1255
		Krishna Menon, A V	288
		Krishna Menon, K P	712
		Krishna Prabhhu, G	1142
		Krishna Rao, B	709
		Krishna Rao, G	1255
		Krishna Rao, H	411
		Krishna Rao, J	713
		Krishna Rao, K	706, 1217
		Krishna Rao, M G	709, 710
		Krishna Rao, P	286
		Krishna Rao, P S	101, 1276

	Page		Page
Krishna Moorti, P N	1253	Kuppuswami Aiyangar, T R	709
Krishna Rao, Y	710	Kuppuswami Aiyar, C	298
Krishna Row, P S	1250, 1253	Kuppuswami Aiyar, C G	708, 1116
Krishna Row, L	1256	Kuppuswami Aiyar, V K	709
Krishna Sastriar, M	1181	Kuppuswami Chetty, M	1197
Krishna, B V	379	Kuppuswami Mudali, A	623
Krishnama Chariyar, Dewan Bahadur V	602, 652, 1090, 1092, 1094, 1196, 1118, 1114, 1115, 1116, 1117, 1181	Kuppuswami Mudali, T	1257
Krishnama Chariar, K	708, 709	Kurtz, Rev F	1010
Krishnama Chariyar, S	714	Karyan, Mathan	1256
Krishnama Chariyar, Rao Saib S	153, 272		
Krishnamma, O S R	713	Labadaya Ram Mohun Roy	713
Krishnamachariyar, S	149	Lace, J H	100
Krishnamurti Aiyar, Asst-Surg S	705	Lacey, J M	272
Krishnamurti, P N	1091, 1093	Lafrenais, Asst Surg C	89
Krishnan, C	712, 1196	Lafrenais, Rev H F	1008, 1039
Krishnan, K	710	Lahan, Rev B	1010
Krishnan, M	162, 1092, 1093, 1094, 1116, 1117	Lake, G M	151
Krishnan Nayar, K	258	Lake, Vety-Lieut B L	704
Krishnaswami Aiyangar, A	296	Lakshman Row, Lakshmana Chariar, M	1259
Krishnaswami Aiyar, C	248	Lakshmana Rao Pantulu, N	710
Krishnaswami Aiyar, Rao Bahadur A	151, 758, 762, 766	Lakshmana Row, Dewan Bahadur K V	236
Krishnasawmy Aiyar, R	709	Lakshmanan, Asst-Surg P N	705
Krishnaswami Chetti, P Y	148, 1181, 1198	Lakshmanaperamall Pillai, Asst-Surg T	705
Krishnaswami Nayudu, C	240	Lakshmayya, B	1013
Krishnaswami Naidu, M	379	Lakshmayya, Rev G	1010, 1019
Krishnasawmi Nayudu, T	710	Lakshmanaswamy, G L	1257
Krishnasawmi Naidu, T N	158	Lakshminarasimha Rao Pantulu, S	242
Krishnasawmi Pillai, T	158	Lakshmi Narayana Rao Nayudu, J	710
Krishnaswami Rao, C	708	Lakshminarasu Pantulu, P	709
Krishnaswami Rao, Dewan Bahadur K	1090, 1093	Lakshminarasu Naidu, P	1162
Krishnasawmy, Miss E	1237	Lakshminarasayya, Rev N P	1018
Krishnaswamy Chetty, M	879	Lakshminarasayya, G C	1277
Krishniah, S	1183	Lal Khan, Risaldar Major, Sirdar Bahadur	113
Krishniah, P O	1183	Lala Bai Nath, Rai Bahadur	103
Kruger, J H W	153	Lala Achru Ram	1019
Kruger, Rev H	1003	Lala Chuni Lal	1089
Kruger, Rev H	1019	Lala Sri Ram	1016
Kuhn, H	1019	Lal Kaka, C J	1028
Kuhule, Rev G	1016	Lalor, Capt N P	699
Kuhule, Rev J G	1028	Lamb, Lt-Col C A	86
Kumarasawmy Naick, B J	1235	Lamb, Rev F	1020, 1040
Kumaravelu Iyer, C	412	Lamb, M H M	299
Kun Kyi, The Hon	105	Lamb, W	842
Kundasawmy Mudaliar, C	638	Lambert, F G	880
Kuppuswami Naidu, V	1181	Lambert, G P	252
Kuppusawmi Aiyangar, K R	299	Lambert, G B	987, 270
		Lambie, Mrs E J	640
		Lambourne, Mr T	162
		Lancashire, J K	290
		Lancaster, Lieut-Col J	694
		Lander, Lieut E P	691
		Landon, G E	410
		Landon, C	410
		Lane, Capt H P	985
		Lane, G W	780
		Lane, W	96
		Langston, A C	271
		Larkins, A B	409
		Larsen, Rev A	1003
		Lash, Rev A N	1039
		Lascelles, F H	712
		Laskey, Sub Cond W W	157
		LaTouche, Hon'ble J J D	191
		Lauffer, Rev J	1016
		Laurie, H M	106
		Lavelle, G	1263
		Laville, B	291
		Law, Hon Sir E F	97, 259
		Lawley, Hon'ble Sir A	89
		Lawder, E J	986
		Lawford, Col E E M	113
		Lawrence, J	284
		Lawrence, Asst Surg T C	701
		Lawrence, W R	88
		Lawson, Vety-Major, E J	85
		Lawson, A E	861
		Layard, L E W	842
		Lazar, Rev I	1002
		Lazarus, E C M	1020
		Lazarus, Rev J	1014, 1038, 1041, 1091, 1093, 1116, 1117, 1217
		Lazarus, K	1013
		Lazarus, T	1008
		Lazenby, Rev H T	1021
		Leach, Brig-Genl J	114
		Leach, E A	400, 410
		Leavers, W	286
		Lechler, W I	1040
		Lee, Lt-Col W A	694
		Leech, A J	847
		Leechler, C G	987
		Leeming, H W	997
		Lees, R O	104, 409, 410
		Lees, Vety Lt-Col K	109
		Leet-Palk, Capt C H	690, 698, 1020, 1121
		Leet-Palk, Mrs	1178
		LeFaucheur, J	151
		Lefroy, Rt Rev G A	104
		Leggatt, B C	760
		Legge, R H	1269
		Legge, J D	288
		Legh, E W	216
		Le Hunt, G R	83
		Leighton, D E W	847, 851
		Leigh, F	104
		Leigh, Lt-Col H P P	104
		Leith, Rev D G M	1175
		Leiby, Hon Mr F S P	95, 96
		LeMarchand, M	895
		Lemerle, Mr F F	582
		LeMesurier, T H	900
		Lepper, R S	1091, 1093, 1116

	Page		Page		Page
Leslie, Major J T W	101,108	Loventhal, Rev E	1003	Mackenzie, A C	640
Leslie, N U K	499	Loverly, F B	152,756,1193,1255	Mackenzie, A B	991
Leister, A W	97	Low, Genl Sir B C	113	Mackenzie, Major G E C	767
Lester, Rev H F W	1003	Low, Vaty-Lieut W C	704	Mackenzie, A H	412,986
Leithbridge, Capt W	700	Lewis, J	105	Mackenzie, A T	270,282
Leitnig, B F	105	Lowry, C	287	Mackenzie, Hon G T	170,192
Leitnig, Rev J	1023	Lloyd, J	987		767,1092,1093
Lever, J T	236,766	Lucas, Col H C E	114	Mackenzie, Rev J	979,1033,1162
Leverett, G	771	Lucas, Rev B	1003		
Levering, Rev F H	1025	Lucas, T A D	153	Mackenzie, J A	842
Levering, Rev F	1040	Lugard, Lt-Col Sir F J D	84	Mackenzie, J P	410
Lewin, Z	896	Luke, Lt-Genl Sir G	114	Mackenzie, K	287,287
Lewis, Hon J	106	Luke, Rev B	1019	Mackinnon, Mrs	1193
Lewis, Rev E H	1003,1039	Luke, Rev G	1011	Maclean, F G	409
Lewis, H M	157,979,1175	Luke, Rev T	1024	Maclean, Hon Sir F W	90
Lewis, J M	979,1038,1175	Luke, Rev V	1002	Maclean, Rev J H	1013,1033
Lewis, Lieut P E	993	Luke, Y	1000	Maclean, J M	1041
Lewis, J P	1102,1109,1116	Luker, F	103	Macleod, Rev A A	1023
Lewis, J T	900	Luker, T	1038	Macleod, B	184,767,987
Lewis, Lieut P E	987	Lushington, H W	761	Macleod, N C	96
Lewis, T C	103	Lushington, R H L	266,268	Macleod, Lt-Genl H	1222
Lizardet, Col C A	766,987,1249,1826	Lutter, A M	106	Macleod, A N	299
		Léthi, Rev B	1004	Macmichael, N	149,210,265,767
Liebenzler, Rev E	1016	Lütke, Rev C W	1020,1028		
Liddell, Major W A	89	Lütke, Rev T	1038	Mao Lennan, J	942
Lillingston, Miss A G	1001	Lygon, Lieut Hon R	92	Mac Millan, M	97
Lindsay, Capt Hon. R H	83	Cyclander, Asst Surg J	705	Macmillan, B W M	896
Lindsay, Col J G	901	Lynn, E	1006	Macnair, Rev J I	1006
Lindsay, R S	990	Lynn, V G	842,946,955	Macnamara T F	961,1172
Ling, Miss	1001	Lyon, P O	99	Macninchy, Major E W	
Linsburg, H G	156	Lyon, J L	851		
Lissenburg, W T	158,1249	Lyons, R W	1192	Macnechie, E	1263
Litchfield, H	714	Lyons-Montgomery		Macphail, Rev E M	1033
Little, Col C	693	Bt.-Col H F	103		1041,1091,1093,1162
Little, C	100	Lyndale, Asst Surg A	702	Macpherson, Hon'ble	
Little, Col C C	106	W J		W C	99
Littlewood, W C H	1146	Lyndale, Asst Surg H	703	Macpherson, W J	99
Llewellyn, Sir R B	83			Macpherson, J M	88,89
Lloyd, E S	210,766,1250,1263,1266,1276	Lys, Rev A F	958,968,989	Macquenn, Asst Surg K	703
Lloyd, Capt J H	108	Lys, W	208,767		
Lloyd, G R P	156,835			Macrae, J	1194
Lloyd, Lt-Col O E P	109,160,696			Macrae, J D	410,411
				Macrae, J N	1008
Loan, M	271			Macrae, Capt J L	498
Loane, M	986			Macraggart, Major C	108
Loane, S	156,602,977,936,1177,1196	Mabert, C E	677	Maddayys, P	1018
		Macartney, W	760	Madden, P	608,1179
Locke, S A	711	MacAlister, Hon Capt		Madhava Menon, K	640
Lodd Gevindoss	602,1199	R W	263	Madhava Rao Vinchar-	
Lodd Kristnades Bal-		MacArthur, Rt Rev J	95	kar, Hon'ble S G	95
manandoss	652,1196	MacBride, C H	298	Madhava Rao, V P	1091,1093,1233
Loftus-Tottenham, A R		Macdonald, A	647,851		
		Macdonald, Capt J H	97	Madiah, C	1254
Logan, J T	218,710,767	Macdonald, Major-General		Maharajah Marindra	
Logan, R M	714	Sir H A	84	Chandra Nandy, The	
Logan, T T	1091,1092,1097,1249,1251	Macdonald, Sir H	1196	Hon'ble	99
		MacDonald, Asst-Surg			
Logan-Home, Major F C		M N	705	Mahadeva Sastri, S	703
		MacFarlane, J B	287	Mahanty, D	1007
Long, W A	1196,1198,1199	MacFarlane, J	97	Mahon, Bt-Lt-Col R H	108
Longbridge, Rev A	1011	MacFadyen, P	846	Mahasany Pillay, T C	1251
Longden, C C	760	MacFarlane, J B	1249	Mahdi Hussain Sahib	
Longhurst, F H	156,835,1032,1199	MacGregor, W D	153,410,511	Bahadur	240
		MacGregor, Sir W	81	Mahammad Auzam	
Longmire, Miss	1001	MacHutchin, J C C	987	Sahib	1116
Lonsdale, W E	763	MacHutchin, J C	266,268	Mahomed Ali	639
Loomes, Rev T	1016	MacIntosh, A	903	Mahomed Akbar, Nazar	
Lopes, Rev J	981	MacIvor, S W G I	206,767	Ali Hydari	290
Love, Lt-Col H D	1090,1092,1093,1103,1146,1173,1198	Mackellar, S C	297	Mahomed Haider Hus-	
		Mackay, C G	230	sain	639
		Mackay, J L	1256	Mahomed Sherif Khan	
		Mackay, W R T	642,1196	Bahadur	1197
				Mahomed Ibrahim Sahib	639

	Page		Page		Page
Mahomed Saffar Hussain	602	Marsh, J G E	896,987	MeIver, Hon Mr D	95
Sahib, Bahadur	1257	Marshall, Rev C G	1021	McKee, Lt-Col G M E	696
Mahomed Usman	284	Marshall, D	1040	McKenzie, Asst-Surg E	89
Mahoney, J	153	Marshall, F G	271	McKie, Asst Surg E	702
Mahony, P	700	Marshall, W S	296	McLardy, S	1196
Mahony, Hon Capt E	1256	Mavston, T D	240	McMaster, B	150
Mahomed Jaffer	379	Martin, Brig-Genl A R	410,411	McMaster, B N	294
Maiden, C B	987	Martin, Capt H M	92	McMurray, W C	284,767,1249
Maiden, J W	155,835	Martin, Capt H G	691	McMurtrie, Rev J	1032
Maidment, Major F G	696	Martin, C W	237,268	McNeil, J	410
Maigur, Rev S	1025	Martinaud, Condr A	158	McRobert, The Hon A	102
Maigandadava, Muda-		Martindale, Hon A H T	101	McSwain, W S B	986
liar, A	1274			Meads, Lt-Col M J	101
Mainwaring, N Q D	761	Martyn, G W	105	Mead, P J	95
Mainwaring, E E R	296	Mascarenhas	1259	Meagher, Major D J	115
Maiganda Deva Muda-		Mascarenhas, M S	242	Medlicott, J H	270,281
liar, A	1274	Mascarenhas, Rev J	1268	Mears, Col A	88
Maitland, Lt-Col J	602,637,693,694,1091,1094,1095,1119,1120,1196,1198	Mascarenhas, V C	708	Meenackshaya, C	1249
		Masilamani Mudaliar, A		Mehr Chand, Rai Bahadur	89
Maitland, Mrs	1178			Medley, Major A G	115
Majumdar, N	290	Masilamony Rev V	1016	Mehta, Hon P M	95
Malan, W de M	104	Maskell, J M	711,767	Maiklejohn, G F	1353
Malden, Mrs	1177,1193	Maskell, W H	711	Meinders, C E	1249
Malden, Rev C H	958,961,976,988,993	Masson, Hon Col D P	88	Mell, Capt Q F O N	699
		Masson, The Hon D P	103	Melrose, C A	896
Malma, H	1091,1093,1094	Masters, Col A	115	Melitus, P G	107
Malik, P N	410	Mathew, Capt C M	699	Mellor, W H E	290
Manavedan Raja, K C	186	Mathew, Dr K T	156,1034	Menville, Major C H	109,691
		Mathew, K P	1162	Menville, Major P J	101
		Mathew, Rev C	1010	Menzies, R T	162
Mancke, Rev J	1020	Mathews, H M S	105	Mercer, Capt W H	987
Mancke, Rev W	1019	Mathews, W A	287	Meredith, J	159,764,767
Mane, Rev J	1017	Mathews, Capt R L	92	Meredith, R	409,410
Mangesh Rao, M A	150	Mathes, Rev H	1022	Merrett, W	97,978
Mangesh Rao, R	298	Maugha Rao, A T B	89	Messinier, P E	1101
Mangesh Rao, S	162,1091,1093,1094,1099,1102,1117	Maunsel, Major F R	86	Meston, Rev W	1033,1034,1162
		Max, Miss	1001		
Manicka Pather, V	603	Maxwell, Bt Major F A	107	Meston, Hon J S	102
Manickam Nayakar, P V	283	Maxwell, G H	410	Metzler, Rev W	1004,1028
Manley, Rev W R	1013	Maxwell, W	378	Meyer, Rev J	981,1017
Manlik, S C	419	Maybury, R A K	298	Meyer, W S	184,707,767,1196
Mansfield, Col H	108	Mayer, J E S	714		
Manonmani Pillay, J G	299	Mayne, R J M	760,987	Meyner, Rev Th	980,981,1176
Manson, C F	99	Mayner, Rev T	1014		
Manson, J	880	Mayston, H	410	Michael, Rev A	1005
Mant, R A	69,289	McCann, J	89,229	Michael, J R	1267
Manuel, A	412	McCallum, Bt Col Sir H		Michael, W H	100,104,289,767
Manuel, S R	991	E	84	Michell, R B	152,711,756,1090,1092,1093,1094
Manuel, Rev V	1016	McCarrison, D L	759		
Marcar, W A	482,1165	McCarthy, C D	1251	Michell, T	900
Mardall, Major, W S	114	McCauly-Hayes, H W	901	Middlemast, E W	149,1091,1092,1094,1098,1196
Marder, Major E S	691	McCay, W R	287		
Marian, M	1023	McCloughlin, T J	901	Mijan Jan Sahib	706
Marris, W S	89	McConaghey, Col J	104	Mildred, C	271
Marindin, C R	100	McCoy, W	896	Miles, H J	96
Marini, G	900	McCreedy, D A	762	Miller, Rev W	1013,1033,1090,1092,1095,1116,1162,1196,1222
Margischis, Canon Rev	987	McCreedy, Esq F J	987		
		McDonnell, Lieut E	691	Miller, Capt A	637,699
Mariyappa Mudaliyar, C	532	McDermott, Surg Lt J	1249	Miller, A B	90
Marjoribanks, N E	161,208,767	McDonnell, R G P P	106	Miller, The Hon J O	102
		McDonough, Asst-Surg		Miller, D D	714
Mark, Rev J	1024			Miller, L C	186,707,757
Marker, Bt Major R J	107	McDowall, Rev J	1006	Miller, R C	711
Marler, Rev F L	1002	McFarland, W G	230	Millett, E L	991,993,1177
Marsden, E	155,1090,1092,1094,1095,1096,1116,1117	McGann, Col P J	1253	Milne, J L	89
		McGavin, H	159	Milne, J S	290
		McGee, G W	986	Milne, W F	153
Marrett, Lt-Col E R	113	McGill, Major H S	109	Milner Capt A E	109,160,691,692
Marsden, Lt-Col J C	693	McHutchin, W	1263,1269		
		McIntosh, H J	89,289		
Marsh, Rev C R	1012	McIntosh, W J	89		

	Page		Page		Page
Minchin, E A	1243	Morgan, The Hon E T	102	Muhamamad Suldar Hussain	
Minchin, J W	767, 1243	Morgan, J G	103, 410	Sahib Bahadur	156, 238, 1107
Minto, Right Hon, Earl of G J	83	Morgan, J L	714	Muhamamad Rafiq	103
Mir Ali Sahib	714	Morgan, W	714, 768	Muhammad Sheriff, Khan Bahadur	602
Mir Hamza Hussein	1256	Morison, W T	95	Muhammad Yakub	246
Mir Mazharuddin Sahib Bahadur	602, 1197	Morison, D S	846	Muhammad Usman Sahib, N	1091, 1094
Mir Serajuddin Sahib	759	Morphett, Miss M	1193	Muir-Mackenzie, Hon Mr J P W	95
Mir Sultan Muhi-ud-din Sahib Bahadur	243, 1091, 1092, 1094	Morren, W B	1091, 1092, 1094, 1162	Muttaba, M G	103
Mir Tahir Ali Sahib	160	Morris, Major M M	84	Muirhead, A	875
Mirza Abbas Ali Baig	97	Morris, Capt R L	115	Mukerjee, J N	410
Mirza Mehdy Isphahany	835	Morris, Miss E B	1001	Mukhopadhyaya, Hon Dr A	99
Mitchell, A C	1091, 1092, 1094	Morris, Rev E F	981, 1192	Mullaiy, J	1562
Mitchell, J	1199	Morris, Rev J	1193	Mueller, Rev E H J	1009
Mitchell, T W	846, 1199	Morris, J J	687	Mullaiy, C M	180, 707, 787
Mitchell, W T	847, 1192, 1193	Morris, R	149, 188, 767, 987	Mullaly, Bt-Lt-Col H	89, 108
Mitra, J C	100, 290	Morrison, D S	977, 996	Mullaly, F S	154, 768
Mitra, R C	90	Morrison, J G	88, 89	Muller, J A	298
Mitter, Capt R K	698	Morrison, Mrs	1193	Muller, D A	603
Moberly, H	149, 182, 707, 767, 987	Morrison, Miss	1001	Muller, Rev J	1004
Moberly, Bt-Major F J	89	Morse, Lt-Col R E R	690	Müller, Rev W	1017
Modi, J E	96	Morton, Rev B M	954, 970, 986	Mullins, H S	286, 268
Modi, K F	96	Morton, E	286, 1252	Mullins, Lieut-Genl J	894
Moffat, A	1083, 1116, 1117, 1162	Moscadi, S F C	767	Mullings, C T	284
Molesworth, Rev T C	1162	Moscadi, A F G	218	Muni, Rev A	1002
U	953, 966, 988, 1194	Moses, Rev V	1041	Munro, A	107
Molesworth, Major W	92	Moses, Hon Mr L M	95	Munro, J H	192, 767
Molesworth, Lt-Col C	118	Moss, H A	271, 288	Munshi Madho Lal, The Hon	102
Moyle, J C	106	Moss, C W	987, 1193	Murdoch, D D	149, 186, 767
Moloney, Sir C A	88	Moss, E M	767	Murdoch, J	841, 1038, 1041, 1090, 1092
Molony, J C	226, 767	Moss, W F	1249	Murdoch, Lt-Col J B	962
Monahan, F J	107	Moss, W	1251	Murray, J	103
Monahan, Rev C H	1065	Motiwala, B B	1951	Murphy, M J	202, 767
Monday, E F	100	Moubray, C L	942	Murray, N M	842
Mongan, W S	95	Moulvi Saiyid Muhamad Khan Bahadur, The Hon'ble	99	Murray, A H	868
Monisse, Asst Surg C B	703	Moulvi Seraj-Ul-Islam, The Hon'ble	99	Murray, C E	842
Monks, M E	159, 378, 379	Moung Po, Hon	105	Murray, E H	411
Monro, A	1090, 1092, 1093	Mounsey, C H	180, 767, 987	Murray, E R	987
Montagu-Stuart Worthey, Major E J	86	Muang Shwe Burn, Maung Kua	106	Murray, R	841
Monteath, Hon Mr J	94	Mowat, Rev Dr A G	1626	Murray, S B	161, 271, 803
Monteiro, J J	1253	Muckerji, N	160	Murugesu Mudaliyar, A	379
Montgomery, Hony Lieut W J	701	Moiz, T E	265	Murugesu Mudali, T	651
Montgomery, The Hon Lt-Col J A L	103	Muhammad Azim Sahib K	143	Murugesu Mudaliyar, M	143
Moonesawmy Mudaliyar, Asst Surg C	705	Muhammad Aziz-ud-din Hussain Sahib Bahadur, Khan Sahib	1091, 1093	Murugesu Pillai, V	248
Moria, A H	272, 285	Muhammad Bazzillah Sahib, Sahib Bahadur	236, 1091, 1092, 1094	Muspratt, Rev W	954, 963, 983
Moor, Sir, E D R	84	Muhammad Fakhiddin Sahib	710	Muthukopurathi, Madan Bar, C	1181
Moore, the Hon Sir G M J	92	Muhammad Hussain Hakim	96	Muthusawami, Rev G	1023
Moore, Miss A	1091	Muhammad Kadir Navaz Khan Sahib Khan Bahadur	234, 1091, 1092, 1094	Muthusawmy, A	978
Moore, Rev E A L	977	Muhammad Munawar Sir Khan Bahadur	1091, 1093	Muthusawmy Naidu, M	379
Moore, J	759	Muhammad Raza Khan	260	Muthusawmy Doss, Y	1257
Moore, G W	990			Muttisappen, Rev T	1016
Moore, Rev H O	90			Myers, B	158
Moore, J P D	298				
Moore, Hony Lieut J	701				
Moore, L	146, 170, 706, 707				
Moore, L G	204, 706, 707				
Moore, P L	218				
Moos, R A F	97				
Moothupillay, R V	603				
Moresby, C	718				
Morley, Capt E M	691				
Morgan, J C	379				

	Page		Page		Page
Nagaraja Aiyar, G	157	Narayana Rao Nayudu, I L	708	Neudorffer, Rev E	1007, 1040
Nagasundaram Aiyar, R	243	Narayana Row, A	285	Nery, P	287
Nagappa, B	718	Narayana Row, M S	1255	Neve, Rev C A	1039
Nagayya, Rev B	1011	Narayana Menon, P	242	Neville, Brig-Genl J P C	109, 156, 987
Nagayya, Rev G	1010	Narayana Numbiyar, A	719	Newcomb, Rev J	1012
Nagasubba Rao	1256	Narayana, Rev D	1025	Newham, Rev H H	1030, 1024, 1288
Nageswara Row, G	150	Narayanan Nayar, T V	710	Newman, C R	367
Nagesa Rao Pantulu, P	244	Narayanan Naiz, P K	639	Newmarch, A	290
Nageswarier, A	1325	Narayanasaami Aiyangar, N	714	Niblock, Capt W J	637, 659, 7120, 1121
Nagiah, Rev J	1010	Narayanasaami Aiyar, C V	1146	Nicholas, C S	1193
Nagoji Ran, Rao Pantulu C Bahadur	1091, 1092, 1095, 1100	Narayanasaami Aiyar, T V	234	Nicholas, A J	152, 161, 423
Nailor, A S	896	Narayanasaami Aiyar, V	708	Nicholas, E	158
Nailor, Lt-Col H A F	694	Narayanasaami Chetty, G	652, 1181, 1196	Nicholas, Asst Surg C T M	660, 701, 762
Nailor, Asst Surg R H	702	Narayanasaami Chetty, P	712	Nicholas, E A S	1193
Nallaswami Pillai, J M	710	Narayanasaami Moodaliar, P	299	Nicholson, Capt C L	114
Nallatambi, Rev M	1015	Narayanasaami Naidu, P	651	Nicholson, E F	94, 96
Nallathambi, Rev S	1015	Narayanasaami Naidu, T	379	Nicholson, S	1002
Nambemmi Chetti Gara, T	855	Narayanasaami Madaliar, V	159, 379	Nicholson, Hon Mr F A	92, 170, 767, 1091, 1093
Nanuduraj, Moss	1255	Narayanasaami Nayudu, Y	248	Nihal-ud-din Ahmad, M	102
Nannavati, M N	96	Narayanasaami Pillai, M	240	Nicol, C	841
Nannavati, N N	96	Narayanasaami Iyer, M	710	Nicol, G J	761
Nanda Lal Ghosh	712	Narayanasaami Iyer, A	379	Nightingale, Rev A E	1024, 2030
Nanjappa, C A	1257	Narayanasaami Naidu, G	157	Nielsen, Rev V C L	1003
Nanjappa, T S	1257	Narayanasaami Naidu, A	1017	Nightingale, W A	102
Nanjappa Urs, M	1255	Narayanasaami Naidu, A	1017	Nikanta Sastriyar, A	285
Nanjundia, H V	1091, 1092, 1093, 1094, 1253	Narayanasaami Naidu, A	1017	Nisbet, Mrs M A	637
Nanjunda Aiyar, V	705	Narayanasaami Naidu, A	1017	Nixon, Col J E	108
Nanjunda Row, M C	131	Narayanasaami Naidu, A	1017	Nizamudeen Ahmed	713
Napier, C F	718	Narayanasaami Naidu, A	1017	Norfor, E	298
Napier, A B	106	Narayanasaami Naidu, A	1017	Norman, C R	1249
Narain Row, M	1255	Narayanasaami Naidu, A	1017	Normandy, F	712
Naraina Rao, C	1256	Narayanasaami Naidu, A	1017	Norris, G	1258
Narainasawmy, Dr T	1041	Narayanasaami Naidu, A	1017	Noronah, Rev B	1268
Naraya Rev M	1025	Narayanasaami Naidu, A	1017	Noronah, Rev J	1268
Narassayya, Rev V	1318	Narayanasaami Naidu, A	1017	Nowroji, H	266
Narasayya T S	713	Narayanasaami Naidu, A	1017	Northcote, Lord H S	88, 94
Narasimha Aiyangar, V	1274	Narayanasaami Naidu, A	1017	Notton, Hon Mr E J	92, 602, 712, 1199
Narasimha Chari, M	1254	Narayanasaami Naidu, A	1017	Norton, The Hon D H	106
Narasimha Chariyar, T A	703	Narayanasaami Naidu, A	1017	Noyce, F	232
Narasimha Chariyar, M	713	Narayanasaami Naidu, A	1017	Norman, H W	900, 901
Narasimha Rao Pantulu, K	240, 244	Narayanasaami Naidu, A	1017	Nritya Lal Basak	89
Narasimulu, Nayudu, T Y	265	Narayanasaami Naidu, A	1017	Nunes, Rev A S	981
Narasimulu, Naidu P	637	Narayanasaami Naidu, A	1017	Narasimulu Naidu, E	152
Narasimamiergar, V N	1354	Narayanasaami Naidu, A	1017	Nursali, Rev D C	1017
Narasinga Row, S	379	Narayanasaami Naidu, A	1017	Nuttall, Rev F	954, 969, 988
Narasimha Rao, Asst-Surg T	705	Narayanasaami Naidu, A	1017	Nunn, H	106
Narayana Aiyar, P R	267, 268	Narayanasaami Naidu, A	1017	Nyein, M T	106
Narayana Aiyar, R	928	Narayanasaami Naidu, A	1017		
Narayana Aiyar, V G	708	Narayanasaami Naidu, A	1017		
Narayana Aiyar, V S	710	Narayanasaami Naidu, A	1017		
Narayana Chari, P	710	Narayanasaami Naidu, A	1017		
Narayana Murti Pantulu, Bt Bahadur B	238	Narayanasaami Naidu, A	1017		
Narayana Murti Rao, P	411	Narayanasaami Naidu, A	1017		
Narayana Row Govind, Hon'ble M	95	Narayanasaami Naidu, A	1017		
Narayana Rao, K	1092, 1093, 1116	Narayanasaami Naidu, A	1017		
Narayana Rao, S	605	Narayanasaami Naidu, A	1017		

	Page		Page		Page
O'Connor, J E	253	Palman, C J	713	Paterson, C A	162, 379
O'Connell, Thos	302	Palman, E J	159, 378		1031, 1032
O'Connell H H	270	Palmer, C G	102		1091, 1092, 1093, 1095, 1102
O'Connell, M J	410, 412	Palmer, E B C	842	Paterson, R S	271
Odgers, C E	1105, 1108	Palmer, A C V	846	Patient, T	1025, 1030
	1158	Palmer, C	846	Pathmanabha Naidu, M	636
O'Donnell, Mrs F	639	Palmer, A L H	409, 410	Pattabhirama Aiyar, K	288
O'Donoghue, Lieut		Palmer, Genl Sir A P	87	Pattabhiraman, C	1102
D J F	691	Palmer, Capt H R	114	Pattarajana Iyer, S	636
Ogilvie, Mrs		Pampapati Sastri, Rao		Patwardhan, V S	106
Ogilvie, Rev J N	971, 979	Bahadur S	248	Patterson, Miss J	1105
	1031, 1032, 1091, 1093, 1162	Pamperrien, Rev K	1021	Patton, D E	896
	1165, 1193, 1296		1091, 1093	Paul, D	379
O'Hara, Lt-Col A J	696, 762	Palpu, P	1257	Paul, Rev J	1024
O'Hara, Lt-Col W	154, 394	Panchanadeswar, S N	1196	Paul, J A C	896
	762, 1249	Panchapaksa Aiyar, S	281	Paul, S	1019
O'Hara, A E	157	Panchopagesa Aiyar,		Paul, W W	846, 1199
O'Kinealy, F	90, 101	A V	299	Paul, Rev V	1009
O'Keden, W H P	714	Panioty, C D	90	Paulsen, Rev A	1020
Olcott, Col H S	1195	Papayya, P	1018	Paulie, A J	712
Oldfield, F Du Pre	292, 707	Pandit Bishambhar Nath,		Paulus, C	1009
	767	The Honble	102	Pavey Hon Mr G F F	87
Oliver, J W	103	Paramjoti, Rev S	1267, 1269	Payne, Capt E H	114
Olivers, A C	299		1276	Pawley, F A	896
Oliver, A K	96	Papian, D	1019	Pease, Vety-Capt H T	104
Oliver, F G	901	Parkin, Major H	105	Peacock, D	1002
Oliver, W G	299	Parakandy, Rev T	1017	Peacock, F	90
Oliver, S E	976	Parasiva Iyer, T	1255	Peacock, Asst Surg E	702
Olphart, H S	409, 410	Parankusa Pillai, N	411	Pears, Lt-Col T C	101
Oliver, G T W	410	Parekh, Honble G K	95	Pears, S D	270
Onslow, Lt-Col R C	109, 155	Periah, O	1013	Pearson, T A	99, 100
	159	Paranayagum Mudali,		Pearson, Col A A	113
Organe, Mrs	1175	P S	623	Pearce, Capt C E	698
Organe, Rev S W	979, 1014	Parsons, Miss P	1100	Pedler, A	100
	1038, 1041, 1175	Parker, Rev A	1022	Peddayya, Rev K	1018
Ormistoun, Lieut T L	767	Parker, Rev C E	1025	Peddle, C	281
Ormond, E W	90	Parker, C H	287	Pedroza, P M	715
Orr, E W	835, 908	Parker, Rev J	1008	Peile, Col S G F	106
Orr, S	718, 738, 842	Parker, J N	410	Peebles, J E	846, 1196
	1198	Parker, Rev W A H	954, 971	Peel, Hon G	857
O'Shaughnessy, H P	900	Parker, J M M	272	Pears, S D	156
O'Shea, F B	378	Parker, Rev C	1040	Peers, Rev S O	988
Overton, J J R	410	Parsons, R	161, 1249	Peet, Rev G T	1026, 1040
Osevell, G D	107	Parsons, F C	196, 767	Pelly, C B N	759
Ostermeyer, Rev J	1017	Parsons, Major C J	104	Pelly, J S	862, 977
Ottley, Rev H T	107	Parthasaradhi Chetty,		Pelly, W F	846, 1038
Ottley, Lt-Col J W	90	V	238	Pemberton, Lt-Col R	695
Ottman, S C W	298	Parthasarathy Naidu,		Pendlebury, W	762
Oughterson, F R	767	A C	602	Pennell, C S	105
Owen, Lt-Col R	94	Parthasarathy Naidu, B	639	Pender, Sir J D	657
Owens, J	100, 378	Parthasarady Mudaliar, V		Pendleton, Condr G	168
Oxley, Miss L	1001, 1193	A	149	Penn, Rev W C	990, 1039
Oxley, Miss S	1001	Parthasarathi Iyengar, M C	709, 710	Penny, Rev F	993
			812, 1196	Penny, Capt J	698
		Parthasarathy Aiyangar,		Perayyasastri, J	532
		M A	812, 1196	Pereira, Major F C	697, 762
		Parthasarathy Aiyangar,		Pereira, J C	411
		M O	162, 149, 712, 756,	Pereira, J C W	713
			1091, 1093, 1184	Pereira, J E	379
		Parthasarathy Aiyangar,		Pereira, J F	799
		S	1146	Pereira, J	283
		Parthasarathy Mudaliyar,		Pereira, Asst Surg E J C	705
		M	608	Pereira, Asst Surg P	735
		Parthasarathi Nayudu, K		Pereira, Asst Surg R B	702
		288		Pereyra, Asst Surg M	
		Parthasarathy Pillai, P	379	J	153, 702
		F	1181		
		Partridge, J G D	192, 767	Perreira, Asst Surg L W	705
		Partrich, M L	410, 411	Periah, Rev M	1009
		Passy, Lieut-Col H E	114	Periasawmi Mudali, A	532
		Patel, R M	96	Peris, A M	1251
		Patel, R T	1249	Perks, Corpl C T	158

	Page		Page		Page
Perkins, Rev J C	1015	Pollen, Hon J	95, 96	Price, Surg-Genl W S M	
Perkins, J P	987	Poole, H C	298		88, 114
Perry, Lt-Col F F	88	Potnam, T C	711	Fridmore, Capt W G	698
Perraja Pantulu, Hon K	92	Ponneia, Y	931	Priest, Rev H C	1008, 1028
Perry, B W	900	Ponnappen, Rev S D	1021	Prime, A H	411
Perry, Capt S J C P	691	Ponnaranga Mudaliar, C	879	Prizme, G	379
Perumal, Rev A	1015	Ponnaswami Pillai, N R	1258	Prince, I H	1027
Perumal Pillai, P	532	Ponnaswami Aiyar, A S	248	Prince, Asst Surg R	1028
Periyaswami Mudaliar, A		Ponnaswami, Rev J	1006	Prince, Asst Surg R C	
		Ponnaswami Pillai, S	287	D	701, 1249
Peter Pillai, P	1091, 1093	Pope, R R	99	Pringle, A T	161
Peter, Rev K	1025, 1011	Pope, A W W	880	Pringle, J W	291
Peter, R R	879	Pope, Lt-Col T H	149, 638,	Prinsep, Lt-Col D G	85
Peter, Catechist	1015		693, 695, 1091, 1094,	Prinsep, Hon Sir H T	90
Peter, D A	978		1005, 1119, 1120	Proutfoot, Col A W	114
Peter, D A	993		1178, 1222	Protheroe-Smith, Capt	
Peter, Rev Geo	1028, 1009,			H B	85
	1017	Pope, Asst-Surg J A R	702	Prichard, Hon-Lieut J	
Peter, Rev G	1017	Pope, Mrs	639	W	701
Peter, Rev J	1003	Porter, W K	105	Prichard, L E	290
Peter, Rev J S	1041	Porter, H J A	151	Pritchard, Major C H	101
Peter, Rev M	1003	Porter, Rev R C	1020	Pritchard, J C	711
Peter, M R	379	Porter, R H	862	Prichard, Asst-Surg J	
Peter, Rev N	1008	Porter, W N	105	W	986
Peter, G R	378, 159	Porteous, E R	842	Prudhomme, A T	846
Peters, N	1034	Porteous, P G	1199	Puddephatt, Mrs	1177
Peterson, Rev W	1019	Protheroe, Major-Genl		Pudumjee, J D	290
Peiman, C B	104	M	113	Puddephatt, T H	161, 482,
Pfeiderer, Rev I	1004	Ponnett, Rev C W	1026,		979, 1031, 1193
Petley, Commander E W	88		1040	Puddicombe, C J	987
Phillip, Rev I	1018	Pote, P G	411	Pulney Andy, Dr S	1196
Phillip, Rev J G	973, 1031,	Potter, Miss	1001	Punithavain Mudaliyar,	
	1032, 1268, 1276	Pottinger, The Hon J C	97	M	602
Philip, Rev A	1024	Powell, Asst Surg B F	705	Funtulu, H D	895
Phillips, Rev G E	970, 1014,	Powell, E B	154, 706, 711, 862	Purna Srinivasa Rao	1255
	1175	Powell, A J	878	Purnayya Pantulu, Rao	
Phillips, Rev L M	979	Powell, Major S	696	Bahadur, P	236
	1014, 1038, 1091, 1092,	Powell, R M	760	Purnayya, P N	1253
	1094, 1175	Powell, Rev W	1010	Purnashothama Naidu,	
Phillips, F A T	106	Powell, J S	991	N	379
Phillips, H F T	758, 1251	Power, E H	711, 767		
Phillips, W W	200, 767	Power, Hon G F T	88, 173,		
Phillips, W C	991		707, 762		
Piers, Rev S O	954, 971	Power, J O B	143, 291		
Pika, H S	410	Power, Major R I	691	Quayle, Lt-Col W A	695
Pickering, Lieut C J	105	Poynder, Lt-Col J L	685	Quinn, H O	95
Pilkington, A	894	Pragasam Mudaliar, R N	602	Quintão, Rev E A	961
Pinchard, Capt M B	699	Prabalam Pillai, A	236		
Pinhey, A F	188, 767	Prain, Major D	100		
Pinhey, H T	409	Pranatharthihara Aiyar,			
Pinnet, C	156, 836	V R	287, 288		
Pinto, Maj J O	697	Pranatharthihara Aiyar,			
Pitchamuthu, Rev A	1016	A C	1103	Rabsach, Hon'ble S	95
Pittendrigh, Rev G	1038,	Pranatharthihara Aiyar,		Radhakrishna Aiyar, S	1091,
	1068, 1091, 1092, 1094,	V S	1146		1093
	1095, 1162	Prasangi, Rev B	1019	Radhakrishna Aiyar, M	288
Pixley, Rev P	1018	Pratt, Rev B	1025, 1029,	Radhakrishna Aiyar, V	1162
Plunkett, C E	991, 1270,		1040	Rae Nihal Chand Baha-	
	1271	Pratt, Hon J	90	dur, The Hon'ble	102
Plumbe, H	1192, 1333	Prayer, C D L	986	Rafi-ul-Mulk Saib Baha-	
Plummer, G D	152, 160,	Prayer, N C	412	dur	242
Plumer, R B	1255	Prema, Rev H	1024, 1268	Raghava Aiyangar, S	708, 710
Pogson, G A	287	Prendergast, Genl Sir H	854	Raghava Chari, K	295
Pogson, W N	1196	Prencott, Capt J J W	591	Raghavachariyar, T T	272
Pogson, Mrs W N	1177, 1186	Preston, Hon S	104	Raghava Chari, Dewan	
Poget, Rev E V	1268	Pregrave, Lt-Col E R J	113	Bahadur, V	161, 162,
Pohl, Rev E	1023	Preston, A S	714		1091, 1093
Pole, A E	711	Preston, H St J	1193	Ragharachari, S	1157
Pollard, Rev C	149, 960, 1013,	Price, Lt-Col W	1090, 1094	Raghava Chariyar, P V	288
	1175	Price, Rev H G	1023	Raghaviab, G V	593
Pollard, Major J H	94	Price, Sir J F	334, 357,	Raghava Chariyar, T T	285
Pollard, Rev L G	988		367, 767, 808	Raghaviab, Rev P B	979, 1013,
					1041, 1217

	Page		Page		Page
Raghaviah, Rev B	1926	Rama Rao, R	242	Ramaswami Aiyar, A	708
Raghavendra Chariu, C	248	Rama Rao, Asst Surg C		Ramaswami Aiyar, C	288
Raghavendra Rao, Pantulu D	709	B	705, 1222	Ramaswami Aiyar, K A	299
Raghavendra Row, N	412	Rama Rao, Raja T	652, 1092	Ramaswami Aiyar, N S	281
Raghavendra Row, B D	1257		1093	Ramaswami Aiyar, P T	297
Raghavendra Rau, U	155	Rama Row, C	1234	Ramaswami Aiyar, V	240
Raghavayya, B	714	Rama Rao, U	242	Ramaswami Aiyar, V A	180
Raghavayya, Rao Sahib T	238	Rama Rao, V	244	Ramaswami Aiyar, V P	295
Ragunatha Rao, Pantulu A	709	Ramacha Nedangadi, T	240	Ramaswami Chetty, G	379
Ragunathachariar, N	1091, 1101	Ramachandra Aiyar, A	1090, 1093	Ramaswami Iyer, B	1256
Ragunatha Rao, Dewan Bahadur, B	1099, 1092, 1093, 1094	Ramachandra Aiyar, C	248	Ramaswami Iyer, S	709, 1254, 1256
Rahman Khan, Subdr Major	109	Ramachandra Aiyar, K	708	Ramaswami Mudaliar, A	651
Rai Sri Ram Bahadur, Hon Mr	88	Ramachandra Rao, C	1093	Ramaswami Mudaliar, Raja, Sr S	652, 1091, 1092, 1181, 1196
Rai Indra Narayan	103	Ramachandra Rao Sahib, Diwan Bahadur, C	1091, 1095, 1106	Ramaswami Naidu, C	181
Rai Tarini Prasad, The Hon'ble	99	Ramachandra Rao, 1258		Ramaswami Naidu, Rao Bahadur, M	157, 265, 268
Reitt, A F W	134	Ramachandra Rao, V	242	Ramaswami Sastri, A	710
Raja Venugopal Bahadur, 652, 1196		Ramachandra Rao, C V	246	Ramaswami Sivan, M R	1146
Ragunathayya, S	708	Ramachandra Row, K	1251, 1277	Ramaswamiiah, B	1256
Raja Rama Rao, T	710, 1099, 1184	Ramachandra Row, N	236	Ramaswamiengar, B	1254
Rajabadar Mudaliyar, A	246	Ramachandra Rao, R R	234	Ramaswamiengar, K	1256
Rajagannoo Moodilly, A	896	Ramachandrayya, M	150	Ramaswamiengar, H	1250
Rajah Tasaduq Rasul Khan, The Hon	102	Ramachandra Aiyar, A	1253, 1263	Ramaswamiar, M	1255
Rajah, A K	1196	Ramachandra Rao, P	706	Ramayya, Rev G	1018
Rajagopala Aiyar, A	710	Ramachendrin, B	379	Ramayya, I	1018
Rajagopala Aiyangar, N	285	Ramakrishna Aiyar, M	1091, 1093	Ramayya, Rev T	1018
Rajagopala Aiyar, P	1098	Ramakrishna Rao, B	1255	Ramayya Pantulu, J	285
Rajagopala Aiyangar, T	248	Ramakrishna Pillai, T	705, 1091, 1094	Ramayya Punja, A	1251
Rajagopal Mudaliyar, P	148	Ramakrishna Aiyar, T	710	Ramayya, Rev Y	1018
Rajagopala Chariar, Dewan Bahadur V	161, 234, 428	Ramalinga Aiyar, A V	221	Ramdas Sarkar	292
Rajagopala Chariyar, P	198	Ramalinga Nair, C	157	Ramdas Patnaik, M	379
Rajagopala Chariyar, G	709	Ramakrishna Pillai, T	1093	Ramdoes Naidu, C	603
Rajahnder, Rev J	981	Ramalinga Mudaliar, W	246	Ramiah, H	1254
Rajam Iyengar, D	895	Ramalingam Pillai, A	710	Ramooty, E	659
Rajaram Row, Miss	1257	Ramalinga Sastri, K	710	Rampini Hon R F	88, 90
Raja Row, C	1258	Ramalingiah, K	428	Razau Aiyar, S	238
Rajaratna Mudaliar P	159, 238, 764, 767	Ramalingeswarappa, B	532	Ramcuni Menon, C	582
Rajaratna Mudaliar, V	1258, 1274, 1276	Ramanurthi Nayudu, N	246	Ramunni Menon, K	1097
Rajaratna Mudaliyar, Hon P Dewan Bahadur	1091, 1093, 1181	Ramanurthi Pantulu, N	710	Ranfurly, U J M	93
Rajaratna Mudaliyar, P	149	Ramanurthi Chariar, N	1182	Ratga Chari, S P	242
Rajaratna Mudaliar, C S	602	Ramanurthi Chariar, V K	150	Rangachari, S G	582
Rajaratna Mudali, C	623	Ramanujachariyar, K	1092, 1094, 1181	Ranga Chariyar, T M	708
Raja, Rev W	980, 1011	Ramanujachariyar, H	1255	Ranga Chariyar, T T	708
Raleigh, Hon Mr T	97	Ramanujam Pillai, T	281	Rangacharya, M	1102
Rama Aiyar, G S	272	Ramanujulu Naidu, T	248, 639	Rangachariar, K	1121
Rama Rao, L	532	Ranganatha Aiyar, K	710	Rangachariar, S	1196
Rama Rao, N	288	Ranganatha Aiyar, K B	1181	Rangachariyar, M	1091, 1092, 1094
Rama Rao Pantulu, C	709	Ranganath Josee, T R	705	Ranga Chariu, K	248
Rama Row, M G	1256	Rama Rao, M	1253	Ranga Iyengar, T	156
Rama Rao, Rao Bahadur, T	236	Ramaswami Iyengar, A	879	Ranga Rao, C	708
		Ramaswami Aiyangar, S	712	Ranga Rao, R	411
		Ramaswami Aiyangar, V	1257	Ranga Rao, V	708
				Rangaswami Aiyangar, M	712
				Rangaswami, Rev J	1005
				Ranganadha Mudaliar, G	1182
				Ranganatha Mudaliyar, S	709
				Ranganatham Nayudu, C	713
				Rangappa, H	1092, 1094
				Ranganana, S	1257
				Rangayya Chetti, S	1091, 1092, 1094, 1102
				Rangayya Chettiar, S	1117
				Rangayya, Rev Y	1018

	Page		Page		Page
Rangiah, Rev A	1025	Richardson, E L	901	Rosario, J L	1199
Rath, C F	151	Ridgeway, Rt Hon Sir J W	84	Bozario, D D	1249
Rautaran, Rev A	1268	Richards, Capt W G	699	Rosling, A W	847
Ratnam, Y	1022	Richmond, T	713	Rose, N H	106
Ratnaschapati Pillai, Hon P	92	Rickle, H	1031, 1272	Rose, P J	106
Ratnasabapathy Pillai, M	532	Ripley, F	196	Ross, D	842
Ravaniah, Rev K	1010	Ricketts, G E	1256	Ross, W	106
Ravanishvar Prasad Singh Bahadur, The Hon'ble Sir	99	Rideout, Major F C W	109, 158	Ross, G E	100
Ratigan, H A B	104	Ringe, Vety-Major R H	103	Ross, Capt T S	156, 502, 603, 790
Ravi Varma Raja, M	238	Ritter, Rev G	1004, 1028, 1038	Ross, Rev Z	1021
Raw, Rev H W	1018, 1038	Risley, H H	89, 448	Ross-Johnson, Mrs D	1198
Rawcliffe, Rev R	981, 1172	Rivett-Carnac, L W G	96	Ross, Rev R W	1007
Rawson, H H Vice Admiral Sir	83	Rivett-Carnac, Capt S	286	Ross-Johnson, D	895
Rawson, Col C O	265, 283	Rivett-Carnac, C J	289	Rost, Capt E R	699
Rayalu Chetty, T	1258	Rivett-Carnac, G	1251	Rostan, W B	292
Rayanna, Rev P	1011	Rivaz, C A G	291	Rothera, P	900
Raymond, Asst Surg H A	702	Rivaz, The Hon Sir C M	163	Roussac, H C	379
Ray, G C	100, 290	Robb, J	830	Routh, Lt-Col W R	290
Ray, Capt Mac C R E	108	Robert, N	1009	Rowland, Mrs G	1177, 1193
Rebero, A J	1177, 1192	Roberts, Rev E	1025	Rowland, Rev J	1015
Robello, F A C	291	Roberts, S G	208, 767, 1249	Rowlandson, F	714, 953, 954, 985, 987, 990, 1164, 1192
Redfer, Rev E W	1024, 1030	Roberts, J	89	Rowlandson, Col G	992
Redmond, L	281	Roberts, Rev W	1014	Royle, T H	880
Rees, Rev D A	1023, 1030	Roberts, R F	286	Roy, G P	410
Reeves, Lieut Col F C	158, 602, 651, 689, 693, 695	Roberts, Hon D T	102	Roy, J N	234
Reichards, Rev L	1025	Robertson, L	851, 1196	Roze, S W	298
Reid, Maj J H E	986	Robertson, Asst Surg D	701	Rudisill, Rev A W	1038
Reid, Surg Genl A S	115	Robertson, Lieut-Col D	101	Rudra, A C	712
Reid, R N H	271, 281	Robertson, Hon'ble Col D	1278, 1276	Rundle, Lt-Col C S	695
Reid, Major L H S	114	Robertson, W	105	Rungasami, S	842
Reid, Hon A H S	104	Robertson, F W R	238	Rungaswami Aiyangar, T	482
Reigan, J F	106	Robertson, H D	761	Rungaswami Nayudu, A	298
Reilly, O	148	Robertson, J H	198, 707, 767	Rungasamy Iyengar, A	1253, 1263
Reilly, Lt-Col E W	693	Robertson, Maj R	153, 636	Rungiah Chetty, S	149, 162
Reilly, H D C	222	Robertson, Hon F A	1024	Rungiah, M	412
Reilly, H T	232	Robertson, J A	290	Rungiah Naidu, M	379
Remontre, A E	714, 1193, 1196	Robertson, Major G A	103	Rungiah, Rev T	980, 1018
Rendel, H B	299	Robson, S	104	Ruppel, G A	847
Rendel, Str A M	902, 156	Robinson, Mrs	1177	Rusan, J S	1249
Renton, Lieut C C	987	Robinson, F M	847	Russell, C E M	713
Reusler, Rev G	1017	Robinson, J O	847	Russell, A F	296
Rennick, Lt-Col A de C	152	Robinson, S M	103	Russell, C L S	101
Reporter, Lt-Col M E	695	Robinson, S C H	239	Russell, Rev J M	1093, 1091, 1093, 1094, 1116, 1163, 1196
Reuger, Rev K T	1021	Robinson, Rev W	1020, 1038	Russell, J	90
Reynolds, B O	1146, 1102	Robinson, S M	104	Russell, Hon L P	95
Reynolds, M H	416	Rochford, H G	986, 991	Russell, S	176, 707, 704
Reynolds, H W W	149, 1189	Rodgers, F	149, 1189	Rustum Sing, Rao Bahadur, C	240
Rhodus, T C	877	Rodgers, J	149, 1189	Ryan, J H M	712, 1163, 1197
Rhenius, A	379	Rodrigues, Asst Surg A R G	701, 702	Ryan, Mrs	1193
Rhenius, C E	297, 298	Rodriguez, Asst Surg L K	703	Ryan, T	153
Rhiam, Miss	1001	Roe, Lt-Col R B	696	Rylands, H R	410, 411
Rice, T	157	Robuck, E H	846	Ryu Kurap, T C	592
Rice, B L	1254	Rogers, Miss F E M	1001		
Rice, Rev E P	1024, 1030, 1275, 1277	Rohwer, Rev J	1003, 1019		
Rice, Rev H	1003, 1031, 1032, 1038, 1041	Rohwer, Rev T	1003, 1019		
Rice, J	900	Rolle, E H	703		
Rice, L	900	Roll, H W	298		
Rice, P S P	202, 767	Rolland, C S	298		
Rich, Major C L M	115	Rollan, J	880		
Richards, Lieut F	159	Rollet, A G	271		
Richards, F J	230	Romilly, A G	936		
Ridley, M	103	Ronaldson, H W	291		

	Page		Page		Page
Saiyid Amir Hussein, The		Sarvathama Rao, N	708	Scudamore, Major C P	115
Hon'ble Nawab	99	Sarvathama Row, C	532	Scudder, Rev H J	1006
Saiyid Abdur Rahiman	712	Satagopa Nayudu, P N	710	Scudder, Rev J W	1002, 1038
Saiyid Akbar Hussein		Satakopa Chari, T M	1146	Scudder, Rev L H	1002
Khan Bahadur	103	Satthianadhan, Rev J	978, 1008	Scudder, Rev H T	1002
Saiyid Ausain Bilgrami				Scudder, Rev W T	1003
Hon Mr	88	Sathianadhan, S	978, 991, 1088, 1091, 1092, 1093, 1095, 1100, 1116, 1196, 1217	Seager, G	411
Sainthill, E W	105			Sebastian, Rev S A	1002
Saiyid Kadir Badsha		Sattya, J	1088, 1217	Selby, Capt M B	691
Sahib	234	Satyam Nadar, J	1196	Selby, F G	97
Saiyid Tajuddin Sahib	710	Satyanandam, Rev G	1011	Seenayya, B	1038
Saketaram Nayudu, M	246	Saunders, Col M	108	Sell, Miss E	1001
Saldanha, Asst Surg C T	705	Savi, Capt R J T	113	Sell, Rev Canon E	1038, 1041, 1090, 1092, 1094, 1116, 1164
Sale, Hon S G	90	Saxman, J	1276	Selvam, Rev J	1002
Salis, Rev M	1004	Saville, Capt E C	957	Sen, P C	106
Salla Gurusaamy		Savage, Vety-Major J B	115	Sen, C B	292
Chetty Garu,	602	Savarimuthu, Rev A	1015, 1016	Sengle, Rev P	1017
Sambamurti Aiyar, A	708	Savage, H	100	Servanton, Rev J B	1276
Sambasiva Aiyar, C	532	Sawday, Rev G W	1024, 1030	Sesha Aiyar, P S	710
Sambasiva Aiyar, N	708	Saward, Major-Genl M		Seshacharry, V	532
Sambasiva Iyer, V S	1263			Seshachellam Naidu, S	379
Sambayya, P	708			Seshadriangar, C	1255
Sampson, K	1011			Seshadri Rao Pantulu, C	242
Samson, Rev P	1020			Seshagiri Aiyar, T V	1184
Samuel, Rev A W	1021			Seshagiri Rao, A	299, 1258
Samuel, Rev S	978			Seshagiri, Rev C B	1255
Samuel Gurn, J D	993			Seshagiri Rao, N	298
Samuel, Rev D	1019			Sethna, R D	96
Samuel, Rev G	1016			Seton, Capt B G	114
Samuel, Rev J A	1023			Servanton, Rev J	1268
Samuel, J W	379			Sewall, Rev J D W	1090, 1092, 1094, 1117
Samuel, J	992, 1009, 1019			Sewell, Lt-Col J D W	767
Samuel, Rev K	1011			Shadbat, E I	152, 161
Samuel, Rev K	1018			Shahwin Talpur, Hon Mr	95
Samuel, L D	992				
Samuel, Rev N	1009, 1041			Shama Rao, M	1254, 1256
Samuel, Rev N J	1021			Shama Rao, D	1256
Samuel, Rev P	1011			Shamalingar, K	1236
Samuel, Rev B S	1021			Shaik Abdul Ahmed	
Samuel, S S	991			Risaldar,	94
Samuel, Rev T	1010			Shaik Farid, Subadar	92
Sandana, S X	232			Major	
Sandell, Au R	759			Shakespeare, A M W	102
Sandes, Lt E W C	158			Shand, A R	842
Sandegren, Rev K J	1016			Shantiah, C S	1013
Sandford, C W	291			Sharma, Capt E H	698
Sandford, Rev R	1023			Sharp, Capt F	987
Sandys, Lt E S	113			Sharp, Rev A A	953, 965, 977, 988, 1177, 1192, 1194
Sangar, R	901			Sharp, Rev J	993
Sanjana, Lt-Col K C	696, 762			Sharpe, W S	410, 411
Sanjiviah, R	1012			Sharpe, A	84
Sankarasubba Aiyar, Hon S	1091, 1092			Sharrock, Rev J A	1040
Sankara Aiyar, A	1090, 1092, 1093			Shatagopalangar, C	1258
Sankara Menon, K P	1091, 1093			Shaw, E	842
Sankara Nair, Hon C	1090, 1115			Shaw, Rev F	980, 1013, 1192
Sankara Rao, T	1092, 1094			Shaw, J	902
Sankaran Nayar, C	602, 1092, 1093, 1094			Shaw, W C	767
	1095, 1193			Shaw, A T A	105
Sankariah Avergal, A	652			Shaw-Stewart, Major Genl	900
Santhiappan, R	1016			J H M	
Sastriyar, Sir A S	1090, 1092			Shearer, Lt-Col J	108
Sastappa, S	1277			Shearme, D	105
Saravana Mudaliar, C	299			Sheefshanks, R	90, 101
Sarguner, S	532			Shelford, E J	151, 1192, 1193
Sarkies, Lt-Col S C	695, 762			Shelley, Major A D G	851, 874, 900, 901
Sarlers, A E T	105			Sheng Pillai, V	1084
				Shephard, J J	1199

	Page		Page		Page
Shephard, Hon Mr Justice		Singer, Rev F	1017	Smith, Rev G H	977, 1170, 1171
H H	711	Singeri Nayudu, P	299	Smith, R P	412
Sheppard, Capt G S	114, 157	Singara Char, P	1263	Smith, W D	602
Sheridan, H C	378	Singh, G B	410, 1014	Smith, W E	767
Sherlock-Hubbert, G H	100	Sinnett, A P	1195	Smith, W S	1196
Sherman, Asst Surg H		Sita Rao Pantulu, P	238	Smith, E W	298
M	701	Sitarama Rao Nayudu, E	244	Smyth, Capt W C	152
Sharma, H R	297	Sitarama Aiyar, S	157	Smyth, Lt-Col J	636, 1090, 1094, 1095, 1106, 1253, 1272
Shri Singh Bahadur, Ris-		Sitarama Aiyar, A	1091	Smyth, T W S	271
aldar Major	107			Smythies, A	107
Shewari Nader, Rev S	281	Sitaramaya, Y	1236	Soden, E Von	1176
Shewin, Lt-Col M T	987	Sitaramayya, P	240	Soans, Rev J B	1004, 1028
Shields, I M	962	Sivagnanam Pillai, T N	242	Solomon, Rev A	1005
Shields, J C	410	Sivagnanam Mudaliar, P	602	Solomon, Rev G	1010
Shipley, E H	149, 196, 767, 987	Sivarama Aiyar, K V	137	Solomon, Rev V	1022
Shiva Row, K	412	Sivarama Aiyar, P	240	Solomon Pillai, S	157
Shone, Major-Genl W T	108	Sivaswami Aiyar, P S	1091	Solomon Pillay, T A	640
Shoobridge, J O	501			Somasundara Rao Pantula,	
Short, J	714, 979, 1091	Skinner, Rev W	1013, 1033	T	1102
				Somasundara Sastri,	
Short, G R	1249			N S	236
Short, Vety-Major, F J	115			Soma Rajulu Sastri, N	710
Short, Capt W A	114			Somiah, L	1011
Shrawabury, Rev J S W	1023			Somachalam Pillai, M	287
Shrimpton, Rev J	980			Sondrum, P S	1084
Shubrick, R L	762			Soolarsaya Chettiar, C	102
Shunker, C T	291			Soolarsaya Naicker, P	152
Shunker, Asst Surg E L	701			Soolarsayah Chetty, V	1196
Shunmugasundaram Pillay,				Soper, Rev W H	1026, 1029, 1040
M S	603				
Shunmugam, Miss A	155			Soundararaja Aiyangar, S	298
Shuttle, S A	987			Souti, Rav K J	1006
Sice, M F D J	410			Souter, C A	280
Sidney, T S	712			Sorell, Lt-Col F S	100
Silcock, J G	104			Sowden, C	835, 847, 851, 855, 1038, 1165, 1196, 1119
Sikemier, Rev W	1020, 1038			Sowens, Rev J	1093
Silliman, Rev E E	1011			Sowerby-Goo, C W	410
Sil, A E	109			Spalding, C J	1224
Sim, H A	92, 149, 478, 767, 1162, 1196, 1249			Spaulding, Capt W B	158
Simon, A T	846			Spankie, G T	102
Simon, Rev B	1010			Spence, Capt J	1269, 1270
Simon, Rev S E	1006			Spencer, Rev J F	990, 1040
Simon, Hon Lieut J R	701			Spencer, C G	200, 767
Simon, Rev S	1015			Spencer, Hon Mr J K	87
Simon, T W	846			Spencer, H M	846
Simpson, Major-Genl G	113			Sparkes, H H	1273
Simpson, C B	842, 846, 851, 1102			Spencer, Rev H	1021, 1268, 1274, 1277
Simpson, C S	161, 1249			Spaich, Rev R	1004
Simpson, Major D	697, 762			Spring, F J E	152, 161, 1091, 1094
Simpson, J M	767, 770				
Simpson, J W	161, 297, 482, 896			Sprott, F L	97
Sirapson, M G	409, 410			Squires, G W	158
Simpson, R A	287			Spurling, F	267
Simpson, W M	901			Sreenivasa Aiyangar, M	246
Simson, C W	151			Sreenivasan Iyer, C	1255
Sinclair, C H	846			Sreenivasalingar, S S	712
Sinclair, Surgn-Genl D	88, 162, 692, 693, 1162, 1178, 1190, 1198, 1232			Srikrishna Patrala, P	244
				Srinivasangar, C	1253
Sinclair, Mrs	1178			Srinivas, T	712
Singara Mudaliar, T	106, 903			Srinivasa Aiyangar, A	710
Singarachariar Rao Baha-				Srinivasa Aiyangar, D	265
dur, M A	1184, 1197				
Singaravulu Mudaliar,					
A	1252				
Singaravulu Mudaliar, M	155				
Singaravulu Pillai, P S	340				
Singaravulu Nayakar, C	1184				
M	1184				

	Page		Page		Page
Srinivasa Rao, Dewan Bahadur P	1092,1093	Sterling, G C B	106	Stuart, D A	847,851
Srinivasa Aiyangar, K	281	Sterndale, R A	84	Stuart, Mrs G H	1178
Srinivasiengar, W	1257	Stevens, Hon J F	90	Stuart, Hon Mr G H	92
Srinivasa Aiyangar, K V	240	Stevens, A H	986	Stuart, H A	154,184,758,767
Srinivasa Aiyangar, R A	271	Stevenson, Col K F	1039,1526	Stuart, Mrs	1193
Srinivasa Aiyangar, R	272	Stevenson, E S B	758	Sturge, P H	1091,1093,1095
Srinivasa Aiyar, Diwan Bahadur K V	92,154	Stevenson, E T H	760	Sturges, Lt Col A J	649
Srinivasa Aiyar, T V	244	Stevenson, Rev R H	972	Sturges, Lt Col A J	649
Srinivasa Chari, E	236	Stewart, C E	1031,1032	Sturges, Lt Col A J	649
Srinivasa Chari, P S	760	Stewart, Major J F	150	Sturges, Lt Col A J	649
Srinivasa Chari, S C	248	Stewart, Rev J	1013,1038	Sturges, Lt Col A J	649
Srinivasa Aiyangar, D T	157	Stewart, Rev J	1162,1163	Sturges, Lt Col A J	649
Srinivasa Aiyangar, Rao Sahib R	286	Stewart, Major J F	1033	Sturges, Lt Col A J	649
Srinivasiyengar, K R	1266	Stewart, Major T W	697	Sturges, Lt Col A J	649
Srinivasa Chari, M	248	Stewart, Miss H I	1168	Sturges, Lt Col A J	649
Srinivasa Aiyangar, Rao Sahib R A	251	Stewart, Wilson, C	101	Sturges, Lt Col A J	649
Srinivasa Iyer, R V	255,532	Stewart, John, C W P	298	Sturges, Lt Col A J	649
Rao Bahadur	1090,1092,1094,1095,1116	St. Leger, W D	976,1177,1181	Sturges, Lt Col A J	649
Srinivasa Mudaliar, M	159	Stier, Rev P	1020	Sturges, Lt Col A J	649
Srinivasa Aiyangar, V T	282	Stillwell, Rev H E	1014	Sturges, Lt Col A J	649
Srinivasa Row, H	1256	Stillwell, Rev J R	1008	Sturges, Lt Col A J	649
Srinivasa Rao, Hon'ble G	92	Stoddart, J H	763	Sturges, Lt Col A J	649
Srinivasa Row, Dewan Bahadur P	1090	Stodart, Capt T	698	Sturges, Lt Col A J	649
Srinivasa Rao, G	632	Stokes, H G	216,244	Sturges, Lt Col A J	649
Srinivasa Rao, J	1112	Stokes, Rev W	150,1020	Sturges, Lt Col A J	649
Srinivasa Rao, M	234,1253	Stokes, Hon Mr G	92,161,172	Sturges, Lt Col A J	649
Srinivasa Rao Pantulu, S	288	Stokes, Hon'ble G	1090	Sturges, Lt Col A J	649
Srinivasa Pillai, T	151	Stone, Rev G	1091,1093,1249	Sturges, Lt Col A J	649
Srinivassagun Pillay, Asst-Surg J J	703	Stone, Ven A E	90	Sturges, Lt Col A J	649
Srinivasa Raghava Aiyangar, Diwan Bahadur S	154,532,1091,1092,1093,1116	Stone, F W M	298	Sturges, Lt Col A J	649
Srinivasa Raghava Chari, B	562	Stone, Rev H C B	954,970	Sturges, Lt Col A J	649
Srinivasa Sastriar, V S	1184	Stone, J H	1090,1092,1094,1095,1098,1116,1196	Sturges, Lt Col A J	649
Stagg, Hon Capt V J	700	Stoney, R F	153	Sturges, Lt Col A J	649
Stagg, Hon Sir A	977,986,1121,1177,1192	Stoney, Lieut G B	114	Sturges, Lt Col A J	649
Stait, Rev F W	1019	Stoney, E W	1090,1094,1096	Sturges, Lt Col A J	649
Stanes, T	1039	Stoney, Miss E	1193	Sturges, Lt Col A J	649
Standage, Capt R F	101	Stoney, Mrs	1193	Sturges, Lt Col A J	649
Standbridge, Col E B	109	Stowbridge, H O B	95	Sturges, Lt Col A J	649
Stanton, Major E C	136	Stoney, T P R	104	Sturges, Lt Col A J	649
Stanley, Mrs	117	Strachan, Rt Rev J M	106	Sturges, Lt Col A J	649
Stanley, Rev A E	953,967	Strachan, R F	1090,1092,1094	Sturges, Lt Col A J	649
Stanley, T W H	1249	Strachey, Capt E H D	191	Sturges, Lt Col A J	649
Stanley, H T	894	Strachey, Hon Sir A	102	Sturges, Lt Col A J	649
Stanley, H J	1177	Strachey, Major J	90	Sturges, Lt Col A J	649
Stanley, G W	379	Strachey, Major R J	115	Sturges, Lt Col A J	649
Starling, Hon'ble M H	96	Stradiot, E	1117,1156	Sturges, Lt Col A J	649
Stawell, Col G D	108	Stragman T J	96	Sturges, Lt Col A J	649
Stanton Rev W A	1013	Stranack, A W G	842,982	Sturges, Lt Col A J	649
Stephen, Hon'ble H L	90,96	Strange, A B	896	Sturges, Lt Col A J	649
Stephens, B	287	Steinvasa Sastri, T P	291	Sturges, Lt Col A J	649
Stephens, W B	842	Streetsasachari, A	1276	Sturges, Lt Col A J	649
Stephenson, F H A	846,1199	Streetsasachari, A P	1183	Sturges, Lt Col A J	649
Stephenson, Rev W W	1002	Streetsasachari, A P	1183	Sturges, Lt Col A J	649

	Page		Page		Page
Saidur Hussain	159,378	Swarby-Coo, C W	97	Theruvengadathan Chettiar, P	1181
Suffolk, Capt H M P	83	Swettenham, Sir J A	83	Thiagaraja Aiyar, T S	709
Sullivan, C	288	Sydenham, W S B	398	Thibant, G F W	103
Sullivan, H E	761	Syed Hashim Belgrami	718	Thirumalai Iyengar, C	379
Sultan Mohi-ud-din Sahib	159,764,767,1091	Syed Husein Belgrami	718	Thirumalai Pillai, V	714
Sumitra, Rev O	1092,1094	Nabob Inad-ul-Mulk Bahadur	1092,1094,1116	Thiruvethasan, Rev M	1015
Sundaravolu, Rev R T	880	Syed Mahomed	379	Tholasingam, P D	1034
Sundaram, Rev R T	880	Syed Mohidin	412	Tholasingam, A D	1034
Sundaraya, J	1018	Syed Morteza Sahib	159	Thom, W	878,1196
Sumpunghee Natter, P	263	Sykes, O J	148,291	Thomas, Rev A A	1021,1039
Samu Khan, C	896	Sykes, E	194	Thomas, Asst Surg A W	708
Sundara Panaiyya, V	532	Syme, W	412	Thomas, Rev B	1002
Sundara Sastri, B C	532	Symons, Capt T H	637,693	Thomas, Lt-Col G T	694
Sundara Nana Rao Pantulu, J	708	Symonds, A P	846,1199,1224	Thomas, Capt H S G	156
Sundara Rao, T	236	Symonds, W P	97	Thomas, I C	409,410
Sundara Mudaliar, A P	842			Thomas, J R	712
Sundaram Iyer, E	1258			Thomas, Rev P	1015
Sundaram Aiyar, P K	160			Thomas, P B	753
Sundaram Pillay, M	379			Thomson, Rev G N	1010
Sundaram Chetty, K	709			Thomson, Lt-Col W F	695
Sundaram Pillai, V	155			Thomson, Lt-Col G T	106
Sudarsana Mudaliyar, V E	248			Thompson, Lt-Col C M	692
Sundra Chetty, P V	379			Thompson, A	210,714,767
Sundaram, Asst Surg R	705			Thompson, Rev A	1027
Sundaram Pillay, H	411			Thompson, Rev E W	1023
Sundaresa Mudaliar, R	242			Thompson, H J	1275
Surra, B	769			Thompson, H T	896
Suryanarayana Pantulu, V	309			Thompson, M A	410
Suryanarayana Prasad Rao	246			Thompson, R A	1116
Sutherland, J	842			Thompson, G	896
Sutherland, W	410			Thompson, R G A	298
Sutherland, Major W D	697			Thomson, R G A	149,150
Saviesham, Rev M	1008			Thomson, Mrs	1177,1178,1193
Savieshamutha, T	1022			Thomson, Hon Mr J	92
Swami Aiyar, T	710			Thomson, Lt Col S J	103
Swami Rao, H	155			Thomson, J B	102
Swamidasa, T	993			Thomson, Major S	115
Swamidoos, D V	1022			Thomson, Maj H	696
Swamikannu Pillai, L D	149			Thomson, Major J	691
Swaminathan, S	713,1108			Thomson, Lt-Col W B	690
Swaminathan, S P	652,1142			Thomson, R	711
Swaminatha Aiyar, S A	254			Thornburn, W M	174,707,767
Swaminatha Aiyar, Dewan Bahadur S	236			Thorne, R S	1090,1142
Swaminatha Aiyar, T M	109			Thornton, The Hon L M	102
Swaminatha Aiyar, V	708			Thornton, B L R	204,707,767
Swaminatha Pillai, O	1142			Thornton, Lt-Col E Z	902
Swaminatha Sastri, S A	709			Thorp, Rev W H	1024,1030
Swaminatha Jeyasubbar, V	1182			Thoymanasawmy Mudaliar, N M	650
Swaminatha Shastri, S	708			Throp, Capt A E	691
Swamiodayan, V	1014			Thunbo Chetti, T R	1274
Swain, Lt-Col C L	100			Thurley, R M	161,297,298
Swaney, Lt-Col C L	694			Thurston, Dr E	482,1196
Swana, R L	771			Thyagaraja Aiyar, S	714
Swayne, Lt-Col E J E	81			Thyagaraja Iyer, V R	1254
Swanson, Miss	1004			Thiagar, R F	297,298
Swamy, Capt M	691			Tilly, H L	105
Swamy, W E	379			Tillik, V V	96
Sweeney, P M	760			Timin, Rev J	1023
Sweet, H E	769			Timmoke, Rev J T	1023
Sweeting, P P	769			Timothy, B	1012
Sweet-Escott, E B	84			Timpany, Rev J S	1025,1030
Swettenham, Sir F A	84				

	Page		Page		Page
William, Rev C	1015	Winterbotham, Hon Mr		Wroughton, R C	97
William, Rev J	1007	H M 92,170,652,767,1091,		Wyckoff, Rev J H	1003
Williams, Capt C A M		1093,1177,1178		Wynech, L M	92,163,188,
	97	Winterbotham, Mrs	1177,		767,1196
Williams, A	89	1178,1186,1193		Wyman, A S	895
Williams, Ven A A	953,954,	Winters, Rev C T	1026,1029	Wynns, Asst Surg F A	651,
955,976,988,1092,1093,		Winterton, A R B	714		701
1163,1178,1186,1192,		Witney, J B	916,1333	Wynne, S H	767
1193,1194,1196,		Wittmann, Rev N J	1003	Wynne, Hony-Col T R	88
Williams, H C	100	Wohlenberg, Rev C	1023		
Williams, Mrs A A	1103	Wolf, Rev D L B	1039		
Williams, C B	163,410,411	Wolf, Rev L B	1009		
Williams, Maj C L	697	Wolfe-Barry, Sir J	859,986		
Williams, O T	410	Wolfe-Murray, F D A			
Williams, Lt-Col G A	114	O	176,707		
Williams, J	240	Wolseley, Lt-Genl Sir G			
Williams, J	896	B	109,156,1178,		
Williams, Major G R	985,		1190,1249		
	1267	Womack, A S	107		
Williams Pillai, L C	1091,	Wood, C W	271,283		
	1092,1101	Wood, J B	89		
Williamson, Asst Surg		Wood, Capt M D	94		
J H	702	Wood, P C	1192		
Williamson, H C	842	Wood, R B	212		
Williamson, Lt-Col C V		Woodroffe, G W P	846		
W	115	Woodward, Rev E	1024		
Williamson, W J F	220	Wood, S R A	410		
Willis, J	153	Woods, B R	292		
Wills, H T	1040	Woodhouse, A C	238,767		
Willcock, W A	767	Woodhouse, M	767,771,986		
Willoughby, Major M E	114	Woodhouse, W J	298		
Wills, A	714	Woodman, J V	80		
Wilson, Sir D	83	Woodman, H C	93		
Wilson, A	379	Woodroffe, Hon Mr J T	90,		
Wilson, Hon Mr J	103,104		99,101		
Wilson, A B	88,89	Woods-Scawen, E C	1192		
Wilson, C S	378	Woodward, Sergt M	158		
Wilson, C D D	152,161	Woodward, Rev E	1006		
Wilson, T C	105	Wolf, Rev L B	1091,1092		
Wilson, Rev F R	1024	Wolfe-Murray, F D A O	767		
Wilson, G	290	Woolam, W D	290		
Wilson, J R	298	Woolcombe, Col C L	103		
Wilson, R M	896	Woolien, Rev J	1019		
Wilson, W H	1090,1092,	Woodyatt, Major N G	109		
1094,1096,1103,1116,		Wortabet, Lt-Col H G			
	1196	L	695,986		
Wilson, J S	285	Worgan, T H	221		
Wilson, F G	270	Wright, W B	902		
Wilson, J S	271	Wright, Rev C H L	953,		
Winckler, E	987		952,977,983,993,1170,		
Winckler, Asst Surg P			1180,1193		
A	701,702	Wright, H N	102		
Windham, A R	900	Wright, Major E H	163,		
Windle, C H	881		692,697		
Windle, E G	1249	Wright, W G	1333		
Winter, G B	906	Wright, Col H C	987		
Wingate, Col G	115	Wright, G H	714		
Wingate, J B	105	Wroughton, H W F	297,298		

RETROSPECT FOR 1902.

HOME.

THE BOER WAR.

HERE were two important epoch-making events which marked the annals of the year 1902.—the close of the Boer War and the Coronation of His Majesty King Edward the Seventh. When the year opened, notwithstanding the recent reverses at Tweefontein, a feeling of optimism prevailed throughout the world that the war was nearing its end; the reduction in the enemy's strength steadily continued; markets were becoming active, and a large amount of property changed hands. New industrial and commercial enterprises were promoted and the work at the mines was steadily resumed on the settlement of the native labour question. Merchants were given the widest facilities for the importation of all but the heavier class of goods. Even the Boers recognised the change that had come over the place, and some of the wealthier and keener among them actively took part in the beginning of the great development which they saw and welcomed. On the other hand, in consequence of De Wet's small successes the attitude of Mr. Kruger and his followers in Europe was reported to have become very provocative and defiant and more than ever determined to claim the three ~~things~~ peace, independence and integrity of the Boer States, amnesty for the Cape rebels, and compensation for destroyed farms, mainly because Mr. Kruger firmly believed to the delusion that Divine Providence would intervene to give his elect people, the Boers, the final victory. "People," he said, "have pretended that our Republics were annexed, and that we had lost our country and our nationality. But in God's eyes this annexation is null and void, for our free citizens recognise no other master than He. It is from Him that they possess the right and liberty, and so long as He does not withdraw them they will defend them to the death. It has been proclaimed that the war was over; that peace was re-established in our districts and that there remained only a small number of rebel groups and bandits. But it has become evident to the whole world that these declarations are contrary to the facts. Peace had been offered to us as well as amnesties and pardons, and financial aid to repair our losses. But at what price? At the price of our independence, as if that were a thing to be bought and sold. No, not all the treasures of the world could pay for our liberty. But it is God who gave it to us, and we could not give it up without repudiating God and meriting His maledictions. We have appealed, as was our duty, to the good offices of the International Arbitration Court, instituted for settling differences between civilized nations. We have appealed to the consciences of Governments, but hitherto we have not been listened to. Are we discouraged? In no way; when the Lord shall Himself summon these Governments, they will be forced to come and take the road which will be indicated to them, and stop at the place which He will mark out for them. The English Government will, no more than the others, be excluded from this summons, in order that it may accept our offer of arbitration, peace, and friendship. The English Government and people will then have to bow before the Divine Will, they will have to open their eyes and be converted." And so

the war went on, and England calmly awaited the course of events in South Africa, for although peace rumours circulated and multiplied, it could not be said that any convincing or authoritative statement had been offered as to what was really passing at Kroonstad or Lord Kitchener's camp. It was not till some time later that, in pursuance of the understanding arrived at by the Boer delegates, at a conference, and seeing the hopelessness of continuing the struggle, that the delegates engaged themselves in the mission of visiting the Burghers in the field with reference to the question of surrender, each district being visited in rotation, and the meetings being representative of such districts. Louis Botha took the south-eastern district of the Transvaal; Lucas Meyer visited the north-eastern; Schalk Burger and Delarey took the western; Reitz the northern, and Steyn and De Wet the Orange River Colony. The opinion of the prominent Burghers, who at the time were in a position to estimate the feelings of the Boers in general, was that if the delegates placed faithfully the condition of affairs before the Burghers, the latter would have been guided by peaceful counsels. The course of the peace negotiations up to this point was this:—On receipt of the correspondence with the Dutch Government, which was forwarded under instructions from His Majesty's Government, to Mr. Schalk Burger, the latter decided to act upon the intimation conveyed by it, that although the British Government would not treat with the Boers in Europe, they would listen to any proposals from the Boer commandants in the field. He thereupon came into the British lines and requested and obtained permission to consult with Mr. Steyn. At the conference held at Klerksdorp between them and the Boer officials, including Botha, Delarey and De Wet, who had in the meantime joined them, they agreed to proceed to Pretoria in a body, and approach the High Commissioner and the Commandant-General. Their proposal was that the two Republics should merely consider the demands made by the British Government before the war in regard to the franchise, etc. His Majesty's Government, on being apprised of these proposals, so confident of that "fault of the Dutch" of "giving too little and asking too much," naturally expressed their astonishment that the Boer leaders should still so completely misapprehend the situation, and referred them to the Middelburg Conference for the maximum of concessions that could be granted to them. Thereupon the Boer leaders asked to be allowed to consult their friends in Europe or to have some one from amongst them sent over to South Africa to assist them. To this demand Lord Kitchener returned a categorical refusal, and it was dropped, as the British Government intimated that if the Boers did not, as it would appear, intend to make any serious proposals, the negotiations had better be brought to an immediate termination. Thereupon the Boer leaders stated that, before entering upon any negotiations on the basis of the surrender of the independence of the two Republics, they must have authority from the Burghers, and for this purpose they asked for an armistice. The armistice was refused, but Lord Kitchener undertook that whilst military operations would not be suspended, the Burghers should not be molested whilst actually holding such meetings as might be necessary to secure the authority required by the leaders for further negotiations. They were at the same time given clearly to understand that if they decided to return to Pretoria with a view to resuming negotiations, they must be armed with full powers for the purpose. To these terms Mr. Schalk Burger gave an unqualified assent, but Mr. Steyn's acquiescence was less unreserved. On the conclusion of the meetings of the Boer leaders with the various commandos, a combined conference was held at Vereeniging on 31st May for a final discussion of the question of the terms of surrender, and the text of the resolution adopted was as follows:—"That this meeting of representatives of the Transvaal and the Orange Free State people learns with regret that the

conditions of His Majesty's Government must be agreed to just as they are or not at all. It deplores the refusal of the British Government to negotiate on the basis of independence, or to allow the Transvaal Government to enter into communication with the delegates in Europe." After reciting the results of the war, the devastation of the country, the formation of the Concentration Camps, the hostile attitude of the natives, the threatened confiscation of the Burghers' property, and the impossibility of retaining the prisoners captured from the British when the Boer prisoners were being deported; and setting forth that the small fighting remnants were in a state of starvation, and that there was no expectation of victory, the resolution proceeded "That this meeting is of opinion that there is no longer any reasonable ground for expecting a continuation of war will ensure independence, and no justification for prolonging hostilities. It, therefore, accepts the conditions, and expresses its confidence that the situation thus created will soon be improved, so that the people may advance to the full enjoyment of the privileges they are entitled to." The resolution concluded:—"That this meeting has received with profound satisfaction an intimation to the effect that a great measure of amnesty will be granted to British subjects who fought on their side, and hopes that His Majesty will extend the amnesty still further." The "open letter" of the Chief Military and Civil leaders of the Boers to their people in the field on the occasion of the signing of the peace conditions was a notable document. It was addressed to all officers and officials, and Burghers of the South African Republic, who faithfully fulfilled their duty to the land and people, and explained that the leaders felt it their duty to address a word of thanks to their followers on ending the struggle. "We heartily thank you for your heroism, for your sacrifice of so much that was dear to and beloved by you, for your obedience, and for the faithful discharge of duty, all of which serve to the honor and glory of the Afrikaner people. We counsel you all to acquiesce in this peace, to conduct yourselves quietly, and peacefully to obey and respect the new Government. Further, we would inform you that a Head Commission has been appointed by the representatives of the two States for the purpose of obtaining money and means to provide, as far as possible, for the widows and orphans whose husbands and fathers have given their lives in the struggle for freedom and justice, and whose memory will ever remain in our history. We would also express here our heartfelt sympathy with those who mourn, and pray that God may give them strength to bear their cross. We would also speak a word of praise and thanks to our women and children who have borne so heroically the most bitter sacrifices and sufferings. Now there is Peace, and although not a Peace such as we longed for, yet let us abide where God has led us. We can with a clear conscience declare that for two and a half years our people carried on the struggle in a manner almost unknown to history. Let us now grasp each other's hands, for another great struggle lies before us, for the spiritual and social prosperity and welfare of our people. Casting aside all feelings of bitterness, let us learn to forget and forgive, so that the deep wounds caused in this war may be healed." And all over the country, in the Transvaal, in the Orange River Colony and in the Cape Colony the Burghers rode in to surrender in this spirit. It was said that the simple dignity of the principal Boer leaders and the admirable temper of the surrendering Burghers, who came in quite cheerfully for disarmament, produced a most favourable impression even among those who were inveterate pessimists regarding the future of South Africa.

The war came definitely and finally to a conclusion with the declaration of Lord Kitchener that he had handed over the South African Constabulary to the Civil authorities, the necessity for any further operations having ceased. The first shots in the campaign of over two years and a half were fired on the night of October 12th,

1899, thirty hours or so after the expiry of the Boer Ultimatum at Kraaipan, a station on the railway, forty miles south of Mafeking. In this affair an armoured train was wrecked by the enemy and the crew were captured. The last shots of the war were apparently discharged on June 4th, 1902. This was near Vereeniging, where the convention of Boer delegates had been held a few days before. Lieutenant McKeich, of the 2nd Brigade, 9th New Zealand Contingent, was killed and Lieutenant Payne, of the same corps, was slightly wounded. The original estimates placed the possible Burgher Muster of the Transvaal at about 30,000 men and that of Orange at 22,000, or a total of 52,000. It was known that a considerable number of foreign volunteers had joined the Boers at the outset, and that a good many more got there after the Boer Bay, but the precise number was always uncertain. And so, too, was the case concerning the rebels of the Cape Colony and Natal who went out to fight. There were no exact means of ascertaining the Boer losses during the first eighteen months of the war, but in April of last year Lord Kitchener began to send home weekly reports of the killed, wounded, captured and surrendered. Up to May, 1902, the Boers killed, vouched for by Lord Kitchener as actually counted, amounted to 2,200; but doubtless the enemy buried many more, of whom British officers had no cognisance. Then on November 13th, 1901, Lord Kitchener accounted for about 8,000 more prisoners and surrendered. At Komati Poort, on September, 1900, after the Boer débâcle, some 2,000 of the enemy laid down their arms and most of these were deported to Portugal. Finally, the Boer losses by death in action, by wounds and by disease, cannot have been less than 10,000. Lastly, nearly 18,500 men surrendered since the peace, and besides, there were considerable numbers of men, quiet at their farms, who had been in arms against us. So that it is a practical certainty that the Boer leaders had arrayed against us at least 80,000 men, and probably 85,000. The decision of the Burghers at Vereeniging to accede to the terms offered by the British Government was telegraphed to the Commander-in-Chief at Pretoria, and Lord Kitchener communicated at once with the War Office and shortly after telephoned the intelligence to Lord Milner at Johannesburg, adding that he hoped that the representatives of the Boers would arrive in Pretoria in time to sign the document containing the terms of surrender that night. The Boer representatives, twenty-one in all, arrived and were conveyed direct to Lord Kitchener's house. A brief discussion ensued. The Boers were inclined to dilate upon the trouble they had experienced in persuading the Vereeniging delegates to accede to the British proposals, and it seemed almost as if some objections might still be raised, but the final point was reached at last, and quietly and deliberately the Boers affixed their signatures to the document, followed in turn by Lord Milner and Lord Kitchener.

Not now, not for years to come, will England fully realise the creative significance of the warlike crisis through which she has passed. Its consequences will be still strengthening and spreading when the present generation has passed away. It was scarcely believed, it was hardly considered possible, that the Colonies could have raised more men for the recent campaign than the total number of British forces who fought under Wellington at Waterloo; and when we think of the comparison, so familiar now that we scarcely grasp, perhaps, its immensely striking character, we cannot but be struck by the evidence not merely of a mighty promise for the future, but of a power already to be reckoned with in any emergencies that may hap to threaten the world-wide interests of Great Britain. But striking as was this revelation of the limitless resources of the Empire, it was less momentous than the object-lesson offered by the intervention of the Indian Army, in the Chinese imbroglio. In this case, while England's hands were fully occupied in South Africa, a crisis of the

most grave and urgent character broke out in the East at one of the danger spots of world-policy. But thanks to the Indian troops alone, we were able to assert our interests upon equal terms on the most remarkable array of international forces ever witnessed. That this should have been possible in spite of the enormous demands for men and treasure made upon us by the South African War, was a fact which struck the imaginations of the whole world as nothing else had done before, and was rightly regarded as the crowning proof, if further proof were needed, of the inexhaustible succession of various forces which Britain can set in motion to cope with any need that may arise in which she is called on to assert her independence.

THE CORONATION.

The Coronation and the long-drawn suspense and superstitious prognostications, consequent on the King's sickness, so little expected by the people, are already matter of history in these days of high pressure. The Coronation of King Edward the Seventh was the universal topic of conversation months before the event, and when the illness which placed his Majesty's life in such jeopardy compelled the sudden postponement of the celebration on the eve of what must have proved the greatest historic pageant of the present generation, the feeling of profound sorrow was undoubtedly mingled with one of disappointment. But the latter faded rapidly away, leaving only deep anxiety for the King's life and comfort during the critical operation and the period of prostration that followed. It is simple truth to say that for full forty years, as Prince of Wales, he gave every proof of loyalty and devotion to the welfare of the people and the Empire. The genial Prince was everywhere known as a typical Englishman, mindful always of the power and influence his position enabled him to exercise for the general good. That this thoughtfulness and feeling for others remains the same as ever was evinced by his touching letter to his people. His "heartfelt appreciation" of their sympathy, the note of sincere regret at the "inconvenience and trouble" caused by his illness, and his gratitude to Providence for his recovery, made up an appeal that must have moved all hearts. It is such things as these—the kindly acts of a kindly nature—that have done more than any performances of strictly royal functions to increase the love and loyalty of his people, and to deepen the earnestness and devotion of the cry which resounded throughout the Empire, on the 9th August, GOD SAVE KING EDWARD! Happy is the King in his Consort also, for since the "Sea King's daughter from over the Sea" came over as the youthful bride of the Prince, she has by a thousand acts of quiet and unobtrusive kindness and mercy won the hearts of all her subjects. "What," asked Horace Walpole, "is the finest sight in the world? A Coronation. What do people most talk about? A Coronation. What is the thing most delightful to have passed? A Coronation." Of a truth, a Coronation is a supreme pageant. The great ceremony is over, and will remain a glorious memory unmarred by any incident to cause regret. In this connection, referring to the Coronation of our late beloved Queen, the then Chancellor of the Exchequer said, "Never was there given to a sovereign or to a country a more exalted proof of good conduct and discretion than was afforded by the assembled multitude on this occasion." What was said to be true of 1838, was said to have been true of 1902. To all concerned in the Coronation arrangements the King expressed his satisfaction and pleasure, for there never was, it was agreed, a great function more orderly and quietly witnessed by the great multitude who came to witness the same than on Saturday, the 9th August. The manners of these latter times may, like fashion, have changed, but the "exalted proof of good conduct and discretion" was said to have been afforded by the crowds who thronged the metropolis throughout the memorable day.

With all regal magnificence, deep religious solemnity, and the emblematical circumstance of the ancient rites that appertain to Coronations, King Edward the Seventh and Queen Alexandra were proclaimed in Westminster Abbey. Owing to the recent severe illness and suffering of his Majesty the proceedings were shortened. Four hours before the starting forth of the Monarch from Buckingham Palace the Abbey doors had been opened, and when the King arrived everything was in readiness for the procession. When the preliminaries had been completed, and the Primate had placed the Crown upon the head of the Sovereign, the assembly, numbering over six thousand persons, broke into one mighty acclamation, "GOD SAVE KING EDWARD." Drums rattled and rolled, trumpets blared and signals flashed from roof to roof, while the echoes from the salutes of the great guns of the Tower and the batteries in Hyde Park echoed and re-echoed faintly within the ancient fane. The Queen having been anointed with the holy oil upon her head, was quietly crowned and then conducted to her own throne without further ceremony or any shouting such as accompanied the crowning of the King. With the close of the Communion service there came certain special prayers, and then the final Benediction. The King, wearing his Crown and carrying his Sceptre and Rod in his hand, then descended from his throne and passed by the side of the Altar into St. Edward's Chapel. Here his Majesty was disrobed of the Imperial Mantle and arrayed in his Royal robe of purple velvet, the Queen at the same time being similarly arrayed. The procession was then re-formed and proceeded by way of the Choir to the west door of the Abbey, their Majesties wearing their Crowns, and the King bearing in his right hand the Sceptre with the Cross, and in his left hand the Orb. The Queen bore in her right hand her small Sceptre with the Cross, and in her left hand the Ivory Rod with the Dove. All the Peers and Peeresses were now wearing their coronets, thus adding greatly to the brilliancy of the scene. At the door of the annex the King and Queen entered their State coach and drove by way of Trafalgar-square, Pall Mall, and Piccadilly, crowned and robed, through the shouting crowds back to Buckingham Palace, which was reached happily just before the descent of a smart shower, it being the first rain of the day. Crowds lingered round the Palace, and the King came out on the balcony and bowed to the multitude.

REVIEW OF COLONIAL TROOPS.

When the announcement was made that the Coronation, and with it the opportunity for the Colonial troops to see their beloved King, was postponed, there was deep gloom among those who had come from all quarters of the globe to pay homage to His Majesty, and to testify to the illimitable dimensions of the Empire. Keen as was the disappointment at the postponement, it was lost in profound sorrow at the cause, and by no class has the progress of the King's illness been watched with more anxiety than by his warriors from beyond the seas. They, with the rest of the Empire, have rejoiced at their Monarch's recovery, and their satisfaction was completed when on Tuesday, in the grounds of Buckingham Palace, the King held a review of those of his Colonial troops who had come to take part in the Coronation ceremonies. The King, in the uniform of a field-marshal and wearing the sash and insignia of the Garter, stepped out upon the terrace. He was followed almost immediately by the Queen, leading the little Princess, the daughter of the Prince of Wales, by the hand. The Prince and Princess of Wales followed with two of their sons, and then came the Princess Victoria, Prince and Princess Charles of Denmark, the Duke and Duchess of Argyll, the Crown Prince of Denmark, the Crown Princess of Roumania, the Duke and Duchess of Sparta, Prince George of Greece, and Prince and Princess Henry of Prussia.

As the King stepped down beneath the awning of the shamiana which had been erected, General A. T. Cooke, in command of the Colonials, called the parade to the "Royal salute." On the right of the line stood the small contingent of Dragoons and Hussars which represents Canada. It will be a lasting regret that the contingent, 350 strong, which originally came over, was not allowed to remain to take part in the ceremony.

Before the actual distribution of Coronation medals began the King pinned the Victoria Cross upon the breast of Sergeant Lawrence, of the 17th Lancers, who had recently earned it by saving a comrade's life in South Africa. Then the whole parade, with the officers leading each group, began to file past the King, who was now seated. The Prince of Wales took his place on the King's right, and as each officer and trooper passed handed him his medal. It was a long and interesting stream, and the King was careful to return the salute of each individual irrespective of creed, colour, or denomination. When the last medal had been presented, General Cooke ordered the officers to "take post," and the whole parade then advanced in "Review Order" and gave the "Royal salute." The King then went forward, and, in a strong voice, made the following speech:—

"General Cooke, officers, non-commissioned officers, and privates of the contingent from my dominions beyond the sea who came here to take part in the Coronation,—It has afforded me great pleasure to see you here to-day and to have the opportunity of expressing my high appreciation of your patriotism and of the way in which you distinguished yourselves in South Africa. The services which you have rendered to the Mother country will never be forgotten by me, and will, I am sure, cement more firmly than ever the union of our distant Colonies with the other parts of my great Empire. Your stay has been longer than was originally intended, owing to my illness, but I hope you have enjoyed it, and that you have derived pleasure from your visits to various parts of the land of your ancestors. God bless you all. I wish you a safe and pleasant return to your own homes."

When His Majesty had finished three ringing cheers were given by the Colonials, and hats were hoisted on bayonet points or waved enthusiastically in the air. To the tune of the Coburg March the troops then marched past the King, who was joined by Lord Roberts, and passed on out of the grounds back to Victoria station.

The force which paraded consisted of units from Australia, Bermuda, British North Borneo, Rhodesia, Cape Colony, Canada, Ceylon, Cyprus, Fiji, Sierra Leone, Gambia, Gold Coast, Hongkong, Jamaica, Lagos, Malta, Natal, New Zealand, Northern Nigeria, St. Lucia, Southern Nigeria, Singapore, Straits Settlements, Trinidad, Uganda, and Wei-Hai-Wei.

REVIEW OF INDIAN TROOPS.

On Wednesday Buckingham Palace was again the scene of a review, this time of the Indian Contingent and European Volunteers from our Eastern Empire. The arrangements were practically the same as those for the preceding day, the guests assembling on the terrace, and the Indian pavilion again being erected on the lawn for the accommodation of the King. Amongst the company on the terrace awaiting his coming were Lord George Hamilton, representing the India Office, and wearing his Court uniform, the Earl of Hardwicke, Earl Roberts, Lord Kitchener, Colonel Aslam Khan, the veteran Commissioner of the North-West Provinces, Sir Jamsetjee Jeejeebhai, the Maharajas of Gwalior, Jaipoor, Cooh Behar and Bikanir, Sir Pertab Singh, Lord Wolseley (in the uniform of the Royal Horse Guards), and the Turkish Ambassador. All the Indians appeared wearing robes of the richest hues, many displaying costly jewels set in their vari-coloured head-dresses.

At four o'clock the King, attired in field-marshal's uniform, and wearing the magnificent sword presented to him the day before by the Maharaja of Jaipur, stepped on to the terrace. The Indian dignitaries on the terrace salaamed, the troops presented arms, and the massed bands played the National Anthem. His Majesty walked down the terrace steps followed by the Queen, with whom was the little Princess Victoria of Wales. The Prince and Princess of Wales followed. Among others in the distinguished gathering were Princess Victoria, Prince and Princess Charles of Denmark, Prince George and Prince Andrew of Greece, the Crown Prince of Denmark, Princess Louise Augusta of Schleswig-Holstein, the Grand Duchess of Mecklenburg-Strelitz, the Duke and Duchess of Sparta, Lord Kenyon, Lord Farguhar, Lord Lansdowne, and Lord Churchill. As His Majesty took his seat in the pavilion the rain, which had been falling slightly, descended more heavily, compelling many of the more gorgeously-attired Indian visitors to seek shelter under the neighbouring trees. The King first of all received the representatives of the various Indian provinces, each of whom was presented by His Majesty with a Coronation medal, after which the Prince of Wales took up the duty of presenting the medals to the whole of the officers and men of the Indian contingent, who number close on 1,300.

The ceremony at an end, the troops formed up and moved to the front, saluting His Majesty with three hearty cheers. Then the King, stepping to the front of the Royal pavilion, said—

"Colonel Dawson—I wish to convey to all ranks the high satisfaction it has given me to see the splendid contingent from India that has paraded before me to-day. I almost feared that, owing to my serious illness, I should be prevented from having the advantage of seeing you, but I am glad to say that by God's mercy I am well again. It has given me great satisfaction to see you all, and I am glad that so many have been able to receive the Coronation medal. I recognise amongst you to-day many of the regiments I had the advantage of seeing at the manoeuvres at Delhi and in different parts of India. I hope this contingent from India have enjoyed their stay in England, and will return in safety to their homes. I wish you to convey these sentiments from me to all ranks under your command."

Headed by the band of the Irish Guards, the whole of the troops then marched past the King in fours, leaving the Palace by the Garden entrance. At the head of the Gurkha detachment was carried the blood-stained and battle-worn colour of that regiment, which for many years past has been in the keeping of the Royal United Service Institution.

LORD SALISBURY'S RETIREMENT.

Although the retirement of Lord Salisbury from the Premiership of England was looked upon as an event which was likely to happen at any time by reason of his advancing years, yet the announcement of the same was received with some amount of surprise by the public. It was known in official circles that the late Premier was anxious for rest, but he determined, in deference to the wishes of his colleagues, and because retirement would have been misunderstood at the time, to remain at the head of the Cabinet until the conclusion of the war. Despite the arrangement which removed much of the burden of Premiership from his shoulders, he never quite recovered from the sad blow he received in the death of his wife; and the burden of years and the effects of strenuous devotion to public duty were increasingly visible in his Lordship. Full of years, honoured by all classes of his countrymen as well as by foreigners, and respected everywhere, Lord Salisbury laid down the burden of

his high office. The time seemed well chosen for a change in the Premiership, for after the long strain of the war in South Africa, peaceful relations with all the world brought a feeling of relief to Great Britain, and His Majesty's happy recovery enabled him to give interviews to the retiring Minister and his successor. The *Irish Independent* of Dublin, commenting on the retirement of his Lordship, said, "Lord Salisbury's opposition to Home Rule will not prevent the heartiest expression of hope from all classes in Ireland that the veteran statesman may be spared to enjoy for many years the peace and rest he seeks." Truly has it been said that he was one of the few men who had at once no enemies, and no friends; and such a tribute as Ireland's to his popularity is indeed a great one. His Lordship, who is well past the scriptural limit of "three score years and ten," has given up the portfolio of his office, fortified by the thanks of his Sovereign and the gratitude and respect of the Empire, to enjoy the quiet and repose he has so well earned by a life-long labour in the public service. It may be well said of Lord Salisbury, that a man who has on three several occasions ruled over the Empire's destinies as Prime Minister must naturally form a great and dignified figure in History.

Robert Arthur Talbot Gascoyne Cecil is the third Marquis of Salisbury and is the head of the historic family of the Cecils. He is the third of his race to hold the supreme place in the councils of the Crown, his ancestors William Cecil, first Baron Burleigh, and Robert Cecil, first Earl of Salisbury, having occupied the same exalted position in their day. The subject of the present notice is the second son of James Brownlow William Cecil, second Marquis of Salisbury, and was at first known as Lord Robert Cecil. He was born at the ancestral home at Hatfield, on 3rd February, 1820, and therefore has completed his seventy-second year. His father was in his day a politician of importance, and twice attained to Cabinet rank. He was appointed Lord Privy Seal in 1852—a fact which may suggest a reason for the present Premier's recent selection for that somewhat nebulous post—and Lord President of the Council in 1858. On both occasions he was a member of Lord Derby's Administration.

In the summer of 1853 Lord Robert Cecil was returned, without opposition, as member for Stamford and took his seat in the House of Commons, which he held with ever-increasing reputation for the next fifteen years. At that time matters political looked gloomy enough. Five months after the future Lord Salisbury entered the House, Lord Clarendon dispatched an Ultimatum to Russia, the rejection of which brought about the Crimean War. In 1857 came a General Election, when the young Member was again returned unopposed, and during the opening Session of the new Parliament he made his first attempt at proposing legislation. He introduced a Bill to amend the procedure at Parliamentary elections by substituting a voting paper system for that of personal attendance at a polling station for the purpose of recording a vote. In his own words, his object was that "the poll should be brought to the elector, instead of the elector to the poll." The proposal, however, met with great opposition, and finally had to be withdrawn. In 1858 he enunciated views on foreign policy which were said to be more liberal than those of the Liberals themselves. In this year a volume of "Oxford Essays" appeared, to which he contributed a paper on "The Theories of Parliamentary Reform." In this essay he favoured some measure of the franchise for the then unrepresented section of the people, but he strongly urged that this should be accompanied by a plural property vote, lest the dominant political power should be placed without any check in the hands of the least educated and least responsible section of the community. In earlier days Lord Robert Cecil had been a somewhat frequent contributor to the Press, but his articles were usually unsigned, and he never cared to re-publish them in collected

form. But the years 1850 to 1866 were those of his greatest literary productiveness. He was during that period a constant writer for the *Quarterly Review*, and many a trenchant article came from his pen. Most of them dealt mainly with affairs of the moment, and this is probably the reason why they have never appeared in volume form. Many of them are well worth reading still for their shrewd criticism and their finished literary form. On June 14th, 1865, Lord Robert Cecil's elder brother died and he succeeded to the title of Viscount Cranborne, and became direct heir to the Marquisate. In the following year he was offered, and accepted, the office of Secretary of State for India in Lord Derby's Cabinet. Thus commenced one of the most distinguished Ministerial careers of the century. Lord Cranborne had hardly been a fortnight at his new post when he had to introduce the Indian Budget for the year, no easy task to a man new to the department. But he exhibited a mastery of his somewhat intricate subject which came as a surprise even to those who had best appreciated his powers.

On April 12th, 1869, the second Marquis of Salisbury died, and on May 7th his son, the present Marquis, took his seat in the House of Lords. In the same year Lord Derby died, and the Chancellorship of the University of Oxford consequently became vacant. The almost unanimous feeling of the University was in favour of the appointment of Lord Salisbury, and he was elected without one dissentient voice. And from that day to this the Chancellor has held the esteem and respect of the University. The resignation of the Government in 1874 called Mr. Disraeli to the head of affairs, and the day after his summons to Windsor it was announced that Lord Salisbury had been appointed to his old post as Secretary of State for India. It was no easy task that awaited him, for not only was a great famine devastating India, but a serious misunderstanding had arisen between the Viceroy and some of his chief local administrators. It took considerable tact and courage on the part of the new head of the India Office to put matters right. The years that followed—from 1875 to 1878—were anxious ones for England. The Eastern Question was again to the fore and this time in a grave and complicated shape. Again and again it seemed that Great Britain must perforce be drawn into the strife. Turkey was engaged in a desultory struggle with Serbia, when the Russians sent an Ultimatum demanding an instant armistice under a threat of war. Turkey obeyed, and the British Government at once put forth a proposal for a Conference of the Powers at Constantinople, in order to arrange some settlement of the disturbed territories on the Turkish frontier. The Great Powers agreed, and Lord Salisbury was appointed British representative at the Conference. His work was ably reviewed by Lord Beaconsfield shortly afterwards. War promptly followed between Russia and Turkey, Great Britain pledging herself to neutrality so long as no other interests than those of Turkey were threatened. The delicate international situation thus created soon had to be faced by Lord Salisbury himself, who, on April 1st, 1878, was appointed Foreign Secretary, a post for which he has ever since shown a marked deference, having held it in conjunction with the Premiership for some years. On April 19th, 1881, Lord Beaconsfield died. The question of the leadership of the Tory Party in the House of Lords now arose, and after a period of some indecision Lord Salisbury was unanimously chosen for that position at an influential meeting of Peers. But greater honour and increased responsibility were to follow. Early in 1885 the fall of Khartoum and the death of General Gordon led to an overwhelming vote of censure on the Government in the House of Lords, a similar vote being very narrowly defeated in the Commons. But on June 8th, the Government were defeated on their proposal of an increased tax upon beer, and Mr. Gladstone resigned. The Queen sent for Lord Salisbury at once. He commenced his

Premiership under the grave disadvantage of not possessing a majority in the House of Commons. But the life of the existing Parliament had only about five months to run, and it was not very difficult to arrange a *modus vivendi* with Mr. Gladstone. Lord Salisbury retained his post at the Foreign Office, and the five months were mainly spent in clearing up various international difficulties that had arisen. At the ensuing General Election, however, the Liberals were returned to office, and Lord Salisbury once more found himself in opposition. But the new Government were defeated over the disastrous Home Rule Bill, which caused so wide a rent in the Liberal Party. Thus, in little more than six months, Lord Salisbury was again placed at the head of affairs. From 1886 to 1892 the Government remained in power, Lord Salisbury during the first year holding the office of First Lord of the Treasury in conjunction with the Premiership, but in January 1887 he exchanged the former post for his favourite one of Secretary of State for Foreign Affairs. In 1892 Mr. Gladstone was again in power and succeeded in carrying the Home Rule Bill through the House of Commons. It was, however, thrown out by the Peers, and the Premier's resignation through increasing weight of years soon followed, and the General Election of 1895 replaced Lord Salisbury in his former dual office which he held until the dissolution. In the General Election the Conservative Party were returned with a slightly increased majority, and Lord Salisbury again became Prime Minister. He did not, however, resume the Foreign Secretaryship, but accepted the post of Lord Privy Seal. He resigned the Premiership on Friday, July 11th, 1902.

COLONIAL.

WEST INDIES.

There were two most disastrous volcanic explosions at Mount Pelée in the Island of Martinique in May and August 1902, which destroyed Saint Pierre and all the inhabitants and the shipping in port, and it was under contemplation whether the opportunity had arrived for the complete evacuation of the Island. The colossal catastrophe is said to have occurred with appalling suddenness, the sea receding thirty yards. Earthquakes were also reported about the same time in several parts of the world. The Governor of Barbadoes cabled that reports resembling artillery were audible, proceeding from Saint Vincent, and that darkness, thunder and showers of dust followed covering Barbadoes inches deep. Martinique is one of the Windward Islands or Lesser Antilles, and contains 200,000 acres or 380 square miles. Its mountains are volcanic, and as late as 1851 two new craters opened, but of recent years the belief grew that they had become extinct. Saint Pierre, which was utterly destroyed, is the finest town in the Island. It was a pretty place of French appearance, with water running down each side of the streets from the steep hill upon which the town is partly built. It contained a handsome cathedral, and had a considerable trade. Saint Pierre was the birthplace of the Empress Josephine, and a white marble statue keeps her memory alive. Another story connected with Martinique is almost forgotten now. It is that of H. M. S. "Diamond Rock." In 1803 Sir Samuel Hood, the British Admiral, saw that the French ships escaped him by running past a rock which rises 600 feet out of the water and is about a mile in circumference. So he laid his seventy-four, the "Centaur," alongside and hauled guns and provisions to the top. In this fortress Lieutenant James Wilkie Maurice and 120 men and boys were established. They swept the sea with their guns, and

did much damage to the enemy. The position was maintained for seventeen months, during which it was borne on the books of the Admiralty as His Majesty's ship "Diamond Rock." Finally, want of water and powder, and a French squadron of two seventy-fours, a frigate, a corvette, a schooner, and eleven gunboats made the garrison—or "crew"—surrender. In 1895 the total population of Martinique was 187,692, including 20,000 whites.

RHODESIA.

The Colossus of South Africa, the make of Empire, Mr. Cecil Rhodes, passed away on the 26th March, his dream of Empire almost fulfilled. The late Mr. Cecil Rhodes was born on the 7th July, 1853—a year after the Sand River Convention established the independence of the Transvaal, and the year before the independence of the Orange River Free State was recognised. He was one of seven brothers, all of whom have served the British Empire as soldiers or colonists. Four are soldiers, and of these Colonel Frank Rhodes is well known as the Military Secretary to Lord Harris, and has had active service in Egypt and the Sudan, and was implicated in the Jameson raid, while Major Elmhirst Rhodes, D.S.O., has followed closely in his elder brother's steps. One of the three civilians, Herbert, with whom his younger brother, Cecil, was associated in Natal and on the diamond fields, died early, accidentally burned in his bath in 1877 while elephant hunting in the neighbourhood of the Shire River. Cecil Rhodes was fond of athletics and was a hard working and fairly successful scholar, winning several prizes in classics, mathematics, divinity, and French, a first class at the Cambridge junior examination, and in 1869 he won a senior classical scholarship. A love of thoroughness in anything he took in hand and a capacity for steady work distinguished his school days. In 1870 Cecil followed his brother Herbert, who was working a cotton plantation in Natal. In 1871 he went with his brother to the Diamond Fields, and settled with him at Kimberley, then in the earlier state of its existence. In 1873 he returned to England and entered Oriel College, Oxford, but a chill, caught after rowing, settled on his lungs, and so swift was the progress of the disease, that the best medical opinion did not give him more than a year to live, even with the advantage of residence in the climate of South Africa to which he went back in 1874, apparently a doomed man. At Kimberley, however, in the clear, dry, rainless air of the veldt, Cecil Rhodes' health gradually became completely re-established and there he remained working hard as a diamond digger, at first in partnership with his brother, afterwards, when Herbert Rhodes quitted the diamond fields for the more adventurous life of a hunter in the far north, in partnership with Mr. C. D. Rudd, an old schoolfellow.

Mr. Rhodes' political life began with his appearance in the Cape Legislative Assembly, where he made his first speech on April 19th 1881. The Crown Colony of Griqualand West, taken over by Sir Henry Barkley in 1871 under the cession from the chief Waterboer, and as a result of arbitration, had become an integral part of the Cape Colony only a short time before, in 1890. Mr. Rhodes was elected as its first member by the rural constituency of Barkley West not far from Kimberley. He was appointed treasurer-general of the Cape in the Seaman administration, but in the Assembly he chiefly devoted himself to his schemes of expansion to the north.

During 1883 Mr. Rhodes was sent by the Cape Government to deal with the question of the delimitation of Griqualand West, and at the same time he obtained from Mankoreane, the ruling chief, cession of a large portion of Bechuanaland which the Cape Colony refused to take over. He thereupon applied to the Home Government asking them to administer the country, and in 1884 an Imperial

Protectorate was established over the territory in question. About that time the London Convention with Mr. Kruger was drawn up and the Boer President began a rival competition with Mr. Rhodes for native territories, ultimately securing a large part of Zululand, Stelland and Goshen. Mr. Rhodes was then appointed Deputy Commissioner of Bechuanaland, and by a firm policy was enabled to keep the Boers out of, and to checkmate the design of Mr. Kruger upon, that portion of South Africa.

During 1885 gold mines were discovered in the Transvaal, and with the aid of Mr. Rudd, he formed the company known as the Gold Fields of South Africa, which had a most successful and prosperous career. Later on a treaty was proposed by Mr. Rhodes which secured from Lobengula the refusal of the first offer to the British Empire, if at any time the African Chief desired a Protectorate, and it was duly carried through by Mr. Moffat, the Assistant Commissioner in Bechuanaland, and was signed in February 11, 1888.

Upon the defeat of the Spring Ministry of 1890 Mr. Rhodes became Premier of the Cape, and formed an alliance with Mr. Hofmeyr and the African bond, thus securing a solid Dutch vote. During 1891 he gave £10,000 in support of the cause of Home Rule for Ireland. Upon his return to Cape Town, Mr. Rhodes was entertained at a public banquet, and great satisfaction was expressed with his conduct. About this time, he sent three of Lobengula's sons to Cape Town, to be educated at his own expense. In November 1895, he again visited England. In 1895, he was made a Privy Councillor. Early in the following year Mr. Rhodes resigned the Premiership of the Cape and also his position as a Director of the British South Africa Company, owing to his alleged complicity with the raid into the Transvaal. One of the consequences of the Jameson raid, mainly owing to a loss of prestige, was a second revolt of the Matabele. Many of the native police joined the rebels, taking their rifles with them, and a general massacre of white settlers was contemplated. Mr. Rhodes at once formed a fighting column at Salisbury and afterwards inflicted a severe defeat upon the Matabele at Gwelo, thus breaking the back of the insurrection. In 1896, accompanied by Dr. Sauer and Mr. Colenbrander, he went to the Matoppe Hills to meet the native chiefs, and entered the stronghold of the Matabele alone and unarmed. This greatly impressed them and they eventually surrendered unconditionally.

In June 1896, Mr. Rhodes returned to South Africa, and in company with Earl Gray went to Bulawayo to negotiate with some native chiefs in order to stop the fighting which was still going on in various parts of Mashonaland. In November Lord Milner—then Sir Alfred Milner—opened the railway running between Kimberley and Bulawayo. The election for the Legislative Council for the Cape took place in March 1898 and was won by the Progressive party, led and inspired by Mr. Rhodes on a policy of free food products, compulsory education, railway development, and restricted sale of liquor to natives, as to internal affairs; coupled with the large policy of the federation of the Cape, Natal, and Chartered land under the British flag. The elections for the Assembly, later in the year, were very closely fought, and Mr. Rhodes was returned for both Barkley West and Namaqualand, but he elected to sit for the former, his old constituency. When all the papers were collected it was found there were forty Bond candidates and thirty-nine Progressives; Sir Gordon Sprigg, who had succeeded Mr. Rhodes in the Premiership, thereupon resigned. Mr. Rhodes' connection with the Jameson raid and Outlander agitation had shaken the faith of a large number of Dutch voters, hence the secession of many of his former supporters.

The late Mr. Rhodes again visited London to confer with the Directors of the Chartered Company respecting the re-constitution of the Board of the future administration of Rhodesia. His scheme for an increase of capital by one and-a-half millions was approved, and at the same time he was unanimously re-elected by the shareholders as the Director of the Company. Since that date he devoted himself almost entirely to the development of the Chartered Territories, but early in 1899 he again visited England in order to secure a Government guarantee for the section of the railway which he intended to lay between Bulawayo and Lake Tanganyika. Perhaps the greatest of his projects was the scheme for the connection of Cape Town and Cairo by a railway and by telegraph. He went to Egypt in March 1899 to confer with Lord Kitchener as to the section of the railway to run through Egypt and the Soudan.

In 1898 he went to London to confer with the Directors of the Chartered Company respecting the reconstitution of the Board of the future administration of Rhodesia. From that time he devoted himself almost entirely to the development of the Chartered territories; and in 1899 he visited England to secure a Government guarantee for the section of the Cape-to-Cairo railway between Bulawayo and Lake Tanganyika. When the Boer war broke out he was in Cape Town, but he set out for Kimberley on the eve of its investment. He went through the siege, and did much to help the defenders. At considerable cost to himself—estimated at £15,000—he equipped a force of 400 men, and his scheme for keeping the natives employed and providing work for the besieged was said to have proved of great value. His death came as a great blow to the Empire, and his loss will be long and severely felt. At a time when there is so much to reconstruct, his influence, his energies, and his large ideas would have been invaluable. Not only Africa but England is poorer to-day by the death of one who was in reality "a maker of Empire." One of the deceased's last requests was that he should be buried in the Matoppo Hills, near the spot where he went unarmed to the Camp of the Matabele Indunas and negotiated a peace which ended a second Matabele war, and brought about a lasting peace.

Mr. Rhodes' will—one of the most remarkable documents of its kind that the world has ever seen—leaves all his landed property near Bulawayo and at Inyanga, near Salisbury, Mashonaland, to his trustees, to cultivate for the instruction of the people of Rhodesia. He directs that a sum of money sufficient to yield an income of £4,000 per annum be invested as a Matoppo and Bulawayo Fund. The income of this Fund to be applied, at the discretion of his trustees, in preserving, maintaining and beautifying the Hill and burial-place; and the balance of the income and the profits of the Bulawayo landed properties are to be applied in the cultivation of the same. A fund is to be created sufficient to yield an income of £2,000 a year, to be called the Inyanga Fund, to be applied with the profits of his Inyanga estate, to the cultivation of that estate, and he specifies irrigation, experimental farming, forestry, market gardening, fruit farming and the maintenance of an agricultural college as objects to be kept in view by his trustees.

He leaves £100,000 to Oriel College, Oxford University, with certain directions as to its application. His residence, De Groote Schuur, near Cape Town, with its contents, and all other land belonging to him under Table Mountain, he leaves to the Federal Government of South Africa when constituted, the residence to be appropriated to the use of the Prime Minister of the Federation, and the other lands for public purposes, and provides for the creation of a fund with an income of £1,000 a year for the maintenance of the property. He directs the creation at the above University of sixty Colonial scholarships, each of the value of £300 a year—

twenty-four of them for students from South Africa, and the remaining thirty-six for students from Australasia and the North American and West Indian colonies—and of two similar scholarships for students from each State or Territory of the American Union. In the passages of the will relating to these scholarships Mr. Rhodes expresses a strong opinion in favour of a residential University system, and enters into details as to the qualifications which he considers of special importance in the candidates for the scholarships. By a codicil of January 18th last, Mr. Rhodes settled the Dalham Hall estate, Newmarket, on his brother, Colonel Frances Rhodes, and his heirs, with remainder to Captain Ernest F. Rhodes and his heirs, and makes elaborate provision—for reasons which he fully sets out—against the creation of charges or encumbrances on the estate. By a codicil of so late as January 18th last Mr. Rhodes directed the establishment of fifteen scholarships in Oxford University of the value of £250 per annum for students of German birth, to be nominated by the German Emperor. After numerous private dispositions Mr. Rhodes leaves the residue of his real and personal estate (which some estimate to be three or four millions sterling in value) absolutely to his trustees as joint tenants. This is thought to imply the existence of what is known to lawyers as a "secret trust,"—that is to say, the money given under the clauses will be applied to some purpose the nature of which is known only to the testator and the trustees. It is estimated that Mr. Rhodes, in his will, disposed of £6,000,000 sterling.

EGYPT.

There was considerable unrest in the Soudan which foreboded a possible danger to Khartoum. The Sheik Senussi, who had established considerable influence over the religious fanatics of North Central Africa, had for some time past been preaching a *jihad* or religious war against the whites, and his words had secretly travelled east into the Eastern Soudan, and even down to the West Coast. By all who are acquainted with Mahomedan fanaticism, this was regarded as a most serious menace to civilization. Sheik Senussi was reported to be moving slowly towards the Nile, and it was assumed that his objective was Khartoum, where a campaign to capture the City of the prophets would lash the smouldering fires of Mahomedanism into flame once more in the Soudan. The movement was being closely watched with the object of intercepting and defeating the movement before it had time to reach Egyptian territory, for there is not the smallest doubt that many would have flocked to the standard of the "Prophet" had he made his appearance there at any time. Five short years ago there were three Moslem armies north of the Equator which seriously threatened civilization. Sirdar Kitchener defeated one at Omdurman, while the French accounted for the second under Sultan Rabah in 1900, the third is at present still hidden in the wilds of the Sahara, of which Sheik Senussi was the head. The present movement began in 1840, when one Senussi, who declared himself descended direct from the Prophet, established a house of prayer on the borders of Tripoli. In later years the headquarters of the sect retreated into the great unknown depths of the Sahara, beyond the reach of European eyes, and here they took toll upon the caravan routes. In the wastes of Jehonb the prophet Senussi veiling his splendour from the multitude, held court, gathering the faithful round him, and initiating a craft, with secret signs and symbols, which grew into prominence in North Central Africa. The founder was recognised as the true disciple and descendant of the Prophet long before the Mahdis of the Egyptian Soudan became powerful. The late Sheik Senussi, son of the original, was the divine and faithful leader in the Sahara for forty years. This Mahdi had established his domain over the whole of North Central Africa, and in the eighties he commenced

to acquire cannons, rifles and ammunition in great quantities. At this point his shadow was dwarfed by the successes of the other Mahdi against Gordon, but Sennusi hung to his wild waste of land cunningly, knowing that the British would overcome the army of Khartoum in the long run. Later the Khalifa invited Sennusi to join arms with him in the overthrow of the infidels under Sirdar Kitchener, but once more the wily Arab declined, and when the Khalifa was overthrown he gathered the refugees to his own standard. In short, Sennusi had in view the object of founding a vast Moslem Empire in Northern Africa, with himself as the Napoleon of the Sahara; and as one by one of his rivals were disposed of he gathered strength from the dash of the defeated prophets.

He had no caste prejudices to fight, for both aboriginal and Arab embrace the Mahomedan faith, and battle for it as enjoined by their religion. The cause of the Faithful against the Frank is enough for most, and, with an alluring bit of raiding thrown in, it is not to be wondered at that the Sennusi army grew into a powerful force. But not content with spreading his cause by the caravan routes, the Sennusi prophet four years ago sent out missionaries to preach a holy war from east to west, in British, French and Egyptian territory alike.

And recently Sennusi played a decisive part. He sent an application to the Khedive's Government requesting them to allow him and his men to pass through Egyptian territory (in the Soudan, via Barber and Suakin) to Mecca. The cunning of this move was deep indeed. Mecca is the goal which every true Moslem tries to reach some time during his life, and it is the duty of every other Moslem to assist him. Thus if the Egyptian officials, who are Moslems, had refused his request, Sennusi would have branded them as the creatures of infidel dogs, which would have furnished him with a splendid cry for stirring up the fanaticism of his bigoted followers. The attitude of the sects in the Soudan had been favourable to him, as the establishment of a native civil service had weakened the faith of the tribesmen. In Sirdar Kitchener's days the factions brought their quarrels to the British commanders for settlement, and this gave us a hold upon them of great strength. But the Arab will not go to the clerk, native or British, because these officials do not understand their quarrels like the soldier of Sirdar Kitchener's training, and in consequence the men go to the sheikhs, who are getting back their old influence over the people for evil, and Sennusi had made himself powerful with their Chiefs. The Sheikh had chosen a favourable time for a forward movement, as the men of the Khalifa Rabah and the Sokoto Emirs had recovered their nerve by means of the far-reaching Sennusi missionaries, and were ready to join the new prophet: so that his appearance about the borders of the new Soudan would have raised fanaticism to fever heat, as the missionaries had prophesied his coming. The whole of North Central Africa was agog with excitement, and wherever the chieftain moved he gathered men, and when his preaching changed to an attack on British, Egyptian, or French territories, his army of 15,000 would have swollen enormously. His reputed death recently has for the present, however, put a stop to further agitation.

THE ASSUAN DAM.

On 12th February 1899, the Duke of Connaught laid the foundation stone of this great engineering work, and now, nearly four years later, he completed his task by formally declaring the dam open on the 10th December 1902. The Duchess of Connaught laid the last stone in the presence of the Khedive and a large assemblage. Forty years ago Sir Samuel Baker suggested the building in of the waters of the Nile, and the great dam which has now been completed is in many ways the same as what he proposed. Various sites were suggested for a dam between Cairo and

Wady Halfa and the majority of the International Commission who visited the sites in 1894 decided in favour of the one near Assuan. The works inaugurated consist of a dam and navigation channel at Assuan, a barrage and lock at Assiout, and a regulator and lock at the head of the Ibrahimieh at the same town. The great reservoir will contain a thousand million tons of water. The dam itself is straight from end to end, and its length is about a mile and a quarter. It is 23 feet wide at the top and 82 feet at the deepest part, and the height from the lowest part of the foundation to the top is 131 feet. This part of the Nile Valley is bounded on either side by rocky hills, and the throwing across of a huge wall of masonry has resulted in the formation of the big lake. When this reservoir is full the Island of Philæ will be partially submerged and most of the temples and buildings will be covered with from six to thirteen feet of water except the Great Temple of Isis. All the beautiful buildings have been strengthened by steel girders, so that as little harm as possible may be done.

In its completed form the dam is not a solid wall, but is pierced with sluice openings of sufficient area for the flood discharge of the river, which may amount to 15,000 tons of water per second. There are 180 such openings, mostly 22 feet high by 6 feet 6 inches wide; and where subject to heavy pressure when being moved they are of the well-known Stony roller pattern. Navigation is provided for by a "ladder" of four locks, each 230 feet long by 32 feet wide. The task of throwing a mass of masonry weighing considerably a million tons across the Nile was simply gigantic.

In order to lay the foundations of the dam across the roaring cataract channels, temporary rubble dams had to be formed across three of the channels below the site of the great dam, so as to break the force of the torrent and get a pond of comparatively still water up stream to work in. After the fall of the river in November water-tight sandbag dams or sudds were made around the site of the dam foundation in the still water above these rubble dams, and pumps were fixed to lay dry the bed of the river. The masonry of the dam is of local granite set in Portland cement mortar. The interior is of rubble set by hand. There had to be a great pressure of labour to get a section of the dam completed before the rise of the Nile, and sometimes as much as 3,000 tons of masonry were, it is stated, executed per day. The maximum number of men employed was 11,000, of whom 1,000 were European masons and other skilled men. A simple line of railway was used to carry the materials to the spot.

In order to make a fair distribution of the water from the Assuan Reservoir, a barrage has been built across the Nile at Assiout, north of the head of the Ibrahimieh Canal. The supply of this canal will be augmented, and thus the area of land under perennial cultivation in Middle Egypt and Fayum will enjoy improved irrigation during the summer, and about 400,000 acres of basin land will be converted to perennial irrigation. The work consists of an open weir. The piers are spanned by arches carrying a roadway about 14 feet wide, as well as the travelling winches and suspension apparatus for the regulating gates. Each opening is provided with two regulating steel sluice-gates, one upper and one lower, each about 8 feet high, and capable of holding up a head of 8 feet to 10 feet of water during the summer months. The length of the barrage is 2,722 feet and the height from the floors and face to the roadway is 41 feet. On the western side it has a lock 260 feet long and 52½ feet wide, capable of passing the largest Nile steamers.

As the river bottom here is of sand, a floor of masonry and concrete was laid from shore to shore to ensure a sound foundation. Bad springs were encountered

over practically the whole site, and the difficulty was overcome by means of grouting pipes, but a considerable extra expense was thereby entailed. An enormous number of workmen were employed on the work, the average during the first seven months of 1901, i.e., before the flood came down, ranging from 8,000 to 13,000, of whom over 96 per cent. were natives. The only hitches that were encountered were due to the action of the flood. The most difficult portion of the whole task was the foundation work which remained to be done in 1901, a short section situated between the middle of the river and the east bank. It was found necessary, at a very high cost, to make a "saddled" enclosure extending over nearly half the width of the river, and covering an area of about 134 acres.

By the end of 1901 almost the whole of the superstructure, arches and parapet was completed. The gates of the barrage lock were fixed before the flood of 1901, and the swing-bridge only remained to be fixed in 1902. This was done, navigation has continued without any hindrance throughout, and a large amount of land enjoys assured irrigation more than a year before the contract time for the completion of the work.

AUSTRALIA.

A dreadful explosion took place at the Mount Kembla colliery, about 54 miles south of Sydney, shortly after 2 o'clock on the 31st July at a time when about 230 men were in the mine. The explosion, which was caused by coal gas igniting, resulted in the roof of the mine tunnel collapsing and imprisoning the men. Over 100 men managed to escape after the explosion, leaving between 80 and 90 men still entombed. The township of Wollongong was thrown into a state of great excitement.

FOREIGN.

JAPAN.

The Treaty between Great Britain and Japan with reference to the *status quo* in China and Korea was signed on the 30th January. The important document issued by the Foreign Office may be regarded as the outcome of the events which have taken place during the last two years in the Far East, and of the part taken by Great Britain and Japan in dealing with them. Throughout the troubles and complications which arose in China consequent upon the Boxer outbreak and the attack upon the Peking Legations, the two Powers have been in close and uninterrupted communication, and have been actuated by similar views. Each desired that the integrity and independence of the Chinese Empire should be preserved, that there should be no disturbance of the territorial *status quo* either in China or in the adjoining regions, that all nations should, within those regions, as well as within the limits of the Chinese Empire, be afforded equal opportunities for the development of their commerce and industry, and that peace should not only be restored, but should, for the future, be maintained. From the frequent exchanges of views which have taken place between the two Governments, and from the discovery that their Far Eastern policy was identical, it has resulted that each side has expressed the desire that their common policy should find expression in an international contract of binding validity. They have thought it desirable to record in the preamble of that instrument the main objects of their common policy in the Far East, and in the first article they join in entirely disclaiming any aggressive tendencies either in China or Korea. They have, however, thought it necessary, also, to place on record the view entertained by both the high contracting parties, that should their interests

above described be endangered, it will be admissible for either of them to take such measures as may be indispensable in order to safeguard those interests, and words have been added which will render it clear that such precautionary measures might become necessary and might be legitimately taken, not only in the case of aggressive action or of an actual attack by some other Power, but in the event of disturbances arising of a character to necessitate the intervention of either of the high contracting parties for the protection of the lives and property of its subjects. The principal obligations undertaken mutually by the high contracting parties are those of maintaining a strict neutrality in the event of either of them becoming involved in war, and of coming to one another's assistance in the event of either of them being confronted by the opposition of more than one hostile Power. Under the remaining provisions of the Agreement, the contracting parties undertake that neither of them will, without consultation with the other, enter into separate arrangements with another Power to the prejudice of the interests described in the Agreement, and that whenever those interests are in jeopardy they will communicate with one another fully and frankly. The concluding article has reference to the duration of the Agreement, which, after five years, is terminable by either of the high contracting parties, at one year's notice. The British Government expressly state that they have been largely influenced in their decision to enter into this important contract by the conviction that it contains no provisions which can be regarded as an indication of aggressive or self-seeking tendencies in the regions to which it applies.

THE PANAMA CANAL.

It is a matter for satisfaction that the United States Commission have decided upon the Panama route for the trans-oceanic Canal. It is little, however, that France secures, beyond the semi-vindication of the policy of her engineers, by the abandonment of the Nicaraguan route. The bluff of the Commission in vetoing the Panama project, forced the holders of the De Lesseps' concession to lower their price from a 100,000,000 to 40,000,000 dollars, the value placed by the American experts upon the actual work done. Little more than £8,000,000 is all that comes back to France of the £50,000,000 lavished on the scheme, of which only £28,000,000 were legitimately spent, the colossal balance being absorbed in "promotion" expenses. But in any circumstances the bulk of this money was irrevocably lost, and the New Panama Company have made the best bargain they could. Although the Nicaraguan project has been ventilated for a quarter of a century, there are three obstacles to the route upon which engineers have never been able to agree—the building of the Ochoa dam, to raise the waters of the San Carlos some sixty feet; the "Great Divide" necessary to force a waterway from the coastal plain into the basin of the San Francisco; and the feasibility of converting Greytown into a practicable harbour. Assuming this line to have been adopted, a vast amount of preliminary work, involving a delay of years would be necessary before the principal operations could be undertaken. At Panama and Colon, on the other hand, there are good terminal harbours. Only one serious engineering problem presents itself, the control of the floods on the Chagres River, and this has already been exhaustively investigated. As soon as funds are ready and the United States Government are earnestly desirous of proceeding with the work, operations will be inaugurated and pushed ahead without serious delay. But what has undoubtedly weighed most in influencing the United States to complete De Lesseps' work is the great advantage the finished Panama Canal would possess over any Nicaraguan Canal in reduced working expenses. It is calculated that the Panama waterway would cost at least £270,000 a year less to manage, and the time of transit would be one-third that on the rival route. Assuming that the estimates

in neither case are exceeded, and capitalising the difference in the cost of upkeep, the Panama Canal would be \$10,000,000 cheaper than its competitor. Notwithstanding the fact that the Canal, when undertaken, will have the enormous resources of the United States Treasury behind it, a financial factor of such importance was bound to exercise a decisive influence, especially when it is remembered that the Canal will have to face a formidable freight war with the Tehuantepec railway, now being built for the Mexican Government by a British firm of contractors.

SPAIN.

Don Alfonso XIII. took the Oath of the Constitution on Saturday the 17th May, and thus begins a new chapter of the ancient Monarchy of Spain. The brilliant ceremonies arranged in connection with the occasion passed off without a hitch, notwithstanding anarchist scares, and the climax of the whole festivities was the taking of the Constitutional Oath by the King in the Chamber of Deputies.

HUNGARY.

Friday, the 9th September, was the hundredth anniversary of the birth of Louis Kossuth, and the event was celebrated throughout Hungary, and more particularly in the capital. Banks and other places of business were closed. The newspapers published leading articles eulogising the great Hungarian patriot and extolling the immortal service which he rendered in raising the banner of freedom. Commemorative services were held in the Protestant church, which was attended by MM. Franz and Ludwig Theodor Kossuth, the two sons of the national hero, the principal authorities of the capital, deputations from numerous societies, and corporations of the counties, towns, and villages of the country, the honoured veterans of 1848, and a large assemblage of the general public. At the conclusion of the service the congregation proceeded to Kerepes Cemetery to attend the ceremony of laying the foundation stone of the mausoleum to be erected to the memory of Kossuth. The feeling with which the country celebrated the present anniversary was different from that which prevailed in March 1894, when the remains of Kossuth were brought to Hungary from Tuzia for time has exercised its moderating influence, and the centenary celebration was not merely of a partisan character, but one in which the whole nation joined, and Kossuth being now regarded not as the leader of a party which aimed at severing Hungary from Austria, but as the champion of freedom, parliamentary reform, the emancipation of the peasants and the defender of the Constitution.

BELGIUM.

News was received from Spa that the Queen of the Belgians died there at a quarter-past seven o'clock on the 19th November, while at dinner. The suddenness of the sad news caused a most profound sensation, despite the fact that her Majesty had been ill for some time past. Queen Marie Henriette, wife of Leopold II., King of the Belgians, was born on the 23rd of August, 1836. She was the daughter of the late Archduke Joseph of Austria, and married the King in 1859. There are three daughters of the marriage. The eldest, Princess Louise, married in 1875 Prince Philip of Saxe-Coburg-Gotha. The second, Princess Stephanie, is the widow of the late Crown Prince Rudolf of Austria; she married again in 1899. The third daughter is the Princess Clémentine. The late Queen was the possessor of many foreign orders, but the one she prized most was the Order of Saint Elizabeth of Bavaria, which she wore on all State occasions. The heir to the throne is now the King's brother, Philippe, Count of Flanders, who was born in 1837, two years after King Leopold was born. The Count married a Princess of the Hohenzollern-Sigmaringen family, and has a son, Albert, born in 1879, who married in 1900 the Duchess Elizabeth of Bavaria.

AMERICA.

The past year was a record year for California as regards its fruit crop, which was prodigious. An official bulletin issued at the time summed up the condition of the same as follows:—The California fruit crop this year is an unusually large one, and, altogether, conditions have been so favourable that the yield is estimated remarkably heavy. Fruit trees are loaded; vines are bearing thick clusters of grapes; there are abundant crops of peaches, plums and almonds. It is estimated that there will be nearly 145,000,000 lb. of grapes. Orange trees have suffered, but nearly every other crop is larger than for many years. Slight complaints of 'dropping' are heard in Santa Clara Valley, where Earliest pears received a set-back; but otherwise California is rejoicing over a wonderful harvest. In consequence of the fact and with the view of opening up large tracts and bringing under cultivation as quickly as possible, under the recent Arid Lands Act, a vast Government scheme of irrigation was being rapidly pushed on in California, and importance of the project will be readily realised when it is stated that, under present computations, some million acres of land, which is at present desert, will then be brought under cultivation. Officers of the Coast and Geodetic Survey Department have carefully prospected the country, and it is believed that a start will be made in San Diego county. The success of the Imperial Irrigation Company in adjacent territories proves that the project can be made a huge success. The plans of the Department regarding the reclamation of the desert portion of this country are on a much larger scale than those of the Imperial project. The entire district between Yuma and Needles is to be systematically surveyed, with a view of drawing water from the Colorado River for the irrigation of those lands. Not only the lands below sea level are intended to be irrigated, but also those higher up. If feasible, the water will probably be taken out of the Colorado River above Yuma, and distributed over the desert section. Two surveying parties are to be put in the field. One will start at Yuma and work north, and the other will begin at Needles and work south. The country will be thoroughly exploited, and the feasibility of the project determined. There are more than 1,000,000 acres of the desert which, it is claimed, are susceptible to irrigation, and need only water to make the land as fertile as any in California. The success of the Imperial project and the great volumes of water that go to waste in the Colorado River have called the attention of the Government officials to the desert section particularly, as one of the best places to begin work under the new Act. The Imperial canal reaches several hundred thousand acres: but there is a vast tract that cannot be supplied from this source. The surveys will be made for the purpose of having water brought on to other tracts if possible. The surveys will be made in San Diego, Riverside and San Bernardino counties. On July 1st, \$5,000,000 became available for the work, and there will, consequently, be no lack of funds for making the surveys. In 1890 there were shipped from California 16,000 cartloads of fruit, grapes and wine; in 1891, 81,000 were sent out; according to the most careful estimates, the present season's output should exceed 100,000 cartloads. The one doubtful question is that of labour. The labour deficiency is growing worse because the Chinese who have been used for fruit-picking on ranches are growing old, and have not been reinforced by younger Chinese. Attempts to substitute Japanese have not been successful, because their ability for doing work is less. The labour scarcity would have been noticed even if crops had been smaller than they are, because the floating population has been practically taken away by the gold districts and the lumber industry.

ARGENTINA AND CHILE.

The award of the King in the arbitration respecting the delimitation of the boundaries between Chile and Argentina was delivered to the respective Ministers of

those countries at the Foreign Office by the Marquis of Lansdowne. The award concedes neither the boundary line claimed by Argentina nor that by Chile, but is a compromise between the two. The area of the regions disputed amounted to about 24,000 square kilometres, and the line fixed by the award leaves to Chile about 54,000 square kilometres, and about 40,000 square kilometres to the Argentine Republic. The above boundary dispute repeatedly threatened to cause hostilities between the two countries. The territory involved was the district of Atacama in the north and a certain portion of Patagonia in the south. In 1896 a treaty was concluded by which it was agreed to refer the quarrel to arbitration, but this was never carried out, and in 1893 the Chilean Government sent what was practically an ultimatum to Argentina, demanding compliance with the treaty. After some hesitation the latter yielded, and the Atacama dispute was referred to a tribunal composed of the United States' Minister in Argentina, assisted by one Chilean and one Argentine Commissioner. This court gave its decision in 1899, and both Governments accepted it. There now remained the Patagonian territory, and in the same year the matter was referred to the late Queen. The judges appointed by her Majesty to investigate the rival claims were Sir Thomas Holdich, Baron Macnaghten, and Sir John Ardagh. There was considerable delay in beginning the work, and last December the relations became once more very strained between Chile and Argentina on the report that Chile was constructing roads in the disputed territory. Troops were mobilised on both sides, but eventually it was agreed to leave the question to the arbitrators, and Sir Thomas Holdich went personally to visit the District.

INDIA.

When the year opened there were grave apprehensions in view of a deficient rainfall; even after the year was well spent the outlook was gloomy enough for the crops. The cry for more rain was widespread, and it was not till September that fears of a scarcity were allayed to some extent. According to official reports published about the end of August the dry crops in Bellary required rain. The maize and rice required more moisture in the United Provinces; but the fact that prices showed a tendency to fall was the best indication of the agricultural situation there. From the Central Provinces the reports were that the crops were in good condition. The rain came just in time to avert a general failure in the transplanted rice tracts of Chanda, Bhandara and Balaghat, so the crops in these districts were very backward, whilst some of the light rice was lost before the rain came, the crops which were withering in Rajputana revived in most parts; and except in Gwalior the outlook in Central India was from fair to good. This immense improvement in the outlook was reflected in the relief tables. The exodus from the relief works being general, the total number on relief declined by 119,222, of which 95,969 were in Bombay.

From the official crop report for the Northern Division of the Bombay Presidency, in October, it was difficult to realise that it referred to an area which a few weeks before was on the verge of a widespread and desolating famine. Throughout Gujarat a sufficiency of rain had been received, and the standing crops were flourishing. So far as this portion of the Presidency was concerned there was no cause for further anxiety. In Thana, Khandesh, Ramagiri and Kolaba the outlook was equally promising; but on the other hand in the Deccan and the Carnatic the position was less satisfactory. The situation had improved, but there were considerable tracts in which further rain was needed. This was the case in four talukas

of Nasik, the whole of Ahmednagar and Sholapur, the eastern portion of Poona and parts of Satara, Belgaum and Dhawar. The rainfall was general in Sind, and the standing crops very greatly advantaged thereby. The water in the canals, however, was low, and the inundation consequently poor.

Madras reported that the standing crops were generally fair, but were suffering from want of rain in parts of the Deccan, North Arcot, Tanjore and South Canara. More rain was generally needed, especially in some of the Western sub-montane districts, such as Aligarh and Cawnpore, where the standing crops were suffering for want of it. The condition of the standing irrigated crops in the Punjab was generally good, but the unirrigated crops had suffered from strong westerly winds and want of rain. They had commenced to wither in Hissar, Bohtak, Gurgaon, Karnal, Jullunder, Ferozpora and Amritsar. From the North-West Frontier Province came the intelligence that the standing crops were generally satisfactory, but required more rain everywhere. Even the moderate amount of rain received in the Central Provinces had proved most opportune, and had removed to some extent the anxiety as to the prospects of the autumn crops. In Mysore and the Berars the standing crops were in good condition generally; in Hyderabad the rain which was falling aroused hopes of the standing crops being saved; but in Rajputana rain was urgently needed. This is ever the normal condition of India, and can hardly be regarded as peculiar to the year just closed, or to any one year in a decade, in the past.

The total area of crops irrigated during the year 1901 was estimated at a little short of 20 million acres, and is the largest on record, while the value of crops raised under the works for which capital accounts are kept, was estimated at 4½ crores, or nearly 98 per cent. of all the capital outlay expended on them. The productive and protective major works produced a net revenue of 259 lakhs, or 7·04 per cent. on the outlay, and the minor works 27 lakhs, or 4·98 per cent. In Sind, compared with 1899—1900, there were increases in the irrigated area on the desert canal of 26,275 acres, Unharwah 9,337, Begari 26,025 and Jamrao 164,187 acres. There was a decrease on the Eastern Nara of 72,531 acres. The area in the said year was by far the largest on record, and was due to a large increase of rabi irrigation, which received a great stimulus by the high prices resulting from famine. In other parts of India, the areas irrigated by other canals were the largest on record. On the whole, compared with the previous year, there was an increase of 153,293 acres, and the year was a record one. This was said to be due to the Jamrao Canal on which irrigation on a large scale was first started during the year under review. On the whole of the works there was an increased return of 0·3 per cent. In Bombay (Deccan and Gujarat), compared with 1899—1900, there was a decrease in area of 57 acres, and on the return on capital expenditure of 1·22 per cent. due to smaller assessment and collection of revenue. The works are small compared with those of other provinces.

It was generally understood that the Viceroy of India had himself urged that the facts of the Indian situation should be made known to the House of Commons before the preparation of the Budget statement of the Chancellor of the Exchequer, and it was significant that the Secretary of State for India began his speech by agreeing that no subject deserved more consideration from Parliament than the material condition of the people of India. He admitted, too, that India is very poor, and that a certain section of the agricultural community is becoming more and more indebted. But he denied that the material condition of the country had deteriorated in the last few years or that India is poorer than she was twenty or thirty years ago. It is not, he said, in the power of mortal man to stop drought in

India, and it is to drought that famines are due. In the districts affected by drought insufficiency of food is the least evil. Employment ceases and industrial paralysis prevails. But there is conclusive evidence that the people are better able to withstand the terrible effects by droughts now than they were formerly. Every branch of revenue, except land revenue, was increasing, and this surely showed that the economic condition of India is slowly improving. As to the problem of the indebtedness of the agriculturists, Lord George maintained that it is not due to rack-renting and over-assessment but rather to the fact that under the system of land tenure in India the cultivators now possess a valuable asset, which they can alienate. It is also due to the legal facilities which enable the money-lenders to enforce their claims without difficulty. As to the "poverty" of India, there is no doubt that the income of the cultivators is very low, judged by European standards; on the whole, however, the average income in India had increased a little. He said it should be remembered that food is very cheap, and that on six rupees a month, or 3d. per day, a family of four people can have three meals a day. Irrigation, except in favoured districts, cannot prevent drought. Enumerating the improvements which the Government of India contemplate effecting, the Secretary of State for India stated that they have laid down liberal principles for their future guidance, and will be prepared when necessary to make a further advance towards introducing greater elasticity in the revenue collection, thus facilitating its adjustment to the variations of the seasons and the circumstances of the people, and towards a more general resort to reduction of assessment in cases which call for it. That India has emerged from her recent calamities with a realised surplus proved that she has progressed under British rule. Another surplus was expected next year and the districts would have a first claim upon the surplus. He in conclusion said that the policy of expending large sums on reproductive works and of establishing a stable currency had borne good fruit.

An important resolution was issued from the Revenue Department as a public exposition of the land policy of the Indian Government. It shows that the land tax absorbs a small proportion of the gross produce, and the incidence has been progressively lightened to meet the increasing needs of the people. The alleged connection of land assessment with the poverty of the people and famines is refuted. The desire of the Government to deal fairly and leniently with the agricultural classes is emphatically asserted, and principles are laid down which encourage the local authorities to greater liberality in adjusting the collections to the current necessities of the people in exceptional seasons, and to agricultural depression, however caused, which should prove of immense service in securing moderation and maintaining agricultural efficiency. The resolution includes summaries of replies from the local Governments and concludes as follows:—In the review of their land and revenue policy, which has now been brought to a close, the Government of India claim to have established the following propositions:—(1) That a permanent settlement, whether in Bengal or elsewhere, is not a protection against the incidence and consequences of famine. (2) That in areas where the State receives land revenue from the landlords, progressive moderation is the keynote of the policy of the Government, and that the standard of 50 per cent. of assets is one which is almost uniformly observed in practice and more often departed from on the side of deficiency than excess. (3) That in some areas the State has not objected, and does not hesitate to interfere by legislation, to protect the interests of the tenants against oppression at the hands of the landlords. (4) That in areas where the State takes land revenue from the cultivators, the proposal to fix assessment at one-fifth of the gross produce would result in the imposition of a greatly increased burden upon the people. (5) That the policy of long term settlements is gradually being

extended, exceptions being justified by the conditions of local development. (6) That the simplification and cheapening of proceedings connected with new settlements and the avoidance of a harassing invasion of an army of subordinate officials are part of the deliberate policy of the Government. (7) That the principle of exempting or allowing for improvements is one of general acceptance, but may be capable of further extension. (8) That assessments have ceased to be made upon prospective assets. (9) That local taxation as a whole, though susceptible to some redistribution, is neither immoderate nor burdensome. (10) That over-assessment is not, as alleged, a general or widespread source of poverty and indebtedness in India, and cannot fairly be regarded as a contributory cause to famine. Government have further laid down liberal principles for future guidance, and will be prepared, where the necessity is established, to make further advance in respect of:—(11) The progressive and graduated imposition of large enhancements. (12) Greater elasticity in revenue collection facilitating its adjustment to the variations of seasons and the circumstances of the people. (13) A more general resort to reduction of assessments in cases of local deterioration where such reduction cannot be claimed under terms of settlement.

CIVIL ENGINEERING.

The foundation stone of the new Head Sluice at Barwada was laid on the evening of the 26th March, in the presence of the Superintending Engineer, and a number of other P. W. Officers and several of the leading officials and non-officials of the Station. A silver trowel was presented to Mrs. Romilly, who "laid" the stone bearing the following inscription:—"Presented to Mrs. M. Romilly, on the occasion of the laying of the foundation stone of the new Head Sluice, Barwada, March, 1902." A bottle containing the current coins of the day and a copy of the daily papers was, as usual, buried under the foundation stone.

A short account of the work was read, stating that the circumstances which had necessitated the construction of a new head sluice for the Eastern delta, and the demolition of the existing one, had been discussed by Government experts. There had been very high floods (the highest ever known) in the year 1896, beginning on the 30th July. On the night of the 3rd August, the head sluice had begun to leak from the regulating platform on to the lower platform. As the head was increasing the head sluice began to vibrate, and had to be loaded with sand bags the following day to reduce the vibration, till the floods had gone down, i.e., for nearly a fortnight, the head sluice appeared to be in danger, and had to be keenly watched and protected both day and night. Ever since its stability had given cause for anxiety. The Inspector-General of Irrigation, who visited the work in 1897, made certain proposals for strengthening it. Experiments, however, to test leakage underneath and upward pressure, had indicated that the whole work was unsafe, and the Inspector-General was of opinion that a new head sluice was desirable. Plans and estimates were accordingly prepared for a new head sluice and sanctioned by Government. As the new head sluice had been proposed to be built at the site of the bridge over the main canal, so as to avoid the construction of massive and costly retaining walls which would otherwise be required to connect the new sluice with the abutment of the existing work, the dismantling of the bridge was begun the month before. The masonry and brick work of the bridge being found too strong to be dismantled by manual labour, blasting was begun and all the three arches of the bridge completely demolished, and ever since the work had been steadily progressing, attaining its present state in March last.

THE MYSORE ELECTRIC INSTALLATION.

This gigantic scheme was successfully carried out by the General Electric Company of New York, America, on the 22nd July, and the first cranes on the Kolar Gold Fields which were started by the new electric power from the Cauvery Falls, were those of the Ooregann Mines, when a whole battery of 120 heads of stamps were set in motion by the current. By the agreement with the Gold Mining Companies the Mysore Government is bound to supply them with 4,000 horse power at first going off, 4,000 horse power more when asked for after the first instalment has been going for one year, and a third instalment of 4,000 horse power later on. The Companies have already intimated to the Government that they will need the second instalment, and it is said to be not at all unlikely that the full complement of 12,000 horse power will be asked for in due course. But though the Mysore Government is not bound to give this third 4,000 horse power, it is on the cards that they will offer the Mining Companies the refusal of the same before any others.

The ceremony of switching on the current was performed by Mrs. Robertson, the wife of the Resident in Mysore. After the necessary preparations, Mrs. Robertson was asked by Colonel D. McNeil Campbell, R.E., Engineer-in-Chief, P. W. D., to the Mysore Government, to throw on the switch, the effect of which was to bridge the gap of 92 miles between the Kolar Gold Fields and the "Falls" at Sivasmudram and complete the circuit with the high tension of 30,000 volts. This is the first instance in India of a power installation of electricity being applied to mining machinery.

BOUNTY-FREE SUGAR.

The attention of the Madras Chamber of Commerce having been drawn to the great injury which was being caused to all Indian sugar producers by the unofficial Cartel and other indirect bounties on the Continent of Europe, a letter was addressed to the Government of India in March, supporting a memorial on the same subject from refiners and merchants having large interests in the sugar trade of India, and urging that no time should be lost in imposing such additional import duties in this country as would effectually countervail these bounties. The Brussels Conference had arrived at decisions which would necessarily compel Continental refineries (in order to avoid the holding of stocks when bounties direct and indirect were abolished or reduced) to flood India meanwhile with sugar at prices far below the cost of production either here or elsewhere. Later on a Bill to amend the Indian Tariff Act was published in the *Gazette of India*. It empowered the Government of India to countervail the indirect Cartel bounties alluded to and specified the incidence and method of levying the additional duties. After the passing of the Bill Government then issued rules for the identification of the origin of all sugar imported; and since they became effective from the 1st of November any evasions of the tariff are difficult and a great improvement in price has taken place which may largely be ascribed to them.

A BUREAU OF COMMERCE FOR INDIA.

The Government of India had under consideration the question of creating a Bureau of Commercial Intelligence in connection with the Department of Finance and Commerce. They have been impressed by the defective nature of the arrangement for providing the Government with advice and information upon commercial and industrial questions in which the State is concerned. Still more noticeable is

the almost entire absence of any machinery by which Government can systematically procure and communicate to the commercial public information on matters which are of interest to them and regarding which individuals or public bodies may have difficulty in obtaining for themselves. It would appear that the creation of a machinery, competent to supply this two-fold defect, must necessarily be beneficial both to the mercantile community and to the State.

RAILWAY NOTES.

A RAILWAY BUREAU.

A most important scheme in connection with Indian Railway was in contemplation during the year just closed. This is no other than the institution of a Chamber of Indian Railways, which will be on lines similar to the Railway Clearing House in England and the Railway Association in America. The object is to secure greater uniformity and unanimity in the regulation of railway traffic in India. While it is not intended that either Government or the Boards should divest themselves of any of their legitimate authority and transfer it to the Chamber, the latter body will act independently in many matters which are at present the subject of reference to higher authority and, in questions not within their power to settle, they will offer views and opinions for guidance. The Chamber, which will be open to all Railways in India and Burma desirous of joining it, will not deal with Engineering matters. The reason for the existence of a Chamber can be inferred from the somewhat candid statement of the Government Director of Railway Traffic at the last Conference. "The Government of India have not," he said, "a large body of experts attached to it, and if it wished to obtain advice on railway matters, it was only natural that it should apply to the experts attached to its railways." Hitherto, the Government has endeavoured to cope with the work without extraneous aid, and it can safely be said that while it has been dutiful, no doubt, it has caused some amount of vexation and inconvenience to a body of men who must view such things from a strictly commercial point of view. The Chamber will consider amongst other things—(a) Questions affecting the revenues of groups of railways, but not the whole railway system of India..... "so as to minimise the evil effects of competition." (b) Questions affecting the working of railways where economical and efficient management necessitate agreement in regard to the rules under which traffic shall be interchanged. (c) Questions affecting revenues which are personal to railways individually, such as rates for coal, iron ore, iron and steel. To sum up, the functions of the proposed Chamber, which will have a whole-time Secretary of its own, are outlined as follows:—(1) To consider all questions referred to it by Government, railway parties to the Conference, or public bodies, including questions of rates and fares; (2) to arbitrate between railways in all disputes when called upon to do so by mutual consent; (3) to interpret all readings of Conference rules, decisions and awards; (4) to alter or cancel existing Conference rules and make such new ones as may from time to time be required; (5) in all matters referred to it under (1), the Conference shall give such opinion or make such representation as it may think fit; (6) in all matters referred under (2) and (3), the decision of the Conference shall be final and binding; (7) in all matters connected with (4), the decision of the Conference shall be binding after confirmation by the Government of India and the Boards of Directors concerned; (8) with regard to (1), (2) and (4), the majority must consist of one-third of the total votes of those present, and with regard to (3) a bare majority shall rule the decision; (9) in voting on all questions put before the Conference, the voting power of each railway shall be calculated on the same basis as at the last Railway Conference or as altered from time to time.

BOMBAY, BARODA AND CENTRAL INDIA RAILWAY.

When the contract of the B. B. and C. I. Railway expires in 1903, the Government of India will be in the position of owning every trunk railway in India, except one, the Madras Railway, whose contract runs until 1905. As in the case of the East Indian Railway, and more lately the G. I. P. line, the Government will probably decide to buy up the B. B. and C. I. Railway by a system of annuities having a currency for perhaps fifty years, and the existing Directors, strengthened by some new accessions, will doubtless be asked to continue to manage the railway for the State, in consideration of receiving a fixed guaranteed interest on the amount of invested capital, plus a certain share in the surplus profits. Under this arrangement present shareholders, who desire to be bought out and to be quit of the railway, will elect to draw their annuities, while those wishful to participate in the advantages of the new contract will hand their annuities back to the Government, and accept instead the terms of the new managing contract. Either way the railway will become the absolute property of the Government, subject to the claims above described. In some instances, as in the case of the North-Western Railway, which was once the property of a Company, the Government, on purchasing the concern, have preferred to be their own managers; but the more general and the more satisfactory arrangement in Imperial interests is that under which the Government hand over the management of their railway systems to strong commercial Companies and take the lion's share of the profits. As for the B. B. and C. I. Railway system with its connections, it has a great programme of extensions which, once the new contract is entered into, will no doubt proceed apace until ultimately the Company will attain railway control over the vast stretch of the Indian Continent from Bombay to Delhi on the North-East, and from Bombay to Karachi on the North-West.

THE PUDUKOTTA PROJECT.

A Resolution was passed by the Madras District Board at a Special Meeting held on the 22nd March in which it was determined, subject to confirmation, to levy a 3-pie cess under clause 2, section 57, of the Local Boards Act, for the purpose of railway construction. The importance of providing the eastern portion of this district with adequate means of communication was long recognised by the District Board. The Ramnad taluks have never received a fair share of the local expenditure on roads, and the consequence is that they remain to this day more remote and difficult of access than any part of the district. The roads are few in number and badly kept, the distance from quarries and the difficulties of road-making in a black-cotton soil having injuriously affected the supply of communications. It was at first proposed that the line to be constructed should be in continuation of the Tanjore District Board's line from Mayavaram to Mutiypet, the continuation of which to Arantangi has been sanctioned by Government. But when it was found that a scheme for railway construction from Tanjore through Pudukotta to the sea had already long engaged the attention of the Pudukotta Durbar, and that the Government of the Rajah was prepared to undertake the construction of a railway to Kannadikottam, the advantages of that route were seen to be greater than that of one via Arantangi, while the distance is practically the same. The District Board therefore decided in favour of the Tanjore-Pudukotta route, as passing through richer country, giving direct communication with Pudukotta and Tanjore, and not being open to the objections which might be raised to the continuation southward of the Tanjore Board's line.

THE MARMAGOA RAILWAY SETTLEMENT.

At the annual Meetings of the West of India Portuguese Guaranteed Railway Company on the 5th June the Chairman, Sir Henry Green, K.C.S.I., announced that the proposal to work the line by the agency of the Southern Mahratta Railway was arranged. He said he would not specify what the details of the agreement were, as he thought such an announcement would be premature, but he told the shareholders bluntly, "the terms are all right." The agreement was really the result of the boycotting of the line by the Southern Mahratta and the G. I. P. Railways.

AN IMPORTANT CEYLON LINE.

The opening of a section of the Northern Railway in Ceylon is an event of more than local importance. It brings appreciably nearer the day when there will be direct communication between India and Ceylon. The Central Ceylon Railway is now advancing rapidly from both south and north, and before very long the tracks will meet. Sir West Ridgeway despatched the first train from Point Pedro, the northern terminus in the Jaffna Peninsula, to Kankasanturai, twenty miles nearer Colombo, and he travelled over eighteen miles of the Kurunegala or southern section. Before very long Jaffna will be connected with Colombo. Then must come the branch from Madavachchi to Manaar on the South Indian System. And when this point has been reached, it will not be long that the shallow water flowing over Adam's Bridge will be allowed to divide the railway systems of India and Ceylon. Mr. Theo. Michell, the Engineer-in-Chief of the Pamban branch of the South Indian Railway, has shown how easily the Indian line could be carried from Mandapam to the end of Rameswaram Island. A viaduct presenting no great engineering difficulties would link up the systems, and from Bombay, Calcutta or Madras the traveller could be carried direct to the heights of Kandy or to the charms of Nuwara Eliya. The completion of the scheme is more than probable—indeed Sir West Ridgeway has declared it is "as sure as the sun rises in the East." But apart from this, the Ceylon Northern Railway seems likely to provide an additional outlet for the surplus population of Southern India. At present the fertile and overcrowded Jaffna Peninsula is cut off from the southern portion of Ceylon by a large tract of almost uncultivated and unpopulated country. It is 120 miles by road from the nearest railway station, and 80 miles of the road runs through this barren district, which the monsoons that make South and West Ceylon so fertile hardly touch.

A RAILWAY ACCIDENT.

A terrible railway accident, in fact the worst accident in India for some years, occurred on the night of the 12th September, at about 205 miles from Madras on the Madras-Bombay line. The train which left Madras at 6-45 p.m. on Thursday night passed through Mangapatnam station at the right time, 3-24 a.m., and having arrived at the bridge, which had been washed away owing to an abnormal and unprecedented fall of rain, plunged into the gap falling a distance of 12 or 13 feet. The engine and foremost vehicles were piled together in one broken mass while a long composite, first and second class carriage rested upon this mass, retaining a vertical position though partly submerged. The wood-work of the composite was a good deal broken and many of the passengers were carried out by the force of the current, some being drowned and some saved. Others remained till daylight when they were extricated. The next vehicle was a long bogie third class carriage. The leading end travelled a little beyond the edge of the gap so that the bogie with its wheels

fell away leaving the under-frame resting on the span while the rear end of it remained on its wheels. Its forward compartment was submerged in the water to a depth somewhat above the level of the seat, but the wood-work was not much damaged, and it was understood that no person in this carriage was lost. After this carriage came the chief guard's van, the last vehicle on the train, which stood just off the bridge.

Very little could be done in the way of rescue till daylight. As soon as it was possible to see, the guard and one or two uninjured passengers began to assist those left in the train to reach the land. Those in the last three or four compartments of the bogie third class had merely to alight on the plank of the bridge and experienced no difficulty, but those in the leading compartments had a less easy task. The passengers in the composite which was standing on the debris were also got at with considerable trouble. As soon as arrangements could be made a train was provided to take the survivors to Cuddapah, or Madras, or to such station as they might elect, the injured being placed in the Cuddapah hospital. The fact that the train plunged at once into the water seems to have mitigated the violence of the shock, and amongst the bodies found only a small proportion were mutilated, the majority having perished from drowning. The disaster was unfortunately attended with lamentable loss of life; 71 dead bodies were subsequently recovered either at the scene of the accident or at various points downstream where they had been carried by the current; 77 persons escaped, and 8 only remain unaccounted for to complete the total of 156 who were in the train. The collapse of the bridge is found to have been due to the side pressure to which the skew piers and girders were subjected by the immense volume of water which rose above the girders on the south side, and the force of which was augmented by large accumulations of straw and rubbish until one of the piers gave way and was bodily overturned. The Government were of opinion that the accident was due to causes beyond human control, and could not be attributed to negligence on the part of the railway administration or laxity on the part of the company's establishment.

MORADABAD-GHAZIABAD CHORD LINE.

The completion of the Moradabad-Ghaziabad chord line which gave the Oudh and Rohilkhand Railway access to Delhi naturally brings to the front some minor projects in that part of the United Provinces. Originally the East Indian Railway proposed to build a line from Khurja, between Aligarh and Ghaziabad, to Gurumukhtesar, but on investigation the Government pronounced against this scheme, as it was held to be doubtful whether any of the trans-Gangetic trade which now goes westwards to Delhi and Meerut would be attracted southwards. At the same time lines were surveyed from Meerut to Hapur and from Meerut to Gurumukhtesar. The former, 19½ miles in length, was estimated to cost about 11 lakhs; the latter, 29 miles, 17½ lakhs. It was not intended to build both of these, but to discover which was the better of the two. It was announced that sanction has been given to the East Indian Railway to construct a line from Khurja to Hapur instead of to Gurumukhtesar. It will be 37 miles long and will cost some 20 lakhs. As it will pass through the native towns of Khurja and Bulandshahr and of a district served by three branches of the Ganges Canal its local traffic should be very considerable. Moreover, it is clear that Government intend to carry out the Meerut-Hapur project, and there will thus be a chord from Khurja to Meerut which will avoid the detour via Ghaziabad. It will be possible to establish a good train-service by this line not only to Meerut but to Saharanpur, if the two railways concerned will pull together.

MUTINY TELEGRAPH MEMORIAL.

The unveiling of the Meeting Telegraph Memorial by His Excellency the Viceroy on the 9th April at Delhi was made the occasion for giving an account of an episode hitherto unheard of in history by the Superintendent of Telegraphs, Punjab Division:—

"I have been asked to give you a short account of an episode which it is desired to commemorate. On the morning of Sunday, the 10th May, 1857, before closing office at 8 A.M. the Meerut signallers informed their comrades at Delhi that the 3rd Cavalry were being punished for refusing to handle cartridges served out to them, and promised to give further particulars on re-opening at 4 P.M. These particulars were, however, never received, as when the Delhi Telegraph Office was re-opened in the afternoon all communication with Meerut was discovered to be interrupted. On the following morning Mr. Todd, the Assistant in charge of the Delhi Office, finding communication still interrupted, crossed the Jumna with the intention of proceeding along the line to restore communication. While at the cable house (the plinth of which is still visible) on the Meerut road, close to the toll gate of the bridge of boats, he was discovered by the advance guard of the mutineers and murdered and his body thrown into the river. From the fact of his adopting the unusual course of proceeding himself on interruption duty instead of sending out one of his signallers, it is probable that he thought something serious had happened and preferred to face the possible danger himself. It is common history how these mutineers were first sighted this same morning from the river wall of the Magazine adjoining this spot, and the terrible events which closely followed their arrival in Delhi. Only a few of us, however, know that two young signallers, Brendish and Pilkington, remained at their post of duty in the Delhi Telegraph Office throughout that terrible morning, in spite of the sound of heavy firing and the sight of fugitives and wounded officers passing the office, who warned them of their great danger and bade them escape while there was time. It was not until the afternoon when the Lieutenant, who had accompanied Mr. Todd, returned with intelligence of his murder, that they decided to leave the office, and, taking Mrs. Todd and her child with them, escaped to the Flagstaff tower, where other fugitives had already collected. But in spite of their critical situation, they had the presence of mind, before leaving the office, to signal to Umballa the portentous information:—"The Sepoys have come in from Meerut and are burning everything. Mr. Todd is dead and we hear several Europeans. We must shut up." This being repeated to Lahore, Rawalpindi, Peshawar and other places gave the authorities the first warning of the coming crisis. Later in the afternoon Signaller Pilkington, at the entreaty of a Staff Officer, volunteered to return to the Telegraph Office and despatch an official telegram from Brigadier Graves to the authorities, the only official one sent that day. Signaller Pilkington, being a cripple, was furnished with a horse by that officer, and succeeded in carrying out his desperate mission, hearing, while in the Telegraph Office, the explosion of the magazine. As he was leaving office, he was captured by the rebels, but his life was spared on account of his deformity, and he subsequently escaped. This official despatch, confirming, as it did, the previous news, enabled the authorities to gauge the gravity of the situation and to take the necessary precautions, which are now matters of history. In the words of the late Sir Robert Montgomery (then Judicial Commissioner of the Punjab) "The electric telegraph saved India." Both the signallers, Pilkington and Brendish, ultimately reached Umballa. Signaller Pilkington received promotion for his services, but died a few years afterwards. Signaller Brendish, who is present here to-day, joined the Meerut Light Horse, and was afterwards transferred to the Bengal Yeomanry Cavalry, with which Regiment he served till its disbandment, in July, 1859. He then rejoined the Department and served till

1896, when the Secretary of State for India was pleased to grant him a pension equivalent to his full pay. The idea of commemorating in some manner the services which I have related had been mooted from time to time, but it was not until 1899 that the then Director-General of Telegraphs, Mr. G. E. Pitman, took the matter up in earnest. The proposal was that a monument should be erected at the cost of the members of the Telegraph Department only. This proposal was enthusiastically received and supported by the Officers, past and present, and subordinates, Europeans, Eurasians, and natives of all grades. The subscribers, who number 1,229, contributed in all a sum which was more than double that originally anticipated, and enabled us to obtain from Scotland the obelisk which is about to be unveiled. It was hoped that the monument might be erected in the Jubilee year of the Telegraph Department, viz., the official year 1900-1901, but owing to the delay in finding a suitable block of granite, it could not be done. The compound of the present Telegraph Office has been chosen as the site of the monument in preference to that of the original Telegraph Office, a thatched-roof building, the property of Mr. Taylor, the Principal of the Delhi College, which was situated in the compound of the present residence of the Commissioner of Delhi as being more suitable and in close proximity to the scene of another act of heroism on the same day which is commemorated by the archway of the old Magazine close by."

MEMORIAL BUILDING AT AMRITSAR.

The 15th of April was a day of great rejoicing at Amritsar, when the Commander-in-Chief, in the presence of the representatives of nearly every Sikh regiment and company in the Army, and of an immense crowd of Sikhs from all parts of the Punjab, inaugurated the memorial building to twenty-one non-commissioned officers and men of the 36th Sikhs who fell while defending the Saraghari Fort on 12th September 1897. The building was erected by Government at a cost of Rs. 20,000. The inscription and names of the twenty-one men are on a marble tablet on the right-hand side of the front entrance. The Commander-in-Chief addressed the assemblage as follows:—

"Sirdars and Kalsa Log,—I consider it a great honour that it has devolved on me to inaugurate this memorial to the brave Sikh soldiers who fell at Saraghari with their front to the enemy. The Viceroy would have liked to have performed this ceremony had not the cares of State called his Excellency elsewhere. It is particularly pleasing to me to individually have the opportunity of showing by my presence here to-day my admiration and affection for the great Sikh nation, as I have been associated with Sikh soldiers from almost my earliest recollection of the Indian Army. Belonging, as I do, to that fast dwindling number who were present in this land in the days of the Indian Mutiny, I can remember the relief that it was to us all to find that the Sikhs and people of the Punjab were staunch, when others who had prospered under our rule turned against us, and that those who had proved themselves a foe worthy of our steel little more than ten years previously could be counted on to assist us in our hour of need. Your Chiefs came forward with loyal contingents, and new regiments sprang into being, consisting of Sikh and Punjab soldiers, who from that day to this have worthily maintained the name of their ancestors as fine fighting men—regiments such as the "Brassey's Sikhs" (now 1st Sikhs), and others which it would take me too long to specify. I would refer especially to the grandfather of the present Chief of the Kapurthala State, Raja Rawa Randhir Singh, who took a contingent to Jullunder and then to Oudh, and fought for us at the head of his troops, and obtained the Mutiny medal after assisting us to quell the rising against British rule in 1857. The Sikhs have fought side by side with our other soldiers in many lands, such as the Soudan and China, besides numerous frontier expeditions, and whether as soldiers or colonial policemen, are so much appreciated that the call is for more, and yet

more, and yet more Sikhs. Government have lately, on my advice, extended the area of recruiting by sanctioning the enlistment of Lobanas, short but sturdy men, whose services have heretofore been lost to the State because they could not reach the height of the Viceroy's Body-guard. The memorial which we are assembled to inaugurate is the outcome of spontaneous appreciation of the gallantry of the representative detachment of your nation belonging to the 36th Sikhs, who proved they still possessed one of the finest characteristics of a soldier—that they preferred death to surrender. It is well known to most here present how a brave band of heroes, when temporarily cut off from reinforcements, held Saraghari on Samana, which was a small connecting post between Fort Lockhart and Gulistan, when it was surrounded by fanatical tribesmen. For the time being assistance from larger posts was impossible, as they were all so beleaguered. The garrison of Saraghari, consisting of twenty-one men, whose names are inscribed on the memorial, held on till the post was no longer tenable, and perished in its ruins to the last man. It was felt that this conduct, which was so characteristic of the Sikh nation and its traditions, ought to be kept in remembrance as an example to others how brave men should behave "when facing fearful odds," so this memorial has been erected in order to show that as long as British rule in India lasts the brave Sikh soldiers of the King shall realise their deeds and shall never be forgotten, and that other classes may understand that we know how to appreciate men who fight for us and show by their conduct they can die for us."

MONUMENT TO THE MEMORY OF THOSE WHO PERISHED IN THE BLACK HOLE.

On 19th December His Excellency the Viceroy unveiled the marble monument which he had erected at his own cost as a gift to Calcutta, on the site once occupied by the somewhat similar Holwell monument in brick, to the memory of those who perished in the Black Hole. It bears inscriptions similar to those on the original monument, but the list of the names of those who perished has been enlarged from researches which His Excellency has made in India and England. In the course of his speech, the Viceroy gave an eloquent account of the associations of the historic spot on which he stood at the gateway of old Fort William and immediately above the ditch into which the bodies of the victims of the Black Hole were thrown. His Excellency went on to describe the measures he has taken, by setting up mural tablets and brass pavement plates, to preserve the location of the Fort itself. He said:—"In carrying out this scheme, I have been pursuing one branch of a policy to which I have deliberately set myself in India, viz., that of preserving, in a breathless and often thoughtless age, the relics and memorials of the past. To me the past is sacred. It is often a chronicle of errors and blunders and crimes, but it also abounds in records of virtue and heroism and valour. Anyhow, for good or evil, it is finished and written and has become part of the history of the race—part of that which makes us what we are. Though human life is blown out as easily as the flame of a candle, yet it is something to keep alive the memory of what it has wrought and has been, for the sake of those who come after, and I daresay it would solace our own despatch into the unknown if we could feel sure that we, too, were likely to be remembered by our successors, and that our name was not going to vanish altogether from the earth when our last breath has fled from our lips. I have been strictly impartial in carrying out this policy, for I have been equally keen about preserving the relics of Hindu and Mussalman, of Brahmin and Buddhist, of Dravidian and Pathan, of European and Indian. Christian and non-Christian are to me absolutely alike in the execution of this solemn duty. I draw no distinction between their claims, and, therefore, I am doing no more here than I have done elsewhere, if I turn to the memories of my own countrymen, and if I set up in the capital of the Indian Empire this tardy tribute to their sacrifice and suffering."

PART I.—CALENDAR.

THE CALENDAR FOR THE YEAR 1903.

PRINCIPAL ARTICLES.

CHRON	ICAL NOTES.
Golden Number	4 | Dominical Letter..... D
Epact	2 | Roman Indiction
Solar Cycle	8 | Julian Period..... 6816

EXPLANATION OF CHRONOLOGICAL CYCLES AND ERAS.

The Golden Number is that which any given year holds in the lunar cycle, which is a period of 19 years, at the lapse of which the phases of the moon take place on the same day of the month respectively as at the commencement of the cycle. Therefore while the sun performs its annual course 19 times, the courses of the moon amount to 235. In the ancient calendar this number was inscribed on a tablet set up in the market-place of Athens in letters of gold, hence the term *Golden Number*. It was likewise called the *Prime*, because it pointed out the first day of the new moon, *primum lune*.

The Epact is the number of days of the lunar cycle, over and above all the complete courses of the moon for any number of years, hence the number indicates the age of the moon at the beginning of the year.

The Solar Cycle is a period of 28 years, which, owing to leap year, must necessarily elapse before the days of the month can return respectively to the same days of the week as at the commencement of the cycle. The first year of the Christian Era was the tenth year of this cycle.

The Dominical Letter is that letter of the alphabet which points out in the calendar the Sundays throughout the year, thence also called the *Sunday Letter* or *Dies Dominici*.

The Roman Indiction was a period of 15 years, instituted by Constantine the Great in A.D. 312, for levying certain taxes upon the subjects of his empire. The Popes since the time of Charlemagne have dated their acts by the year of the Indiction which was fixed on the 1st of January.

The Julian Period embraces 7,980 years, and is produced by multiplying into each other the solar cycle (28), the lunar cycle (19), and the cycle of the Indiction (15). This period is reckoned from 709 years before the usual date fixed upon for the creation; at a time when the three cycles are supposed to have commenced together; a circumstance which cannot take place again until A.D. 3267, or the lapse of the entire period.

This style was contrived by Joseph Juste Scaliger in A.D. 1583, for chronological purposes, and is assumed as a fixed era in the calculations of all Astronomers and Chronologists. It is of great importance as the standard or general receptacle of all other epochs, period and cycles: "into this, as into a large ocean, all the streams of time discharge themselves, without losing their character, and if historians had recorded the number of each cycle in each year respectively, there would have been no dispute about the date of any event in past ages."

GREGORIAN CALENDAR OR NEW STYLE.

Up to 1582 the length of the year as computed by Julius Caesar in B.C. 45 consisted of 365 days and 6 hours, but as the true length of a solar year is only 365 days, 5 hours and nearly 49 minutes, this calculation had produced an error amounting to 10 days. Consequently Pope Gregory XIII—hence the calendar was called *Gregorian*—undertook in 1582 to rectify that error by making the year to consist of 365 days, ten days between the 4th and 15th October were struck out, and the 5th was reckoned as the 15th October. According to this style the ordinary year is to consist of 365 days, but the year 1684 and every fourth year afterwards termed leap year to contain 366 days, and the centuries 1700, 1800, 1900, 2100, and so on for those centuries which are not divisible by 400 are to be reckoned, not as leap years, but as ordinary years of 365 days only.

The new style has been gradually adopted throughout Europe, except in Russia and countries in which the Greek Church is the Established Religion.

In Great Britain the new style was adopted in 1752, by that time the error had amounted to 11 days; it was therefore enacted that September 3 of that year should be reckoned as September 14. During the present century, supposing the new style had not been adopted, the error would be 12 days, and this difference must therefore be allowed in Russian and Greek dates. Thus a Russian bill, dated March 2, must be reckoned as dated March 14.

ANNIVERSARIES, &c.

Birth of Duchess of Fife.....	Fri.	Feb. 20
Birth of Princess Louise.....	Wed.	Mar. 18
Birth of Princess Beatrice.....	Tues.	Apl. 14
Birth of Prince Arthur.....	Fri.	May 1
Birth of Princess Helena.....	Mon.	May 25
Birth of Prince of Wales.....	Wed.	June 8
Birth of Princess Victoria.....	Mon.	July 6
Birth of King Edward VII.....	Mon.	Nov. 9
Birth of Princess Royal.....	Sat.	Nov. 21
Birth of Princess Maud.....	Thur.	Nov. 26
Birth of Queen Alexandra.....	Tues.	Dec. 1

HINDU, MAHOMEDAN AND JEWISH ERAS.

The year 5005 of the Hindu Era of Kaliyugam commences on 30th March 1903.
 The year 1961 of the Hindu Era of Vikramajit commences in the Madras Provinces on 30th March 1903, and in the Provinces of Gujarat, Deccan and Concan, it commences on 21st October 1903.
 The year 1826 of the Hindu Era of Salivahana commences on 30th March 1903.
 The year 87 of Brabhaspathi Manam Sobhakrita commences on 18th April 1903.
 The year 3564 of the Hindu Drigganitham commences on 30th March 1903.
 The year 1479 of the Hindu Era of Collum Andu in the Malabar Provinces commences on 18th August 1903.
 The year 1321 of the Mahomedan Era of Hejira commences on 31st March 1903.
 The year 1813 of Fashi commences on 1st July 1903.
 The year 5564 of the Jewish Era commences on 22nd September 1903.
 The year 1310 of the Hindu Bengali Ballasana Era in the Bengal Provinces commences on 30th March 1903.
 Ramadan (Month of Abstinence observed by the Turks) commences on 21st November 1903.

FIXED AND MOVABLE FESTIVALS.

Epiphany.....	Tues.	Jan. 6	St. George.....	Thur.	Apl. 23
Accession of King Edward VII.....	Thur.	Jan. 22	Rogation Sunday.....	Sun.	May 17
Proclamation.....	Fri.	Jan. 23	Ascension Day (Holy Thursday).....	Thur.	May 21
Septuagesima Sunday.....	Sun.	Feb. 8	Victoria Day.....	Sun.	May 24
Sexagesima Sunday.....	Sun.	Feb. 15	Pentecost (Whit Sunday).....	Sun.	May 31
Quinquagesima (Shrove Sunday).....	Sun.	Feb. 22	Trinity Sunday.....	Sun.	June 7
Ash Wednesday.....	Wed.	Feb. 25	Corpus Christi.....	Thur.	June 11
Quadragesima (1st Sunday in Lent).....	Sun.	Mar. 1	St. John the Baptist, Midsummer Day.....	Wed.	June 24
St. David.....	Sun.	Mar. 1	St. Michael (Michaelmas Day).....	Tues.	Sept. 29
St. Patrick.....	Tues.	Mar. 17	All Saints' Day.....	Sun.	Nov. 1
Annunciation (Lady Day).....	Wed.	Mar. 25	All Souls' Day.....	Mon.	Nov. 2
Palm Sunday.....	Sun.	Apl. 5	1st Sunday in Advent.....	Sun.	Nov. 29
Good Friday.....	Fri.	Apl. 10	St. Andrew.....	Mon.	Nov. 30
Easter Sunday.....	Sun.	Apl. 12	St. Thomas.....	Mon.	Dec. 21
Low Sunday.....	Sun.	Apl. 19	Christmas.....	Fri.	Dec. 25

PRINCIPAL MAHOMEDAN FESTIVALS.

Yeedi Ramzan or Kuthba.....	Thur.	Jan. 1	Yazdikhon or Garveen.....	Tues.	July 7
Bakreeh.....	Tues.	Mar. 10	Sultan Mahomed Kujri Ooroos.....	Sun.	July 19
Sultan Amithkhan Ooroos.....	Fri.	Mar. 13	Buttoo Shahood's Ooroos.....	Tues.	Aug. 4
Moharam 1321.....	Tues.	Mar. 31	Kader Wallies Ooroos.....	Thur.	Sept. 3
Shaw Ali Ullah Mahabath Ooroos.....	Tues.	Apl. 28	Shaw Niameth Alla Ooroos.....	Tues.	Oct. 13
Shaman Farsie Ooroos.....	Sun.	May 3	Yeedi Rujjub.....	Mon.	Oct. 19
Pierpolvan's Ooroos.....	Fri.	May 6	Shaba Barath.....	Thur.	Nov. 5
Thara Tejee.....	Mon.	May 11	Ramzan.....	Sat.	Nov. 21
Atkari Char-Shamba.....	Wed.	May 27	Moul Ali's Ooroos.....	Sun.	Dec. 6
Weladut i-Shareef or Bara-wafat.....	Tues.	June 9	Lingam Pulli Ooroos.....	Tues.	Dec. 18

PRINCIPAL HINDU FESTIVALS.

Vaikunta Ekadasi.....	Sat.	Jan. 10	Dattatreya Jayanti.....	Thur.	July 15
Andra Darasam.....	Tues.	Jan. 13	Tira Audi Param.....	Wed.	July 27
Bhogi Pandagani.....	Tues.	Jan. 13	Vara Lakshmi Vratam.....	Fri.	Aug. 7
Pongal Pandagani.....	Wed.	Jan. 14	Gajendra Moksham.....	Sat.	Aug. 8
Tai Amavasya.....	Wed.	Jan. 28	Devi Veda Upakaramam.....	Sat.	Aug. 8
Katha Septami.....	Wed.	Feb. 4	Teyar Veda Upakaramam.....	Sat.	Aug. 8
Tai Pusam.....	Tues.	Feb. 10	Audi Pandagani.....	Sat.	Aug. 15
Maha Siva Ratri.....	Wed.	Feb. 25	Collum Andu.....	Sun.	Aug. 16
Molagudi Serval at Tiruvattiyur.....	Thurs.	Mar. 12	Gokula Asnam.....	Sun.	Aug. 16
Holi Pandagani.....	Fri.	Mar. 13	Krishna Jayanti.....	Mon.	Aug. 17
Karna Dehahanu.....	Fri.	Mar. 13	Sama Veda Upakaramam.....	Tues.	Aug. 25
Telugu New Year Day.....	Mon.	Mar. 30	Vinayaka Chavithi.....	Wed.	Aug. 26
Sri Rama Navami.....	Mon.	Apl. 6	Avani Maham.....	Tues.	Sept. 1
Radotsavam at Mysapore.....	Wed.	Apl. 8	Anantha Chaturdasi.....	Sat.	Sept. 5
Aravattimuvat at do.....	Thur.	Apl. 9	Mahataya Amavasya.....	Sun.	Sept. 20
Pongal Uthram.....	Fri.	Apl. 10	Saraswati Pujarambam.....	Tues.	Sept. 22
Tamil New Year Day.....	Mon.	Apl. 13	Ayuda Puja.....	Wed.	Sept. 30
Garudotsavam at Triplicane.....	Wed.	Apl. 15	Vijaya Dasami (Dasara).....	Wed.	Sept. 30
Radotsavam at do.....	Sun.	Apl. 19	Dipavali Pandagani.....	Mon.	Oct. 19
Narasimha Jayanti.....	Sun.	May 10	Kathara Gowri Viratnam.....	Tues.	Oct. 20
Garudotsavam at Cojpey.....	Mon.	June 8	Karam Deepam.....	Wed.	Dec. 2
Anni Amavasya.....	Wed.	June 24	Kritikai Deepam.....	Thur.	Dec. 23
			Vishnu Deepam.....	Fri.	Dec. 4
			Vaikunta Ekadasi.....	Wed.	Dec. 30

KRITHIKA VIRITHAMS.

January.....	9	April.....	1, 28	July.....	20	October.....	9
February.....	6	May.....	26	August.....	16	November.....	6
March.....	5	June.....	22	September.....	12	December.....	13, 31

EKADASI VIRITHAMS.

January.....	10, 24	May.....	7, 23	September.....	2, 17
February.....	8, 23	June.....	5, 21	October.....	2, 17
March.....	9, 24	July.....	5, 21	November.....	1, 15, 30
April.....	8, 23	August.....	4, 19	December.....	14, 30

NEW MOON OR AMAVASIA VIRITHAMS.

Month and Day.	Tamil Month and Date.	Month and Day.	Tamil Month and Date.
January..... 28, Wednesday	Tai..... 15	July..... 24, Friday	Audi..... 9
February..... 27, Friday	Masi..... 16	August..... 22, Saturday	Avani..... 7
March..... 28, Saturday	Punguni..... 15	September..... 20, Sunday	Perattasi..... 5
April..... 27, Monday	Chithirai..... 15	October..... 20, Tuesday	Alpasi..... 4
May..... 26, Tuesday	Vaisasi..... 13	November..... 18, Wednesday	Kartikai..... 3
June..... 24, Wednesday	Auni..... 10	December..... 18, Friday	Margali..... 4

ECLIPSES IN 1903.

There will be two eclipses of the sun and two of the moon.

I.—March 29th, Sunday.—An annular eclipse of the sun, visible in India, to the east and north of a line drawn from Poodoosottah or Point Calimere to Poonah and thence to Mooltan.

In Madras, seen as partial; the sun will be below the horizon at the beginning and middle of eclipse.

The sun rises eclipsed at 5 6 Morn. Madras Mean Time.

End of eclipse at 6 8 "

The last contact will occur at about 36° from north point of the limb towards the east.

II.—April 12th, Sunday.—A partial eclipse of the moon, visible in India.

For Madras.

First contact with the shadow..... 3 55 Morn.

Middle of the eclipse..... 5 34 "

The sun rises..... 5 50 "

The moon sets eclipsed..... 3 55 "

Last contact with the shadow..... 7 13 "

Magnitude (moon's diameter = 1) 0.97.

The first contact with the shadow occurs at 135° from the north point of moon's limb towards the east and the last contact, at 255° towards the east.

III.—September 21st, Monday.—A total eclipse of the sun, invisible in India. The middle of the eclipse passes between Africa at Mozambique and Madagascar and enters into the Southern Ocean.

IV.—October 6th, Tuesday.—A partial eclipse of the moon, visible in India.

	A. M.	P. M.
First contact with the shadow	7 2	After.
Middle of the eclipse	8 39	"
Last contact with the shadow	10 13	"

Magnitude (moon's diameter = 1) 0.87.

The first contact with the shadow occurs at 41° from the north point of the moon's limb towards the east. The last contact, at 295° towards the east.

GOVERNMENT HOLIDAYS.

In their Notification, G. O., No. 917, dated 16th September 1902, the Government direct that no holidays be granted at any of their Offices which are not entered in the following list. But this does not interfere with the holiday on the last Saturday in the month, granted in some offices:—

GENERAL.		HINDUS.	
		GENERAL TO HINDUS.	
Christmas with New Year's Day	6 days.	Lunar Eclipse	1 day.
Easter	2 "	Mukoti Mandasi or Valkunta	1 "
King's Birthday	1 day.	Ekadasi	1 "
Arani Avattam	1 "	Sri Jayanti	1 "
Dussehra	1 "		
Dipavali	1 "	VAISHNAVA SECT.	
The last Saturday (Presidency)	1 "	Triplicane Feast in April	1 day.
The 3rd Saturday (Mofussil)	1 "	SAIVA SECT.	
Pongul*	2 days.	Maha Siva Ratri	1 day.
Mahavasya Annivasi	1 day.	TELUGU.	
		TAMIL.	
		MAHOMEDANS.	
		Baker Id	2 days.
		Moharram	4 "
		Shah-a-Parat	1 day.
		Ramzan	2 days.

* Inclusive of the General Holiday.

* When between 6 A.M. and 6 P.M.

PUBLIC HOLIDAYS IN INDIA.

In supersession of previous orders on the subject, His Excellency the Governor in Council resolves to prescribe the following rules relating to the observance of holidays in public offices including holidays notified under the Negotiable Instruments Act:—(1) All public offices will be closed on days notified as holidays under the Negotiable Instruments Act. (2) The grant of every holiday is subject to the condition that arrangements will be made for the despatch of urgent business. (3) A Government servant who is called on to attend office on a holiday, except as a punishment, should be granted another day in its place when opportunity offers. If possible, a Government servant of the religious persuasion which observes a holiday should not be called upon to work on that day. (4) The closing of public offices in the Presidency town, in the case of holidays which are not notified under the Negotiable Instruments Act, will be subject to the condition that the Sea Customs office and the Reserve and the Currency departments of the Accountant-General's office shall remain open for the transaction of commercial business. In the General Stamp office the rule will be that, except when more than two holidays under the Negotiable Instruments Act occur consecutively, the office shall never be wholly closed for more than two consecutive days. Whenever, therefore, a holiday not notified under the Negotiable Instruments Act precedes or follows or falls between two or more holidays under that Act, including Sundays, the Stamp office will be opened on that day from 11 A.M. to 1 P.M. In the case of the two gazetted office holidays at Christmas which are both preceded and followed by holidays under the Negotiable Instruments Act the effect of this rule will be that the Stamp office will be opened from 11 A.M. to 1 P.M. on each of those two days. (5) The Christmas holidays will extend from

the 24th December (or from the 23rd, if the 24th is a Sunday) to the 1st January (or to the 2nd, if the 1st is a Sunday). Of these days, the 24th December and the 1st January are already holidays under the Negotiable Instruments Act. The remaining days to be notified under the Act will be the 25th, the 27th, the 30th and the 31st December. (6) The Easter holidays will extend from Good Friday to Easter Monday. Good Friday is already a holiday under the Negotiable Instruments Act and the Saturday before Easter and Easter Monday will in future be notified as holidays under the Act. (7) Wait Monday and the Tuesday following will no longer be holidays in public offices or under the Negotiable Instruments Act. (8) The day to be notified as a holiday under the Act in honour of the birthday of His Majesty the King will be fixed each year by the Government of India.

A statement of the holidays to be observed in public offices and to be notified under the Negotiable Instruments Act will be found on page 4. All heads of offices will be authorised to grant, in addition, two half-holidays in the year either for the whole of their establishments or for particular sects. The grant of other holidays or half-holidays without the permission of Government is prohibited.

MADRAS COMMERCIAL HOLIDAYS, 1903.

The following are holidays under the Negotiable Instruments Act for this year:—

New Year's day—1 day, Thursday, January 1st.	Mahavasya Annivasi—1 day, Monday, September 21st.
Pongul—1 day, Wednesday, January 14th.	Ayaz-e-Paj—1 day, Tuesday, September 29th.
Easter—3 days, Friday, April 10th to Monday April 13th, both days inclusive.	Dussehra—1 day, Monday, October 19th.
King's Birthday—1 day, (To be fixed by Government of India.)	Christmas—3 days, Friday, December 26th, Saturday 27th, Tuesday 29th, Wednesday 30th and Thursday 31st.
Arani Avattam—1 day, Saturday, August 18th.	

PLANETARY PHENOMENA, 1903.

MERCURY will be an evening star until February 2nd, a morning star till April 12th, an evening star till June 2nd, a morning star till July 26th, an evening star till October 3rd, a morning star till November 21st, and an evening star for the rest of the year. It revolves around the sun in nearly three months. It is globular when its illuminated portion lies between its semi-circle and its circle. When the sun is between the earth and Mercury, it appears perfectly round but very small; but when in the opposite portion of its orbit, it forms a slender and brilliant crescent.

VENUS will appear to us as an attendant upon the sun and never more than about 27° from the sun. It revolves round the sun in nearly seven and a half months, and is regarded as the most beautiful of the planets and the second in order of distance from the sun. It is well named in good times as the morning and evening star. It is an evening star until September 17th, and a morning star for the rest of the year. It is in aphelion on January 28th, and August 21st, in perihelion on April 30th and December 11th, at greatest elongation on July 18th and stationary on August 25th.

MARS will be the next to the earth in order of distance from the sun. It revolves around the sun in nearly two years. It is well distinguished from other planets by its deep red colour and fleecy aspect. It is a morning star until March 25th and an evening star for the rest of the year. It is in aphelion on January 13th, stationary on February 19th and May 11th, in opposition to the sun on March 24th, in quadrature to the sun on July 7th, in conjunction with Venus on October 24th, in conjunction with Saturn on December 21st and in aphelion on December 22nd. In 1877, two satellites were discovered to be in attendance on it by Professor Hall at Washington Observatory. They require a large and powerful telescope to be seen.

JUPITER is distinguished from other planets by its great magnitude. It revolves around the sun in nearly twelve years. It will be an evening star until February 19th, a morning star till September 7, and an evening star for the rest of the year. It will be in conjunction with the sun on February 19th, in quadrature to the sun on June 14th and December 8th, stationary on July 16th and November 10th, and in opposition to the sun on September 12th. Four satellites are attending on him. Of these, three are eclipsed in every revolution but the fourth escapes eclipse for a long time. The fifth was discovered by Professor Barnard in 1892. Several parallel stripes are arranged across Jupiter's disc, called belts. For belts and phenomena, see page 6.

SATURN is next in size to Jupiter. It is attended by eight satellites and has likewise belts on its surface. But a still more wonderful appearance is the ring, a broad wheel encompassing it at a great distance from it. Saturn's ring is found to consist of two concentric rings, separated by a dark space. Saturn will be an evening star until January 24th, a morning star till September 24th, and an evening star for the rest of the year. It will be in conjunction with the sun on January 21st, in quadrature to the sun on April 30th and on October 27th, and stationary on May 21st and October 8th with an apparent diameter of $16''$ and $17''$ respectively. For satellites see page 67.

A TABLE OF THE NUMBER OF DAYS FROM ANY DAY IN ONE MONTH TO THE SAME IN ANY OTHER MONTH IN ORDINARY YEARS.

	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
January	...	365	31	59	90	120	151	181	212	243	273	304
February	...	334	365	38	51	89	120	150	181	212	242	273
March	...	306	337	365	31	61	92	122	153	184	214	245
April	...	275	303	334	365	30	61	91	122	153	183	214
May	...	245	276	304	335	365	31	61	92	123	154	214
June	...	214	245	273	304	334	365	30	61	92	123	153
July	...	184	215	243	274	304	335	365	31	62	93	153
August	...	153	184	212	243	273	304	334	365	31	61	92
September	...	122	153	181	212	242	273	303	334	365	30	61
October	...	92	123	151	182	212	243	273	304	335	31	61
November	...	61	92	120	151	181	212	242	273	304	334	30
December	...	31	62	90	121	151	182	212	243	274	304	335

ORIENTAL NAMES OF THE WEEK-DAYS.

English.	Gujarati.	Marathi.	Canarese.	Hindustani.
Sunday.	Raviwar or Aditwar.	Raviwar or Aditwar.	Adityavara.	Aik-shambah.
Monday.	Somwar.	Somwar.	Somavara.	Thow-shumbah.
Tuesday.	Mangalwar.	Mangalwar.	Mangalavara.	Say-shumbah.
Wednesday.	Budhwar.	Budhwar.	Budhavara.	Chahar-shumbah.
Thursday.	Erihaspatwar or Guruwar.	Guruwar or Brihas- patiwar.	Guravara.	Panj-shumbah.
Friday.	Shukrawar.	Shukrawar.	Shukravara.	Jumrah.
Saturday.	Shaniwar.	Shaniwarer Mandwar.	Shanivara.	Shumbah.

ORIENTAL NAMES OF THE MONTHS.

Marathi.	Tamil.	Bengali.	Urdu.	Gujarati.	Hindustani.
Chaitra.*	Chittari.	Baishakh.	Chait.	Chaitra.*	Ramzan-ul-muharrak *
Vaishakh.	Vaijasi.	Jyesth.	Byshakh.	Vaishakh or Vaisak.	Sha'val-ul-mukaram.
Jyesth.	Ani.	Asarh.	Jeth.	Jeth.	Zikayada.
Ashadha.	Adi.	Shrabon.	Asarh.	Ashad or Asad.	Zil-haj.
Shravan.	Avani.	Ehadra.	Sawan.	Shrawan.	Mubarram.
Bhadrapad.	Perattasi.	Ashwin.	Bhadun.	Bhadarwo.	Safar.
Ashwin.	Alpesi.	Kartik.	Asan.	Ashwan, Asho, or Ashwin.	Rubbi-ul-awal.
Kartik.†	Kartikai.	Agrahayan or Margashirsha.	Kartik.	Kartik or Kartak.	Rubbi-ul-akhbar.
Margashirsh.	Margali.	Paush.	Aghon.	Margashar or Margashirsh.	Jemadi-ul-awal.
Paush.	Tai.	Magh.	Pus.	Paush.	Jemadi-ul-akhbar.
Magh.	Masi.	Phalgun.	Magh.	Magh or Maha.	Rajab-ul-murajjab
Phalgun.	Panguni.	Chaitra.	Phagan.	Phagan.	Shaban-ul-muzam.

* According to the Shaka year.

† Samvat commences with Kartik Shuddha 1st, or Partipada.

A TABLE OF DOMINICAL LETTERS FOR 6,000 YEARS OF THE CHRISTIAN ERA, NEW STYLE.

	100	200	300	400	
	500	600	700	800	
	900	1000	1100	1200	
	1300	1400	1500	1600	The dominical letter for any year
	1700	1800	1900	2000	of the first century is found in the
	2100	2200	2300	2400	column of letters under 100, oppo-
	2500	2600	2700	2800	site to the year. For a year in any
	2900	3000	3100	3200	century after the first, find the
	3300	3400	3500	3600	century preceding the year at the
	3700	3800	3900	4000	top: under this, and opposite to the
	4100	4200	4300	4400	year of the century, in the column
	4500	4600	4700	4800	for years less than 100, is the domi-
	4900	5000	5100	5200	nical letter sought.
	5300	5400	5500	5600	
	5700	5800	5900	6000	
Years less than 100.	C	B	G	B A	EXAMPLES.
1 29 57 85	B	D	F	G	
2 30 58 86	A	C	E	F	Under 1800, opposite to 31 in the
3 31 59 87	G	B	D	E	left hand column, is B, the domini-
4 32 60 88	F E	A G	C B	D C	cal letter for 1831.
5 33 61 89	D	F	A	B	
6 34 62 90	C	E	G	A	(2) Under 1800 opposite to 99 in
7 35 63 91	B	D	F	G	the left hand column, is A, the
8 36 64 92	A G	C B	E D	F E	dominical letter for 1899.
9 37 65 93	F	A	C	D	
10 38 66 94	E	G	B	C	(3) Under 1900 opposite to 2 in
11 39 67 95	D	F	A	B	the left hand column, is E, the
12 40 68 96	C B	E D	G F	A G	dominical letter for 1902.
13 41 69 97	A	C	E	F	
14 42 70 98	G	B	D	E	
15 43 71 99	F	A	C	D	
16 44 72 ...	E D	G F	B A	C B	
17 45 73 ...	C	E	G	A	
18 46 74 ...	B	D	F	G	
19 47 75 ...	A	C	E	F	
20 48 76 ...	G F	B A	D C	E D	
21 49 77 ...	E	G	B	C	
22 50 78 ...	D	F	A	B	
23 51 79 ...	C	E	G	A	
24 52 80 ...	B A	D C	F E	G F	
25 53 81 ...	G	B	D	E	
26 54 82 ...	F	A	C	D	
27 55 83 ...	E	G	B	C	
28 56 84 ...	D C	F E	A G	B A	

THE DOMINICAL LETTER BEING KNOWN, IT IS EASY TO FIND THE DAY OF THE WEEK ON WHICH ANY MONTH BEGINS, BY THE FOLLOWING TABLE,

A	B	C	D	E	F	G
January.	May.	August.	February.	June.	September.	April.
October.	...	...	March.	...	December.	July.
...	...	...	November.	...	...	...

A Table showing at what days of the months the Letters formerly stood, and where the Dominical Letters now stand.

D. Letters.	A	B	C	D	E	F	G
January 31	1	2	3	4	5	6	7
October 31	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
February 29-29	5	6	7	8	9	10	11
March 31	12	13	14	15	16	17	18
November 30	19	20	21	22	23	24	25
	26	27	28	29	30	31	
April 30	2	3	4	5	6	7	8
July 31	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
August 31	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		
September 30	3	4	5	6	7	8	9
December 31	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
May 31	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			
June 30	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	...

The following couplet is designed to assist the memory:—

*All days decline; great blessings end;
Good Christians find a during friend.*

The first letters of these twelve words are the same as those at the beginning of each month.

If the letter set at the first day of a month be before or after the dominical letter in any year, the day on which the month begins is before or after the Lord's day, and in as far distant as the commencing letter is distant from the dominical letter.

Thus if A be the dominical letter, January begins on the Sabbath; February and March on Wednesday.

If B be the dominical letter, January begins on Saturday, February and March on Tuesday.

CHRONOLOGICAL NOTES AND MOVEABLE FESTIVALS FOR THE TWENTIETH CENTURY.

Year	Golden Number	Epact	Solar Cycle	Dominical Letter	Roman Index	Juban Period	Sundays after Epiphany	Septuagesima Sunday	Ash Wednesday	Easter Day	Ascension Day	White Sunday	Trinity Sunday	Sundays after Trinity	Corpus Christi	Advent Sunday
A. D. 1900	1	29	6	G	13	6013	9	Feb. 11	Feb. 28	April 16	May 29	June 24	June 10	24	June 14	Dec. 31
1	2	10	7	F	14	74	10	Feb. 12	Feb. 29	April 17	May 30	June 25	June 11	25	June 15	Dec. 30
2	3	21	8	E	15	15	11	Feb. 13	Feb. 30	April 18	May 31	June 26	June 12	26	June 16	Dec. 29
3	4	2	9	D	16	30	12	Feb. 14	Mar. 1	April 19	June 1	June 27	June 13	27	June 17	Dec. 28
4	5	13	10	C	17	45	13	Feb. 15	Mar. 2	April 20	June 2	June 28	June 14	28	June 18	Dec. 27
5	6	24	11	B	18	60	14	Feb. 16	Mar. 3	April 21	June 3	June 29	June 15	29	June 19	Dec. 26
6	7	8	12	A	19	15	15	Feb. 17	Mar. 4	April 22	June 4	June 30	June 16	30	June 20	Dec. 25
7	8	19	13	G	20	30	16	Feb. 18	Mar. 5	April 23	June 5	June 31	June 17	31	June 21	Dec. 24
8	9	27	14	F	21	45	17	Feb. 19	Mar. 6	April 24	June 6	July 1	June 18	1	June 22	Dec. 23
9	10	8	15	E	22	60	18	Feb. 20	Mar. 7	April 25	June 7	July 2	June 19	2	June 23	Dec. 22
10	11	18	16	D	23	15	19	Feb. 21	Mar. 8	April 26	June 8	July 3	June 20	3	June 24	Dec. 21
11	12	29	17	C	24	30	20	Feb. 22	Mar. 9	April 27	June 9	July 4	June 21	4	June 25	Dec. 20
12	13	10	18	B	25	45	21	Feb. 23	Mar. 10	April 28	June 10	July 5	June 22	5	June 26	Dec. 19
13	14	21	19	A	26	60	22	Feb. 24	Mar. 11	April 29	June 11	July 6	June 23	6	June 27	Dec. 18
14	15	2	20	G	27	15	23	Feb. 25	Mar. 12	April 30	June 12	July 7	June 24	7	June 28	Dec. 17
15	16	13	21	F	28	30	24	Feb. 26	Mar. 13	May 1	June 13	July 8	June 25	8	June 29	Dec. 16
16	17	24	22	E	29	45	25	Feb. 27	Mar. 14	May 2	June 14	July 9	June 26	9	June 30	Dec. 15
17	18	5	23	D	30	60	26	Feb. 28	Mar. 15	May 3	June 15	July 10	June 27	10	July 1	Dec. 14
18	19	16	24	C	31	15	27	Feb. 29	Mar. 16	May 4	June 16	July 11	June 28	11	July 2	Dec. 13
19	20	27	25	B		30	28	Feb. 30	Mar. 17	May 5	June 17	July 12	June 29	12	July 3	Dec. 12
20	21	8	26	A		45	29	Mar. 1	Mar. 18	May 6	June 18	July 13	July 1	13	July 4	Dec. 11
21	22	19	27	G		60	30	Mar. 2	Mar. 19	May 7	June 19	July 14	July 2	14	July 5	Dec. 10
22	23	2	28	F		15	31	Mar. 3	Mar. 20	May 8	June 20	July 15	July 3	15	July 6	Dec. 9
23	24	13	29	E		30	32	Mar. 4	Mar. 21	May 9	June 21	July 16	July 4	16	July 7	Dec. 8
24	25	24	30	D		45	33	Mar. 5	Mar. 22	May 10	June 22	July 17	July 5	17	July 8	Dec. 7
25	26	5	31	C		60	34	Mar. 6	Mar. 23	May 11	June 23	July 18	July 6	18	July 9	Dec. 6
26	27	16		B		15	35	Mar. 7	Mar. 24	May 12	June 24	July 19	July 7	19	July 10	Dec. 5
27	28	27		A		30	36	Mar. 8	Mar. 25	May 13	June 25	July 20	July 8	20	July 11	Dec. 4
28	29	8		G		45	37	Mar. 9	Mar. 26	May 14	June 26	July 21	July 9	21	July 12	Dec. 3
29	30	19		F		60	38	Mar. 10	Mar. 27	May 15	June 27	July 22	July 10	22	July 13	Dec. 2
30	31	2		E		15	39	Mar. 11	Mar. 28	May 16	June 28	July 23	July 11	23	July 14	Dec. 1
...	...	13		D		30	40	Mar. 12	Mar. 29	May 17	June 29	July 24	July 12	24	July 15	...

CHRONOLOGICAL NOTES AND MOVEABLE FESTIVALS FOR THE TWENTIETH CENTURY

contd.

Year.	Golden Number.	EPOCH.	Solar Cycle.	Dominical Let.	Lunar Index.	Julian Period.	Sundays after Epiphany.	Septagesima Sunday.	Ash Wednesday.	Quinquagesima Day.	Trinity Sunday.	Sundays after Trinity Sunday.	Corpus Christi.	Advent Sunday.
1894	8	15	4	C	9	6699	5	Jan. 13	Feb. 17	May 13	May 23	25	June 16	Nov. 29
95	9	16	5	D	10	40	6	Jan. 22	Mar. 22	May 22	June 1	26	June 23	Dec. 7
96	10	17	6	E	11	41	7	Jan. 30	Mar. 30	June 1	June 10	27	June 30	Dec. 15
97	11	18	7	F	12	42	8	Feb. 6	Mar. 6	June 8	June 18	28	July 7	Nov. 23
98	12	19	8	G	13	43	9	Feb. 14	Mar. 14	June 16	June 26	29	July 15	Nov. 30
99	13	20	9	H	14	44	10	Feb. 22	Mar. 22	June 24	July 4	30	July 23	Dec. 7
1900	14	21	10	A	15	45	11	Feb. 29	Mar. 29	June 31	Aug. 1	31	Aug. 24	Dec. 14
01	15	22	11	B	16	46	12	Mar. 7	Apr. 6	July 8	July 18	32	Sept. 1	Nov. 21
02	16	23	12	C	17	47	13	Mar. 15	Apr. 14	July 16	Aug. 5	33	Sept. 9	Nov. 29
03	17	24	13	D	18	48	14	Mar. 23	Apr. 22	July 24	Aug. 13	34	Sept. 17	Dec. 7
04	18	25	14	E	19	49	15	Mar. 31	Apr. 30	Aug. 1	Aug. 11	35	Sept. 25	Dec. 15
05	19	26	15	F	20	50	16	Apr. 7	Apr. 6	Aug. 9	Aug. 19	36	Oct. 3	Dec. 23
06	20	27	16	G	21	51	17	Apr. 15	Apr. 14	Aug. 17	Sept. 6	37	Oct. 11	Dec. 31
07	21	28	17	H	22	52	18	Apr. 23	Apr. 22	Aug. 25	Sept. 14	38	Oct. 19	Jan. 8
08	22	29	18	A	23	53	19	Apr. 30	Apr. 29	Aug. 31	Sept. 21	39	Oct. 27	Jan. 16
09	23	30	19	B	24	54	20	May 7	May 6	Sept. 7	Sept. 28	40	Nov. 4	Jan. 24
10	24	31	20	C	25	55	21	May 15	May 14	Sept. 15	Oct. 5	41	Nov. 12	Feb. 1
11	25	32	21	D	26	56	22	May 23	May 22	Sept. 23	Oct. 13	42	Nov. 20	Feb. 9
12	26	33	22	E	27	57	23	May 31	May 30	Sept. 31	Oct. 21	43	Nov. 28	Feb. 17
13	27	34	23	F	28	58	24	June 7	June 6	Oct. 7	Oct. 29	44	Dec. 6	Feb. 25
14	28	35	24	G	29	59	25	June 15	June 14	Oct. 15	Nov. 4	45	Dec. 14	Mar. 5
15	29	36	25	H	30	60	26	June 23	June 22	Oct. 23	Nov. 12	46	Dec. 22	Mar. 13
16	30	37	26	A	31	61	27	June 30	June 29	Oct. 31	Nov. 20	47	Dec. 30	Mar. 21
17	31	38	27	B	32	62	28	July 7	July 6	Nov. 7	Dec. 18	48	Jan. 7	Mar. 29
18	32	39	28	C	33	63	29	July 15	July 14	Nov. 15	Dec. 26	49	Jan. 15	Apr. 6
19	33	40	29	D	34	64	30	July 23	July 22	Nov. 23	Jan. 3	50	Jan. 23	Apr. 14
20	34	41	30	E	35	65	31	July 31	July 30	Nov. 31	Jan. 11	51	Jan. 31	Apr. 22
21	35	42	31	F	36	66	32	Aug. 7	Aug. 6	Dec. 7	Jan. 19	52	Feb. 8	Apr. 30
22	36	43	32	G	37	67	33	Aug. 15	Aug. 14	Dec. 15	Jan. 27	53	Feb. 16	May 8
23	37	44	33	H	38	68	34	Aug. 23	Aug. 22	Dec. 23	Feb. 4	54	Feb. 24	May 16
24	38	45	34	A	39	69	35	Aug. 31	Aug. 30	Dec. 31	Feb. 12	55	Mar. 4	May 24
25	39	46	35	B	40	70	36	Sept. 7	Sept. 6	Jan. 7	Feb. 20	56	Mar. 12	May 31
26	40	47	36	C	41	71	37	Sept. 15	Sept. 14	Jan. 15	Mar. 1	57	Mar. 20	Jun. 8
27	41	48	37	D	42	72	38	Sept. 23	Sept. 22	Jan. 23	Mar. 9	58	Mar. 28	Jun. 16
28	42	49	38	E	43	73	39	Sept. 30	Sept. 29	Jan. 31	Mar. 17	59	Mar. 27	Jun. 24
29	43	50	39	F	44	74	40	Oct. 7	Oct. 6	Feb. 7	Mar. 25	60	Apr. 5	Jul. 2
30	44	51	40	G	45	75	41	Oct. 15	Oct. 14	Feb. 15	Apr. 2	61	Apr. 13	Jul. 10
31	45	52	41	H	46	76	42	Oct. 23	Oct. 22	Feb. 23	Apr. 11	62	Apr. 21	Jul. 18
32	46	53	42	A	47	77	43	Oct. 31	Oct. 30	Feb. 31	Apr. 19	63	Apr. 29	Jul. 26
33	47	54	43	B	48	78	44	Nov. 7	Nov. 6	Mar. 7	May 7	64	May 6	Aug. 3
34	48	55	44	C	49	79	45	Nov. 15	Nov. 14	Mar. 15	May 15	65	May 14	Aug. 11
35	49	56	45	D	50	80	46	Nov. 23	Nov. 22	Mar. 23	May 23	66	May 22	Aug. 19
36	50	57	46	E	51	81	47	Nov. 30	Nov. 29	Mar. 31	June 1	67	June 1	Aug. 27
37	51	58	47	F	52	82	48	Dec. 7	Dec. 6	Apr. 7	June 9	68	June 9	Sept. 4
38	52	59	48	G	53	83	49	Dec. 15	Dec. 14	Apr. 15	June 17	69	June 17	Sept. 12
39	53	60	49	H	54	84	50	Dec. 23	Dec. 22	Apr. 23	June 25	70	June 25	Sept. 20
40	54	61	50	A	55	85	51	Dec. 31	Dec. 30	Apr. 31	July 3	71	July 3	Sept. 28
41	55	62	51	B	56	86	52	Jan. 7	Jan. 6	May 7	July 11	72	July 11	Oct. 6
42	56	63	52	C	57	87	53	Jan. 15	Jan. 14	May 15	July 19	73	July 19	Oct. 14
43	57	64	53	D	58	88	54	Jan. 23	Jan. 22	May 23	July 27	74	July 27	Oct. 22
44	58	65	54	E	59	89	55	Jan. 31	Jan. 30	May 31	Aug. 4	75	Aug. 4	Oct. 30
45	59	66	55	F	60	90	56	Feb. 7	Feb. 6	June 7	Aug. 12	76	Aug. 12	Nov. 7
46	60	67	56	G	61	91	57	Feb. 15	Feb. 14	June 15	Aug. 20	77	Aug. 20	Nov. 15
47	61	68	57	H	62	92	58	Feb. 23	Feb. 22	June 23	Aug. 28	78	Aug. 28	Nov. 23
48	62	69	58	A	63	93	59	Feb. 31	Feb. 30	June 31	Sept. 5	79	Sept. 5	Nov. 31
49	63	70	59	B	64	94	60	Mar. 7	Mar. 6	July 7	Sept. 13	80	Sept. 13	Dec. 9
50	64	71	60	C	65	95	61	Mar. 15	Mar. 14	July 15	Sept. 21	81	Sept. 21	Dec. 17
51	65	72	61	D	66	96	62	Mar. 23	Mar. 22	July 23	Sept. 29	82	Sept. 29	Dec. 25
52	66	73	62	E	67	97	63	Mar. 31	Mar. 30	July 31	Oct. 6	83	Oct. 6	Jan. 2
53	67	74	63	F	68	98	64	Apr. 7	Apr. 6	Aug. 7	Oct. 14	84	Oct. 14	Jan. 10
54	68	75	64	G	69	99	65	Apr. 15	Apr. 14	Aug. 15	Oct. 22	85	Oct. 22	Jan. 18
55	69	76	65	H	70	100	66	Apr. 23	Apr. 22	Aug. 23	Oct. 30	86	Oct. 30	Jan. 26
56	70	77	66	A	71	101	67	Apr. 30	Apr. 29	Aug. 31	Nov. 7	87	Nov. 7	Feb. 3
57	71	78	67	B	72	102	68	May 7	May 6	Sept. 7	Nov. 15	88	Nov. 15	Feb. 11
58	72	79	68	C	73	103	69	May 15	May 14	Sept. 15	Nov. 23	89	Nov. 23	Feb. 19
59	73	80	69	D	74	104	70	May 23	May 22	Sept. 23	Dec. 1	90	Dec. 1	Feb. 27
60	74	81	70	E	75	105	71	May 31	May 30	Sept. 31	Dec. 9	91	Dec. 9	Mar. 6
61	75	82	71	F	76	106	72	June 7	June 6	Oct. 7	Dec. 17	92	Dec. 17	Mar. 14
62	76	83	72	G	77	107	73	June 15	June 14	Oct. 15	Dec. 25	93	Dec. 25	Mar. 22
63	77	84	73	H	78	108	74	June 23	June 22	Oct. 23	Jan. 2	94	Jan. 2	Mar. 30
64	78	85	74	A	79	109	75	June 30	June 29	Oct. 31	Jan. 10	95	Jan. 10	Mar. 38
65	79	86	75	B	80	110	76	July 7	July 6	Nov. 7	Jan. 18	96	Jan. 18	Apr. 5
66	80	87	76	C	81	111	77	July 15	July 14	Nov. 15	Jan. 26	97	Jan. 26	Apr. 13
67	81	88	77	D	82	112	78	July 23	July 22	Nov. 23	Feb. 3	98	Feb. 3	Apr. 21
68	82	89	78	E	83	113	79	July 31	July 30	Nov. 31	Feb. 11	99	Feb. 11	Apr. 29
69	83	90	79	F	84	114	80	Aug. 7	Aug. 6	Dec. 7	Feb. 19	100	Feb. 19	May 7
70	84	91	80	G	85	115	81	Aug. 15	Aug. 14	Dec. 15	Feb. 27	101	Feb. 27	May 15
71	85	92	81	H	86	116	82	Aug. 23	Aug. 22	Dec. 23	Mar. 6	102	Mar. 6	May 23
72	86	93	82	A	87	117	83	Aug. 31	Aug. 30	Dec. 31	Mar. 14	103	Mar. 14	May 31
73	87	94	83	B	88	118	84	Sept. 7	Sept. 6	Jan. 7	Mar. 22	104	Mar. 22	Jun. 8
74	88	95	84	C	89	119	85	Sept. 15	Sept. 14	Jan. 15	Mar. 30	105	Mar. 30	Jun. 16
75	89	96	85	D	90	120	86	Sept. 23	Sept. 22	Jan. 23	Apr. 7	106	Apr. 7	Jun. 24
76	90	97	86	E	91	121	87	Sept. 30	Sept. 29	Jan. 31	Apr. 15	107	Apr. 15	Jul. 2
77	91	98	87	F	92	122	88	Oct. 7	Oct. 6	Feb. 7	Apr. 23	108	Apr. 23	Jul. 10
78	92	99	88	G	93	123	89	Oct. 15	Oct. 14	Feb. 15	May 1	109	May 1	Jul. 18
79	93	100	89	H	94	124	90	Oct. 23	Oct. 22	Feb. 23	May 9	110	May 9	Jul. 26
80	94	101	90	A	95	125	91	Oct. 31	Oct. 30	Feb. 31	May 17	111	May 17	Aug. 3
81	95	102	91	B	96	126	92	Nov. 7	Nov. 6	Mar. 7	May 25	112	May 25	Aug. 11
82	96	103	92	C	97	127	93	Nov. 15	Nov. 14	Mar. 15	June 2	113	June 2	Aug. 19
83	97	104	93	D	98	128	94	Nov. 23	Nov. 22	Mar. 23	June 10	114	June 10	Aug. 27
84	98	105	94	E	99	129	95	Nov. 30	Nov. 29	Mar. 31	June 18	115	June 18	Sept. 4
85	99	106	95	F	100	130	96	Dec. 7	Dec. 6	Apr. 7	June 26	116	June 26	Sept. 12
86	100	107	96	G	101	131	97	Dec. 15	Dec. 14	Apr. 15	July 4	117	July 4	Sept. 20
87	101	108	97	H	102	132	98	Dec. 23	Dec. 22	Apr. 23	July 12	118	July 12	Sept. 28
88	102	109	98	A	103	133	99	Dec. 31	Dec. 30	Apr. 31	July 20	119	July 20	Oct. 6
89	103	110	99	B	104	134	100	Jan. 7	Jan. 6	May 7	July 28	120	July 28	Oct. 14
90	104	111	100	C	105	135	101	Jan. 15	Jan. 14	May 15	Aug. 5	121	Aug	

CHRONOLOGICAL NOTES AND MOVEABLE FESTIVALS FOR THE TWENTIETH CENTURY.

Year.	Golden Number.	Epact.	Solar Cycle.	Dominical Let.	Roman Indiction.	Julian Period.	Sundays after Epiphany.	Septuagesima Sunday.	Ascension Day.	White Sunday.	Trinity Sunday.	Sundays after Trinity.	Corpus Christi.	Advent Sunday.
1986	11	19	7	D	6	6599	Jan. 26	Feb. 12	May 8	May 13	May 18	May 23	May 28	Nov. 30
87	12	20	8	O	7	6700	Jan. 15	Feb. 1	" 12	May 2	May 7	May 12	May 17	" 29
88	13	11	9	A	8	6801	Jan. 4	Feb. 20	" 24	May 19	May 24	May 29	May 31	" 18
89	14	22	10	G	9	6902	Jan. 24	Feb. 10	" 14	May 9	May 14	May 19	May 24	" 27
90	15	3	11	B	10	7003	Jan. 13	Feb. 28	" 3	May 28	May 31	June 5	June 10	" 22
91	16	14	12	F	11	7104	Jan. 2	Feb. 17	" 21	May 17	May 20	May 25	May 30	" 11
92	17	25	13	E	12	7205	Jan. 21	Feb. 6	" 10	May 6	May 9	May 14	May 19	" 29
93	18	6	14	C	13	7306	Jan. 10	Feb. 25	" 25	May 25	May 28	June 2	June 7	" 19
94	19	17	15	B	14	7407	Jan. 30	Feb. 14	" 18	May 14	May 17	May 22	May 27	" 8
95	20	28	16	A	15	7508	Jan. 19	Feb. 4	" 22	May 3	May 6	May 11	May 16	" 27
96	21	9	17	G	16	7609	Jan. 8	Feb. 23	" 27	May 22	May 25	May 30	June 4	" 15
97	22	20	18	E	17	7710	Jan. 27	Feb. 11	" 10	May 11	May 14	May 19	May 24	" 5
98	23	3	19	D	18	7811	Jan. 16	Feb. 3	" 17	May 31	June 3	June 8	June 13	" 24
99	24	14	20	C	19	7912	Jan. 5	Feb. 20	" 21	June 1	June 4	June 9	June 14	" 25
2000	6	24	21	B	20	8013	Jan. 24	Feb. 9	" 28	June 11	June 14	June 19	June 24	" 5

A SECULAR DIARY OF THE 20TH CENTURY.

Years.	Jan. 31	Feb. 28	Mar. 31	Apr. 30	May 31	June 30	July 31	Aug. 31	Sep. 30	Oct. 31	Nov. 30	Dec. 31	Years.										
1901	7	18	29	35	46	2	5	5	1	3	6	1	4	7	1907	63	74	85	91	...			
2	13	19	30	41	47	8	6	6	2	4	7	2	5	1	3	69	76	86	97	...			
3	14	25	31	42	...	4	7	7	3	5	1	3	6	2	4	7	2	53	59	70	81	87	98
4	11	22	33	39	...	7	3	3	6	1	4	6	2	5	7	2	5	60	61	67	78	89	95
5	17	23	34	45	1900	1	4	4	7	2	5	2	5	6	1	4	6	61	62	73	79	90	...
6	15	26	37	43	...	5	1	1	4	6	2	4	7	3	5	1	3	54	65	71	82	93	99
7	10	21	27	39	49	...	6	2	5	7	3	5	1	4	6	2	4	55	66	77	83	94	...
Leap Years.	31	29	31	30	31	30	31	31	30	31	30	31	Leap Years.										
1904	32	...	...	...	...	...	...	...	...	...	...	...	1908	...									
8	36	...	...	...	...	...	...	...	...	...	...	...	1912	...									
12	40	...	...	...	...	...	...	...	...	...	...	...	1916	...									
16	44	...	...	...	...	...	...	...	...	...	...	...	1920	...									
20	48	...	...	...	...	...	...	...	...	...	...	...	1924	...									
24	...	...	...	...	...	...	...	...	...	...	...	...	1928	...									
28	...	...	...	...	...	...	...	...	...	...	...	...	1932	...									

Date.	1	2	3	4	5	6	7								
1	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.								
2	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.								
3	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.								
4	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.								
5	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.								
6	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.								
7	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.								
8	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.								
9	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.								
10	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.								
11	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.								
12	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.								
13	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.								
14	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.								
15	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.								
16	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.								
17	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.								
18	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.								
19	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.								
20	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.								
21	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.								
22	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.								
23	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.								
24	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.								
25	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.								
26	Fri.	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.								
27	Sat.	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.								
28	SUN.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.								
29	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.								
30	Tues.	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.								
31	Wed.	Thurs.	Fri.	Sat.	SUN.	Mon.	Tues.								

Explanation.—To ascertain any day in any year of the present Century—first look in the Table of Years for the year required and under the initials are the figures which refer to the corresponding figures at the head of the column of days for the same month.

For Example.—To know what day the 35th October will be in the year 1940, in the Table of "Leap years," you will find the year 1940 and under October the figure 2 which directs you to column 2, in which you will see October 25th to be on Friday.

Explanation.—To ascertain any day in any year of the present century—first look in the Table of years for the year required and under the months are the figures which refer to the corresponding figures at the head of the column of days for the whole month.

For Example.—To know what day the 25th October will be on in the year 1940. In the Table of "Leap years" you will find the year 1940 and under October the figure 2 which directs you to column 2, in which you will see October 25th to be on Friday.

PHASES OF THE MOON.

First Quarter.....	7 3 18 Morn.	Last Quarter.....	20 5 10 After.
Full Moon.....	13 7 38 After.	New Moon.....	28 10 0 After.
Perigee.....	13 3 — Morn.	Apogee.....	26 3 0— Morn.

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	Morn.	After.	After.
1	Thur	18	CIRCUMCISION.—Indian Empire proclaimed, 1877 Coronation Durbar at Delhi opened by Lord Curzon—Inauguration of Australian Commonwealth.	6 24	5 43	7 56	1 51	7 48
2	Fri	19	Calcutta captured, 1757.	6 25	5 43	8 38	2 36	8 36
3	Sat	20		6 25	5 44	9 19	3 21	9 24
4	SUN	21	1st SUNDAY AFTER CIRCUMCISION.	6 26	5 44	10 0	4 5	10 12
5	Mon	22	Capture of Gorrackpore, 1858.	6 26	5 45	10 40	4 50	11 2
6	Tues	23	EPHYPANY. Boer Assault on Ladysmith repulsed by Genl. Sir G. White.	6 26	5 45	11 23	5 36	11 52
7	Wed	24	Cabul Massacre, 1812.	6 26	5 46	After.	6 25	Morn.
8	Thur	25	St. Lucian.	6 27	5 46	0 54	7 17	0 46
9	Fri	26	Napoleon III. died, 1873.	6 27	5 47	1 44	8 12	1 42
10	Sat	27	Field Marshal Lord Roberts assumed command in S. Africa, 1900.	6 27	5 47	2 40	9 10	2 40
11	SUN	28	1st SUNDAY AFTER EPIPHANY.	6 27	5 48	3 39	10 12	3 42
12	Mon	29	Great Fire in Watling Street, 1875.	6 27	5 49	4 42	11 14	4 44
13	Tues	30	St. Hilary.	6 28	5 50	5 46	Morn.	5 45
14	Wed	1	Prince Albert Victor of Wales d., 1892.	6 28	5 51	6 45	6 16	6 45
15	Thur	2	Madras University opened, 1853.	6 28	5 52	7 51	1 15	7 41
16	Fri	3	Battle of Coruña, 1805.	6 28	5 52	8 43	2 13	8 32
17	Sat	4	Battle of Abn Klea, 1835.	6 28	5 53	9 45	3 6	9 21
18	SUN	5	2nd SUNDAY AFTER EPIPHANY.—St. Isaac.	6 28	5 53	10 39	3 37	10 6
19	Mon	6	Isaac D'Israeli died, 1843.	6 28	5 54	11 31	4 45	10 51
20	Tues	7	St. Fabian.	6 29	5 54	Morn.	5 38	11 54
21	Wed	8	St. Agnes.	6 29	5 55	0 31	6 30	After.
22	Thur	9	Queen Victoria died, 1901. King Edward VII. ascended the Throne.	6 29	5 55	1 11	7 7	1 2
23	Fri	10	Proclamation.—St. Vincent.	6 29	5 56	2 0	7 54	1 47
24	Sat	11	Mutiny at Barrackpore, 1857.—Battle of Spion Kop, 1900.	6 29	5 56	2 49	8 41	2 33
25	SUN	12	3rd SUNDAY AFTER EPIPHANY.—Concor.	6 29	5 57	3 37	9 29	3 20
26	Mon	13	Singapore taken, 1819.	6 28	5 57	4 24	10 15	4 8
27	Tues	14	German Emperor born, 1859.	6 28	5 58	5 19	11 3	4 57
28	Wed	15	Battle of Aliwal, 1846.	6 28	5 58	6 54	11 49	6 45
29	Thur	16	Victoria Cross instituted, 1856.	6 28	5 59	6 38	After.	6 34
30	Fri	17	Mangalore re-taken by Tipu, 1784.	6 28	5 59	7 20	1 20	7 22
31	Sat	18	Vellore Mutiny, 1807.	6 28	6 0	8 1	2 4	8 10

PHENOMENA.

Jan. 2	5	After.—Moon in conjunction with Jupiter.	Moon	5 29 N.
4	6	Morn.—Sun in Perigee.		
5	5	After.—Mercury in conjunction with Saturn.	Mercury	1 47 S.
10	5	Morn.—Venus in conjunction with Saturn.	Venus	0 58 S.
18		Morn.—Mercury at greatest elongation.		18 45 E.
19	10	Morn.—Moon in conjunction with Mars.	Moon	3 35 S.
21	2	After.—Saturn in conjunction with the Sun.		
24	8	Morn.—Mercury stationary.		
28	11	Morn.—Moon in conjunction with Saturn.	Moon	5 18 N.
29	5	After.—Moon in conjunction with Mercury.	Moon	1 39 N.
30	10	Morn.—Moon in conjunction with Venus.	Moon	5 50 N.
31	3	Morn.—Venus in conjunction with Jupiter.	Venus	5 50 S.

PHASES OF THE MOON.

First Quarter.....	5 3 34 After.	Last Quarter.....	19 11 46 Morn.
Full Moon.....	12 6 19 Morn.	New Moon.....	27 3 41 After.
Perigee.....	10 6 — After.	Apogee.....	22 6 — After

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	Morn.	After.	After.
1	SUN	19	[State Railway opened, 1881.]	6 28	6 0	8 41	2 48	8 58
2	Mon	20	4th SUNDAY AFTER EPIPHANY.—Mysore.	6 28	6 0	9 24	3 35	9 49
3	Tues	21	Purification of the B. V. Mary, 1830.	6 28	6 1	10 5	4 22	10 40
4	Wed	22	St. Blasius. Marquis of Salisbury born, 1826.	6 28	6 1	10 50	5 11	11 34
5	Thur	23	Capture of Kuzassi, 1874.	6 28	6 1	11 38	6 3	Morn.
6	Fri	24	St. Agatha.—Bishop Corrie died, 1837.	6 27	6 2	After.	6 53	0 29
7	Sat	25	Sir H. Irving born, 1838.	6 27	6 2	1 25	7 56	1 27
8	SUN	26	Charles Dickens born, 1812, died 9th June, 1870.	6 27	6 2	2 24	8 55	2 27
9	Mon	27	SEPTAGESIMA SUNDAY.—1828.	6 27	6 2	3 25	9 36	3 27
10	Tues	28	General Sir Evelyn Wood, v.c., born, 1825.	6 26	6 3	4 27	10 56	4 26
11	Wed	29	Late Queen Victoria married, 1840.	6 26	6 3	5 29	11 34	5 23
12	Thur	1	Thomas A. Edison born, 1847.	6 26	6 3	6 30	Morn.	6 17
13	Fri	2	English Revolution, 1688.	6 25	6 4	7 28	0 50	7 7
14	Sat	3	St. Palmentine. Battle of St. Vincent.	6 25	6 4	8 23	1 43	7 55
15	SUN	4	SEXAGESIMA SUNDAY.—Kimberley, relieved by Sir J. Genl. French, 1900.	6 24	6 4	9 19	2 34	8 42
16	Mon	5	Lindley Murray died, 1836.	6 24	6 5	10 13	3 24	9 27
17	Tues	6	Duchess of Albany, born 1861.	6 24	6 5	11 3	4 13	10 12
18	Wed	7	M. Loubet, elected President of France, 1899.	6 23	6 5	11 54	5 1	10 57
19	Thur	8	Battle of Teker, 1891.	6 23	6 5	Morn.	5 40	11 42
20	Fri	9	Bangalore captured, 1791.	6 23	6 6	0 43	6 36	After.
21	Sat	10	Battle of Gujarat, 1849.	6 23	6 6	1 32	7 24	1 16
22	SUN	11	[General Baden-Powell born, 1857.]	6 22	6 6	2 19	8 11	2 3
23	Mon	12	SHROVE SUNDAY.—Sir Joshua Reynolds died, 1832.	6 21	6 6	3 6	8 58	2 52
24	Tues	13	Shrove Tuesday.—St. Matthias.	6 21	6 6	3 51	9 45	3 40
25	Wed	14	ASH-WEDNESDAY.—1841.	6 20	6 7	4 35	10 31	4 29
26	Thur	15	Rt. Hon. Earl of Cromer, G.C.B. born, 1841.	6 20	6 7	5 17	11 16	5 17
27	Fri	16	Majaba, 1881. Surrender of General Cronje at Paardeberg, S. Africa, 1900.	6 19	6 7	5 52	After.	6 6
28	Sat	17	Lady Smith South Africa, relieved by Genl. Sir R. Buller, V.C.	6 19	6 7	6 40	0 47	6 56

PHENOMENA.

Feb. 2	6	After.—Mercury in inferior conjunction with the sun.		
3	1	After.—Mercury at greatest Heliocentric Latitude North.		
14	2	After.—Mercury stationary.		
16	4	Morn.—Moon in conjunction with Mars.	Moon	3 32 S.
17	8	Morn.—Saturn in conjunction with Mercury.	Mercury	2 17 N.
19	8	Morn.—Mars stationary. App. diameter = 1."		
19	9	After.—Jupiter in conjunction with the sun.		
24	12	Midnight.—Moon in conjunction with Saturn.	Moon	5 22 N.
25	9	Morn.—Moon in conjunction with Mercury.	Moon	4 35 N.
27	2	Morn.—Mercury in descending Node.		
27	7	Morn.—Moon in conjunction with Jupiter.	Moon	4 41 N.
28	4	Morn.—Mercury at greatest elongation.		26 58 W.

PHASES OF THE MOON.

d. h. m.	d. h. m.
First Quarter..... 7 9 35 Morn.	Last Quarter..... 21 7 29 Morn.
Full Moon..... 13 5 24 After.	New Moon..... 29 6 47 Morn.

Perigee..... 10 3 — After. | Apogee..... 22 1 — After.

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	Morn.	After.	After.
1	SUN	13	QUADRAGESIMA (1st SUNDAY IN LENT). St. David.	6 18	6 8	7 42	1 35	7 46
2	Mon	14	St. Chad—Leo XII, born, 1810.	6 17	6 6	8 5	2 20	8 37
3	Tues	15	George Odour died, 1877.	6 17	6 5	8 49	3 9	9 30
4	Wed	16	The Forth Bridge opened, 1890.	6 16	6 8	9 55	4 0	10 25
5	Thur	17	Admiral Sir G. H. Noel, born 1845.	6 15	6 5	10 26	4 52	11 41
6	Fri	18	Battle with Tipu in Coorg, 1799.	6 15	6 8	11 18	5 43	Morn.
7	Sat	19	St. Perpetua—Siege of Bangalore, 1791.	6 14	6 5	After.	6 46	0 19
8	SUN	20	2nd SUNDAY IN LENT.	6 14	6 9	1 13	7 44	1 17
9	Mon	21	Mr. Gladstone resigned, 1894.	6 14	6 9	2 13	8 42	2 14
10	Tues	22	King Edward VII. married, 1893.	6 13	6 9	3 13	9 39	3 19
11	Wed	23	Sir James Outram died, 1863.	6 13	6 9	4 13	10 33	4 3
12	Thur	24	St. Gregory—End of Nepal War, 1815.	6 12	6 9	5 11	11 25	4 54
13	Fri	25	Prince Arthur married, 1879.	6 12	6 9	6 8	Morn.	5 43
14	Sat	26	Humbert, King of Italy, b. 1844; ass. 29th July, 1900. (bourne born 1879.	6 11	6 9	7 8	0 20	6 30
15	SUN	27	3rd SUNDAY IN LENT.—Lord Mal- Duchess of Kent died, 1844.	6 10	6 9	7 58	1 11	7 17
16	Mon	28	St. Patrick's Day.	6 9	6 9	8 51	2 1	8 2
17	Tues	29	Princess Louise born, 1848. May 1873.	6 7	6 9	10 31	3 40	9 31
18	Wed	30	David Livingstone, b. 1813. died 1st	6 7	6 10	11 24	4 28	10 22
19	Thur	31	Sir Isaac Newton died, 1727. 1871.	6 6	6 10	Morn.	5 17	11 9
20	Fri	1	St. Benedict.—Princess Louise married, 1892.	6 6	6 10	0 13	6 5	After.
21	Sat	2	4th SUNDAY IN LENT.—Goethe died.	6 5	6 10	1 0	5 52	0 45
22	SUN	3	Battle of Novara, 1849.	6 4	6 10	1 45	7 39	1 33
23	Mon	4	Battle of Hyderabad (Schinde), 1818.	6 3	6 10	2 39	8 25	2 21
24	Tues	5	Annunciation, B. V. M. (Lady Day).	6 2	6 10	3 12	9 19	3 10
25	Wed	6	Duke of Cambridge born, 1819. Cecil Rhodes died, 1902.	6 2	6 10	3 54	9 56	3 59
26	Thur	7	American Civil War began, 1861.	6 1	6 10	4 36	10 41	4 48
27	Fri	8	Prince Leopold died, 1884.	6 1	6 10	5 18	11 27	5 39
28	Sat	9	5th SUNDAY IN LENT.	6 0	6 10	6 1	After.	6 31
29	SUN	10	Russo-Persian Treaty ratified, 1882.	6 0	6 10	6 46	1 4	7 24
30	Mon	11	Andrew Lang born, 1844.	5 59	6 10	7 33	1 53	8 19
31	Tues	12						

PHENOMENA.

d. h.	d. h.
Mar. 1 8 After.—Moon in conjunction with Venus..... Moon 2 39 N.	
13 9 Morn.—Neptune stationary.	
13 8 Morn.—Moon in conjunction with Mars..... Moon 3 49 S.	
17 1 After.—Uranus in quadrature to the sun.	
18 11 After.—Jupiter in conjunction with Mercury..... Mercury 1 24 S.	
21 12 Midnight.—Spring commences.	
22 1 After.—Neptune in quadrature to the sun.	
24 1 After.—Moon in conjunction with Saturn..... Moon 5 26 N.	
27 8 Morn.—Moon in conjunction with Jupiter..... Moon 4 19 N.	
28 — Morn.—Solar eclipse see page 3.	
29 1 After.—Mars in opposition to the sun. App. diameter=14'6".	
31 10 After.—Uranus stationary.	

PHASES OF THE MOON.

d. h. m.	d. h. m.
First Quarter..... 5 7 12 Morn.	Last Quarter..... 20 2 51 Morn.
Full Moon..... 12 5 39 Morn.	New Moon..... 27 6 59 After.

c Perigee..... 5 12 — Midnight. | Apogee..... 19 10 — Morn.

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	Morn.	After.	After.
1	Wed	13	[A. was, 1857.	5 58	6 10	8 22	2 49	3 16
2	Thur	14	Al Foul's Day.—Expedition against	5 57	6 10	9 15	3 44	10 14
3	Fri	15	Mandala Mission left for Calcutta,	5 57	6 10	10 11	4 41	11 12
4	Sat	16	St. Richard..... 1882.	5 56	6 10	11 8	5 39	Morn.
5	SUN	17	St. Andrew Late Queen Victoria visit- ed Dublin, 1900.	5 56	6 10	After.	6 36	0 9
6	Mon	18	Palm Sunday.....	5 55	6 10	1 6	7 31	1 4
7	Tues	19	Capital of Coorg taken 1824.	5 55	6 11	2 3	8 27	1 57
8	Wed	20	Old Lady Day.....	5 54	6 11	3 0	9 19	2 48
9	Thur	21	King of Denmark born, 1818.	5 53	6 11	3 56	10 10	3 36
10	Fri	22	Monday Thursday.....	5 52	6 11	4 51	11 1	4 22
11	Sat	23	GOOD FRIDAY..... 1869.	5 51	6 11	5 45	11 50	5 8
12	SUN	24	Easter Eve.—Papal Jubilee; Rome.	5 50	6 11	6 39	Morn.	5 55
13	Mon	25	Easter Sunday.....	5 49	6 11	7 31	0 59	6 39
14	Tues	26	Easter Monday.—Princess Beatrice	5 49	6 11	8 23	1 29	7 26
15	Wed	27	Cardinal Vaughan born, 1832.	5 48	6 11	9 14	2 19	8 13
16	Thur	28	1st Railway opened at Bombay, 1853.	5 48	6 11	10 4	3 8	9 0
17	Fri	29	Benjamin Franklin died, 1790.	5 47	6 12	10 52	3 57	9 49
18	Sat	30	Tanna Lopes executed at Seppoe, 1872.	5 47	6 12	11 39	4 45	10 37
19	SUN	1	1st SUNDAY AFTER EASTER.—St.	5 46	6 12	Morn.	5 32	11 25
20	Mon	2	Spanish Fleet destroyed by Blake, 1805.	5 45	6 12	0 23	6 18	After.
21	Tues	3	St. Dennis.....	5 45	6 12	1 7	7 2	1 1
22	Wed	4	Arquival of Warren Hastings, 1785.	5 45	6 12	1 49	7 48	1 50
23	Thur	5	St. George's Day.....	5 44	6 12	2 23	8 22	2 38
24	Fri	6	Daniel Defoe died, 1731.	5 44	6 12	3 12	9 19	3 28
25	Sat	7	St. Mark.....	5 43	6 12	3 54	10 6	4 20
26	SUN	8	2nd SUNDAY AFTER EASTER.....	5 42	6 13	4 38	10 54	5 13
27	Mon	9	Prince Leopold married, 1882.	5 42	6 13	5 24	11 45	6 8
28	Tues	10	Mutiny of the "Bounty," 1789.	5 41	6 13	6 14	After.	7 6
29	Wed	11	Peace with Russia, 1856.	5 41	6 13	7 7	1 45	8 5
30	Thur	12	Burmese Embassy reach Simla, 1882.	5 40	6 13	8 3	2 34	9 5

PHENOMENA.

d. h.	d. h.
April 10 12 Midnight.—Moon in conjunction with Mars..... Moon 4 8 S.	
12 — Morn.—Solar eclipse, see page 3.	
13 8 Morn.—Mercury in superior conjunction with the sun.	
17 5 Morn.—Mercury in ascending Node.	
21 1 Morn.—Moon in conjunction with Saturn..... Moon 5 25 N.	
22 7 Morn.—Mercury in perihelion.	
23 11 After.—Moon in conjunction with Jupiter..... Moon 3 56 N.	
28 10 After.—Moon in conjunction with Mercury..... Moon 5 11 S.	
29 20 Morn.—Moon in conjunction with Venus..... Moon 6 3 S.	
30 6 After.—Saturn in quadrature to the sun. App. diameter=13'6".	

PHASES OF THE MOON.

☾ First Quarter.....	d. h. m.	☾ Last Quarter.....	d. h. m.
☾ Full Moon.....	4 0 47 After.	☾ New Moon.....	19 8 39 After.
	11 6 39 After.		27 4 11 Morn.

☾ Perigee.....	1 10 -- Morn.	☾ Perigee.....	29 2 -- Morn.
☾ Apogee.....	17 4 -- Morn.		

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Calm.	Sets
				Morn.	After.	Morn.	After.	After.
1	Fri	19	SS. Philip & James.—Prince Arthur born, 1850.	5 40	6 13	9 2	3 33	10 4
2	Sat	20	Cyclone in Madras, 1872.	5 40	6 13	10 1	4 31	11 1
3	SUN	21	3RD SUNDAY AFTER EASTER.—Invention of the Cross.	5 40	6 14	11 0	5 28	11 55
4	Mon	22	Death of Tipu, 1799.	5 39	6 14	After.	6 23	Morn.
5	Tues	23	Napoleon I. died, 1821.	5 39	6 14	0 56	7 16	0 46
6	Wed	24	St. John—Phoenix Park murders, 1882.	5 39	6 14	1 51	8 6	1 53
7	Thur	25	Earl of Rosbery, &c. born, 1847.	5 39	6 15	2 44	8 55	2 19
8	Fri	26	Charles II. proclaimed King, 1660.	5 38	6 15	3 38	9 44	3 4
9	Sat	27	John Stuart Mill died, 1873.	5 38	6 15	4 30	10 33	3 49
10	SUN	28	4TH SUNDAY AFTER EASTER.—Mutiny at Meerut, 1857.	5 38	6 15	5 22	11 21	4 33
11	Mon	29	Rangoon taken, 1824.	5 37	6 16	6 14	Morn.	5 19
12	Tues	30	Battle of Almaraz, 1812.	5 37	6 16	7 6	0 10	6 6
13	Wed	31	Garrison of Burnt, 18 04.	5 37	6 16	7 56	1 0	6 53
14	Thur	1	Old May Day.	5 37	6 16	8 46	1 49	7 41
15	Fri	2	Daniel O'Connell died, 1847.	5 36	6 17	9 33	2 37	8 30
16	Sat	3	Akbar Khan died, 1901.	5 36	6 17	10 18	3 25	9 18
17	SUN	4	ROGATION SUNDAY.—Africa relieved 1900.	5 36	6 17	11 1	4 12	10 6
18	Mon	5	Emperor of Russia, born, 1868.	5 36	6 17	11 44	4 58	10 53
19	Tues	6	St. Dunstan, A.C.	5 35	6 17	Morn.	5 42	11 42
20	Wed	7	Dr. W. Chambers died, 1883.	5 35	6 18	0 24	6 25	After.
21	Thur	8	ASCENSION DAY (Holy Thursday).	5 35	6 18	1 6	7 11	1 13
22	Fri	9	Conan Doyle born, 1859.	5 35	6 18	1 47	7 56	2 8
23	Sat	10	Battle of Ramillies, 1706.	5 35	6 19	2 29	8 43	2 59
24	SUN	11	SUNDAY AFTER ASCENSION DAY.—Victoria Day.	5 35	6 19	3 14	9 33	3 53
25	Mon	12	Princess Helena born, 1846.	5 35	6 19	4 2	10 25	4 50
26	Tues	13	St. Augustine, 1st Archbp. of Cant. Prince of Wales born, 1867.	5 34	6 20	4 54	11 21	5 50
27	Wed	14	Venerable Bede.	5 34	6 20	5 43	After.	6 51
28	Thur	15	Mutiny at Nussurabad, 1857. [1875.]	5 34	6 20	6 48	1 20	7 52
29	Fri	16	Arctic Expedition left Portsmouth.	5 34	6 21	7 49	2 21	8 52
30	Sat	17	Massacre at Shahjehanpur, 1857.	5 34	6 21	8 51	3 21	9 49
31	SUN	18	PENTECOST (WHIT SUNDAY).	5 34	6 21	9 52	4 18	10 42

PHENOMENA.

d. h.			
May 7	9	After.—Moon in conjunction with Mars.	Moon 3 22 S.
10	7	After.—Mercury at greatest elongation.	21 61 E.
11	7	Morn.—Mars stationary. App. diameter=12".	
18	11	Morn.—Moon in conjunction with Saturn.	Moon 5 20 N.
21	2	Morn.—Saturn stationary. App. diameter=16".	
21	7	Morn.—Venus in conjunction with ♄. Geminaorum.	Venus 0 10 N.
21	5	After.—Moon in conjunction with Jupiter.	Moon 8 30 N.
23	3	Morn.—Venus at greatest Heliocentric Latitude N.	
23	9	Morn.—Mercury stationary.	
27	9	After.—Moon in conjunction with Mercury.	Moon 3 57 S.
30	5	Morn.—Moon in conjunction with Venus.	Moon 7 29 S.

PHASES OF THE MOON.

☾ First Quarter.....	d. h. m.	☾ Last Quarter.....	d. h. m.
☾ Full Moon.....	2 3 45 After.	☾ New Moon.....	16 0 5 After.
	19 8 29 Morn.		25 11 32 Morn.

☾ Apogee.....	13 6 -- After.	☾ Perigee.....	26 8 -- Morn.
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Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Calm.	Sets
				Morn.	After.	Morn.	After.	After.
1	Mon	19	WHIT MONDAY.—Peace declared between English and Boers.	5 34	6 21	10 30	5 12	11 32
2	Tues	20	WHIT TUESDAY.—Garibaldi died, 1882.	5 34	6 21	11 47	6 4	Morn.
3	Wed	21	Prince of Wales born, 1855.	5 34	6 21	After.	6 53	0 19
4	Thur	22	Lord Wolsey born, 1833.	5 34	6 22	1 35	7 42	1 4
5	Fri	23	St. Boniface.—Lord Roberts entered Pretoria, South Africa, 1900.	5 34	6 22	2 26	8 30	1 49
6	Sat	24	Jeremy Bentham died, 1802.	5 34	6 23	3 18	9 18	2 32
7	SUN	25	TRINITY SUNDAY.—First Reform Bill passed, 1832.	5 34	6 23	4 9	10 6	3 16
8	Mon	26	Sir J. E. Millais, P.R.A. died 1896.	5 34	6 23	5 0	10 55	4 2
9	Tues	27	Charles Dickens died, 1870.	5 34	6 23	5 51	11 43	4 48
10	Wed	28	Sir Edwin Arnold, &c. L.S., born, 1832.	5 34	6 24	6 40	Morn.	5 36
11	Thur	29	Corpus Christi.—St. Barnabas, Ap.	5 35	6 24	7 28	0 32	6 24
12	Fri	30	Massacre at Cawnpore, 1857.	5 35	6 24	8 14	1 20	7 13
13	Sat	31	Earl Rivers executed, 1483.	5 35	6 25	8 59	2 7	8 1
14	SUN	1	1ST SUNDAY AFTER TRINITY.	5 35	6 25	9 42	2 53	8 49
15	Mon	2	Wm. Tyler killed, 1881.	5 35	6 25	10 23	3 38	9 37
16	Tues	3	Battle of Ligny and Quatre Bras, 1815.	5 35	6 25	11 3	4 22	10 24
17	Wed	4	St. Alban, M.	5 35	6 25	11 43	5 6	11 11
18	Thur	5	Battle of Waterloo, 1815.	5 36	6 26	Morn.	5 50	After.
19	Fri	6	Bischoff Massacre, 1857. Throne, 1857.	5 36	6 26	0 24	6 35	0 49
20	Sat	7	Late Queen Victoria ascended the throne, 1850.	5 36	6 26	1 6	7 22	1 40
21	SUN	8	2ND SUNDAY AFTER TRINITY. [1497.]	5 36	6 26	1 51	8 12	2 34
22	Mon	9	Newfoundland discovered by S. Cabot.	5 36	6 27	2 40	9 5	3 32
23	Tues	10	Prince Edward of York born, 1894.	5 37	6 27	3 33	10 1	4 37
24	Wed	11	St. John the Baptist.—Lord Kitchener born, 1850.	5 37	6 27	4 20	11 1	5 33
25	Thur	12	Navigation Acts repealed, 1849.	5 37	6 27	5 51	After.	6 35
26	Fri	13	King George IV died, 1830.	5 37	6 27	6 34	1 5	7 35
27	Sat	14	Lord Lawrence died, 1879.	5 38	6 28	7 27	2 5	8 32
28	SUN	15	3RD SUNDAY AFTER TRINITY.	5 38	6 28	8 39	3 3	9 23
29	Mon	16	St. Peter, A. & M.	5 38	6 28	9 38	3 53	10 15
30	Tues	17	End of Second Burmah War, 1863.	5 38	6 28	10 35	4 50	11 2

PHENOMENA.

d. h.			
June 3	6	After.—Mercury in inferior conjunction with the sun.	
4	8	Morn.—Moon in conjunction with Mars.	Moon 1 49 S.
14	6	Morn.—Jupiter in quadrature to the sun. App. diameter=37".	
14	3	After.—Moon in conjunction with Saturn.	Moon 5 18 N.
15	9	After.—Mercury stationary.	
16	4	Morn.—Uranus in opposition to the sun.	
18	7	Morn.—Moon in conjunction with Jupiter.	Moon 3 7 N.
22	6	After.—Summer commences.	
24	11	After.—Moon in conjunction with Mercury.	Moon 0 21 S.
26	10	Morn.—Neptune in conjunction with the sun.	
29	9	Morn.—Mercury at greatest elongation.	22 5 W.
29	7	After.—Moon in conjunction with Venus.	Moon 6 43 S.

PHASES OF THE MOON.

d. h. m.	d. h. m.
First Quarter..... 2 2 23 Morn.	New Moon..... 23 6 7 After.
Full Moon..... 9 11 4 After.	First Quarter..... 31 0 36 After.
Last Quarter..... 18 0 45 Morn.	

Apogee..... 11 2 — Morn.	Perigee..... 24 3 — After.
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Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	Morn.	After.	After.
1	Wed	17	Princess Alice married, 1862.....	5 39	6 38	11 30	3 40	11 47
2	Thur	18	Vindiction of B. V. Mary.....	5 39	6 38	1 14	7 16	0 32
3	Fri	19	Battle of Sedawa, 1866.....	5 39	6 38	2 6	8 4	1 16
4	Sat	20	Translation of St. Martin.—American Independence Day.....	5 40	6 38	2 6	8 4	1 16
5	SUN	21	42d SUNDAY AFTER TRINITY.—O. J. Rhodes born, 1858.....	5 40	6 38	2 6	8 4	1 16
6	Mon	22	Duke of York married, 1893.....	5 40	6 38	2 6	8 4	1 16
7	Tues	23	Translation of St. Thomas & Becket.....	5 41	6 39	2 6	8 4	1 16
8	Wed	24	St. Mary Magdalene born, 1888.....	5 41	6 39	2 6	8 4	1 16
9	Thur	25	Earl of Minto born, 1845.....	5 41	6 39	2 6	8 4	1 16
10	Fri	26	Vellore Mutiny, 1906.....	5 42	6 39	2 6	8 4	1 16
11	Sat	27	Boatwreck of Alexandria, 1882.....	5 42	6 39	2 6	8 4	1 16
12	SUN	28	5th SUNDAY AFTER TRINITY, med, 1878.....	5 42	6 39	2 6	8 4	1 16
13	Mon	29	Berlin Treaty, Peace with Honor signed, 1763.....	5 42	6 39	2 6	8 4	1 16
14	Tues	30	Storming of Bastille, Paris, 1789.....	5 43	6 39	2 6	8 4	1 16
15	Wed	31	St. Stephen—Relief of Russia, 1900.....	5 43	6 39	2 6	8 4	1 16
16	Thur	1	Massacre of Calcutta, 1857.....	5 43	6 39	2 6	8 4	1 16
17	Fri	2	France-Prussia War commenced, 1870.....	5 43	6 39	2 6	8 4	1 16
18	Sat	3	Dr. W. G. Grace, famous cricketer, born, 1815.....	5 44	6 38	Morn.	6 4	After.
19	SUN	4	6th SUNDAY AFTER TRINITY.....	5 44	6 38	0 31	6 53	1 18
20	Mon	5	St. Margaret—[Jan. 1733].....	5 44	6 38	1 30	7 47	2 15
21	Tues	6	Robert Burns died, 1796; born 25th.....	5 44	6 38	2 18	8 45	3 14
22	Wed	7	St. Mary Magdalene.....	5 45	6 38	3 12	9 48	4 15
23	Thur	8	Princess Beatrice married, 1885.....	5 45	6 37	4 13	10 45	5 16
24	Fri	9	Capture of Gibraltar, 1704.....	5 45	6 37	5 15	11 47	6 16
25	Sat	10	St. James & M.....	5 45	6 37	6 20	After.	7 12
26	SUN	11	7th SUNDAY AFTER TRINITY.—St. Joseph of Arimathea.....	5 46	6 37	7 22	1 43	8 5
27	Mon	12	Battle of Pyrenees, 1813.....	5 46	6 36	8 23	2 40	9 55
28	Tues	13	Battle of Pyrenees, 1813.....	5 46	6 36	9 20	3 32	10 42
29	Wed	14	Assassination of King Humbert of.....	5 47	6 36	10 15	4 28	11 28
30	Thur	15	Prince Bismarck, b. 1st April, 1815.....	5 47	6 36	11 10	5 18	12 24
31	Fri	16	Battle of Flevo, 1877.....	5 47	6 36	After.	6 1	12 30

PHENOMENA.

d. h.	d. h.
July 2 7	Morn.—Moon in conjunction with Mars..... Moon 0 9 N.
3 6	Morn.—Sun in Apogee.
7 3	Morn.—Mars in quadrature to the sun. App. diameter=8.2".
10 9	Morn.—Venus at greatest elongation. App. diameter=24.2". 45 30 E.
11 8	After.—Moon in conjunction with Saturn..... Moon 5 11 N.
12 12	Midnight.—Mercury in conjunction with Neptune. Mercury 0 42 N.
15 2	Morn.—Jupiter stationary. App. diameter=41.2".
15 4	After.—Moon in conjunction with Jupiter..... Moon 2 55 N.
26 9	After.—Mercury in superior conjunction with the sun.
27 10	After.—Moon in conjunction with Venus..... Moon 0 43 S.
30 1	After.—Saturn in opposition to the sun. App. diameter=17.2".
30 2	After.—Moon in conjunction with Mars..... Moon 2 15 N.

PHASES OF THE MOON.

d. h. m.	d. h. m.
Full Moon..... 8 2 16 After.	New Moon..... 23 1 12 Morn.
Last Quarter..... 16 10 43 Morn.	First Quarter..... 30 1 55 Morn.

Apogee..... 7 4 — Morn.	Perigee..... 22 2 — Morn.
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Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	After.	After.	After.
1	Sat	17	Lammas Day.....	5 47	6 25	0 53	6 50	Morn.
2	SUN	18	8th SUNDAY AFTER TRINITY.....	5 47	6 25	1 44	7 38	0 45
3	Mon	19	Mahratta War commenced 1805.....	5 47	6 25	2 38	8 26	1 31
4	Tues	20	Earl of Aberdeen born, 1847.....	5 47	6 25	3 22	9 14	2 18
5	Wed	21	General Sheridan died, 1888.....	5 47	6 25	4 9	10 3	3 6
6	Thur	22	Transfiguration.—Prince Alfred born, 1844.....	5 48	6 24	4 55	10 48	3 51
7	Fri	23	None of Jesus—Dean Farrar born, 1831.....	5 48	6 24	5 39	11 34	4 43
8	Sat	24	"Transvaal State" Convention signed, 1881.....	5 48	6 24	6 21	Morn.	5 21
9	SUN	25	9th SUNDAY AFTER TRINITY Coronation of King Edward VII.....	5 48	6 23	7 2	0 18	6 18
10	Mon	26	St. Lawrence.....	5 48	6 23	7 42	1 3	7 5
11	Tues	27	Genl. Lord (Rowland) Hill, born, 1772; died 10th December 1842.....	5 48	6 22	8 22	1 47	7 53
12	Wed	28	Ahmednagar taken (Wellesley), 1803.....	5 48	6 22	9 3	2 30	8 46
13	Thur	29	Imperial Defence Act, 1888.....	5 49	6 21	9 44	3 15	9 29
14	Fri	30	Old Lammas Day.....	5 49	6 21	10 28	4 0	10 19
15	Sat	31	Assumption of B. V. Mary.—Relief of Peking, 1900.....	5 49	6 20	11 14	4 48	11 11
16	SUN	1	10th SUNDAY AFTER TRINITY.—St. Roche's Day.....	5 49	6 20	Morn.	5 38	After.
17	Mon	2	Battle of Bobilla, 1808.....	5 49	6 19	0 4	6 32	1 1
18	Tues	3	Emperor of Austria born, 1830.....	5 49	6 19	0 58	7 20	1 59
19	Wed	4	Mutiny at Porozeppore, 1857.....	5 49	6 18	1 50	8 27	2 59
20	Thur	5	Anachista Riots in Paris, 1899.....	5 49	6 18	2 57	9 27	3 57
21	Fri	6	Capture of Taku Forts, 1860.....	5 49	6 17	3 59	10 28	4 55
22	Sat	7	Dr. Pusey born, 1800.....	5 50	6 17	5 2	11 27	5 49
23	SUN	8	11th SUNDAY AFTER TRINITY.....	5 50	6 16	6 3	After.	6 42
24	Mon	9	St. Bartholomew, Ap.....	5 50	6 16	7 3	1 18	7 31
25	Tues	10	Michael Faraday died, 1867.....	5 50	6 15	8 1	2 11	8 20
26	Wed	11	Battle of Crecy, 1346.....	5 50	6 14	8 58	3 9	9 6
27	Thur	12	Battle of Poitiers, 1356.....	5 50	6 14	9 52	3 54	9 53
28	Fri	13	St. Augustine, Ep.....	5 50	6 13	10 46	4 43	10 40
29	Sat	14	St. John the Baptist beheaded.....	5 50	6 12	11 39	5 34	11 28
30	SUN	15	12th SUNDAY AFTER TRINITY.....	5 50	6 12	After.	6 22	Morn.
31	Mon	16	John Bunyan died, 1688.—Queen Wilhelmina born, 1880.....	5 50	6 11	1 18	7 10	0 15

PHENOMENA.

d. h.	d. h.
Aug. 7 19	After.—Moon in conjunction with Saturn..... Moon 5 16 N.
11 7	After.—Moon in conjunction with Jupiter..... Moon 2 59 N.
18 4	Morn.—Venus at greatest brilliancy. App. diameter=38.2".
21 10	Morn.—Venus in Aphelion.
21 12	Midnight.—Mercury in descending Node.
24 6	After.—Moon in conjunction with Mercury..... Moon 0 53 N.
25 3	Morn.—Moon in conjunction with Venus..... Moon 5 42 N.
25 6	After.—Venus stationary. App. diameter=47.0".
28 5	Morn.—Moon in conjunction with Mars..... Moon 4 12 N.

PHASES OF THE MOON.

d. h. m.	d. h. m.
Full Moon..... 7 5 41 Morn.	New Moon..... 21 9 52 Morn.
Last Quarter..... 14 6 35 After.	First Quarter..... 28 6 30 After.
Apogee..... 3 12 — Morn.	Perigee..... 19 7 — Morn.

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN	THE MOON
				Rises Sets	Rises Culm. Sets
				Morn. After.	After. After. Morn.
1	Tues	17	St. Giles.—Transfer of India to the Crown, 1858.	5 50 5 10	2 5 7 58 1 2
2	Wed	18	Capture of Omdurman, 1898.	5 50 5 9	2 52 3 45 1 51
3	Thur	19	Oliver Cromwell died, 1658.	5 50 5 9	3 35 4 31 2 39
4	Fri	20	French Republic proclaimed, 1870.	5 50 5 8	4 19 5 16 3 27
5	Sat	21	Malta taken from the French, 1800.	5 50 5 7	5 1 11 1 4 14
6	SUN	22	18th SUNDAY AFTER TRINITY.	5 50 5 6	5 42 11 45 5 2
7	Mon	23	St. Bartholomew, <i>dp.</i>	5 50 5 6	6 22 Morn. 5 50
8	Tues	24	Nadir of <i>S. V. Mary</i> .—Fall of Sebastopol, 1855.	5 50 5 5	7 3 0 29 6 27
9	Wed	25	Battle of Flodden Field, 1513.	5 50 5 5	7 44 1 13 7 26
10	Thur	26	Empress of Austria assassinated, 1898.	5 50 5 4	8 27 1 59 8 18
11	Fri	27	Battle of Delhi (Lake), 1803.	5 50 5 4	9 13 2 46 9 8
12	Sat	28	M. Guizot, French Statesman, died, 1874.	5 50 5 3	10 1 3 33 10 0
13	SUN	29	14th SUNDAY AFTER TRINITY.	5 50 5 2	10 53 4 27 10 55
14	Mon	30	Holy Cross day.	5 50 5 1	11 47 5 22 11 51
15	Tues	31	Fireman Cooper born, 1889; died 14th September 1851.	5 50 5 1	Morn. 0 18 After.
16	Wed	1	St. Eitha.—George I, landed in England 1714.	5 50 5 0	0 45 7 15 1 45
17	Thur	2	St. Lambert, <i>dp.</i>	5 50 5 0	1 44 8 13 2 41
18	Fri	3	Commonwealth of Australia proclaimed, 1901.	5 50 5 0	2 43 9 11 3 34
19	Sat	4	President Garfield died, 1881.	5 50 5 58	3 45 10 8 4 28
20	SUN	5	15th SUNDAY AFTER TRINITY.—Battle of Alona, 1554.	5 50 5 57	4 45 11 3 5 18
21	Mon	6	St. Matthew.	5 50 5 57	5 44 11 57 6 7
22	Tues	7	Sultan of Turkey born, 1842.	5 50 5 56	6 41 After. 5 55
23	Wed	8	Battle of Assaye, 1803.	5 50 5 55	7 36 1 41 7 43
24	Thur	9	Dean Milman died, 1868.	5 51 5 55	8 33 2 33 8 31
25	Fri	10	Blackburn Day, 1857.	5 51 5 54	9 27 3 23 9 19
26	Sat	11	St. Stephen.	5 51 5 53	10 19 4 14 10 7
27	SUN	12	16th SUNDAY AFTER TRINITY.	5 51 5 52	11 10 5 3 10 56
28	Mon	13	Genl. J. D. P. Franca, 1862. <i>was Day</i>	5 51 5 51	12 0 5 32 11 44
29	Tues	14	St. Michael and All Angels (Michael).	5 51 5 51	After. 6 39 Morn.
30	Wed	15	St. Jerome.—General Roberts, R.E., V.C., born 1832.	5 51 5 50	1 29 7 23 0 33

PHENOMENA.

Sey.	d. h.	Phenomena.
10	Morn.	Uranus stationary. App. diameter=3.6".
11	After.	Moon in conjunction with Saturn. Moon 5 26 N.
7	After.	Moon in conjunction with Jupiter. Moon 3 17 N.
12	Morn.	Jupiter in opposition to the sun. App. diameter=40".
11	After.	Uranus in quadrature to the sun.
2	Morn.	Venus in inferior conjunction with the sun.
9	After.	Moon in conjunction with Venus. Moon 7 32 N.
12	Midnight.	Mercury stationary.
—	Morn.	Solar eclipse, see page 4.
11	Morn.	Autumn commences.
2	Morn.	Moon in conjunction with Mars. Moon 5 41 N.
12	Morn.	Neptune in quadrature to the sun.

PHASES OF THE MOON.

d. h. m.	d. h. m.
Full Moon..... 6 8 45 After.	New Moon..... 20 8 51 After.
Last Quarter..... 14 1 17 Morn.	First Quarter..... 28 1 54 After.
Apogee..... 1 2 — Morn.	Perigee..... 16 9 — After.
	Apogee..... 28 11 — After.

Day of Month.	Day of Week.	Tamil day of Month.	REMARKABLE DAYS, &c.	THE SUN	THE MOON
				Rises Sets	Rises Culm. Sets
				Morn. After.	After. After. Morn.
1	Thur	16	St. Remigius.	5 51 5 49	2 13 8 11 1 18
2	Fri	17	Major André executed, 1790.	5 51 5 48	3 58 8 56 2 9
3	Sat	18	Admiral Earl of Clarendon, 1832.	5 51 5 48	5 30 9 40 2 56
4	SUN	19	17th SUNDAY AFTER TRINITY.	5 51 5 47	4 19 10 25 3 44
5	Mon	20	Margress Cornwallis, Governor-General of India, died 1805.	5 51 5 46	5 0 11 9 4 32
6	Tues	21	St. Faith, <i>V. and A.</i>	5 51 5 45	5 41 11 55 5 21
7	Wed	22	Nabob of the Carnatic died, 1865. (1873)	5 51 5 45	6 35 Morn. 6 10
8	Thur	23	Owen's College, Manchester, opened.	5 51 5 44	7 10 0 43 7 3
9	Fri	24	St. Denis.—President Kruger's Ultimatum 1892.	5 51 5 44	7 58 1 32 7 56
10	Sat	25		5 51 5 43	8 49 2 24 8 51
11	SUN	26	18th SUNDAY AFTER TRINITY.	5 52 5 42	9 43 3 18 9 47
12	Mon	27	Old Michaelmas Day. <i>Jeaser.</i>	5 52 5 41	10 40 4 13 10 44
13	Tues	28	Translation of King Edward the Confessor.	5 52 5 41	11 37 5 10 11 40
14	Wed	29	Mafeking besieged by Boers, 1899.	5 52 5 40	Morn. 6 7 After.
15	Thur	30	Gregorian Calendar introduced, 1582.	5 52 5 40	0 36 7 3 1 25
16	Fri	31	Lord Palmerston died, 1865. [h. 1852]	5 52 5 39	1 34 7 58 2 19
17	Sat	1	St. Etheldreda.—Duchess of Edinb. [Lake, Evangelist]	5 52 5 39	2 33 8 52 3 9
18	SUN	2	19th SUNDAY AFTER TRINITY.—St. Jeaser.	5 52 5 38	3 30 9 44 3 57
19	Mon	3	Siege of Kimberley by Boers, 1899.	5 53 5 38	4 25 10 36 4 44
20	Tues	4	Battle of Talana Hill, Genl. Penn Symonds mortally wounded, 1899.	5 53 5 37	5 22 11 28 5 32
21	Wed	5	Battle of Trafalgar, 1805.	5 53 5 37	6 18 After. 6 19
22	Thur	6	Sarah Bernhardt born, 1845.	5 53 5 36	7 13 1 11 7 8
23	Fri	7	Sir M. Hicks Beach born, 1837.	5 53 5 36	8 7 2 3 7 57
24	Sat	8	King of Serbia shot at, 1882. [London] <i>Crump, M. Royal Progress thro</i>	5 53 5 35	9 0 2 53 8 46
25	SUN	9	20th SUNDAY AFTER TRINITY.—St. Jeaser.	5 53 5 35	9 51 3 43 9 36
26	Mon	10	William Hogarth died, 1764; born 1697.	5 53 5 34	10 39 4 32 10 25
27	Tues	11	President Roosevelt, U.S.A., born 1858.	5 54 5 34	11 26 5 19 11 13
28	Wed	12	St. Simon and Jude.	5 54 5 34	After. 6 5 Morn.
29	Thur	13	Battle of Rancuzhar's Farm, S.A. 1899.	5 54 5 33	0 53 6 50 0 2
30	Fri	14	Yeoman of the Guard formed. [1831]	5 55 5 33	1 34 7 34 0 49
31	Sat	15	Assumption of Mysore by British.	5 55 5 33	2 15 8 14 1 36

PHENOMENA.

d. h.	Phenomena.
Oct. 1	8 Morn.—Moon in conjunction with Saturn. Moon 5 32 N.
4	8 After.—Mercury in inferior conjunction with the sun.
3	8 After.—Moon in conjunction with Jupiter. Moon 3 56 N.
6	— After.—Lunar eclipse, see page 4.
7	4 Morn.—Venus stationary. App. diameter=31.0".
8	12 Noon.—Saturn stationary. App. diameter=16.0".
10	10 Morn.—Neptune stationary.
12	4 Morn.—Mercury stationary.
19	8 Morn.—Mercury at greatest elongation. 18 13 W.
24	8 After.—Mars in conjunction with Uranus. Mars 1 13 S.
27	7 After.—Saturn in quadrature to the sun. App. diameter=15.6".
31	12 Midnight.—Moon in conjunction with Saturn. Moon 3 39 N.

PHASES OF THE MOON.

o Full Moon.....	d. h. m.	o New Moon.....	d. h. m.
c Last Quarter.....	5 10 49 Morn.	o First Quarter.....	19 10 31 Morn.
	12 8 7 Morn.		27 10 53 Morn.
c Perigee.....	10 7 — After.	c Apogee.....	25 8 — After.

Day of Month.	Day of Week.	Lunar day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	After.	After.	Morn.
1	SUN	16	Saints' Day.	h. m.	h. m.	h. m.	h. m.	h. m.
2	Mon	17	21st SUNDAY AFTER TRINITY.—All	5 55	5 32	2 55	9 3	2 24
3	Tues	18	King's birthday.	5 55	5 32	3 36	9 48	3 12
4	Wed	19	Proclamation Assuming Government	5 55	5 32	4 19	10 25	4 2
5	Thur	20	of India from E. I. Company.	5 55	5 31	5 4	11 24	4 32
6	Fri	21	Gunpowder Plot, 1605.	5 55	5 31	5 52	Morn.	5 47
7	Sat	22	St. Leonard.	5 55	5 31	6 43	9 16	6 42
8	SUN	23	Battle of Mooltan, 1848.	5 57	5 31	7 37	1 11	7 40
9	Mon	24	22nd SUNDAY AFTER TRINITY.	5 57	5 31	8 34	2 7	8 37
10	Tues	25	King's birthday.	5 57	5 30	9 32	3 5	9 35
11	Wed	26	Duke of Eife born, 1849.	5 58	5 30	10 31	4 2	10 32
12	Thur	27	St. Martin, Ep.	5 58	5 30	11 29	4 59	11 25
13	Fri	28	Gibson Centenary held, 1894.	5 59	5 30	Morn.	5 54	After.
14	Sat	29	St. Britian, Ep.	5 59	5 30	6 57	6 47	1 5
15	SUN	30	Genl. Sir Hugh Gough, V. O. b. 1835.	6 0	5 30	1 23	7 39	1 52
16	Mon	1	23rd SUNDAY AFTER TRINITY.—St.	6 0	5 30	2 18	8 30	2 59
17	Tues	2	Soudan Expedition left Suez, 1882.	6 1	5 30	3 13	9 20	3 25
18	Wed	3	St. Hugh.—Suez Canal opened, 1869.	6 1	5 29	4 7	10 11	4 11
19	Thur	4	Duke of Wellington buried at St.	6 2	5 29	5 2	11 1	4 59
20	Fri	5	Paul's 1892.	6 2	5 29	5 56	11 52	5 47
21	Sat	6	Great Fire at Cripplegate, London, 1597.	6 3	5 29	6 49	After.	6 36
22	SUN	7	St. Edmund, K. & M.	6 3	5 29	7 41	1 34	7 26
23	Mon	8	Sir Thomas Gresham died 1579.	6 4	5 29	8 31	2 23	8 16
24	Tues	9	Cochin, V. and M.	6 4	5 29	9 19	3 12	9 5
25	Wed	10	24th SUNDAY AFTER TRINITY.—St.	6 5	5 29	10 5	3 59	9 54
26	Thur	11	St. Clement.	6 6	5 29	10 48	4 41	10 42
27	Fri	12	Defeat of Khalifa, 1899.	6 6	5 29	11 30	5 23	11 29
28	Sat	13	St. Katherine. [1869]	6 7	5 30	After.	6 12	Morn.
29	SUN	14	Princess Charlotte of Denmark b.	6 7	5 30	0 50	6 55	0 16
30	Mon	15	Earliest date for Advent Sunday.	6 8	5 30	1 30	7 30	1 3
			Maudslay occupied, 1885.—Battle of	6 8	5 30	2 11	8 25	1 51
			Modder River, 1899.					
			1st SUNDAY IN ADVENT.					
			St. Andrew A. & M.					

PHENOMENA.

d.	h.		
Nov. 8	3	Morn.—Venus in ascending Node.	
10	10	Morn.—Jupiter stationary. App. diameter=41.0".	
15	6	After.—Moon in conjunction with Venus.	Moon 0 35 S.
17	12	Midnight.—Mercury in descending Node.	
19	5	Morn.—Moon in conjunction with Mercury.	Moon 4 1 N.
21	8	After.—Mercury in superior conjunction with the sun.	
23	10	Morn.—Moon in conjunction with Mars.	Moon 6 24 N.
25	2	Morn.—Moon in conjunction with Saturn.	Moon 6 14 N.
28	5	Morn.—Mercury in Aphelion.	
28	10	Morn.—Moon in conjunction with Jupiter.	Moon 8 19 N.
29	2	After.—Mars at greatest Heliocentric Latitude S.	
29	4	After.—Venus at greatest elongation. App. diameter=24.6" 46 44 W.	

PHASES OF THE MOON.

o Full Moon.....	d. h. m.	o New Moon.....	d. h. m.
c Last Quarter.....	4 11 34 After.	o First Quarter.....	19 2 47 Morn.
	11 4 14 After.		27 7 44 Morn.
c Perigee.....	7 2 — After.	c Apogee.....	23 3 — After.

Day of Month.	Day of Week.	Lunar day of Month.	REMARKABLE DAYS, &c.	THE SUN		THE MOON		
				Rises	Sets	Rises	Culm.	Sets
				Morn.	After.	After.	After.	Morn.
1	Tues	16	Queen Alexandra's Birthday (1844).	h. m.	h. m.	h. m.	h. m.	h. m.
2	Wed	17	Battle of Austerlitz, 1811.	6 8	5 30	2 54	9 13	2 41
3	Thur	18	Battle of Hohenlinden, 1800.	6 9	5 30	3 41	10 3	3 38
4	Fri	19	Sluttee abolished, 1839.	6 9	5 30	4 30	10 57	4 28
5	Sat	20	Madras Court of S. Causes estab., 1850.	6 10	5 31	5 24	11 54	5 25
6	SUN	21	2nd SUNDAY IN ADVENT.—St. Nicholas.	6 11	5 31	6 21	0 53	6 24
7	Mon	22	Hyder Ali died, 1782.	6 11	5 32	7 21	1 52	7 23
8	Tues	23	Conception of B. V. Mary.	6 12	5 32	8 23	2 52	8 23
9	Wed	24	Second battle of Nagpore, 1857.	6 12	5 32	9 23	3 49	9 20
10	Thur	25	Nagpore annexed, 1853.	6 12	5 33	10 22	4 44	10 13
11	Fri	26	Battle of Magersfontein, South Africa, 1899.	6 13	5 33	11 19	5 37	After.
12	Sat	27	Genl. A. A. Wauchope killed.	6 14	5 34	0 15	6 28	0 36
13	SUN	28	New Zealand discovered, 1642.	6 15	5 34	1 9	7 17	1 23
14	Mon	29	3rd SUNDAY IN ADVENT.—St. Lucy.	6 15	5 34	2 9	8 7	2 9
15	Tues	30	Prince Consort, died, 1861.	6 16	5 35	2 56	8 56	2 55
16	Wed	1	Battle of Colenso, S. A., 1899.—Lieut.	6 16	5 35	3 49	9 46	3 42
17	Thur	2	St. Sapiaentia. Hon. Roberts killed.	6 17	5 36	4 41	10 36	4 30
18	Fri	3	Edn. Stone of Madras Town Hall laid.	6 18	5 36	5 33	11 26	5 19
19	Sat	4	Sir Richard Owen, K.C.S., d. 1892.—1893.	6 18	5 37	6 24	After.	6 9
20	SUN	5	Marquis Dalhousie died, 1869.	6 19	5 37	7 13	1 5	6 58
21	Mon	6	4th SUNDAY IN ADVENT.—Battle of	6 19	5 38	8 44	2 39	8 35
22	Tues	7	St. Thomas, Ap.	6 20	5 38	9 26	3 24	9 23
23	Wed	8	Battle of Perozheshub, 1840.	6 20	5 39	10 7	4 7	10 3
24	Thur	9	Lord Robert's sailed for S. A., 1899.	6 21	5 39	10 7	4 7	10 3
25	Fri	10	Christmas Eve.	6 21	5 40	10 47	4 50	10 56
26	Sat	11	CHRISTMAS DAY.	6 22	5 40	11 26	5 33	11 43
27	SUN	12	St. Stephen, M.	6 22	5 41	After.	6 17	Morn.
28	Mon	13	1st SUNDAY AFTER CHRISTMAS.—St.	6 23	5 41	0 47	7 2	0 30
29	Tues	14	Holy Innocents' Day. born, 1892.	6 23	5 42	1 30	7 59	1 20
30	Wed	15	W. E. Gladstone died, 19th May, 1863.	6 24	5 42	2 17	8 41	2 13
31	Thur	16	Pegu annexed, 1852. born 1833.	6 24	5 43	3 8	9 35	3 7
			St. Silvester, Ep.—President Locheb.					

PHENOMENA.

d.	h.		
Dec. 8	6	Morn.—Jupiter in quadrature to the sun. App. diameter=37.4".	
9	4	Morn.—Mercury in conjunction with Uranus.	Mercury 1 48 S.
12	1	Morn.—Venus in Perihelion.	
15	5	Morn.—Moon in conjunction with Venus.	Moon 0 5 N.
19	3	Morn.—Uranus in conjunction with the sun.	
21	5	Morn.—Mars in conjunction with Saturn.	Mars 0 33 S.
22	2	After.—Moon in conjunction with Saturn.	Moon 4 55 N.
22	12	Midnight.—Mars in Perihelion.	Moon 5 25 N.
23	5	Morn.—Winter commences.	
25	11	After.—Moon in conjunction with Jupiter.	Moon 2 40 N.
27	3	After.—Neptune in opposition to the sun.	

EXPLANATORY NOTES ON THE CALENDAR.

JANUARY.

The name given to this month by the Romans was taken from *Janus*, one of their divinities, to whom they gave two faces; because on the one side, the first day of this month looked towards the new year, and on the other towards the old one. It was called *noſſenat* by our Saxon ancestors, on account of the danger they then experienced from wolves.

1ST—CIRCUMCISION.

On this day is celebrated the Circumcision of our Saviour, a rite of the Jewish law, first enjoined to Abraham as a token of the covenant God made with him and his posterity.

Hark! the merry bells ring round
With clamorous joy to welcome in this day,
This consecrated day
To mirth and indolence.

The ancient custom of going about with the *wassail*, 'a bowl of spiced ale,' is yet retained in many places. The composition was ale, nutmeg, sugar, toast, and roasted crabs or apples and was called *lamb's wool*.

6TH—EPIPHANY.

On the *Epiphany* or *Manifestation* of Christ to the Gentiles, commonly called *Twelfth-day*, the Eastern magi were guided by the star to pay homage to their Saviour; and it takes its name from their coming on that day, which was the twelfth after the Nativity. The usual celebration of Twelfth-day, in the Metropolis and in the South of England, is by drawing lots, and assuming fictitious characters for the evening:—formerly the king or queen was chosen by a bean found in a piece of divided cake; and this was once a common Christmas gambol in both the English Universities. The day after Twelfth-day was called *St. Dista's-day*.

8TH—SAINT LUCIAN.

Saint Lucian, Confessor and Martyr, was born at Samosata in Syria. He was well versed in the Hebrew language, and employed much time in comparing and amending the copies of the Bible. Lucian was put to death by Maximian II.

13TH—SAINT HILARY.

Hilary was born at Poitiers in France, of an illustrious family; and of this place he was chosen bishop in the year 351. He died at Poitiers in 368. Hilary was an excellent orator and poet; his style abounds with rhetorical figures.

18TH—SAINT PRISCA.

Prisca, a Roman lady, was early converted to Christianity; but refusing to abjure her religion, and to offer sacrifice when she was commanded, was horribly tortured, and afterwards beheaded, under the Emperor Claudius, in the year 275.

21ST—SAINT AGNES.

Agnes, a young Roman lady, of a noble family, suffered martyrdom in the tenth general persecution, under the Emperor Diocletian, in the year 306. Although the executioners wounded her most cruelly with the sword, yet she bore it with incredible constancy, singing hymns all the time: she was then no more than thirteen or fourteen years of age.

22ND—SAINT VINCENT.

Vincent, a deacon of the church in Spain, suffered martyrdom in the Diocletian persecution, about the year 303, being extended upon burning coals; and, after his body was broiled there, he was thrown upon heaps of broken tiles.

25TH—CONVERSION OF SAINT PAUL.

This day celebrates the miraculous conversion of Saint Paul. He was beheaded under the general persecution of Nero; hence the usual representation of him with a sword in his hand.

FEBRUARY.

Some etymologists derive February from *Februus*, an epithet given to Juno, as the goddess of purification; while others attribute the origin of the name to *Februus*, a feast held by the Romans in this month, in behalf of the manes of the deceased. The Saxons named February *ſprout ſele*, on account of the sprouts of the cole-wort which began to appear in this month.

2ND—PURIFICATION OF THE BLESSED VIRGIN MARY.

This festival is of high antiquity, and the ancient Christians observed it by using a great number of lights, in remembrance, as it is supposed, of our blessed Saviour being declared by Simeon, to be 'a light to lighten the Gentiles': hence the name of Candlemas-day.

3RD—SAINT BLASE.

He was Bishop of Sebaste, in Armenia, and suffered martyrdom in 316, under the persecution of Licinius. Blase is the principal patron of Ragusa, and also of the woolcombers, who still keep a solemn guild at Norwich, in memory of their tutelar saint.

5TH—SAINT AGATHA.

Saint Agatha suffered martyrdom under Decius, in the year 251. She was honourably descended, and very beautiful. Her personal charms soon attracted the notice of Quintianus, praetor or governor of the province; who, being unable to accomplish his base design, ordered her to be scourged, and then imprisoned, for not worshipping the Pagan deities. After which, still persisting in the faith, she was put to the rack, burnt with hot irons, and had her breasts cut off.

8TH—SEPTUAGESIMA SUNDAY.

When the words Septuagesima, Sexagesima, and Quinquagesima (seventieth, sixtieth, and fiftieth), were first applied to denote these three Sundays, the season of Lent had generally been extended to a fast of six weeks, that is, thirty-six days, not reckoning the Sundays, which were always celebrated as festivals.

14TH—SAINT VALENTINE.

Valentine was an ancient presbyter of the Church: he suffered martyrdom in the persecution under Claudius II, at Rome; being beaten with clubs, and then beheaded, in the *Via Flaminia*, about the year 270.

The day Saint Valentine,

When mists are brisk, and at the break of day
Start up and turn their pillows, curious all
To know what happy swim the fates provide
A mate for life. Then follows thick discharge
Of true-love knots and sonnets nicely penned,
But to the learned critic's eye no verse,
But prose distracted.—HURDIS.

24TH—SHROVE TUESDAY.

This day is also called 'Eastern's Len' and Pancake Tuesday. *Shrove* is the preterite of *shrive*, an antiquated word, which signifies to hear or make confession. On this day it was usual for the people to confess, that they might be the better prepared for the observation of the ensuing season of penitence, and for receiving the Sacrament at Easter. It was afterwards converted into a day of idle sports and amusements; and in many parts of England, its anniversary was distinguished by riot and drunkenness, by ball-baiting, cock-fighting, and such other diversions as were calculated to promote cruelty and inhumanity. The Popish Carnival commences from Twelfth-day, and holds till Lent.

24TH—SAINT MATTHIAS.

Matthias was, probably, one of the seventy disciples, and was a constant attendant upon our Lord, from the time of his baptism by St. John until his Ascension. He was afterwards, near the river Asparus, murdered by some barbarians. The gospel and traditions published under his name are considered spurious.

25TH—ASH-WEDNESDAY.

Lent is not of apostolic institution, nor was it known in the earlier ages of the Christian Church. This day was formerly called *Cabut Jejunii*, the head of the fast, and *Dies Cinerum*, or Ash-Wednesday. The latter appellation is derived from the discipline of the ancient Church, in regard to penitents, who, on the first day of Lent, had ashes thrown upon them, and their heads covered with sackcloth.

MARCH.

Among the Romans, March, from *Mars*, was the first month, and marriages made in this month were accounted unhappy. The Saxons called March *lent monat*, or *length-month*, 'because the days did first begin, in length, to exceed the nights.'

1ST—FIRST SUNDAY IN LENT.

Dominica in Passionibus, or Passion Sunday, was the name given to this day in initials; as the Church now began to advert to the sufferings of Christ. In the North it is called *Carling Sunday*, and grey peas, first steeped at night in water, and fried with butter, form the usual repast.

1ST—SAINT DAVID.

Saint David having founded several monasteries, and been the spiritual father of many saints, both British and Irish, died about the year 544, at a very advanced age.

2ND—SAINT CHAD.

Saint Ceadda or Chad, educated in the monastery of Lindisfarne, under Saint Aidan, was afterwards Bishop of Lichfield, and died in the great pestilence of 673.

7TH—SAINT PERPETUA.

Perpetua, a noble lady of Carthage, only twenty-two years of age, suffered martyrdom in 203, by order of Minutius Firmianus, under the persecution of the Emperor Severus. In the amphitheatre, Perpetua was exposed to the attacks of a wild cow, and, after being much gored by this animal, she languished for some time under the wounds given her by a young and unskilful gladiator.

12TH—SAINT GREGORY.

Saint Gregory, surnamed the Great, was born about the year 530. He was consecrated Pope about the year 590, and died in 604. Before his advancement to the See, Gregory projected the conversion of the English nation; and, although his offer to this effect was at first refused, he accomplished his wishes after he assumed the papal chair.

17TH—SAINT PATEICK.

The tutelar saint of Ireland was born in the year 371, in a village called *Bonaven Tabernia*, probably Kilpatrick, in Scotland, between Dumbarton and Glasgow. Being successively ordained deacon, priest, and bishop, he received the apostolical benediction from Pope Celestine, and was sent by him, about the beginning of the year 432, to preach the gospel in Ireland. He died at the good old age of 123, and was buried at Down, in Ulster.

The *shamrock* is said to be worn by the Irish, upon the anniversary of this saint, for the following reason: When he preached the gospel to the Pagan Irish, he illustrated the doctrine of the Trinity by showing them a *trefoil*, or three-leaved grass, with one stalk; which operating to their conviction, the shamrock, which is a bundle of this grass, was ever afterwards worn upon this saint's anniversary, to commemorate the event.—*Brand*.

21ST—SAINT BENEDICT.

Benedict, or *Becket*, was born at Norcia in Italy, about the year 480, and of an honourable family. Being sent by his parents to Rome to complete his studies, he became disgusted with the licentiousness of the Roman youth, and retired to the mountain of Subiaco, about forty miles from the city. Bennet was now only fifteen, and lived for three years in a cave. Romanus, a monk, giving him provisions: these were let down by a rope, with a bell affixed, to give notice to the holy recluse. Bennet founded the monastery of Casiano in 529: it was built on the brow of a very high mountain, on the top of which there was an old temple of Apollo, surrounded with a grove. The Benedictine order of monks, first instituted by our saint, was, in the ninth century, at its height of glory.

22ND—MID-LENT SUNDAY.

The middle or fourth Sunday in Lent was formerly called the Sunday of the five Loaves, the Sunday of Bread, and the Sunday of Refreshment, in allusion to the Gospel appointed for this day. It was also named *Rose-Sunday*, from the Pope carrying a golden rose in his hand, which he exhibited to the people in the streets as he went to celebrate the Eucharist, and at his return. *Mothering Sunday* is another name attached to this day, from the practice, in Roman Catholic times, of people visiting their mother church on Mid-Lent Sunday. Hence, perhaps, the custom now existing in some parts of England, of children visiting their parents, and presenting them with money, trinkets, or some other trifle. Furnety is commonly a rural repast on this day. It is made of whole grains of wheat first parboiled, and then put into and boiled in milk, sweetened, and seasoned with spices.

25TH—ANNUNCIATION OF THE B. V. M., or Lady Day.

This day celebrates the angel's message to the Virgin Mary, respecting our Blessed Lord. She was, probably, an only child, and but fifteen years of age when espoused to Joseph. She died A.D. 48, being about sixty years old.

APRIL.

April is derived from *Aprilis*, of *aperio*, I open; because the earth, in this month, begins to open her bosom for the production of vegetables. The Saxons called this month *oster-monat*, from the goddess *Oester*, or because the winds were found to blow generally from the east in this month.

1ST—ALL FOOLS' DAY.

On this day everybody sets out to make as many fools as he can: the wit chiefly consists in sending persons on what is called sleeveless errands, for the history of Eve's mother, for pigeon's milk, stirrup oil, and other ridiculous absurdities.

4TH—SAINT AMBROSE.

Our saint was born about the year 340, and was educated in his father's palace, who was Praetorian Prefect of Gaul. He ruled over the See of Milan with great piety and vigilance for more than twenty years; during which time, he gave all his money to pious uses, and settled the reversion of his estate upon the Church. He converted the celebrated St. Augustine to the faith, and at his baptism, in a miraculous manner, composed that divine hymn, so well known in the Church by the name of *Te Deum*. He died, aged fifty-seven, in the year of our Lord 396.

5TH—PALM SUNDAY.

In the missals, this day is denominated *Dominica in ramis Palmarum*, or Palm Sunday, and was so called from the palma branches and green boughs formerly distributed on that day, in commemoration of our Lord's riding to Jerusalem. Sprigs of *boxwood* are still used as a substitute for palms in Roman Catholic countries. On this day is still retained the ancient usage of decorating churches, houses, &c., with evergreens.

9TH—MAUNDY THURSDAY.

This day is called in Latin *Dies Mandati*, the day of the command, being the day on which our Lord washed the feet of his disciples, as recorded in the second lesson. The practice was long kept up in the monasteries. After the ceremony, liberal donations were made to the poor, of clothing and of silver money, and refreshment was given them to mitigate the severity of the fast. On the 15th April 1731 (Maundy Thursday), the Arch-bishop of York washed the feet of a certain number of poor persons. James II. was the last king who performed this in person.

10TH—GOOD FRIDAY.

This day commemorates the suffering of Christ, as a propitiation for our sins. Holy Friday, or the Friday in Holy Week, was its most ancient and general appellation; the name Good Friday is peculiar to the English Church. It was observed as a day of extraordinary devotion. Buns, with crosses upon them, are usually eaten in London and some other places, on this day, at breakfast. St. Peter's Church at Rome is most superbly illuminated on this night.

The procession, on this day, at Barcelona, is thus described by the Rev. Joseph Townsend, in his *Journey through Spain*. "I found two images, as large as life, distinguished from the rest as being stationary, and the more immediate objects of their devotion; the one representing Christ as taken from the cross, the other the Virgin in all her best attire, pierced by seven swords, and leaning over the recumbent body of her son. Behind these images, a theatre with colonnades, supporting a multitude of wax tapers, dazzled the sight, while the air was charmed by the harmonious chanting of the choir."

More than a hundred thousand persons all the morning crowded the streets, hurrying from church to church to express the warmth of their zeal, and the fervour of their devotion, by bowing themselves in each, and kissing the feet of the most revered image. Most of the spectators were natives of the city, but many upon such occasions resort to Barcelona from the adjacent villages, and some from distant provinces.

Towards the close of day the pageant appeared, moving with slow and solemn pace along the streets, and conducted with the most perfect regularity. The last supper of Christ with his disciples, the treachery of Judas, attended by the priests, together with the guards, the flagellation, the crucifixion, the taking from the cross, the anointing of the body, and the burial, with every transaction of the closing scene, and the events subsequent to the Passion of our Lord, were represented by images as large as life, placed in proper order on lofty stages, many of which were elegant, and all as highly ornamented as carving and gilding, rich silks, brocades, and velvets, with curious embroidery, all executed by their most skilful artists, could render them. No expense was spared either in the materials, the workmanship, or the wax lights, which, with the most splendid profusion, were consumed upon this occasion. Each of these stages was supported on the shoulders of six men, who were completely hid by a covering of black velvet hanging round the margin of the stage, and reaching nearly to the ground. This procession was preceded by Roman centurions clothed in their proper armour, and the soldiers of the garrison brought up the rear. The intermediate space was occupied by the group of images above described, attended by eight hundred burghers, clothed in black buckram, with flowing trains, each carrying a flambeau in his hand. Besides these, one hundred and fourscore penitents engaged my more particular attention. Like the former, they carried each a flambeau, but their dress was singular, somewhat resembling that of the blue-coat boys of Christ's Hospital, London, being a jacket and coat in one, reaching to their heels, made of dark-brown shalloon, with a bonnet on their head, like what is called a fool's cap, being a cone covering the head and face completely, and having holes for the eyes. The design of the peculiar form is to conceal the penitents, and to spare their blushes. These were followed

by twenty others, who, either from remorse of conscience, or having been guilty of more atrocious crimes or for hire, or with the most benevolent view of adding to the common fund of merit for the service of the Church, walked in procession barefooted, dragging heavy chains, and bearing large crosses on their shoulders. Their penance was severe; but, for their comfort, they had assigned to them a number of honour; for immediately after them followed the sacred corpse placed in a coffin of silver, and attended by twenty-five priests, dressed in their richest robes. Near the coffin a well-chosen band, with harp-boys, clarionets, French horns, and flutes, played the softest and most solemn music. This part of the procession wanted nothing to heighten the effect. I am persuaded that every one who had a soul for harmony felt the starting tear.

HIS SAVIOUR'S WORDS going to the CROSS.

Have, have ye no regard, all ye
Who pass this way, to pity Me,
Who am a man of misery?
A man both bruised, and broke; and one
Who suffers not here for mine own,
But for my friends' transgression!
Ah, Sion's daughters! do not fear
The cross, the cords, the nails, the spear,
The myrrh, the gall, the vinegar:
For Christ, your loving Saviour, hath
Drank up the wine of God's fierce wrath;
Only there's left a little from
Less for to taste, than for to show
What bitter cups had been your due.
Had He not drunk them up for you.—HARRICK.

12TH—EASTER-DAY or EASTER SUNDAY.

Easter is styled, by the Fathers, the highest of all festivals, the feast of feasts, the queen of festivals, and *Domini Gaudium*, the joyous Sunday. Masters granted freedom to their slaves at this season, and valuable presents were made to the poor.

13TH & 14TH APRIL.—EASTER MONDAY AND TUESDAY.

Every day in this week was formerly observed as a religious festival, sermons being preached, and the Sacrament administered. In many places, servants were permitted to rest from their usual employments, that they might constantly attend public worship. During fifteen days, of which the paschal solemnity consisted, the Courts of Justice were shut, and all public games, shows, and amusements, were prohibited: it is unnecessary to observe, that this practice has long ceased, and that the Easter Week is usually devoted to relaxation and amusement; this is particularly the case at Moscow and in Catholic countries.

19TH—LOW SUNDAY.

It was a custom among the primitive Christians, on the first Sunday after Easter Day, to repeat some part of the solemnity of that grand festival; whence this Sunday took the name of *Low Sunday*, being celebrated as a feast, though in a lower degree.

19TH—SAINT ALPHEGE.

A native of England, Alphege was first Abbot of Bath, then Bishop of Winchester, in the year 984; and, twelve years afterwards, Archbishop of Canterbury. He was stoned to death at Greenwich.

21ST—SAINT DOMINIC.

Found at Paris thirty of his religious followers in the chapel of St. James, and, in consequence of the name of the chapel and the street where it stood, he called them *Jacobins*. This was the origin of an Order which exercised great power over kings. St. Louis had so much love for this community, that he wished to be made a Jacobin. He proposed his design to the queen, and conjured her not to oppose it. That princess immediately sent for her children and the Earl of Anjou, brother of the King; she demanded of the first whether they would prefer being the sons of a priest rather than the sons of a king? And, without waiting for their answer, she exclaimed, 'The Jacobins have worked on the mind of your father, and persuaded him to abdicate the throne in order to become a priest and a preacher.' At these words, the Earl of Anjou expressed his determination to oppose the king and the priests; and the eldest son of the monarch swore by St. Denis, that, if ever he came to the throne, he would drive every mendicant idle friar out of his kingdom. The fanatic passion of St. Louis for crusade brought him to his death, near the ruins of Carthage, fighting against *Muslims* in a country where Dido had established the gods of the Syrians. This king extended that religious enthusiasm which depopulated Europe during two centuries.

23RD—SAINT GEORGE.

This illustrious saint, termed, by the Greeks, the 'great martyr,' was born in Cappadocia, of noble Christian parents, and was a Tribune or Colonel in the army under Diocletian. He was beheaded in the year 290. Under the name and ensign of St. George, Edward III., in 1330, instituted the most noble order of knighthood in Europe.

25TH—SAINT MARK.

St. Mark's Gospel was written in the year 63. The Order of Knights of St. Mark at Venice, under the protection of this evangelist, was instituted in the year 737, the reigning Doge being always Grand Master:—their motto was, '*Pax tibi, Marce, Evangelista Meus.*'

MAY.

May is so called from *Mata*, the Mother of Mercury, to whom sacrifices were offered by the Romans on the first of this month; or, according to some, from respect to the senators and nobles of Rome, who were named *Majores*, as the following month was termed *Junius*, in honour of the youth of Rome. The Saxons called May *tri-milki*, because in that month they began to milk their kine three times in a day.

1ST—MAY-DAY.

Anciently, all ranks of people went out a-maying early on the first of this month. The Juvenile part of both sexes, in the north, were wont to rise a little after midnight, and walk to some neighbouring wood, accompanied with music and the blowing of horns; where they break down branches from the trees, and adorn them with *nosegays* and *crowns of flowers*. When this is done, they return with their booty homewards, about the rising of the sun, and make their doors and windows to triumph in the flowery spoil. The after-part of the day is chiefly spent in dancing round a tall pole, which is called a *May-pole*; which being placed in a convenient part of the village, stands there, as it were, consecrated to the goddess of flowers, without the least violation offered it, in the whole circle of the year.

The custom of *going a-maying* is now confined wholly to the populace; and the 'milk maids' gurland' and 'chimney-sweepers' dance' are the most remarkable features of this annual celebration.

1ST—SAINT PHILIP AND SAINT JAMES.

Philip was born at Bethsaida, near the Sea of Tiberias, the city of Andrew and Peter. He was one of the first disciples, and an apostle. James the Less, called also *James the Just*, and, by the Apostle Paul, *James*, the Lord's brother, was the son of Joseph, afterwards husband to the Virgin Mary, as is probable by his first wife. The first of these martyrs was stoned to death, and the second, having been thrown from a high place, was killed by a fuller's staff.

3RD—INVENTION OF THE CROSS.

The Romish Church celebrates this day as a festival, to commemorate the *invention* or finding of a wooden cross, supposed to be the true one, by Helena, the mother of Constantine the Great.

6TH—JOHN EVANGELIST, A. P. L.

John the Evangelist was a Galilean by birth, the son of Zebedee and Salome, the younger brother of James, but not of him that was surnamed the Just, and who was the brother of our Lord. Being carried prisoner to Rome, he was condemned to be thrown into a cauldron of boiling oil, but was miraculously preserved, and came out of it alive. He survived to the reign of Trajan, and died about ninety years of age.

17TH—ROGATION SUNDAY.

This day takes its name from the Latin term *rogare*, to ask; because, on the three subsequent days, *supplications* were appointed by Marcellinus, Bishop of Vienna, in the year 469, to be offered up with fasting to God, to avert some particular calamities that threatened his diocese.

19TH—SAINT DUNSTAN.

Dunstan was a native of Glastonbury, and nobly descended. He was a skilful painter, musician, and an excellent forger and refiner of metals: he manufactured crosses, vials, and sacred vestments; and also painted and copied good books. He was Bishop of London, and afterwards Archbishop of Canterbury. He died in 988.

21ST—ASCENSION DAY.

From the earliest times, this day was set apart to commemorate our Saviour's Ascension into heaven: all processions, on this, and the preceding rogation days, were abolished at the Reformation. In London, on this day, the minister, accompanied by the church-wardens, and a number of boys, with wands, walk in procession, and beat the bounds of the parish.

31ST—WHIT-SUNDAY.

On Whit-Sunday, or *White-Sunday*, the *catechumens*, who were then baptized, as well as those who had been baptized before at Easter, appeared, in the ancient Church, in *white garments*; hence the name.

JUNE.

The Saxons called June *weyl-monat*, because their beasts did then *weyl* or feed in the meadows.

1ST, 2ND—WHIT-MONDAY AND WHIT-TUESDAY.

In 'antient times' Whitsun Plays were acted at this season. At Chester, these plays were twenty-five in number, and were performed for above three centuries, annually. In the year 1600, they were enacted by the craftsmen of the twenty-five companies, who were all dressed in suitable habits. The subjects were taken from the Scriptures.

Every third year, on Whit-Tuesday, the *Atonten* as *Bton* is celebrated. It consists of a procession to a small tumulus on the southern side of the Bath road, which has given the name of Salt Hill to the spot, now better known by the splendid Inns that are established there.

5TH—SAINT BONIFACE.

Boniface was created Bishop of Mentz in the year 145. He was one of the first priests of his day, and was also a great friend and admirer of the Venerable Bede. He was murdered in a barbarous manner by the populace near Utrecht, while preaching the Christian religion.

7TH—TRINITY SUNDAY.

Stephen, Bishop of Liege, first drew up an Office in commemoration of the Holy Trinity, about the year 920; but the festival was not formally admitted into the Romish Church till the fourteenth century, under the pontificate of John XXI.

11TH—CORPUS CHRISTI.

This festival, 'the body of Christ,' was appointed in honour of the Eucharist, and always falls on the Thursday after Trinity Sunday. This day, termed the *Fête Dieu*, is one of the greatest festivals of the Romish Church, beginning on Trinity Sunday, and ending on the Sunday following.

11TH—SAINT BAENABAS.

Our saint's proper name was *Jones*; he was descended of the tribe of Levi, and born at Cyprus. Being shut up all night in the synagogue by some Jews at Salamis, he was, the next morning, cruelly tortured, and afterwards stoned to death. The *Epistle* which he wrote is considered genuine, though not admitted into the canon of the Church.

17TH—SAINT ALBAN.

St. Alban, the first Christian martyr in England, suffered in the year 303.

24TH—SAINT JOHN THE BAPTIST AND MIDSUMMER DAY.

The nativity of Saint John the Baptist is celebrated by the Christian Church on this day, because he was the *Forerunner* of our Blessed Lord, and, by preaching the doctrine of repentance, prepared the way for the Gospel. He was imprisoned by Herod for preaching against his marriage with his brother's wife, and was afterwards beheaded by the arts of that enraged woman.

It was formerly customary at Magdalen College, Oxford, on St. John the Baptist's Day, to have a sermon preached in the first court. There was a permanent pulpit of stone inserted in one corner, and the quadrangle used to be furnished round the sides with a large fence of green boughs, that the preaching might more nearly resemble that of John the Baptist in the Wilderness. But, as we grow more tender than our forefathers, it has been thought safer to take shelter under the roof of the chapel. It is to this institution that we owe the admirable 'Considerations on the Life and Death of John the Baptist.'

29TH—SAINT PETER.

This apostle's father was Jonah, probably a fisherman of Bethsaida. Peter was first scourged, and then led out to be crucified upon the hill called *Janiculum*, desiring to be fastened to the cross with his head downwards, alleging that he thought himself unworthy to die in the same way as his Lord and Master.

JULY.

This word is derived from the Latin *Julius*, the surname of C. Cæsar, the dictator, who was born in it. Mark Anthony first gave to this month the name of *July Quintilis*, as being the fifth month in the year, in the old Roman calendar established by Romulus. July was called by the Saxons, *hru-monat*, or *hey-monat*, because therein they usually mowed and made their hay-harvest.

2ND—VISITATION OF THE BLESSED VIRGIN MARY.

This festival was instituted by Pope Urban VI, in commemoration of that remarkable journey which the mother of our Lord took into the mountains of Judæa, in order to visit the mother of St. John the Baptist.

4TH—TRANSLATION OF SAINT MARTIN.

This day was appointed to commemorate the removal or translation of St. Martin's body from one tomb to another much more noble and magnificent; an honour conferred upon the deceased saint by Perpetuus, one of his successors in the see of Tours. His festival is celebrated on the 11th of November.

15TH—SAINT SWITHIN.

Swithin, in the Saxon *Swithun*, received his clerical tonsure, and put on the monastic habit, in the old monastery at Winchester: he was of noble parentage, and passed his youth in the study of grammar, philosophy, and the Scriptures. Swithin was promoted to holy orders by Helmstan, Bishop of Winchester; at whose death, in 852, King Ethelwolf granted him the See. In this he continued eleven years, and died in 865.

20TH—SAINT MARGARET.

She was born at Antioch, and was the daughter of a Pagan priest. She was first tortured and then beheaded in the year 278.

22ND—SAINT MARY MAGDALEN.

This day was first dedicated to the memory of St. Mary Magdalen, by King Edward VI; and in his Common Prayer, the Gospel for the day is from St. Luke, chap. vii., verse 36. The Reformers, however, upon a more strict inquiry, finding it doubtful whether this woman, mentioned in the Gospel, was really Mary Magdalen, thought it prudent to discontinue the festival.

25TH—SAINT JAMES.

James was by birth a Galilean, and partner with Peter in fishing, from which our Lord called him to be one of his disciples. Of his ardent zeal, no other proof is necessary, than his becoming the victim of Herod Agrippa. The Spaniards esteem James their tutelary saint.

26TH—SAINT ANNE.

She was the mother of the Virgin Mary, and the wife of Joachim her father. Her festival is celebrated by the Latin Church.

AUGUST.

Sextilis was the ancient Roman name of this month, being the sixth from March. The Emperor Augustus changed this name, and gave it his own, because in this month Cæsar Augustus took possession of his first consulship, celebrated three triumphs, reduced Egypt under the power of the Roman people, and put an end to all civil wars. The Saxons called August *arn-monat* (more rightly *barn-monat*), intending thereby the then filling of their barns with corn.

1ST—LAMMAS DAY.

The name of this day is probably derived from an old Saxon term, signifying *Loaf-Mass*; as it was customary for the Saxons to offer oblation of loaves, made of new wheat, on this day, as the first-fruits of their new corn.

8TH—NAME OF JESUS.

Before the Reformation, this day was dedicated to *Anna*, a woman who had been converted to Christianity by Narcissus, Bishop of Jerusalem, and who afterwards suffered martyrdom; and the Breviary was recognized by Paul V. Afterwards Donatus, who became martyr in the time of Julian, for refusing to sacrifice, was substituted in her place. Our Reformers devoted it to the Name of our Blessed Lord.

10TH—SAINT LAWRENCE.

St. Lawrence was, by birth, a Spaniard, and treasurer of the Church of Rome, being deacon to Pope Sixtus, about the year 259. He was laid upon a gridiron, and broiled over a fire.

15TH—ASSUMPTION OF THE BLESSED VIRGIN MARY.

This is a festival in the Greek and Romish Churches, in honour of the supposed miraculous ascension of the Virgin Mary into heaven.

24TH—SAINT BARTHOLOMEW.

He preached the Gospel in Armenia, converted the Lycaonians, and afterwards visited India. The Dissenters observe the 24th of August as the day on which the Nonconformist

Ministers were ejected from their livings, and appeal to the Nonconformists' Memorial as a testimony of their wrongs. But the Church also has her memorials to produce in Walker's "Sufferings of the Clergy during the Usurpation." On both sides, no doubt, many suffered unjustly; and happy is it, that we live in times when we can think and say so.

28TH—SAINT AUGUSTINE.

Augustine was born at Thagaste, a town in Numidia, in the year 354. He was a judicious divine, and the most voluminous writer of all the Fathers. He died in 430, at the age of 77.

29TH—ST. JOHN THE BAPTIST BEHEADED.

This day was formerly denominated *Festum Collectionis Sancti Johannis Baptistæ*; or, the feast of gathering up St. John the Baptist's relics; but afterwards, by corruption, *Festum Decollationis*, the festival in remembrance of his being beheaded. His nativity is celebrated on the 24th of June.

SEPTEMBER.

September is composed of *septem*, seven, and the termination *ber* etc. is in *Aprilis*, *Quintilis*, *Sextilis*. This rule will also apply to the three following months, October, November, December. Our Saxon ancestors called it *Gerst-monat*, 'for that barley which that month commonly yielded was anciently called *gerst*.'

1ST—SAINT GILES.

Giles, or Agidius, was born at Athens, but came to France in the year 715. Charles Martel, when hunting, found him in his hermit's cell, and, pleased with his unaffected piety and sanctity of manners, erected an abbey for him at Nismes, of which he was constituted abbot. He died in the year 795.

7TH—SAINT EUNUCHUS.

Eunuchus, or Evertius, was bishop of Orleans, and present at the Council of Valentin. A.D. 375.

8TH—NATIVITY OF THE BLESSED VIRGIN MARY.

A concert of angels having been heard in the air to solemnize this important event, the festival was appointed by Pope Servius about the year 495.

14TH—HOLY CROSS.

This festival was first observed in the year 615, on the following occasion: Cosroes, King of Persia, having plundered Jerusalem, carried away large pieces of the Cross which had been left there by the Empress Helena. Heraclius, the emperor, soon afterwards engaged and defeated him, and recovered the Cross; but, bringing it back in triumph to Jerusalem, he found the gates shut against him, and heard a voice from heaven, saying, that the King of Kings did not enter into that city in so scately a manner, but *weak and lowly, and riding upon an ass*. The emperor then immediately dismounted from his horse, and walked through the city barefooted, carrying the Cross himself.

17TH—SAINT LAMBERT.

Lambert was Bishop of Utrecht, in the time of King Pepin I; but, reproving the King's grandson for his irregularities, he was cruelly murdered at the instigation of an abandoned woman.

21ST—SAINT MATTHEW.

In the year 64 or 65 Matthew wrote his Gospel in Hebrew which was afterwards translated into Greek. After many labours and miracles, he closed his life at Nadabar in Ethiopia, probably by martyrdom.

28TH—SAINT CYPRIAN.

He was an African by birth, of a good family, and well educated. He suffered martyrdom under Valerianus and Gallienus, in 258.

29TH—SAINT MICHAEL.

Saint Michael was an archangel who presided over the Jewish nation, and had an army of angels under his command and conduct; he fought also with the Dragon or Satan, and his angels; and, contending with the Devil, he disputed about the body of Moses. This festival has been kept with great solemnity ever since the sixth century. About this time of the year, in former days it was the custom to elect the governors of towns and cities. On the election of a *baillif* at Kidderminster, the inhabitants assembled in the principal streets to throw cabbage stalks at each other.

The custom of having a 'roast goose' for dinner (seasoned with sage and onions and port wine) on Michaelmas Day, is of very ancient standing; yet the cause why remains unexplained though, as Beckwith remarks in his edition of Blount's "Jocular Terms," 14

was now probably for no other reason but that Michaelmas Day was a great festival, and geese at that time most plentiful. Poor Robin, in his Almanack for 1696, has the following lines:—

Geese now in their prime season are,
Which, if well roasted, are good fare;
Yet, however, friends, take heed,
How too much on them you feed,
Lest, when as your tongues run loose,
Your discourse do smell of Geese.

30TH—SAINT JEROME.

Jerome translated the Old Testament into Latin: this version, now styled the *Vulgate*, is the only one used or allowed by the Romish Church. He died in the eightieth year of his age, A.D. 420.

OCTOBER.

This month was called *Domitianus* in the time of Domitian; but, after his death, by the decree of the Senate, it took the name of October, every one hating the name and memory of so detestable a tyrant. It was called *wyn-monat*, or wine-month, by the Saxon.

1ST—SAINT REMIGIUS.

Remigius is styled the *French Apostle*. After he had held his bishopric seventy-four years, he died at ninety-six years of age, A.D. 535.

6TH—SAINT FAITH.

This virgin martyr suffered death under Decianus, about the year 290, the most cruel torments being inflicted upon her.

9TH—SAINT DENYS.

St. Denys, or Dionysius, the Areopagite, was converted to Christianity by Saint Paul. The French say that he was the first that preached the Gospel among them, and, for that reason, consider him their tutelar saint.

13TH—TRANSLATION OF KING EDWARD THE CONFESSOR.

He was the youngest son of King Ethelred; but as all his elder brothers were either dead, or had fled away, he succeeded to the crown of England in the year 1042. He collected all the most useful laws made by the Saxon and Danish kings. The additional title of Confessor was probably given him by the pope, for settling what was then called *Rome-Scot*, but now better known by the name of *Peter's Pence*.

17TH—SAINT ETHELRED.

She was a princess of distinguished piety, daughter of Anna, King of the East Angles, and Herewithin his queen, and was born about the year 630, at Ixning, a small village in Suffolk. In the year 673 she founded the conventual church of Ely, with the adjoining convent. Of this monastery she was constituted abbess, the monks and nuns living in society and regular order: it flourished for nearly two hundred years, but was destroyed, with its inhabitants, by the Danes, in 870.

18TH—SAINT LUKE THE EVANGELIST.

Luke was born at Antioch, the metropolis of Syria, a place celebrated for the study of the liberal arts. The notion that he was a painter is without foundation, as it is not countenanced by ancient writers. Dr. Lardner thinks that he might have been by profession a physician, as the expression 'beloved physician,' *Col. iv, 14*, seems to intimate. Luke lived a single life, and died in the eighty-fourth year of his age, about the year of Christ 70, probably a natural death.

25TH—SAINT CRISPIN.

Two brothers, Crispinus and Crispianus, were born at Rome: whence they travelled to Soissons in France, about the year 303, to propagate the Christian religion. Being desirous, however, of rendering themselves independent, they gained a subsistence by shoe-making. It having been discovered that they privately embraced the Christian faith, and endeavoured to make proselytes of the inhabitants, the Governor of the town immediately ordered them to be beheaded about the year 308. From this time the shoe-makers chose them for their tutelar saints.

28TH—SAINT SIMON AND SAINT JUDE, Apostles.

Simon is called the *Canaanite*, from the Hebrew word *Cana*, to be zealous: hence his name of *Simon Zelotes*, or the Zealot. After enduring various troubles and afflictions, he, with great cheerfulness, suffered death on the cross. Jude was of our Lord's kindred; 'Is not his mother called Mary, and his brethren James and Joseph, and Simon and Judas?' *Matt. xiii. 55*. After great success in his apostolic ministry, he was, at last, for a free and open reproach of the superstitious rites of the Magi, cruelly put to death. He has left one epistle of universal concern to Christians.

NOVEMBER.

The Saxons called November *wint-monat*, or wind-month, on account of the prevalence of high winds in this month.

1ST—ALL SAINTS.

In the early ages of Christianity the word *saint* was applied to all *believers*, as is evident in the use of it by Saint Paul and Saint Luke; but the term was afterwards restricted to such as excelled in Christian virtues. In the Romish Church, holy persons, canonized by the pope, are called *saints*, and are invoked and supplicated by the professors of that religion.

2ND—ALL SOULS.

Formerly in Catholic countries, on the eve and day of All Souls, the churches were hung with black; the tombs were opened; a coffin covered with black, and surrounded with wax lights, was placed in the nave of the church, and, in one corner, figures in wood, representing the souls of the deceased, were half-way plunged into the flames.

5TH—SAINT LEONARD.

Leonard, or *Lienard*, was a French nobleman of great reputation in the Court of Clovis I. He died about the year 559, and has always been implored by prisoners as their guardian saint.

11TH—SAINT MARTIN.

He was a native of Hungary, and, for some time followed the life of a soldier; but, afterwards, took orders and was made Bishop of Tours, in France, in which See he continued for twenty-six years. Martin died about the year 397, much lamented, and highly esteemed for his virtues. The Bishop was once so popular in France that his feast had an *octave*, that is, was celebrated a second time in the week following; and it was a rule among his devotees to *roast a goose* for the family dinner on the day of his anniversary. A medal was struck in France in commemoration of this laudable custom; on one side of which was embossed a *goose*, and on the reverse occurs the word *Martinella*.

The festival of St. Martin occurring when geese are in high season, it is always celebrated with a voracity the more eager, as it happens on the eve of the *petit carême*, when fowls could no longer be presented on the tables of a religious age. A German monk, Martin Schoock, made it a case of conscience whether, even on the eve of the little Lent, it be allowable to eat goose: '*An hoc Martinalibus anserem comedere?*' After having divided into the weedy pool of the casuist's arguments, the delighted devotee emerges with the permission to roast his goose; and thus the goose came to be a standing dish on the Continent at Martinmas, as in England at Michaelmas.

13TH—SAINT BRITUS.

Britus, or Brice, succeeded St. Martin in the bishopric of Tours in the year 399. He died in 444.

17TH—SAINT HUGH.

Our saint was a native of Burgundy, or Gratianopolis, and died on this day, in the year 1200, of an ague. In 1220, he was canonized at Rome, and his remains were taken up, October 7, 1282, and deposited in a silver shrine.

20TH—EDMUND, KING AND MARTYR.

Edmund, King of the East-Angles, having been attacked by the Danes in 870, and unable to resist them, heroically offered to surrender himself a prisoner, provided they would spare his subjects. The Danes, however, having seized him, used their utmost endeavours to induce Edmund to renounce his religion; but refusing to comply, they first beat him with clubs, then scourged him with whips, and afterwards, binding him to a stake, killed him with their arrows. His body was buried in a town, where Sigebert, one of his predecessors, had built a church; and where afterwards (in honour of his name) a more spacious building was erected, which, together with the town, was named St. Edmundsbury; but it is now called *Bury*. One of the most elegant cemeteries in Europe stands in the centre of two church-yards at Bury St. Edmunds. It is an isolated fragment of the celebrated abbey in which John of Lydgate was a monk, and around it are planted shrubs, trees, and a variety of flowers; a profusion of ivy creeps up the sides of the walls on which are placed two or three monuments.

22ND—SAINT CECILIA.

Cecilia was a Roman lady, who, refusing to renounce her religion, was thrown into a cauldron of boiling water, and scalded to death. Others say that she was stifled in a bath, a punishment frequently inflicted, at that time, on female criminals of rank. She suffered martyrdom about the year 225. Cecilia is regarded as the patroness of music, and is represented by Raffaele with a regal in her hand.

23RD—SAINT CLEMENT.

Clement I. was born at Rome, and was one of the first Bishops of that place; this See he held about sixteen years; from the year 64 or 65 to 81. He was remarkable for having written two Epistles, so excellent, and so highly esteemed by the primitive Christians

that the first was for some time considered canonical. Clement was sentenced to work in the quarries, and afterwards, having an anchor fastened about his neck, was drowned in the sea.

25TH—SAINT KATHARINE.

This saint was born at Alexandria, and received a liberal education. About the year 305 she was converted to Christianity, which she afterwards professed with the utmost intrepidity, openly reproving the pagans for offering sacrifices to their idols, and upbraiding the Emperor Maxentius, to his face, with the most flagrant acts of tyranny and oppression. She was condemned to suffer death by rolling a wheel over her body stuck round with iron spikes.

29TH—ADVENT SUNDAY.

This and the three subsequent Sundays, which precede the grand festival of Christmas, take their name from the Latin *adventus*, to come into; or from the word *adventus*, an approach.

30TH—SAINT ANDREW.

Andrew was the son of James, a fisherman at Bethsaida, and younger brother of Peter. He was condemned to be crucified on a cross, of the form of an X; and, that his death might be more lingering, he was fastened with cords.

The Order of the Thistle was instituted by Achaius, King of Scotland, in 787, restored by James V. 1540, revived by King James II. in 1687, and re-established, by Queen Anne, 1702.

DECEMBER.

December was called *winter-monat* by the Saxons; but, after they were converted to Christianity, it received the name of *heliigh-waent*, or holy month.

6TH—SAINT NICHOLAS.

Nicholas was Bishop of Myra, in Lycia, and died about the year 392. He was of so charitable a disposition, that he portioned three young women, who were reduced in circumstances, by secretly conveying a sum of money into their father's house. A curious foot is preserved in the Cathedral of Winchester, the carvings on which are applied to the life and miracles of this saint. The annual ceremony of the *boy-bishop* was once observed on this day.

8TH—CONCEPTION OF THE BLESSED VIRGIN MARY.

This festival was instituted by Anselm, Archbishop of Canterbury, because William the Conqueror's fleet, being in a storm, afterwards came safe to shore. The Council of Oxford, however, held in the year 1222, permitted every one to use his discretion in keeping it.

13TH—SAINT LUCY.

This virgin martyr was born at Syracuse. She refused to marry a young man who paid his addresses to her, because she had determined to devote herself to religion, and to prevent his importunities, gave her whole fortune to the poor. The youth, enraged at this denial, accused her before Paschasius, the heathen judge, of professing Christianity, and Lucy, after much cruel treatment, fell a martyr to his revenge, in the year 305.

16TH—O SAPIENTIA.

This is the beginning of an Anthem in the Latin service to the honour of Christ's advent, which used to be sung in the Church from this day until Christmas-eve.

21ST—SAINT THOMAS THE APOSTLE.

Thomas, surnamed *Didymus*, or the Twin, was a Jew, and, in all probability, a Galilean. He suffered martyrdom in the same city, being killed by the lance of some people instigated by the Brahmins. This is the shortest day, and is, at London, 7h. 44m. 17s.; allowing 9m. 5s. for refraction. There has been a handsome Cathedral erected recently by the Portuguese over the alleged grave of this saint, at Mylapore, in the Madras Presidency.

25TH—CHRISTMAS DAY.

The feast of our Saviour's Nativity is named *Christmas-Day*, from the Latin *Christi Misa*, the Mass of Christ, and thence the Roman Catholic Liturgy is termed their *Missa*, or *Mass Book*. In the primitive Church this day was always preceded by an eve or vigil. When the decoration of the eve was completed, our forefathers used to light up candles of an uncommon size, which were called Christmas candles, and to lay a log of wood upon the fire, called the *guile-log* or *log*.

The *turkey* is now the appropriate dish, at the tables of the opulent on Christmas Day. Gay, in his Fable of the "Turkey and Ant," makes the old turkey say—

But men, curst men, on turkey preys,
And Christmas shortens all our days.
Sometimes with oysters we combine,
Sometimes assist the savoury chine.

Norfolk being the great place for rearing turkeys, the stage coaches from Norwich to London, for some days previous to Christmas Day, take no human passengers, but turkeys only.

When rosemary and bays, the poet's crown,
Are hawled in frequent cries through all the town,
Then judge the festival of Christmas near,
Christmas, the joyous period of the year!
Now with bright holly all the temples strew,
With laurel green, and sacred MYSTLETOE.—GAY.

26TH—SAINT STEPHEN.

Stephen was the first deacon chosen by the Apostles. He was cited by the Sanhedrin or Jewish Council, for prophesying the fall of the Jewish Temple and economy; and while vindicating his doctrine by several passages of the Old Testament, he was violently carried out of the city, and stoned to death, in the year 33.

28TH—INNOCENTS.

The slaughter of the Jewish children, by Herod, is commemorated on this day. The festival is very ancient, for Tertullian and Saint Cyprian call these Innocents martyrs, and Prudentius has written a hymn upon the subject. *Childermas* day is another name for this feast. The lower orders think that every thing done on this day must go wrong. John Moody in Vambrough's play of the 'Provoked Husband,' imputes all the evils which befall the wrong-head family on their journey to London, to their setting out on Childermas day: *But my lady was in such main haste to be here, that set out she would, that I told her it was Childermas day!*

31st—SAINT SILVESTER.

He was Bishop of Rome, and succeeded Miltiades in the papacy in 314. Silvester is accounted the author of several rites and ceremonies of the Romish Church, as asylums, unctious, pallis, corporals, mitres, &c. He died in 334.

NATIVE FESTIVALS, FEASTS, AND OBSERVANCES.

HINDU FESTIVALS, &c.

The Hindu festivals are so numerous, and the observances of them are so intricate, that it is often bewildering to endeavour to describe them. The writers of the Hindu legends have set such enormous merit on the observances of each of them, as to surpass all human comprehension, and unhesitatingly say that those observances themselves will secure heaven.

PONGAL PANDAGAI.—On this day (6th of Paus Vady) the sun enters the sign of "Makara"—a monster having the head and four legs of an antelope, and the body and tail of a fish corresponding to Capricorn. It occurs on the 1st of the solar month Magh. Great rejoicings are held among the Hindus, but particularly among the Brahmans, on the feast of Makar Sankranti. From this day, when the sun reaches the most southern, till the time of his arriving at the most northern point of the Zodiac, is called Uttarayana, and the time from his leaving the northern sign "Karka" or Cancer till he again returns to Makar is called Dakshinayana. The days of Uttarayana are reckoned lucky, and those of Dakshinayana unlucky. During the days of Dakshinayana, it is said, the gates of heaven are shut, and in the Uttarayana they are open. For the good to die in the Uttarayana is considered more blessed, because they are said to get immediate entrance into heaven, but if they die in the Dakshinayana, they have to wait outside the gates till the Uttarayana sets in. In Uttarayana Mani—the ceremony of investing youths with the sacred triple thread—and marriages are celebrated. On the day of Makar Sankranti, just at the time of the sun's entrance into the sign, the Hindus go to the sea, accompanied by a Brahmin priest, to bathe; there they rub their bodies with tila or sesamum seed, the favourite grain of the sun, and wash themselves in the manner prescribed in the Shastras. The Brahmin then repeats certain incantations suited to the occasion, and closes the ceremony by receiving adoration and a present of money for himself. On their return home they invite Brahmans, present them with cups of bell metal filled with tila seed, and with money, according to the ability of the Yajaman or worshipper; some present copper pots, new dhottars, umbrellas, &c., and the whole family receives benediction from them which is done by the Brahmans repeating certain words, and throwing on their heads a few grains of red-coloured rice. After the performance of this ceremony, they go to take their meals, which consist of sweetmeats. They invite their friends and relations to dinner; and towards evening they wear new clothes, gold and other ornaments, and frequent the houses of their friends and relations, distributing tila seed mixed with sugar. At the time of putting the tila into the parties' hands they repeat these words: "Receive these tila seeds mixed with sugar, and be friendly with me throughout the year." All the praise and prayers offered this day are to the sun, and to no other god. The second day of Sankranti is named Kar, and is generally celebrated by the women making small presents among those of their own sex.

RATHASATTAMI (from *Ratha*, a car; and *Saptami*, 7th day of the month) is the 7th of Magha Shuddh, and is dedicated to the worship of the sun. This day is the beginning of the Marvatar, or period embracing the Reign of Manu, of which fourteen govern in succession during each *Kalpa*, or grand period of creation and destruction. The present age is the 14th Marvatar of this Kalpa; and at the commencement of this period a new sun is supposed to have mounted his chariot.

MAHA SHIVARATRI.—A celebrated festival in honour of Shiva, held on the 14th of the Krishna-paksh of Magha, during which the Linga or Phallus is worshipped. Vady Chaturdashi, or the 29th of every month, is kept sacred by the votaries of Shiva, and especially by women, but Magh Vady Chaturdashi has obtained the peculiar epithet of Shivaratri, or the great night of Shiva. The Hindu legends account for its celebrity among the rest of Shivaratri on the following manner:—In time immemorial, an archer of wicked and licentious habits went into a forest on this day to shoot deer. He spent the day in pursuit of game, but, on a sudden, night came on, and he was left at the mercy of the wild beasts. When he found himself in such a condition, he had recourse to a Bel or Bilva tree to secure himself from their attack. Having got into the tree, by way of relaxation, or to get a clearer view, he broke off all the branches that hung around and above his head, and hung them down; the twigs fell on a Linga of Shiva near the foot of the tree, and Shiva was so pleased and excited by the accidental worship, that he forthwith sent a vision or heavenly chariot, and took the hunter into Kailas, his own abode, with exclamations of joy. To commemorate the entrance of this archer into Kailas, the Hindus observe a fast this day and worship Shiva in hopes of obtaining a like reward. His votaries fast and at night repair to the temples of Shiva accompanied by a Brahmin priest, who performs puja by repeating incantations; first he pours water over the Linga and washes it, and then he decorates it with choice flowers. When this is done, the priest takes his sacred book wherein Shiva's thousand different names are written, and reads the names, and the Yajaman—the worshipper—fixes a leaf of the Bilva or Bel over the top of the Linga at each name. This kind of puja is performed four different times, and thus no sleep is obtained throughout the night. This is styled the puja of the four Prayers or watches. It commences about 8 P.M. and ends at 5 A.M. The pagodas of Shiva are thronged by devotees. Some persons engage twelve Brahmans, others four, &c., according to the abilities of the Yajaman, to perform the puja. The Brahmans must be liberally paid for their labours.

HOLI PANDAGAI (Sanskrit—*HOLIKA* or *PHALGUNOTSAVA*).—This most popular festival, called also *Dola* or *Dolayatra*, or the swinging festival, is supposed by Sir W. Jones to relate to the vernal equinox, and to be similar to the Persian Naoroz. It commences fifteen days before the full moon of Phalgun, and its ceremonies are chiefly attended to in Konkan from Phalgun Shuddh 12 to Vady 1, and in Desh from Phalgun 15 to Vady 5. It is held in honour of Krishna's sportive swinging. It is kept as a complete saturnalia. Red powders are daubed upon the image of the god, and thrown and squirted by his worshippers on each other, while females are insulted by exclamations and jests of the most ribald and impure description; persons are sent on bootless errands; and the dance of drunken devotees in evanescentation of Krishna dancing with the Gopis, or female cowherds, crowns the scene. The whirling cake which is placed on the pile lighted in every village at the close of the festival, on the 15th of Phalgun Shuddh, is called *Holi*, and the right of first offering it is considered as an honorary privilege. Neither the origin of the festival, nor the obscene manner in which it is observed in Western India, can be described. Nor is the observance of it confined to the lower classes of the native community—the highest join in it with the same zest as the lowest. This festival nominally continues from the new to the full moon; but only a few of the last days are practically and openly devoted to it. From one of the names of the month in which it occurs it is often called *Shringa*.

HINDU NEW YEAR.—The Hindu's astronomical year is sidereal. It is called *Sankranti-rashi*—the first day of the year or the *Fish-chaturdashi*—the equinoctial point of Aries, into which the sun enters at the vernal equinox. This event generally falls on the 12th April and is considered by the Hindu a *punya-kala*—holy occasion. So on New Year's Day the Manes and Gods are propitiated by offerings of *tarpana*—oblations of water—and other allied ceremonies. In other respects, New Year's Day is a day of feasting.

Though thus the astronomical Hindu year falls on the 12th April, New Year's Day is observed on different days by different sects of Hindus, according as they happen to follow the lunar, the luni-solar or solar calendar. The Tamils follow the solar, and their year is thus the sidereal year. The Telugu and Canarese follow the *Chandramana* reckoning, and their year is luni-solar, which begins earlier than 12th April. The Malayalis follow the middle of September, when the sun enters the autumnal equinox.

On New Year's Day the elderly people—males and females—take a sacred bath in holy rivers or the sea, whichever happens to be nearest. The males propitiate the Manes and attend the god in it is worshipped. In some families children and other members receive new cloths. A sumptuous meal is cooked in every house and poor relations are

always cordially invited to the feast. At evening time the *Panchanga* or the *Calendar* of the New Year is read out and expounded by a holy Brahmin. Several people assemble to listen to this exposition. At the end of this ceremony, *atlas*, *panchopari*, and dessert are distributed. Sometimes a short entertainment of music is also added to this ceremony. The whole day is spent more or less in mirth and festivity and a light supper closes the day's proceedings.

In Malabar, the New Year's Day's festivities are observed on a very grand scale. On New Year's eve all the gold coins available in the house, all gold jewels, all kinds of auspicious fruits and flowers and everything considered to be good to look at are placed in the room set apart for the worship of the family god. The *Karnavata*, who is the head of the family, first opens this room between 4 and 5 on New Year's morn and worships with a lighted lamp in his hand all these articles. Then every member of the house goes after the other goes to the front of the room with his or her eyes shut and opens them when arrived at the proper spot to take a sight of the auspicious articles collected. The *Karnavata*—head of the family—presents each with something or other,—coins, jewels, flowers, fruits, etc. This is the chief difference between the Malayalis and other Hindus as regards the observance of New Year's festivities. And every Hindu takes care to select auspicious sight on the New Year's morn, whether he is a Malayali or other Hindu.

SRI RAMA NAVAMI from *Ram*, the 7th incarnation of Vishnu, and *Navami*, the 9th day of Chaitra Shuddhi. On this day, it is said, Ramachandra, the 7th incarnation of Vishnu, was born at Ayodhya or Oudh about B.C. 1400. It is celebrated from the 1st of Chaitra Shuddhi to the 9th. The object of the incarnation, it is said, was to effect the destruction of Ravana, the ten-headed tyrant of Lanka or Ceylon, which was at last done with the assistance of Hanuman, the chief of the monkey tribe. On the first day, the temples of Rama are white-washed, and illuminated in the evening and the image of Rama adorned with costly ornaments. In the evening the "*Ramayanam*," or legendary history of Rama, is read in the temples, and in the night "*Kirtan*" is preached by the "*Haridas*," who describes the so-called morality and heroic actions of Rama. The red powder called *jwal* (composed of barley meal or rice paste, or the *Tripa natana*, dried with *labana* or soap wood) is thrown about. Nautches are not omitted during the nights. In some temples Brahmins are fed with rich and substantial dinners for eight successive days; these days are called *Rama Navaratri*, or nine nights of Rama. Many Hindus, both male and female, go to the temples of Rama to hear the *Kirtan* and *Purana*. The last or principal day is *Ramanavami*, when, it is said, Rama became incarnate at noon. In honour of this incarnation, some Hindus fast the whole day. They get up in the morning, wash themselves, and put on rich clothes and ornaments, and repair to the temples of Rama at about nine o'clock. Every temple of Rama is well furnished on this day, and the images are decorated with precious ornaments and rich brocade. A *Haridas* is engaged to describe the birth and circumstances that attend his incarnation. He continues his discourse till twelve o'clock, when he brings a small image of Rama nicely ornamented and well clad, and shows it to his audience, telling them that it is Rama who became incarnate; he then puts it into a small cradle prepared for the purpose. The assembly then throw themselves prostrate before the image and worship it. Great is the rejoicing and acclamation on this occasion; they fling mud on each other, and with great mirth, at about one o'clock, they go home, to return to the temples in the evening. The feast of *Ramanavami* is more particularly observed by the votaries of Vishnu.

NAGA PANCHAMI is sacred to certain demi-gods called *Nagas*, in the form of serpents, and is celebrated on the 5th of Shravan Shuddhi. Ceremonies are performed on this day to ensure protection against the bites of snakes. The serpent *Kali*, said to have been slain by Krishna, is worshipped at the festival.

GOKUL ASTAMI (from the *Janna* birth, and *Astami*, 8th day of the dark-half of *SHRAVAN*).—Instituted in commemoration of the birth of Krishna as the son of Vasudeva, which is said to have taken place at midnight in the city of Mathura, on the 8th of Shravan Krishna paksha. Krishna is reckoned the 8th incarnation of Vishnu, in which, according to a large sect of Hindus, was manifested a greater portion of divinity than in any of the preceding ones. His mother's uncle, Kams, king of Mathura, who, it was predicted by Narada, would be slain by one of his own family, endeavoured to ensure the destruction of the infant god by placing guards over his pregnant niece, Devaki; but the child was preserved from this and other attempts of his relations, who had given directions for slaughtering all newly-born infants. This holiday is considered one of the greatest among the Hindus, and is observed by almost all the community: there are two sects among the followers of Krishna, and they solemnise the facts on different days. Those belonging to the one keep the eight days of the dark moon and those belonging to the other the day following—being the one on which he was removed to the house of Nanda, the cowherd, in Gokul or Vraja, from fear of his maternal uncle, who sought his destruction; and some even keep both days. The former fast on the day of *Janna* Astami and the latter on the day of *Gokul* Astami. Whichever day is kept, they fast the whole day, that is, abstain from their usual food, but they may eat *Phalshar* consisting of fruits and certain kinds of grain—rice and other grain being prohibited on this day. At night they bathe and worship an image of the infant Krishna, adorning it with *tulsi* or basil (*Ocimum sanctum*), a favourite plant of Vishnu, and other flowers, in the manner enjoined in the *Shastras*; and

after midnight they eat their food. Next day a Brahmin is called in to perform the *pooja*, and afterwards he himself is worshipped and sent away loaded with *dakshana* and other presents. The holiday is thus observed among the people of the higher castes. On the day of *Gokul* Astami gavalis (or keepers of cattle) hold a great jubilee among themselves as Krishna is said to have been bred up among their race. They join themselves into a company, and frequent the houses of the people who follow their profession, holding each other's hands and dancing in the street, and repeating the word "*Govinda*," "*Govinda*," when they are honoured either by throwing turds over them or presenting them with curd. These people are *Gavalis*—protectors of cows. On the night of *Janna* Astami crowds of people, generally of the lower ranks, flock to the temple of *Kandhoba*, which is commonly known by the name of *Marthi*. There they hear native music, and continue shouting and making great noise. The *Bhagat* of *Kandhoba*, or the head of the temple, who is very often of the *Shudra* caste, and who is considered a supernatural being, at least at the time, with great solemnity and grave countenance, makes his way through the assembly accompanied by the playing of tom-toms and exclamations of joy from his disciples, and standing before the shrine of *Kandhoba*, offers prayers to the idol, which is richly decorated on the occasion. He is at first calm, but shortly affects to show signs of inspiration by the god. He begins to untie his *shawl*, or the tuft of hair on the crown of his head, and then slowly shakes his limbs. By degrees his whole frame quivers, and he throws his body into violent contortions, dancing and muttering strange, ambiguous, and wild sounds. He then takes his scourge, which is kept near the shrine, and scourges himself as if he were insane, and performs many other equally strange actions. No sooner does the assembly around see him thus, than, believing that the spirit of the god has entered into him, they burn incense before him and fall prostrate, and cry to him to be merciful to them. When he has received divine homage, he quietly takes his seat, but does not cease quaking and trembling. His disciples, who are always near him, then commence one after another to shake themselves and dance in the same way, and the spirit of the god is believed to enter them also. This day the great *Bhagat* can create new disciples, and give them the power of bringing the spirit of the god into their bodies. Sick persons, persons supposed to be possessed of devils, children, &c., are brought to the temple to receive the benediction of the *Bhagat* and his disciples; he rubs ashes on their foreheads, passes his hand over their heads, and gives them full assurance of speedy recovery from their sickness without any medicine. The poor patient with full confidence returns home, expecting the fulfilment of the *Bhagat's* promise. The *Bhagat* receives large presents on this occasion from his followers. He is held in great respect among the orthodox Hindus, and even among the people of other tribes. On the following morning the *Bhagat* collects his disciples in front of the temples, and orders a sufficient quantity of curds to be thrown over their heads to wet their whole bodies; then they all begin to dance in company, holding each other's hands, and occasionally throwing themselves on the ground and besmearing their bodies with mud, shouting as loud as they can. The *Bhagat*, in the meantime, with a scourge in his hand and with all pretended dignity, stands in the midst, and, looking in all directions with feigned solemnity, lifts up his scourge, and putting it round the neck of one of his disciples as a token of his regard, draws him towards himself, when the disciple trembles a little and then stands still, stretching his hands towards the sky, with his eyes closed. No sooner does he do so, than the *Bhagat* scourges him two or three times so adroitly that it gives him no pain, while to the eye of the spectator it appears a prodigy that he does not feel it. This is repeated with the whole body of his disciples, and when he ceases, sweetmeats are distributed among them and to the spectators. This terminates the feast of *Gokul* Astami among the people of the *Shudra* caste.

PILLAYAR CHAVITHI.—On this day was born Gampathi, or Ganesha, who is regarded as the God of Wisdom, who removes obstacles, and is invoked at the commencement of all undertakings. The manner of his birth is differently told. One story relates that as the god *Kritikavira* was created by Shiva without conjugal assistance, in like manner Ganesha was formed by his consort *Parvati* from the turmeric and oil scraped from her body while bathing. The loss of his human head and the substitution of that of a female elephant with one tusk are also variously explained. By some, his head is said to have been cut off by Shiva when he endeavoured to prevent the god from entering the chamber of *Parvati* when performing her ablutions. According to others, it was reduced to ashes by a glance from the eyes of Shani, when all the gods went to look at the newly-born child, and its place supplied by that of the animal first found, which happened to be an elephant. Clay images of this deity are formed, and after having been worshipped, mostly for two days, or for nine or ten days, are thrown into the water. The *Chinchiwad* (properly *Devai*) *man-god*, who resides at the village of that name near Poona, is supposed to be an incarnation of this god, who granted to a holy Ganesha or ascetic, named *Moroba*, who lived in the time of *Sivaji*, and had won his favour, that he would continue in human shape in his family for seven generations; and though *Dharmadhar*, the seventh in descent from *Moroba*, died without issue, the deity is perpetuated by the Brahmins from self-interest. It is commonly said among the Hindus that the *Shastras* enjoin on its followers the worship of *Murtika* (earth) in the following forms three times a year. The first of them is *Narpan-chami*, on which day a snake of clay is made and worshipped; the second is *Gokul* Astami, when a clay image of the infant Krishna is made and worshipped; and the third and

last is Ganesha Chaturthi, on which day a clay image of Ganesha is worshipped. This being the last day of the worship of Murtika, it is observed with greater pomp and more ceremonies, conviviality and music than the other two. The image worshipped on this occasion has four hands and an elephant's head. The mouse, being Ganesha's favourite vehicle, is sometimes placed beside his image, richly saddled and bridled. The image of Ganesha is either made in the house or purchased from an artist; it is gilt with the finest gold, and painted with superior and variegated colours; and much labour and ingenuity are bestowed on it by some to render it elegant and attractive, according to the taste and pecuniary means of the worshipper. The 14th of Bhādrapad Śukla is the period appointed for the celebration of this feast in honour of his birth. On the previous day the worshipper cleans and white-washes his house, and furnishes it with all sorts of costly furniture that he can procure. The profusion of light is the first thing that would attract the eye. On the following morning, i.e., on the day of Ganesha Chaturthi, they bring the image home (if it is bought) with great display accompanied by native music, and with all the honours of a god. A place where his godship is to be seated is prepared, either in the form of a covered shrine or open space, which is adorned with fruits and flowers strewed round it, and bays and trees hung over it in clusters, after which commences the business of the officiating priest. He sits near the master of the house and begins consecrating the idol by reciting incantations or mantras from his book, and throwing over it red-coloured rice. After performing many consecrative ceremonies, he pretends to bring the god into the image. Being installed, the devotees place before him *Nāricya* (fool), which consists of sweetmeats, and invokes the god to partake of the offering. Afterwards he falls before him and prays him to be gracious to him and his family. By the generality of the people Ganesha is kept one day and a half; but by some five or ten days, according to the wealth and wish of the proprietor. A discourse is delivered in commemoration of his exploits by a *Hārīdas* in his presence, at which friends and relatives are invited to attend. A large party of Brahmins are entertained at a sumptuous dinner in honour of Ganesha, and then dismissed with the usual *dakshina*. On the last day preparations for his departure are made. Evening is the time appointed for parting, when the master of the house performs *Uttarpuja* through the priests, who take away the pretended divinity with which the image was invested by repeating certain mantras. Flowers, fruits, and sweetmeats are offered to the idol; wicks, that is, lighted wicks, are moved before him, accompanied with music and hymns, and he is invoked to bless the owner of his family and remove any calamity that may befall them throughout the year. Afterwards the Brahmins are presented with *dakshina* and the image is seated in a palanquin or ark expressly made for the purpose, adorned with fresh flowers, and carried to the sea or a tank in procession, which consists of the master of the house, his children, and relatives, attired for the occasion. When they reach the place, they take out the image and commit it to the water, with expressions of grief for its absence till the next year. There is a legend that one day Ganesha while riding on his favourite mouse, had a fall, at which the mouse laughed. Enraged at such an insult, the god of pride cursed the moon and all who should look at her; but afterwards amended this matter by restricting any from looking at her on his birthday. Thus, on the day of Ganesha Chaturthi the Hindus are prohibited by the *Smātras* from looking at the moon, and are afraid to look at it this evening lest they should incur any calamity during the year; and if by any accident they happen to see it, they try to provoke their neighbours to revile them, and comfort themselves with the idea that the calamities incurred will be all comprehended in the abuse, and removed by it.

ANANTA CHATURDASHI is kept on the 14th of Bhādrapad Śukla in honour of the god Ananta. An *Anant Dora*, as it is called, made of gold lace and silk so formed as to be tied round the elbow, is bought and worshipped. This day is not much observed.

AYUDHA PUJA (ten days).—This festival is held on the 10th of Āshvīn-Śukla. It is called *Durga Puja* or *Durgotsava*, and is supposed to relate to the autumnal equinox. On this day, in commemoration of the victory of Devi, the wife of Shiva, over the buffalo-headed demon *Mahishasura*, her image, after having been worshipped for nine days, is thrown into the water. On this day also Rama marched against Ravana, the demon-king of Ceylon, on which account the Marathas seem to have selected this a proper period for commencing their plundering excursions. Early in the morning the Hindus, having washed themselves, perform the *pūja* of their household gods in conjunction with that of all their spiritual grantees or religious books, *Mantras* and *Kāshtriyas*, or those who consider themselves of the military race, worship the implements of war, and ask protection of them throughout the year, under a conception that to the propitiousness of the sword they owe every prosperity. At noon they take dinner in company with their relatives. In the afternoon they go to the temples in procession with friends, relatives and children. At Bombay, *Manibadevi* and *Bhulochwar* are the principal shrines. Both of these places are thronged by Hindus, bearing each in his hand flowers and a branch of the *Anta* or *Palus* tree (*Butea frondosa*), which is regarded as representing *raja* (gold) and is held highly sacred and indispensable in commemorating this day. On entering the temple, they offer the *sona* and flowers to the image, accompanied with a prayer. They also give *dakshina* to the Brahmins. On returning home they visit their

friends and relatives, present them with a lent or two of the imaginary gold, concluding with an embrace, and receive similar treatment in return. The vicinity or front of the temple is surrounded by the vendors of *sona*, who arrange themselves with baskets full of branches in bundles. At night an illumination is made. This day is considered by the Hindus most auspicious for sending their children to school. The nine preceding days of the *Dasara* are called *navaratra*, a compound word for 'nine nights.' During these days the devotees of Durga engage a Brahmin to read hymns before her image, in which her exploits are extolled and her rewards to her votaries described. On the ninth day at every temple of Durga, *Karna* or sacred fire is created, and fed with rice and clarified butter and adored by repeating certain mantras. It is customary among the *Bania* women to keep up a dance during these nine nights, called *Garia*, which is accompanied with religious songs. The celebration of the *Dasara* is also said to owe its traditional origin to the *Pandavas*, the five sons of *Pandu* having selected this day, after completing their exile of twelve years, as an auspicious one for making preparations for the tremendous war with their paternal cousins, the *Karnavas*, of which the *Mahabharata* gives an account, occupying the whole volume. The Hindus decorate their horses with flowers round their necks. It is said that Parth, the most invincible of the five *Pandavas*, who are pre-eminently skilled in the art of chariot fighting and had a peculiar fondness for horses, from their being great auxiliaries in battle, washed his favourite milk-white horses, put garlands of flowers round their necks, and patted them with his own hand in token of fondness and approbation. Owing to this legend, it seems, the decorating of horses with flowers on this day is observed.

DIPYALI (*Dipa*, a lamp, and *Arati*, a row, "the feast of lamps," is a festival on the new moon of *Kartik*, celebrated in honour of the goddess *Kali*, or *Bauwani*, who was formerly propitiated by human sacrifices, and of *Vishnu's* victory over the demon *Naraka*. The festival, however, seems to be more peculiarly consecrated to *Lakshmi*, or the goddess of prosperity. The feast begins on the 13th day of *Āshvīn* *Vad*, termed *Dhanatrayodashi* (from *Dhan*, wealth; *Trayodashi*, 14th), and sarkars now grant their stores and perform *pūja* to their wealth. It is celebrated for a period of five days, during which houses are cleaned, whitewashed, and illuminated; a quadrangular floor called *Ranguli* is made in front of the house and painted with different coloured powders. Gambling is vigorously carried on, and is the chief recreation of the feast. All the treasure in the house is collected and worshipped under the name of *Lakshmi*, the goddess of wealth; a light is made and dedicated to *Yama*, the god of the infernal regions; and every preparation made for the succeeding morning. Fireworks, crackers, sporters, &c., are displayed. The 14th is *Narak Chaturdashi* (*Narak*: *Chaturdashi*, 14th), on which *Vishnu* is said to have killed *Narakasura*, a giant, and entered his city early in the morning, when the people illuminated the city and received him with great joy and acclamation; and the women, having adorned themselves, went before him with lighted lamps. The Hindus keep this day to commemorate this great conquest. They get up early in the morning, fill the house with lights, rub their bodies with perfumed ointment, and bathe themselves with hot water. No member of the family is left unadorned, new clothes and ornaments are put on, and the children are decorated. This done, the mistress of the house performs a sort of ceremony called *Arati*, placing wicks either in silver or brass dishes, symbolical of the removal of all their difficulties, and of a happy year, when each male member makes her a present of money. Sweetmeats are distributed and friends are invited to dinner. The 30th *Anavasya*, or the last day of the moon, is the day of *Sarasvati*, the goddess of learning, the same as *Lakshmi*, the goddess of wealth. It is known by the name of *Vahigalax*, or the worship of the shop records. This day the *Vikramaditya* *Samvat* year ends. All the merchants close their accounts this evening. New journals, ledgers, and day-books are brought and worshipped through a Brahmin priest; new entries are made in the account-books; writers are sent to different shops with money to credit in their names on this auspicious evening; *Sarasvati* is invoked to render the following year prosperous, and to be with them throughout it; then the Brahmins are sufficiently paid for their labours, and the servants receive a present of money according to their rank. This day is celebrated by all classes of people—*Banians*, *Parais*, *Muham-*

VISHNU DEEPEM is the full moon of the month of *Kartik*. On the fifteenth of this month as well as of *Magh*, *Āshadh*, and *Vaishakh*, which days are called "*Dhanumasya* *Karu*," gifts to Brahmins are considered indispensably necessary. Shiva is said to have gained his victory at this season over the monster "*Tripanasura*," the demon of the three cities. The demon is said to have become so powerful that he defeated almost all the gods and drove them out of their habitations, when they went to *Kailas*, the abode of *Shiva*, and represented to him their grievances. *Shiva* assured them that the evil would soon be removed, and sent them back to their homes. He made a car of the earth, the *Himalays* formed his bow, and *Walsuhl*, the king-serpent, his bow-string; *Vishnu* himself became his quiver. Thus equipped, *Shiva* rode out, and, after a struggle, destroyed the mighty giant. To perpetuate the memory of this event, the Hindu women get up in the morning about two o'clock, wash themselves in cold water, repair to the temple of *Shiva*, and worship his image. Afterwards they return home and present a Brahmin with a

lighted lamp, made either of silver, copper, or brass, according to their ability, along with some fruits and *dakshina*—a present in hard cash; this is called *Dipdan*, or present of a lamp. In the evening an illumination is made in the temples of Shiva, and a pillar of stone is built in front of each of them for this special occasion. A great fair is held in Bombay at *Waijeshwar*, and kept up for three days. The Hindus, both rich and poor, Brahmans and Sudras, go there to worship the image of Shiva, and buy sweetmeats and toys for their children. Some of the wealthy Hindus remain there with their families for three or four days in the *Dharmasalas* or *luns* built by them; but the poor return the same evening. During these days hundreds of rupees are uselessly spent in living conjurances and purchasing sweetmeats and toys.

HINDU BIRTH CEREMONIES.

Different ceremonies are prescribed by the *Shastras* to be observed at the period of conception and in the different stages of pregnancy. "Jat-Karma" is to be performed at the birth of the infant, and consists in giving it a drop of honey out of a golden spoon before dividing the navel of string. When a father first sees his son, he is required to take a piece of gold in his hand, offer a sacrifice to Brahma, and smear the forehead of the child with *ghee* left on his fingers on finishing the sacrifice. A string of seven or nine threads and five blades of *Darbh* grass is to be bound by the father round the child's wrist. Other rites are to be observed on naming the child twelve days after birth—on bringing him outside of the house when three months old—on feeding him with the hand at six months—and, if a male, on shaving his head at the age of three years.

HINDU MARRIAGE CEREMONIES.

Among the Brahmans the male may be married at any time after the "Munja" or investiture with the sacred thread, which is done within the age of eight years, and among the other two castes, Kshatriyas and Vaishyas within the age of sixteen. The female should not be ten years old, and her age must be less than that of her husband; and she should be married before the appearance of the signs of puberty. The *Shastras* mention eight kinds of marriage, but only one is observed by the higher castes, named "Brahma," when the charges are severally incurred by the fathers of the parties. The principal marriage ceremonies among the Brahmans are *Vag-dan* or betrothal; the *agnipariksha*, or writing, by the *Joshi* or astrologer, of the names of the parties, and the day and hour at which the wedding is to take place; the *saptapadi*, or walking round a fire three times, taking at each time seven steps, and tying together the garments of the parties, and the "hom," or burnt-offering, after which the contract is indissoluble. The girl is given away by her father in his own house, in which it is usual to remain till the appearance of the signs of puberty, after which she proceeds to the residence of her father-in-law, where her husband also resides, or to that of the latter, should it be otherwise. Particular months and junctions of the planets are prescribed for the celebration of marriages in different castes; also the same castes in different provinces have their peculiar ceremonies. *Phalashobhana* is the performance of ceremonies of the occurrence of the first monstrous symptoms.

HINDU DEATH CEREMONIES.

On the death of a man the performance of his funeral obsequies (*Kriyas*) and of the monthly and annual purification ceremonies devolves on his heir. The principal times for performing "Shradh" are eleven days after death; secondly, every month; and thirdly, on the anniversary of the death. Brahmans are only unclean for ten days after the death of a relation, the military class for twelve, the mercantile for fifteen, but Sudras for thirty. Among the Hindus generally the body of the deceased is burnt, but that of an infant under two years of age is buried. The "Shradh" consists in the offering of rice, flowers, water, &c., to the deceased and to his manes, in order to enable his soul to ascend to the heaven of the *Pitras*, or great progenitors of the human race.

MUHAMMADAN FESTIVALS, &c.

MIRAJ-I-MUHAMMAD.—In commemoration of the alleged ascension of Muhammad, when the angel Gabriel mounted him on Buraq and conveyed him to heaven. The ascent is referred to in the 17th *Sura* of the Koran. It is held on the 26th of Rajab, though *Katib-ul-Wakil* says the Miraj happened on the 15th *Ramazan*.

SHAWI BARAT, or 'Night of Record,' is one of the three lesser *'Id's*, and is held on the 15th *Shaban*, when they say the actions of men for the ensuing year are recorded. It is passed in mirth with illuminations and fireworks. The whole night should be spent in reading the Koran and a fast observed next day.

RAMAZAN-UL-ROZAH.—This Muhammadan fast commences from the morning after the new moon of *Ramazan* is first observed, and is observed each day throughout the month of this name from 4 A.M. or when the first streak of light borders the eastern horizon, till the stars are clearly discerned in the heavens. During the whole period not the slightest particle of food, not a single drop of water or any other liquid, should pass the lips. Every day during the fast is passed in occasional prayers, besides the usual *namazs*, and in reading the Koran or the lives of the prophets. The fast is first broken by a cooling

draught, called *Dandhi*, the same which is used in fevers. It is composed of the seeds of lettuce, cucumber, and melon with coriander, well pounded, and afterwards diluted with cold rose-water, sugar, syrup of pomegranate, and kurat are also added; the whole preparation is made in the *zanana*, and then drunk by confals by all true *Rozedars*. Plain boiled rice with *dahl* (soy sauce) and sugar forms the first morning's repast of the *'Id*; and dried dates are eaten with it, in remembrance of the prophet's family, whose greatest luxury was supposed to be the dates of Arabia. On the 1st and 2nd the Shi'as celebrate the night of Ali, the nephew and adopted son of Muhammad, who is said to have died on one of the two nights. They perambulate the streets, carrying a *tabut* and beating their breasts. The night of the 3rd is called *Lailat-ul-Kadr*, or 'night of power,' because it is said the Koran descended from heaven on that night. It should be observed as a vigil. On this night the Ghair Mahdis, or the Fashan sect, who assert that the 12th Imam, Mahdi, has come and gone, used to have encounters with the Sunnis and Shi'as, and those killed were supposed to be rewarded as martyrs.

Id-ul-Fitr.—The festival of breaking fast, called also *Karamat Zi'ad*, and "the feast of alms," is celebrated on the first *Shawwal*. On this day Muhammadans are required to bathe, put on new clothes, apply antimony to the eyes, and perfume themselves; then distribute the *fitra* or *saddaka*, which is 2½ *seers* of wheat, dates, or any grain used for food, given to the poor or religious merchants. All then proceed to the *Jamaa*, reciting "God is Great. There is no God but God." The *Mulla* ascends the *minbar* or pulpit, and after a short thanksgiving reads the *Khatba* or Friday sermon. He then descends to the lowest step (which with the Shi'as is the third, but the fourth with the Sunnis) and recounts the virtues of the king, and prays for him. Then a general prayer is made, and the congregation rise with a shout of *Din!*—"Faith!" and fire off muskets. The evening is spent in rejoicing and merriment. In every house the same dainties are provided; every amusement that can be thought of is indulged in; the match women in the apartments of the men, and the *dawans* (a class of singers who exhibit before females only) in those of the women are in great request on the last day of *Ramazan*, when the matron of the mansion sits in state to receive visitors from inferiors to grant favours to others.

BAKR-UL-Id, or Id-ul-Kurban (Ar. *Bakar*, 'a bull,' *Kurban*, 'a sacrifice').—This is a feast held on the 10th *Zil Hijjah*, in honour, it is said, of Abraham's intention to offer up Ismail, who, they aver, was chosen as the offering to the Almighty, and not Ishak, grounding their assertions on traditions which they deem conclusive evidence on the subject. The offering thus made is annually commemorated by the sacrifice of animals, such as camels, cows, sheep, goats, kids, or lambs, according to each person's means, which answer the double purpose of honouring the memory of Abraham and Ismail and as food. The followers of Muhammad believe that the entrance to paradise is guarded by a bridge, *Pu-i-Sirat*, as narrow as a scythe, affording a precarious and unstable footing. To enable them, therefore, to pass without danger, they believe that the animals they have sacrificed at the *'Id* will be present to lend their aid in helping them over with lightning celerity. This festival, called by the Arabs *'Id-ul-Zohra*, 'day of sacrifice,' and the *'Id-ul-Fitr*, are the two great festivals of the Moslems. In A. H. J. Muhammad kept the Ashur or Jewish fast at the Atrament on the 10th day of the 7th month, but next year, his relations with the Jews being altered, he substituted for it the *'Id-ul-Zohra*, grounded on the ceremonies then current at Mekkah, and on the 12th of *Zil Hijjah* he sacrificed two fatted sucking kids with budding horns—the one for his followers and the other for himself and his family (see Leviticus xvi.).

MUHAMMADAN (Ar. *Muhammadiyah*, 'most sacred').—A celebrated mourning held annually in remembrance of the first alleged martyrs of the Shah Muslemans, Hasan and Husain, from whom the whole race of Sayids are descended. Abu Muhammad al Hasan and Husain were the two sons of 'Ali ibn Abi Taleb, the cousin, and Fatimah, the daughter of Muhammad; and after the murder of their father, A. H. 40, at Kufah by the contrivances of the Kaliph Yazid, the son of Mu'awiyeh, they with their families removed from Shaww, or Kufah, the capital of Medina. The elder Husain, voluntarily abdicated to avoid embroiling the State any longer in civil wars; but shortly afterwards he was poisoned by Yazid, the son of Mu'awiyeh, at Medina, A. H. 49. Abu 'Abdullah Mu'awiyeh ibn Abi Sufyan, the first of the Omeyyads, then began to rule, A. D. 661, and was succeeded by his son Yazid (A. D. 679-683); but after several years the people of Shaww, being tired of king Yazid's tyrannical rule, invited Husain to return to the capital and assume his lawful right as Imam (leader of the faithful). Before accepting this invitation, Husain sent Maslam, his cousin, as a messenger, to report the true state of affairs to him; and on Husain's arrival with his two sons at Shaww, he was murdered, with all his retinue, at Kufah, in Turkish Arabia, on the 10th day of the Arab month; Muhammad, A. H. 61 (6th October A. D. 680). Zain-ul-Abidin, the eldest son of Husain, alone escaped. This forms the subject of the ten days' wailing during the Muharram. The Muhammadans are divided into two distinct sects, called the Shi'as and the Sunnis; the former regard Ali and his descendants, Hasan, Husain, Zain-ul-Abidin, Muhammad Bakir, Jafar Sadik, as the lawful leaders after Muhammad; and the latter the Kaliphs, as *Asubakar*, Umar, Osman, 'Ali—hence quarrels, animosities and diatribes are heaped up to be avenged during the Muharram. The festival begins when the new moon of the first month (Muharram) becomes visible. Including the *Ziyarat*, or 'visiting the grave,' it lasts till the 12th; but the fast is only for 10 days, and is hence called *Ashura*, from the Arabs

word signifying ten. Houses are appropriated for the mourning ceremonies and called *Ashur Khana*, "ten-day house,"—*Tazian Khana*, house of lamentation,—and *Astana*, threshold or *father's residence*. The mourning assemblies of the rich are held morning and evening in the *Imambara* during the Muharram, when the head priest or preacher recites a subject for each day's service, from the various books descriptive of the life and sufferings of Hasan and Husain. The *Marsiya*, a poetical composition embracing the whole of the subject commemorated, is chanted; the names of their lawful leaders are recounted with blessings, and that of the usurpers, the *Kalifas*, with curses. *Taziyas* (a term signifying grief, applied to a representation of the mausoleum erected over the remains of Imam Hussain at Karbala) made of ivory, ebony, sandalwood, cedar, and sometimes wrought in silver filigree,—and indeed of every variety of material, from pure silver to lamboo and paper, according to the rank and wealth of the party, are exhibited and conveyed in procession through the streets. The monument the new moon is seen, a spade is struck into the earth; this is called *Kashkarna*, and at this spot a yul is dug two or three days afterwards, in which a bonfire, called *alwani*, is kindled. At night men dance round the fire, fencing with swords and springing through the flames, crying "Ya Ali! Sha Hasan! Sha Husain! Dalia! O bridegroom, &c."

On the night of the 10th a representation of Barak, the horse or rials on which Muhammad is said to have ascended to heaven is brought out. On the 10th the bier, called *taut* or *tautah*, is carried in procession. Before this incense is burnt and other rites are performed. The *taut* is a bier, peculiar to India. They are not built by the inhabitants of Persia or Arabia. Many Muhammadans regard them with strong disapprobation, but in Bombay the larger portion of them unite in building them. These are taken out, and, accompanied with music, carried in procession from midnight of the ninth until three o'clock in the morning of the tenth day, and again from two till six o'clock on the afternoon of the same day, on their way to the beach or truck where the greater number of the *taut*s, after being stripped of whatever is of value, are cast into the water. The Indian Shah Muhammadans, who do not unite in building the *taut*s, are accustomed to go upon this occasion to the mosque for five successive evenings to listen to the account of the death of Husain. On the morning of the 10th of Muharram they resort to the open court of the *Imambara*. A *Mulla* reads the story of the martyrdom, and as he becomes eloquent the auditors beat their bare breasts and weep aloud, every now and then giving utterance to cries or lamentation—"Wail! Wail! Husain kashita abad!" A kind of ring is meanwhile cleared among the devotees for the passage of a procession, and then, amid intense excitement, three horses are led in. Little children, representing the children of Husain, with blood-stained clothes, are mounted on these horses, surrounded by large numbers of mourners, wailing and chanting, and as the procession moves forward headed by six banners—among which is the green standard of Ali—the riders of the horses throw ashes over their heads. A figure borne on a bier, representing the decapitated body of Husain, covered with blood and wounds, is brought in, from which broken arrows stick out, with a white dove hovering above it. The profoundest grief is now exhibited by the mourners. Walking round and round the *taut*, they now and again form circular groups of a dozen or twenty, and bending forwards to the ground, beat their breasts, crying "Wail! Wail! Husain!" Their demonstrations of grief, however, are not equal to those of the Moghuls and Persians, who, while listening to the recital, weep aloud and smite violently their breasts. Some two or three horsemen, bearing flags, enter the large yard adjoining the *Imambara* with loud sallies, and are followed by two horses caparisoned, to represent those which were for the use of the fallen Husain. One person on horseback with a long sword apparently run through his heart and covered with blood joins in the wailings. A female infant in deep mourning, sitting at the door of a small mausoleum, which is carried on the shoulders of men, constantly casts ashes or cut straw upon her head in token of grief. These pass round in a circle, accompanied or followed by a company on foot, who beat upon their breasts, crying "Hai Husain! Hai Husain!" This festival is with the Senians more fierce. Before the martyrdom of Hasan and Husain this fast was observed as a feast, and is still reckoned one of the lesser *Id*s.

AKHUNDI-CHAHAS SHABDAG.—A lesser *Id* or festival held on the last fourth week day, viz., Wednesday of *Safar*, on account of Muhammad having, it is said, recovered a little on this day during his last illness and taken a bath for the last time. It is usual to write out seven benedictions, wash off the writing with the ink is fresh, and drink it. It is proper to bathe, put on new clothes, prepare sweetmeats, walk in gardens, and repeat prayers on this day.

BARI WAJAT (Urdu, *bari*, "great"; *wajat*, "death").—A fast held on the 13th of *Rabi ul Awwal*, in memory of the death of Muhammad, A. H. 11. The *Kadani-rasul* (prophet's foot) the impression of a foot on stone, or the *mu-tubarak* (the sacred hair of Muhammad), is brought forth and honoured. On the nights of the 11th and 12th processions take place.

URS-I-WALI.—A festival in honour of *Kwajah Muin-ud-din Chishti Kadir* or *Wali* is held on the 11th of *Jumad-ul-Awwal*. This Sufi saint was born in Sijistan, A. H. 627, and came to Ajmeer in the reign of Kutub-ud-din I. bak, A. H. 602-607, where he

married the daughter of Sayad Husain Mashhadi, though a Shiah. A magnificent mosque was built by the Emperor Jehangir, A. H. 1027, near his tomb at Ajmeer, where he died A. H. 628. He has also a shrine at Nagar, near Nagapatam. He is held in special reverence by the Moplas.

MUHAMMADAN BIRTH CEREMONIES.

After the 7th month of pregnancy, families that have the means celebrate the *adawat* (seventh month) with great rejoicings, dress the women in new clothes, and deck her with flowers. In the 9th month the *Kafinga* from vat, night, and *jagno*, to watch, is similarly kept. A *Kafur* (dagger), a lemon, and nimbleaves are placed near her head to ward off misfortune, and her drink is boiled water in which a piece of red-hot iron has been plunged. After the birth she is allowed only *achawal* (candle) for the first six days. An iron plate and a broom are placed in a corner of the room as a spell against evil spirits, and if any stranger enters on the 6th and 10th days rice is thrown on the fire to prevent evil. Dogs and cats are carefully kept away, and the latter must not even be named. After swaddling, the summons to prayer must be uttered aloud in the infant's right ear and the Muslim creed in the left. Before it is put to the breast some pious man must dip his finger in honey and put it into the infant's mouth. The mother's relatives and friends go together to the house and place blades of grass in the father's hair, for which he has to make them a present. Until the *chawal* (40th day) the mother is regarded as unclean, and may neither pray, touch the Koran, nor enter the masjid. Certain ceremonies are then performed for her purification, and a sacrifice of two he-goats for a boy or one for a girl is sometimes offered. The child is also shaved, the hair is placed on a raft, a prayer repeated over it in the name of Kadir or Elias, and then launched into the stream. A lock of hair is sometimes allowed to grow in honour of some saint.

MUHAMMADAN MARRIAGE CEREMONIES.

Betrothal takes place at a very early age, and the marriage is celebrated when the bridegroom is 18 and the bride at most 13 or 14. *Mahadudagan*, female emissaries, are employed to report the charms or wealth of certain eligible girls. Astrology is then consulted. The ceremonies of betrothal are such as the distribution of betel-nut leaves, the bridegroom going on horseback with musicians to the house of the bride to offer presents, sending sweet cakes from the bride to the bridegroom, treading the threshold, when the bride's mother gives the bridegroom a gold ring, money and an handkerchief, and tasting salt in the bride's house—previous to which the bridegroom must eat sweet things there. Then follow ceremonies of anointing and bathing, and the preparation of the wedding garments. Among the marriage ceremonies are the conveying of the bridegroom's gifts to the house of the bride, and of the wedding fire to the bridegroom's. Then the bridegroom, fully dressed, rides first to the masjid, and after repeating three prayers there, to the bride's house, where, before he is allowed to enter, he must give presents to her friends. He is carried in by a man, whose advance is resisted till further presents are made. The Kazi or his substitute, after taking two veils from the bridegroom's face, makes him repeat in Arabic certain suras of the Koran, &c. The bridegroom next repeats the marriage contract, and the hand of the bride is joined in his, the Kazi repeating a prayer that the couple thus wedded may be as loving as Adam and Eve, Abraham and Sarah.

MUHAMMADAN DEATH CEREMONIES.

When a Muhammadan is dying, a reader of the Koran is brought to read the *sura*, *ayin* and two creeds. Sweet sherbat is then poured in the throat of the dying person with the belief that it facilitates the exit of the spirit. After death the body is placed in a coffin, and, with parade suited to the rank of the departed, it is carried to the burial ground, where a tent or *tanot* is pitched near the tomb. Here the body is bathed and dried, and powdered camphor rubbed on the hands, feet, knees, and forehead, the parts which daily touch the ground in prayer. The body is then wrapped in a calico winding-sheet, on which certain suras of the Koran have been written. The religious Muslim generally prepares his own sheet in his lifetime, adding passages of the Koran from time to time. The coffin is carried to the grave by the relations, repeating as they go, "There is no God but God, and Muhammad is the prophet of God." The Kazi reads the funeral service for the poor, and the nearest relation or other friend for the wealthy: it consists of four confessions of faith and one benediction. The body is then placed in the grave on its back with the head to the north and the face towards *Makkah* or the west. Each person takes up a little earth, and repeating the 12th sura or the passage—"We created you of earth and return you to earth, and we shall raise you out of the earth on the resurrection day," then puts the earth gently into the grave. The *Fatimah*, "I offer this prayer for such a one," is then said, first for the person just buried and then for all in the graveyard. Then the 1st and 11th suras are recited and alms distributed. On the 3rd day the whole Koran is read through, and on the 10th, 20th, 30th, and 40th days various ceremonies are gone through. *Fatimah* is repeated after every three months for a year.

HINDU CYCLE OF SIXTY YEARS.

KEY TO THE PRONUNCIATION.

a, as in *Ravana*;—d, as in *father*;—t, as in *it*;—p, as in *police*;—u, as in *push*;—v, as in *rude*;—g, as in *beg*;—j, as in *greg*;—ai, as in *aile*;—e, as in *so*;—ou, as in *now*.

No. 1.

	1799-1800	Virodhi	1820-1820
Siddhanti	1800-1	Vikruti	1821-31
Darmati	1801-2	Khara	1822-32
Dundubhi	1802-3	Nandana	1823-33
Rudhrodgari	1803-4	Vijaya	1824-34
Raktakshi	1804-5	Jaya	1825-35
Krodhana	1805-6	Manmat'ha	1826-36
Akshaya	1806-7	Darmakhi	1827-37
Prabhava	1807-8	Hovilambi	1828-38
Vibhava	1808-9	Vilambi	1829-39
Shukla	1809-10	Vikari	1830-40
Pramodhita	1810-11	Shirvari	1831-41
Prajotpati	1811-12	Phaya	1832-42
A'ngirasa	1812-13	Shubhadrata	1833-43
Srimukha	1813-14	Shobhadrata	1834-44
Bhava	1814-15	Krodhi	1835-45
Yuv	1815-16	Vishwavan	1836-46
Dhuta	1816-17	Parbhava	1837-47
Ishwari	1817-18	Pharanga	1838-48
Bahudhanya	1818-19	Khaka	1839-49
Pramadi	1819-20	Samya	1840-50
Vikrama	1820-21	Sadhana	1841-51
Vishu	1821-22	Virodhikruti	1842-52
Chitrabhadra	1822-23	Paridhavi	1843-53
Swadhana	1823-24	Pramadila	1844-54
Tigraha	1824-25	A'nanda	1845-55
Parbhava	1825-26	Rakshasa	1846-56
Vyaya	1826-27	Nala	1847-57
Sarajitu	1827-28	Paingala	1848-58
Sarvadhari	1828-29	Kalyukti	1849-59

No. 2.

	1850-1850	Virodhi	1880-1880
Siddhanti	1850-61	Vikruti	1880-91
Darmati	1851-62	Khara	1881-92
Dundubhi	1852-63	Nandana	1882-93
Rudhrodgari	1853-64	Vijaya	1883-94
Raktakshi	1854-65	Jaya	1884-95
Krodhana	1855-66	Manmat'ha	1885-96
Akshaya	1856-67	Darmakhi	1886-97
Prabhava	1857-68	Hovilambi	1887-98
Vibhava	1858-69	Vilambi	1888-99
Shukla	1859-70	Vikari	1889-1900
Pramodhita	1870-71	Shirvari	1900-1
Prajotpati	1871-72	Phaya	1901-2
A'ngirasa	1872-73	Shubhadrata	1902-3
Srimukha	1873-74	Shobhadrata	1903-4
Bhava	1874-75	Krodhi	1904-5
Yuv	1875-76	Vishwavan	1905-6
Dhuta	1876-77	Parbhava	1906-7
Ishwari	1877-78	Pharanga	1907-8
Bahudhanya	1878-79	Khaka	1908-9
Pramadi	1879-80	Samya	1909-10
Vikrama	1880-81	Sadhana	1910-11
Vishu	1881-82	Virodhikruti	1911-12
Chitrabhadra	1882-83	Paridhavi	1912-13
Swadhana	1883-84	Pramadila	1913-14
Tigraha	1884-85	A'nanda	1914-15
Parbhava	1885-86	Rakshasa	1915-16
Vyaya	1886-87	Nala	1916-17
Sarajitu	1887-88	Paingala	1917-18
Sarvadhari	1888-89	Kalyukti	1918-19

RISING AND SETTING OF THE FIVE PRINCIPAL PLANETS
AT MADRAS FOR 1903.

Months and Days.	MERCURY.		VENUS.		MARS.		JUPITER.		SATURN.	
	Rises	Sets	Rises	Sets	Rises	Sets	Rises	Sets	Rises	Sets
	Morn.	After.	Morn.	After.	After.	Morn.	Morn.	After.	Morn.	After.
1903.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Jan. 1	7 34	6 52	6 58	6 18	11 40	11 47	8 58	8 32	7 38	7 2
11	7 37	7 3	7 10	6 34	11 45	11 29	8 26	8 2	7 4	6 28
21	7 39	7 12	7 20	6 50	10 48	10 51	7 53	7 32	6 29	6 55
31	6 38	6 18	7 28	7 4	10 19	10 30	7 25	7 3	5 54	5 20
Feb. 10	5 23	4 53	7 30	7 16	9 44	9 46	6 53	6 33	5 20	4 46
20	4 47	4 17	7 33	7 27	9 7	9 9	6 22	6 4	4 45	4 11
Mar. 2	4 44	4 16	7 34	7 38	8 24	8 27	5 51	5 35	4 7	3 37
12	4 58	4 20	7 34	7 48	7 36	7 41	5 21	5 5	3 34	3 2
22	5 7	4 53	7 36	7 58	6 43	6 51	4 49	4 35	2 58	2 26
April 1	5 23	5 23	7 38	8 10	5 40	5 58	4 18	4 6	2 22	1 50
11	5 51	6 7	7 43	8 23	4 55	5 6	3 45	3 36	1 46	1 14
21	6 13	6 50	7 50	8 36	4 3	4 16	3 13	3 3	1 9	0 37
May 1	6 46	7 32	7 59	8 43	3 16	3 34	2 33	2 28	0 30	Morn.
11	6 56	7 50	8 9	9 3	2 36	2 48	2 8	2 0	After.	11 17
21	6 41	7 33	8 21	9 15	1 19	2 10	1 34	1 28	11 8	10 43
31	5 57	6 41	8 32	9 24	1 27	1 36	0 50	0 53	10 29	10 3
June 10	5 1	5 39	8 43	9 29	0 59	1 4	After.	Morn.	9 49	9 22
20	4 23	4 58	8 51	9 31	0 35	0 37	11 44	11 43	9 9	8 41
30	4 9	4 51	8 56	9 28	Morn.	After.	11 7	11 6	8 27	7 59
July 10	4 27	5 13	8 58	9 22	11 51	11 25	10 23	10 28	7 45	7 17
20	5 11	5 59	8 54	9 13	11 31	11 21	9 49	9 49	7 3	6 35
30	6 5	6 45	8 47	8 57	11 15	10 59	9 8	9 8	6 21	5 53
Aug. 9	6 47	7 15	8 33	8 35	11 0	10 40	8 26	8 27	5 39	5 10
19	7 14	7 30	8 11	8 5	10 46	10 22	7 45	7 42	4 57	4 27
29	7 32	7 34	7 33	7 25	10 33	10 5	7 1	6 58	4 15	3 46
Sept. 8	7 38	7 28	6 42	6 34	10 21	9 40	6 18	6 14	3 34	3 4
18	7 22	7 8	5 42	5 34	10 11	9 35	5 34	5 30	2 53	2 23
28	6 31	6 19	4 41	4 39	10 2	9 24	4 51	4 45	2 13	1 43
Oct. 8	5 13	5 11	3 54	3 55	9 54	9 14	4 8	4 2	1 33	1 3
18	4 39	4 43	3 21	3 29	9 45	9 4	3 26	3 18	0 54	After.
28	4 53	4 47	3 2	3 10	9 42	8 56	2 44	2 38	Morn.	11 46
Nov. 7	5 20	5 2	2 53	2 57	9 35	8 49	2 3	1 57	11 38	11 4
17	5 50	5 29	2 49	2 40	9 28	8 44	1 24	1 18	11 1	10 27
27	6 20	5 40	2 49	2 43	9 20	8 40	0 47	0 40	10 25	9 51
Dec. 7	6 51	6 6	2 51	2 41	9 12	8 34	Morn.	After.	9 49	9 15
17	7 20	6 34	2 58	2 30	9 4	8 30	11 34	11 24	9 13	8 41
27	7 42	7 2	3 6	2 42	8 54	8 24	11 0	10 50	8 35	8 6
31	7 45	7 7	3 10	2 44	8 50	8 22	10 48	10 36	8 24	7 52

TABLE SHOWING THE MEAN TIME OF THE SUN'S CULMINATION AT MADRAS FOR 1903.

DATE	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
1	h. m. s. 12 3 11	h. m. s. 12 13 37	h. m. s. 12 12 45	h. m. s. 12 4 19	h. m. s. 11 57 11	h. m. s. 11 57 25	h. m. s. 12 3 21	h. m. s. 12 6 12	h. m. s. 12 0 19	h. m. s. 11 59 6	h. m. s. 11 43 43	h. m. s. 11 43 42
2	12 3 39	12 13 45	12 12 33	12 4 1	11 57 3	11 57 34	12 3 32	12 6 9	12 0 0	11 59 46	11 43 41	11 49 4
3	12 4 8	12 13 53	12 12 21	12 3 43	11 56 56	11 57 43	12 3 44	12 6 5	11 59 41	11 49 27	11 43 40	11 49 27
4	12 4 36	12 14 0	12 12 9	12 3 25	11 56 49	11 57 52	12 3 55	12 6 1	11 59 23	11 49 8	11 43 40	11 49 50
5	12 4 50	12 14 6	12 11 56	12 3 8	11 56 38	11 58 2	12 4 6	12 6 12	11 59 3	11 48 50	11 43 40	11 50 14
6	12 5 9	12 14 11	12 11 43	12 2 50	11 56 37	11 58 12	12 4 17	12 6 30	11 59 11	11 48 31	11 43 43	11 51 5
7	12 5 57	12 14 16	12 11 30	12 2 33	11 56 32	11 58 23	12 4 27	12 6 44	11 58 23	11 48 14	11 43 43	11 51 5
8	12 6 23	12 14 19	12 11 15	12 2 15	11 56 27	11 58 34	12 4 37	12 6 57	11 58 3	11 47 56	11 43 46	11 51 30
9	12 6 49	12 14 22	12 11 0	12 1 58	11 56 23	11 58 45	12 4 46	12 7 9	11 57 42	11 47 39	11 43 49	11 51 55
10	12 7 14	12 14 24	12 10 45	12 1 41	11 56 20	11 58 56	12 4 55	12 7 22	11 57 22	11 47 22	11 43 54	11 52 22
11	12 7 38	12 14 26	12 10 29	12 1 25	11 56 17	11 59 8	12 5 4	12 7 54	11 57 1	11 47 6	11 43 59	11 52 40
12	12 8 2	12 14 28	12 10 13	12 1 8	11 56 13	11 59 20	12 5 12	12 8 4	11 56 40	11 46 51	11 43 6	11 53 16
13	12 8 26	12 14 25	12 9 57	12 0 52	11 56 13	11 59 32	12 5 20	12 8 55	11 56 19	11 46 36	11 43 12	11 53 44
14	12 8 48	12 14 24	12 9 41	12 0 36	11 56 12	11 59 44	12 5 28	12 9 45	11 55 58	11 46 21	11 43 21	11 54 12
15	12 9 11	12 14 22	12 9 24	12 0 21	11 56 11	11 59 56	12 5 35	12 10 38	11 55 37	11 46 7	11 44 30	11 54 41
16	12 9 32	12 14 19	12 9 7	12 0 6	11 56 11	12 0 9	12 5 41	12 11 1	11 55 16	11 45 53	11 44 40	11 55 10
17	12 9 53	12 14 15	12 8 50	11 59 51	11 56 11	12 0 22	12 5 47	12 11 11	11 54 55	11 45 40	11 44 50	11 55 39
18	12 10 13	12 14 12	12 8 33	11 59 37	11 56 12	12 0 34	12 5 53	12 12 4	11 54 31	11 45 28	11 45 2	11 56 8
19	12 10 33	12 14 7	12 8 15	11 59 23	11 56 14	12 0 47	12 5 58	12 3 46	11 54 12	11 45 16	11 45 14	11 56 38
20	12 10 51	12 14 1	12 7 57	11 59 10	11 56 17	12 1 0	12 6 2	12 3 33	11 53 51	11 45 5	11 45 27	11 57 8
21	12 11 9	12 13 54	12 7 40	11 58 56	11 56 19	12 1 13	12 6 6	12 3 15	11 53 26	11 44 54	11 45 41	11 57 38
22	12 11 27	12 13 49	12 7 23	11 58 44	11 56 23	12 1 26	12 6 10	12 3 5	11 52 9	11 44 45	11 45 59	11 58 8
23	12 11 43	12 13 42	12 7 4	11 58 32	11 56 27	12 1 39	12 6 13	12 2 50	11 52 48	11 44 36	11 46 11	11 58 38
24	12 11 59	12 13 35	12 6 45	11 58 20	11 56 31	12 1 53	12 6 15	12 2 35	11 52 27	11 44 27	11 46 27	11 59 8
25	12 12 14	12 13 25	12 6 27	11 58 8	11 56 36	12 2 6	12 6 17	12 2 19	11 52 7	11 44 19	11 46 45	11 59 38
26	12 12 23	12 13 16	12 6 9	11 57 58	11 56 42	12 2 19	12 6 18	12 2 3	11 51 45	11 44 12	11 47 2	12 0 8
27	12 12 42	12 13 6	12 5 51	11 57 47	11 56 48	12 2 31	12 6 19	12 1 47	11 51 26	11 44 5	11 47 21	12 0 37
28	12 12 54	12 12 50	12 5 32	11 57 37	11 56 54	12 2 44	12 6 19	12 1 30	11 51 5	11 43 59	11 47 40	12 1 7
29	12 13 6	12 12 41	12 5 14	11 57 26	11 57 1	12 2 56	12 6 18	12 1 13	11 50 45	11 43 54	11 48 0	12 1 37
30	12 13 17	12 12 31	12 4 56	11 57 19	11 57 8	12 3 9	12 6 17	12 0 55	11 50 25	11 43 50	11 48 21	12 2 6
31	12 13 27	12 12 21	12 4 38	11 57 11	11 57 17	12 3 15	12 6 15	12 0 37	11 50 5	11 43 46	11 48 21	12 2 35

TABLE SHOWING THE EQUATION OF TIME AT APPARENT NOON AT MADRAS FOR 1903.

DATE	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
1	h. m. s. + 3 11	h. m. s. + 13 37	h. m. s. + 13 45	h. m. s. + 4 19	h. m. s. - 3 49	h. m. s. - 3 35	h. m. s. + 3 21	h. m. s. + 6 12	h. m. s. + 0 19	h. m. s. - 9 54	h. m. s. - 16 17	h. m. s. - 11 18
2	3 39	13 45	13 53	4 4	3 37	3 27	3 32	6 6	0 0	10 14	16 19	10 56
3	4 8	13 53	14 0	4 13	3 34	3 24	3 43	6 5	0 19	10 38	16 20	10 38
4	4 36	14 6	14 11	4 25	3 31	3 18	4 6	6 1	0 38	10 52	16 26	10 10
5	4 50	14 16	14 22	4 38	3 28	3 8	4 17	5 56	0 57	11 16	16 29	9 46
6	5 7	14 24	14 31	4 51	3 25	3 1	4 27	5 44	1 17	11 29	16 19	9 21
7	5 23	14 31	14 39	5 4	3 22	3 26	4 37	5 37	1 37	11 46	16 17	8 55
8	5 49	14 37	14 45	5 16	3 19	3 15	4 46	5 30	1 57	12 4	16 14	8 39
9	6 14	14 44	14 52	6 9	3 16	3 12	4 55	5 22	2 18	13 21	16 11	8 5
10	6 35	14 51	15 0	6 50	3 13	3 9	5 3	5 9	2 39	13 38	16 6	7 38
11	7 35	15 25	15 33	7 25	3 10	3 5	6 4	5 13	3 59	13 54	16 1	7 11
12	8 3	15 32	15 40	8 13	3 7	3 40	6 19	5 4	3 29	14 9	15 54	6 44
13	8 26	15 39	15 47	9 2	3 4	3 33	6 28	4 55	3 41	14 21	15 47	6 16
14	8 45	15 46	15 54	10 11	3 48	3 26	6 37	4 43	4 9	14 33	15 39	5 48
15	9 11	15 53	16 0	11 0	3 53	3 19	6 46	4 34	4 23	14 45	15 30	5 19
16	9 32	16 0	16 7	11 9	3 50	3 16	6 55	4 23	4 44	14 57	15 20	4 50
17	9 58	16 7	16 14	11 18	3 47	3 13	7 4	4 11	5 6	15 9	15 10	4 21
18	10 13	16 16	16 23	12 2	3 44	3 10	7 19	3 59	5 26	15 22	15 58	3 52
19	10 33	16 23	16 30	12 13	3 41	3 7	7 48	3 49	5 48	15 34	15 44	3 22
20	10 51	16 30	16 37	12 24	3 38	3 0	7 57	3 33	6 9	15 46	15 34	2 52
21	11 9	16 37	16 44	13 4	3 35	3 13	8 6	3 19	6 30	15 58	15 46	2 22
22	11 27	16 44	16 51	13 13	3 32	3 10	8 19	3 6	6 51	16 10	15 38	1 52
23	11 43	16 51	16 58	13 22	3 29	3 7	8 28	2 50	7 2	16 22	15 30	1 22
24	11 59	16 58	17 6	13 31	3 26	3 16	8 37	2 36	7 13	16 34	15 22	0 52
25	12 14	17 6	17 13	13 40	3 23	3 20	8 46	2 23	7 58	16 46	15 14	0 22
26	12 23	17 16	17 23	13 49	3 20	3 29	8 55	2 10	8 34	16 58	15 6	0 8
27	12 42	17 23	17 30	13 58	3 17	3 38	9 4	1 47	8 94	17 10	14 58	0 37
28	12 54	17 31	17 38	14 7	3 14	3 45	9 18	1 30	8 59	17 22	14 50	0 7
29	13 6	17 38	17 45	14 16	3 11	3 52	9 27	1 13	9 15	17 34	14 42	0 1
30	13 17	17 46	17 53	14 25	3 8	4 0	9 36	0 55	9 35	17 46	14 34	0 24
31	13 27	17 54	18 0	14 34	3 5	4 1	9 45	0 37	9 54	17 58	14 26	0 35

SATURN'S SATELLITES AT MADRAS—*contd.*MEAN TIME OF EASTERN ELONGATION, 1903—*contd.*

MIMAS— <i>concl'd.</i>		3—TETHYS.		DIONE— <i>concl'd.</i>	
d. h. m.		d. h. m.		d. h. m.	
Oct. 29 11 6 Morn.		Mar. 19 7 18 Morn.		May 18 11 42 After.	
Nov. 8 4 12 "		24 11 12 After.		21 5 24 "	
8 8 0 After.		28 5 54 "		24 11 6 Morn.	
13 1 0 "		Apl. 3 9 54 Morn.		29 10 24 After.	
18 6 12 Morn.		7 4 36 "		4 9 48 Morn.	
23 10 0 After.		12 8 30 After.		9 9 6 After.	
28 3 6 "		18 0 30 "		12 2 42 "	
Dec. 3 8 12 Morn.		24 4 24 Morn.		18 2 6 Morn.	
8 12 0 Midnight.		29 8 18 After.		23 1 24 After.	
		3 3 0 "		29 0 42 Morn.	
		7 9 36 Morn.		4 12 0 Noon.	
		11 4 12 "		9 11 18 After.	
		16 8 6 After.		12 4 54 "	
		20 2 42 "		18 4 12 Morn.	
		24 9 18 Morn.		23 8 30 After.	
		28 5 54 "		29 2 48 Morn.	
		June 2 7 43 After.		3 2 6 After.	
		6 2 24 "		9 1 24 Morn.	
		12 6 18 Morn.		14 0 42 After.	
		18 3 36 "		17 6 24 Morn.	
		23 6 6 "		22 5 36 After.	
		27 8 36 Morn.		28 4 54 Morn.	
		July 3 0 30 "		2 4 18 After.	
		8 4 24 After.		5 9 54 Morn.	
		14 8 18 Morn.		10 9 18 After.	
		20 0 6 "		16 8 36 Morn.	
		25 4 0 After.		21 7 54 After.	
		29 10 30 Morn.		24 1 36 "	
		Aug. 4 2 24 "		30 1 0 Morn.	
		9 6 18 After.		5 0 24 After.	
		15 10 6 Morn.		10 11 42 "	
		21 2 6 "		16 11 6 Morn.	
		26 5 54 After.		21 10 30 After.	
		30 0 30 "		27 10 0 Morn.	
		Sept. 3 7 6 Morn.		1 9 24 After.	
		8 11 0 After.		7 8 48 Morn.	
		12 0 36 "		12 8 18 After.	
		16 9 30 Morn.		18 7 42 Morn.	
		24 1 24 "		23 7 12 After.	
		29 5 18 After.		29 6 36 Morn.	
		Oct. 3 11 54 Morn.		2 0 24 "	
		8 15 48 After.		7 11 48 "	
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18 2 24 "			
		22 9 0 Morn.			
		26 3 42 "			
		31 7 43 After.			
		Nov. 4 2 18 "			
		8 8 54 Morn.			
		14 0 54 "			
		19 4 54 After.			
		25 8 54 Morn.			
		Dec. 2 10 12 After.			
		7 6 30 "			
		12 10 24 After.			
		18			

SATELLITES OF URANUS AT MADRAS.

MEAN TIME OF GREATEST ELONGATION, 1903.

1. Antel.		2. Umbel.		3. Titania.		4. Oberon.	
North-East.	South-West.	North-East.	South-West.	North-East.	South-West.	North-East and South-West.	
d. h. m.	d. h. m.	d. h. m.	d. h. m.	d. h. m.	d. h. m.	d. h. m.	
Apr. 7 4 0 Morn. Apr. 10 10 54 After. Apr. 12 11 13 Morn. Mar. 31 4 42 Morn. Apr. 4 1 6 After. Apr. 18 3 43 After. N.E.							
14 6 00 After. Apr. 13 0 24 " Apr. 14 1 0 After. Apr. 15 1 12 Morn. Apr. 16 1 24 After. Apr. 17 1 36 After. S.W.							
22 0 6 Morn. Apr. 20 3 42 After. May 1 3 0 After. May 2 3 12 Morn. May 3 3 24 After. May 4 3 36 After. N.E.							
29 8 42 After. May 8 6 0 Morn. May 9 6 12 After. May 10 6 24 After. May 11 6 36 After. May 12 6 48 After. N.E.							
May 14 11 48 After. May 15 6 6 After. May 16 6 18 After. May 17 6 30 After. May 18 6 42 After. May 19 6 54 After. S.W.							
22 1 24 After. May 20 8 12 Morn. May 21 8 24 After. May 22 8 36 After. May 23 8 48 After. May 24 9 0 After. N.E.							
30 8 6 Morn. June 1 8 18 After. June 2 8 30 After. June 3 8 42 After. June 4 8 54 After. June 5 9 6 After. N.E.							
June 6 4 42 After. June 7 4 54 After. June 8 5 6 After. June 9 5 18 After. June 10 5 30 After. June 11 5 42 After. S.W.							
14 6 24 Morn. June 15 6 12 After. June 16 6 24 After. June 17 6 36 After. June 18 6 48 After. June 19 7 0 After. N.E.							
21 8 0 After. June 22 8 12 After. June 23 8 24 After. June 24 8 36 After. June 25 8 48 After. June 26 9 0 After. S.W.							
29 8 42 Morn. July 1 8 54 After. July 2 9 6 After. July 3 9 18 After. July 4 9 30 After. July 5 9 42 After. N.E.							
July 6 4 12 After. July 7 4 24 After. July 8 4 36 After. July 9 4 48 After. July 10 5 0 After. July 11 5 12 After. S.W.							
14 6 12 After. July 15 6 24 After. July 16 6 36 After. July 17 6 48 After. July 18 7 0 After. July 19 7 12 After. N.E.							
21 8 12 After. July 22 8 24 After. July 23 8 36 After. July 24 8 48 After. July 25 9 0 After. July 26 9 12 After. S.W.							
29 8 42 Morn. Aug. 1 8 54 After. Aug. 2 9 6 After. Aug. 3 9 18 After. Aug. 4 9 30 After. Aug. 5 9 42 After. N.E.							
Aug. 6 4 12 After. Aug. 7 4 24 After. Aug. 8 4 36 After. Aug. 9 4 48 After. Aug. 10 5 0 After. Aug. 11 5 12 After. S.W.							
14 6 12 After. Aug. 15 6 24 After. Aug. 16 6 36 After. Aug. 17 6 48 After. Aug. 18 7 0 After. Aug. 19 7 12 After. N.E.							
21 8 12 After. Aug. 22 8 24 After. Aug. 23 8 36 After. Aug. 24 8 48 After. Aug. 25 9 0 After. Aug. 26 9 12 After. S.W.							
29 8 42 Morn. Sept. 1 8 54 After. Sept. 2 9 6 After. Sept. 3 9 18 After. Sept. 4 9 30 After. Sept. 5 9 42 After. N.E.							
Sept. 6 4 12 After. Sept. 7 4 24 After. Sept. 8 4 36 After. Sept. 9 4 48 After. Sept. 10 5 0 After. Sept. 11 5 12 After. S.W.							
14 6 12 After. Sept. 15 6 24 After. Sept. 16 6 36 After. Sept. 17 6 48 After. Sept. 18 7 0 After. Sept. 19 7 12 After. N.E.							
21 8 12 After. Sept. 22 8 24 After. Sept. 23 8 36 After. Sept. 24 8 48 After. Sept. 25 9 0 After. Sept. 26 9 12 After. S.W.							
29 8 42 Morn. Oct. 1 8 54 After. Oct. 2 9 6 After. Oct. 3 9 18 After. Oct. 4 9 30 After. Oct. 5 9 42 After. N.E.							
Oct. 6 4 12 After. Oct. 7 4 24 After. Oct. 8 4 36 After. Oct. 9 4 48 After. Oct. 10 5 0 After. Oct. 11 5 12 After. S.W.							
14 6 12 After. Oct. 15 6 24 After. Oct. 16 6 36 After. Oct. 17 6 48 After. Oct. 18 7 0 After. Oct. 19 7 12 After. N.E.							
21 8 12 After. Oct. 22 8 24 After. Oct. 23 8 36 After. Oct. 24 8 48 After. Oct. 25 9 0 After. Oct. 26 9 12 After. S.W.							
29 8 42 Morn. Oct. 31 8 54 After. Oct. 32 9 6 After. Oct. 33 9 18 After. Oct. 34 9 30 After. Oct. 35 9 42 After. N.E.							
Oct. 36 4 12 After. Oct. 37 4 24 After. Oct. 38 4 36 After. Oct. 39 4 48 After. Oct. 40 5 0 After. Oct. 41 5 12 After. S.W.							
14 6 12 After. Oct. 45 6 24 After. Oct. 46 6 36 After. Oct. 47 6 48 After. Oct. 48 7 0 After. Oct. 49 7 12 After. N.E.							
21 8 12 After. Oct. 52 8 24 After. Oct. 53 8 36 After. Oct. 54 8 48 After. Oct. 55 9 0 After. Oct. 56 9 12 After. S.W.							
29 8 42 Morn. Oct. 59 8 54 After. Oct. 60 9 6 After. Oct. 61 9 18 After. Oct. 62 9 30 After. Oct. 63 9 42 After. N.E.							
Oct. 64 4 12 After. Oct. 65 4 24 After. Oct. 66 4 36 After. Oct. 67 4 48 After. Oct. 68 5 0 After. Oct. 69 5 12 After. S.W.							
14 6 12 After. Oct. 73 6 24 After. Oct. 74 6 36 After. Oct. 75 6 48 After. Oct. 76 7 0 After. Oct. 77 7 12 After. N.E.							
21 8 12 After. Oct. 80 8 24 After. Oct. 81 8 36 After. Oct. 82 8 48 After. Oct. 83 9 0 After. Oct. 84 9 12 After. S.W.							
29 8 42 Morn. Oct. 87 8 54 After. Oct. 88 9 6 After. Oct. 89 9 18 After. Oct. 90 9 30 After. Oct. 91 9 42 After. N.E.							
Oct. 92 4 12 After. Oct. 93 4 24 After. Oct. 94 4 36 After. Oct. 95 4 48 After. Oct. 96 5 0 After. Oct. 97 5 12 After. S.W.							
14 6 12 After. Oct. 101 6 24 After. Oct. 102 6 36 After. Oct. 103 6 48 After. Oct. 104 7 0 After. Oct. 105 7 12 After. N.E.							
21 8 12 After. Oct. 108 8 24 After. Oct. 109 8 36 After. Oct. 110 8 48 After. Oct. 111 9 0 After. Oct. 112 9 12 After. S.W.							
29 8 42 Morn. Oct. 115 8 54 After. Oct. 116 9 6 After. Oct. 117 9 18 After. Oct. 118 9 30 After. Oct. 119 9 42 After. N.E.							
Oct. 120 4 12 After. Oct. 121 4 24 After. Oct. 122 4 36 After. Oct. 123 4 48 After. Oct. 124 5 0 After. Oct. 125 5 12 After. S.W.							
14 6 12 After. Oct. 131 6 24 After. Oct. 132 6 36 After. Oct. 133 6 48 After. Oct. 134 7 0 After. Oct. 135 7 12 After. N.E.							
21 8 12 After. Oct. 138 8 24 After. Oct. 139 8 36 After. Oct. 140 8 48 After. Oct. 141 9 0 After. Oct. 142 9 12 After. S.W.							
29 8 42 Morn. Oct. 145 8 54 After. Oct. 146 9 6 After. Oct. 147 9 18 After. Oct. 148 9 30 After. Oct. 149 9 42 After. N.E.							
Oct. 150 4 12 After. Oct. 151 4 24 After. Oct. 152 4 36 After. Oct. 153 4 48 After. Oct. 154 5 0 After. Oct. 155 5 12 After. S.W.							
14 6 12 After. Oct. 161 6 24 After. Oct. 162 6 36 After. Oct. 163 6 48 After. Oct. 164 7 0 After. Oct. 165 7 12 After. N.E.							
21 8 12 After. Oct. 168 8 24 After. Oct. 169 8 36 After. Oct. 170 8 48 After. Oct. 171 9 0 After. Oct. 172 9 12 After. S.W.							
29 8 42 Morn. Oct. 175 8 54 After. Oct. 176 9 6 After. Oct. 177 9 18 After. Oct. 178 9 30 After. Oct. 179 9 42 After. N.E.							
Oct. 180 4 12 After. Oct. 181 4 24 After. Oct. 182 4 36 After. Oct. 183 4 48 After. Oct. 184 5 0 After. Oct. 185 5 12 After. S.W.							
14 6 12 After. Oct. 191 6 24 After. Oct. 192 6 36 After. Oct. 193 6 48 After. Oct. 194 7 0 After. Oct. 195 7 12 After. N.E.							
21 8 12 After. Oct. 198 8 24 After. Oct. 199 8 36 After. Oct. 200 8 48 After. Oct. 201 9 0 After. Oct. 202 9 12 After. S.W.							
29 8 42 Morn. Oct. 205 8 54 After. Oct. 206 9 6 After. Oct. 207 9 18 After. Oct. 208 9 30 After. Oct. 209 9 42 After. N.E.							
Oct. 210 4 12 After. Oct. 211 4 24 After. Oct. 212 4 36 After. Oct. 213 4 48 After. Oct. 214 5 0 After. Oct. 215 5 12 After. S.W.							
14 6 12 After. Oct. 221 6 24 After. Oct. 222 6 36 After. Oct. 223 6 48 After. Oct. 224 7 0 After. Oct. 225 7 12 After. N.E.							
21 8 12 After. Oct. 228 8 24 After. Oct. 229 8 36 After. Oct. 230 8 48 After. Oct. 231 9 0 After. Oct. 232 9 12 After. S.W.							
29 8 42 Morn. Oct. 235 8 54 After. Oct. 236 9 6 After. Oct. 237 9 18 After. Oct. 238 9 30 After. Oct. 239 9 42 After. N.E.							
Oct. 240 4 12 After. Oct. 241 4 24 After. Oct. 242 4 36 After. Oct. 243 4 48 After. Oct. 244 5 0 After. Oct. 245 5 12 After. S.W.							
14 6 12 After. Oct. 251 6 24 After. Oct. 252 6 36 After. Oct. 253 6 48 After. Oct. 254 7 0 After. Oct. 255 7 12 After. N.E.							
21 8 12 After. Oct. 258 8 24 After. Oct. 259 8 36 After. Oct. 260 8 48 After. Oct. 261 9 0 After. Oct. 262 9 12 After. S.W.							
29 8 42 Morn. Oct. 265 8 54 After. Oct. 266 9 6 After. Oct. 267 9 18 After. Oct. 268 9 30 After. Oct. 269 9 42 After. N.E.							
Oct. 270 4 12 After. Oct. 271 4 24 After. Oct. 272 4 36 After. Oct. 273 4 48 After. Oct. 274 5 0 After. Oct. 275 5 12 After. S.W.							
14 6 12 After. Oct. 281 6 24 After. Oct. 282 6 36 After. Oct. 283 6 48 After. Oct. 284 7 0 After. Oct. 285 7 12 After. N.E.							
21 8 12 After. Oct. 288 8 24 After. Oct. 289 8 36 After. Oct. 290 8 48 After. Oct. 291 9 0 After. Oct. 292 9 12 After. S.W.							
29 8 42 Morn. Oct. 295 8 54 After. Oct. 296 9 6 After. Oct. 297 9 18 After. Oct. 298 9 30 After. Oct. 299 9 42 After. N.E.							
Oct. 300 4 12 After. Oct. 301 4 24 After. Oct. 302 4 36 After. Oct. 303 4 48 After. Oct. 304 5 0 After. Oct. 305 5 12 After. S.W.							
14 6 12 After. Oct. 311 6 24 After. Oct. 312 6 36 After. Oct. 313 6 48 After. Oct. 314 7 0 After. Oct. 315 7 12 After. N.E.							
21 8 12 After. Oct. 318 8 24 After. Oct. 319 8 36 After. Oct. 320 8 48 After. Oct. 321 9 0 After. Oct. 322 9 12 After. S.W.							
29 8 42 Morn. Oct. 325 8 54 After. Oct. 326 9 6 After. Oct. 327 9 18 After. Oct. 328 9 30 After. Oct. 329 9 42 After. N.E.							
Oct. 330 4 12 After. Oct. 331 4 24 After. Oct. 332 4 36 After. Oct. 333 4 48 After. Oct. 334 5 0 After. Oct. 335 5 12 After. S.W.							
14 6 12 After. Oct. 341 6 24 After. Oct. 342 6 36 After. Oct. 343 6 48 After. Oct. 344 7 0 After. Oct. 345 7 12 After. N.E.							
21 8 12 After. Oct. 348 8 24 After. Oct. 349 8 36 After. Oct. 350 8 48 After. Oct. 351 9 0 After. Oct. 352 9 12 After. S.W.							
29 8 42 Morn. Oct. 355 8 54 After. Oct. 356 9 6 After. Oct. 357 9 18 After. Oct. 358 9 30 After. Oct. 359 9 42 After. N.E.							
Oct. 360 4 12 After. Oct. 361 4 24 After. Oct. 362 4 36 After. Oct. 363 4 48 After. Oct. 364 5 0 After. Oct. 365 5 12 After. S.W.							
14 6 12 After. Oct. 371 6 24 After. Oct. 372 6 36 After. Oct. 373 6 48 After. Oct. 374 7 0 After. Oct. 375 7 12 After. N.E.							
21 8 12 After. Oct. 378 8 24 After. Oct. 379 8 36 After. Oct. 380 8 48 After. Oct. 381 9 0 After. Oct. 382 9 12 After. S.W.							
29 8 42 Morn. Oct. 385 8 54 After. Oct. 386 9 6 After. Oct. 387 9 18 After. Oct. 388 9 30 After. Oct. 389 9 42 After. N.E.							
Oct. 390 4 12 After. Oct. 391 4 24 After. Oct. 392 4 36 After. Oct. 393 4 48 After. Oct. 394 5 0 After. Oct. 395 5 12 After. S.W.							
14 6 12 After. Oct. 401 6 24 After. Oct. 402 6 36 After. Oct. 403 6 48 After. Oct. 404 7 0 After. Oct. 405 7 12 After. N.E.							
21 8 12 After. Oct. 408 8 24 After. Oct. 409 8 36 After. Oct. 410 8 48 After. Oct. 411 9 0 After. Oct. 412 9 12 After. S.W.							
29 8 42 Morn. Oct. 415 8 54 After. Oct. 416 9 6 After. Oct. 417 9 18 After. Oct. 418 9 30 After. Oct. 419 9 42 After. N.E.							
Oct. 420 4 12 After. Oct. 421 4 24 After. Oct. 422 4 36 After. Oct. 423 4 48 After. Oct. 424 5 0 After. Oct. 425 5 12 After. S.W.							
14 6 12 After. Oct. 431 6 24 After. Oct. 432 6 36 After. Oct. 433 6 48 After. Oct. 434 7 0 After. Oct. 435 7 12 After. N.E.							
21 8 12 After. Oct. 438 8 24 After. Oct. 439 8 36 After. Oct. 440 8 48 After. Oct. 441 9 0 After. Oct. 442 9 12 After. S.W.							
29 8 42 Morn. Oct. 445 8 54 After. Oct. 446 9 6 After. Oct. 447 9 18 After. Oct. 448 9 30 After. Oct. 449 9 42 After. N.E.							
Oct. 450 4 12 After. Oct. 451 4 24 After. Oct. 452 4 36 After. Oct. 453 4 48 After. Oct. 454 5 0 After. Oct. 455 5 12 After. S.W.							
14 6 12 After. Oct. 461 6 24 After. Oct. 462 6 36 After. Oct. 463 6 48 After. Oct. 464 7 0 After. Oct. 465 7 12 After. N.E.							
21 8 12 After. Oct. 468 8 24 After. Oct. 469 8 36 After. Oct. 470 8 48 After. Oct. 471 9 0 After. Oct. 472 9 12 After. S.W.							
29 8 42 Morn. Oct. 475 8 54 After. Oct. 476 9 6 After. Oct. 477 9 18 After. Oct. 478 9 30 After. Oct. 479 9 42 After. N.E.							
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14 6 12 After. Oct. 491 6 24 After. Oct. 492 6 36 After. Oct. 493 6 48 After. Oct. 494 7 0 After. Oct. 495 7 12 After. N.E.							
21 8 12 After. Oct. 498 8 24 After. Oct. 499 8 36 After. Oct. 500 8 48 After. Oct. 501 9 0 After. Oct. 502 9 12 After. S.W.							
29 8 42 Morn. Oct. 505 8 54 After. Oct. 506 9 6 After. Oct. 507 9 18 After. Oct. 508 9 30 After. Oct. 509 9 42 After. N.E.							
Oct. 510 4 12 After. Oct. 511 4 24 After. Oct. 512 4 36 After. Oct. 513 4 48 After. Oct. 514 5 0 After. Oct. 515 5 12 After. S.W.							
14 6 12 After. Oct. 521 6 24 After. Oct. 522 6 36 After. Oct. 523 6 48 After. Oct. 524 7 0 After. Oct. 525 7 12 After. N.E.							
21 8 12 After. Oct. 528 8 24 After. Oct. 529 8 36 After. Oct. 530 8 48 After. Oct. 531 9 0 After. Oct. 532 9 12 After. S.W.							
29 8 42 Morn. Oct. 535 8 54 After. Oct. 536 9 6 After. Oct. 537 9 18 After. Oct. 538 9 30 After. Oct. 539 9 42 After. N.E.							
Oct. 540 4 12 After. Oct. 541 4 24 After. Oct. 542 4 36 After. Oct. 543 4 48 After. Oct. 544 5 0 After. Oct. 545 5 12 After. S.W.							
14 6 12 After. Oct. 551 6 24 After. Oct. 552 6 36 After. Oct. 553 6 48 After. Oct. 554 7 0 After. Oct. 555 7 12 After. N.E.							
21 8 12 After. Oct. 558 8 24 After. Oct. 559 8 36 After. Oct. 560 8 48 After. Oct. 561 9 0 After. Oct. 562 9 12 After. S.W.							
29 8 42 Morn. Oct. 565 8 54 After. Oct. 566 9 6 After. Oct. 567 9 18 After. Oct. 568 9 30 After. Oct. 569 9 42 After. N.E.							
Oct. 570 4 12 After. Oct. 571 4 24 After. Oct. 572 4 36 After. Oct. 573 4 48 After. Oct. 574 5 0 After. Oct. 575 5 12 After. S.W.							
14 6 12 After. Oct. 581 6 24 After. Oct. 582 6 36 After. Oct. 583 6 48 After. Oct. 584 7 0 After. Oct. 585 7 12 After. N.E.							
21 8 12 After. Oct. 588 8 24 After. Oct. 589 8 36 After. Oct. 590 8 48 After. Oct. 591 9 0 After. Oct. 592 9 12 After. S.W.							
29 8 42 Morn. Oct. 595 8 54 After. Oct. 596 9 6 After. Oct. 597 9 18 After. Oct. 598 9 30 After. Oct. 599 9 42 After. N.E.							
Oct. 600 4 12 After. Oct. 601 4 24 After. Oct. 602 4 36 After. Oct. 603 4 48 After. Oct. 604 5 0 After. Oct. 605 5 12 After. S.W.							
14 6 12 After. Oct. 611 6 24 After. Oct. 612 6 36 After. Oct. 613 6 48 After. Oct. 614 7 0 After. Oct. 615 7 12 After. N.E.							

THE SUN'S DECLINATION FOR 1903. APPARENT NOON AT GREENWICH—contd.

Date.	JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.		
	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.	Sun's Declination.	Hourly Variation.		
1	N. 23 10	43.7	9.41	N. 18 15	42.6	37.66	N. 8 37	27.9	54.11	2 49	38.7	58.81	14 8	32.5	48.61	21 40	19.3	24.27
2	23 6	52.9	10.12	18 4	44.3	37.80	8 16	45.2	54.41	8 12	37.2	58.23	14 27	32.4	48.04	21 49	43.3	23.32
3	23 2	57.9	11.13	17 45	28.4	38.53	7 53	51.6	54.77	8 36	13.5	58.38	14 47	48.4	47.15	21 58	43.3	22.18
4	22 57	58.8	12.13	17 20	55.1	39.24	7 31	56.4	55.08	8 49	27.4	58.93	15 6	49.6	46.81	22 7	27.8	21.11
5	22 52	55.7	13.13	17 14	4.9	39.94	7 9	51.0	55.37	4 22	38.4	57.89	15 22	26.6	46.21	22 15	41.6	20.04
6	22 47	28.7	14.12	16 57	57.8	40.64	6 47	38.5	55.66	4 43	46.2	57.75	15 42	48.1	45.57	22 23	29.6	18.95
7	22 41	37.9	15.11	16 41	34.3	41.31	6 25	19.3	55.93	5 8	50.6	57.60	16 0	54.0	44.94	22 30	31.7	17.86
8	22 35	33.5	16.09	16 24	54.7	41.98	6 2	53.8	56.19	5 31	51.1	57.43	16 18	43.9	44.23	22 37	43.7	16.75
9	22 28	45.6	17.06	16 7	59.2	42.64	5 40	22.3	56.43	6 54	47.4	57.25	16 36	17.4	43.55	22 44	15.5	15.64
10	22 21	44.4	18.03	15 50	48.0	43.28	5 17	45.0	56.67	6 17	39.1	57.05	16 53	34.1	42.84	22 50	17.5	14.55
11	22 14	20.0	19.00	15 33	31.6	43.91	4 55	3.2	56.89	6 40	25.9	56.84	17 10	53.7	42.12	22 56	52.4	13.39
12	22 6	32.6	19.55	15 15	40.2	44.53	4 32	14.3	57.09	7 3	7.4	56.61	17 27	15.7	41.58	23 1	40.2	12.25
13	21 58	22.4	20.50	14 57	44.1	45.14	4 9	21.7	57.29	7 25	43.4	56.37	17 43	39.7	40.92	23 5	40.6	11.11
14	21 49	49.6	21.33	14 39	39.7	45.73	3 43	24.6	57.47	7 48	13.3	56.11	17 59	45.3	39.84	23 8	53.6	9.96
15	21 40	54.4	22.76	14 21	9.1	46.31	3 28	23.2	57.63	8 16	36.8	55.84	18 15	32.2	38.65	23 13	53.9	8.81
16	21 31	36.9	23.69	14 3	30.7	46.86	3 6	18.1	57.79	8 32	53.6	55.55	18 30	59.9	38.25	23 16	56.3	7.64
17	21 21	57.3	24.60	13 43	38.8	47.41	2 37	9.5	57.92	8 55	3.1	55.24	18 46	8.0	37.32	23 19	46.8	6.48
18	21 11	53.9	25.51	13 24	33.8	47.98	2 13	57.8	58.05	9 17	5.1	54.92	19 0	55.1	36.53	23 19	45.8	5.31
19	21 1	38.9	26.40	13 5	16.0	48.50	1 30	43.3	58.16	9 38	39.3	54.58	19 15	38.9	35.73	23 21	7.4	4.14
20	20 56	48.5	27.29	12 45	45.6	49.03	1 7	26.3	58.25	10 6	44.9	54.22	19 30	30.9	35.55	23 25	26.2	2.97
21	20 39	43.0	28.16	12 26	3.1	49.52	1 4	7.2	58.33	10 22	21.8	53.85	19 45	13.8	35.26	23 26	29.3	1.79
22	20 28	10.7	28.63	12 6	8.7	50.0	0 40	46.5	58.39	10 43	49.6	53.46	19 56	41.1	35.00	23 26	32.1	0.61
23	20 16	29.6	29.39	11 45	2.9	50.48	0 17	24.4	58.44	11 5	7.7	53.05	20 9	43.6	34.14	23 26	39.6	0.67
24	20 4	22.2	30.73	11 25	45.9	50.94	0 5	58.7	58.48	11 26	15.9	52.62	20 22	23.8	31.50	23 26	47.8	1.75
25	19 51	54.7	31.66	11 5	18.0	51.38	0 22	22.4	58.50	11 17	13.6	52.16	20 34	41.4	30.25	23 25	58.7	3.93
26	19 39	7.3	32.33	10 44	39.7	51.81	0 52	46.5	58.50	12 8	9.6	51.72	20 45	36.0	29.09	23 24	4.4	4.10
27	19 26	9.5	33.19	10 23	51.2	52.23	1 1	10.4	58.49	12 23	36.3	51.25	20 58	7.4	28.31	23 22	11.8	5.28
28	19 12	34.4	33.98	10 9	53.9	52.63	1 28	24.9	58.47	12 46	6.4	50.75	21 0	16.1	27.82	23 19	51.1	6.45
29	18 58	49.3	34.77	9 41	45.1	53.02	2 2	56.8	58.44	13 9	12.4	50.25	21 19	58.3	26.32	23 17	2.2	7.62
30	18 44	45.4	35.55	9 20	25.1	53.33	2 36	18.5	58.37	13 29	12.1	49.72	21 39	8.3	25.59	23 16	45.8	8.79
31	18 30	23.1	36.31	8 59	2.3	53.75	...	...	...	13 48	58.9	49.18	...	...	...	23 10	0.4	2.95

CALENDAR.] EQUATION OF TIME AND HOURLY VARIATION. 94

EQUATION OF TIME AND HOURLY VARIATION FOR 1903. APPARENT NOON AT GREENWICH.

JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.			
Date.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.	Equation of Time.	Hourly Variation.		
1	17.84	1.167	13	39.21	0.365	12	42.07	0.460	14	14.39	0.755	2	51.12	0.331	32.75	3	32.75	0.369
2	45.40	1.183	13	47.55	0.330	12	30.55	0.491	3	56.85	0.731	3	59.80	0.300	33.94	4	33.94	0.375
3	14.63	1.168	13	55.05	0.295	12	18.51	0.512	3	58.85	0.747	3	5.96	0.287	14.74	5	14.74	0.391
4	43.20	1.152	14	1.72	0.260	12	5.97	0.533	3	21.01	0.749	3	19.69	0.266	5.13	6	5.13	0.405
5	9.94	1.135	14	7.55	0.226	11	52.04	0.553	3	3.27	0.766	3	18.71	0.244	55.23	7	55.23	0.420
6	26.35	1.116	14	12.55	0.191	11	39.44	0.572	2	45.61	0.780	3	24.29	0.231	45.05	8	45.05	0.433
7	8.49	1.096	14	16.71	0.156	11	25.40	0.590	2	28.25	0.792	3	29.32	0.198	1	34.50	0.446	
8	29.14	1.075	14	20.05	0.122	11	11.11	0.608	2	11.01	0.714	3	33.80	0.175	1	33.64	0.458	
9	55.07	1.052	14	22.67	0.085	10	56.31	0.625	1	53.66	0.705	3	37.73	0.152	1	12.31	0.470	
10	20.05	1.029	14	24.29	0.055	10	41.13	0.640	1	37.17	0.693	3	41.69	0.138	1	1.10	0.480	
11	44.45	1.005	14	25.21	0.022	10	26.57	0.655	1	20.61	0.684	3	43.88	0.104	0	40.45	0.490	
12	8.99	0.980	14	25.55	0.010	10	9.85	0.669	1	4.32	0.673	3	46.10	0.089	0	37.56	0.500	
13	31.32	0.955	14	25.73	0.041	9	53.47	0.682	0	48.33	0.660	3	47.74	0.065	0	23.46	0.508	
14	54.13	0.939	14	25.36	0.072	9	35.55	0.695	0	32.64	0.647	3	48.80	0.032	0	13.16	0.516	
15	16.10	0.902	14	21.25	0.103	9	20.19	0.704	0	17.29	0.632	3	49.25	0.008	0	0.69	0.523	
16	37.42	0.875	14	18.42	0.132	9	3.17	0.711	0	12.35	0.617	3	49.17	0.017	0	11.94	0.531	
17	58.08	0.847	14	14.88	0.162	8	45.63	0.725	0	0.25	0.609	3	48.18	0.041	0	24.70	0.538	
18	18.07	0.818	14	10.65	0.190	8	25.49	0.730	0	26.00	0.585	3	47.21	0.065	0	37.58	0.544	
19	37.36	0.789	14	6.74	0.218	8	10.85	0.737	0	40.45	0.561	3	45.35	0.089	0	50.54	0.551	
20	55.94	0.759	14	0.16	0.246	7	53.11	0.743	0	53.89	0.551	3	42.94	0.113	1	5.37	0.558	
21	13.80	0.720	13	53.92	0.273	7	35.21	0.748	1	6.00	0.533	3	39.95	0.136	1	16.05	0.565	
22	30.93	0.688	13	47.04	0.300	7	17.19	0.753	1	19.47	0.514	3	36.86	0.160	1	29.74	0.571	
23	47.31	0.656	13	39.64	0.325	6	5.08	0.756	1	31.58	0.485	3	32.29	0.182	1	42.82	0.574	
24	12.92	0.624	13	31.42	0.351	6	40.90	0.759	1	23.28	0.476	3	27.04	0.205	1	55.86	0.578	
25	17.75	0.602	13	22.70	0.376	6	12.66	0.761	1	14.41	0.461	3	22.46	0.228	2	8.83	0.583	
26	31.82	0.569	13	13.39	0.400	5	4.39	0.762	2	6.10	0.455	3	19.67	0.248	2	21.70	0.584	
27	45.09	0.536	13	3.50	0.423	5	46.10	0.763	2	15.30	0.445	3	10.38	0.268	2	34.45	0.588	
28	57.55	0.503	13	58.96	0.445	5	27.80	0.763	2	25.01	0.434	3	3.91	0.288	2	47.04	0.591	
29	13.90	0.468	...	...	...	5	9.52	0.761	2	34.22	0.422	3	56.77	0.307	2	59.45	0.594	
30	20.03	0.434	...	...	...	4	51.27	0.759	2	42.52	0.352	3	49.19	0.325	3	11.66	0.594	
31	30.04	0.400	...	...	...	4	35.67	0.757	...	...	2	41.18	0.312	...	...	...	...	

+ Means added to, and - subtracted from apparent time.

EQUATION OF TIME AND HOURLY VARIATION FOR 1903. APPARENT NOON AT GREENWICH *concl.*

Date	JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.		
	Equation of Time.	Hourly Variation.	Equation of Time.	Equation of Time.	Hourly Variation.	Equation of Time.	Equation of Time.	Hourly Variation.	Equation of Time.	Equation of Time.	Hourly Variation.	Equation of Time.	Equation of Time.	Hourly Variation.	Equation of Time.	Equation of Time.	Hourly Variation.	
1	+8	0.493	11 56	0.124	0.771	11 56	0.145	0.771	11 56	0.393	0.812	11 56	0.604	0.910	11 56	0.910	0.910	
2	3	0.482	11 57	0.136	0.789	11 57	0.157	0.789	11 57	0.405	0.831	11 57	0.617	0.922	11 57	0.922	0.922	
3	3	0.479	11 58	0.148	0.806	11 58	0.169	0.806	11 58	0.417	0.843	11 58	0.629	0.933	11 58	0.933	0.933	
4	3	0.468	11 59	0.160	0.828	11 59	0.181	0.828	11 59	0.429	0.865	11 59	0.641	0.944	11 59	0.944	0.944	
5	4	0.444	12 00	0.172	0.850	12 00	0.193	0.850	12 00	0.441	0.892	12 00	0.653	0.955	12 00	0.955	0.955	
6	4	0.400	12 01	0.184	0.872	12 01	0.205	0.872	12 01	0.453	0.914	12 01	0.665	0.966	12 01	0.966	0.966	
7	4	0.416	12 02	0.196	0.894	12 02	0.217	0.894	12 02	0.465	0.936	12 02	0.677	0.977	12 02	0.977	0.977	
8	4	0.401	12 03	0.208	0.916	12 03	0.229	0.916	12 03	0.477	0.958	12 03	0.689	0.999	12 03	0.999	0.999	
9	4	0.384	12 04	0.220	0.938	12 04	0.241	0.938	12 04	0.489	0.980	12 04	0.701	1.010	12 04	1.010	1.010	
10	4	0.363	12 05	0.232	0.960	12 05	0.253	0.960	12 05	0.501	1.002	12 05	0.713	1.031	12 05	1.031	1.031	
11	5.	0.350	12 06	0.244	0.982	12 06	0.265	0.982	12 06	0.513	1.024	12 06	0.725	1.062	12 06	1.062	1.062	
12	5.	0.332	12 07	0.256	1.004	12 07	0.277	1.004	12 07	0.525	1.046	12 07	0.737	1.093	12 07	1.093	1.093	
13	6	0.318	12 08	0.268	1.026	12 08	0.289	1.026	12 08	0.537	1.068	12 08	0.749	1.125	12 08	1.125	1.125	
14	6	0.303	12 09	0.280	1.048	12 09	0.301	1.048	12 09	0.549	1.090	12 09	0.761	1.157	12 09	1.157	1.157	
15	5	0.289	12 10	0.292	1.070	12 10	0.313	1.070	12 10	0.561	1.112	12 10	0.773	1.189	12 10	1.189	1.189	
16	5	0.276	12 11	0.304	1.092	12 11	0.325	1.092	12 11	0.573	1.134	12 11	0.785	1.221	12 11	1.221	1.221	
17	5	0.263	12 12	0.316	1.114	12 12	0.337	1.114	12 12	0.585	1.156	12 12	0.797	1.253	12 12	1.253	1.253	
18	5	0.250	12 13	0.328	1.136	12 13	0.349	1.136	12 13	0.597	1.178	12 13	0.809	1.285	12 13	1.285	1.285	
19	5	0.237	12 14	0.340	1.158	12 14	0.361	1.158	12 14	0.609	1.200	12 14	0.821	1.317	12 14	1.317	1.317	
20	6	0.223	12 15	0.352	1.180	12 15	0.373	1.180	12 15	0.621	1.222	12 15	0.833	1.349	12 15	1.349	1.349	
21	6	0.210	12 16	0.364	1.202	12 16	0.385	1.202	12 16	0.633	1.244	12 16	0.845	1.381	12 16	1.381	1.381	
22	6	0.197	12 17	0.376	1.224	12 17	0.397	1.224	12 17	0.645	1.266	12 17	0.857	1.413	12 17	1.413	1.413	
23	6	0.184	12 18	0.388	1.246	12 18	0.409	1.246	12 18	0.657	1.288	12 18	0.869	1.445	12 18	1.445	1.445	
24	6	0.171	12 19	0.400	1.268	12 19	0.421	1.268	12 19	0.669	1.310	12 19	0.881	1.477	12 19	1.477	1.477	
25	6	0.158	12 20	0.412	1.290	12 20	0.433	1.290	12 20	0.681	1.332	12 20	0.893	1.509	12 20	1.509	1.509	
26	6	0.145	12 21	0.424	1.312	12 21	0.445	1.312	12 21	0.693	1.354	12 21	0.905	1.541	12 21	1.541	1.541	
27	6	0.132	12 22	0.436	1.334	12 22	0.457	1.334	12 22	0.705	1.376	12 22	0.917	1.573	12 22	1.573	1.573	
28	6	0.119	12 23	0.448	1.356	12 23	0.469	1.356	12 23	0.717	1.398	12 23	0.929	1.605	12 23	1.605	1.605	
29	6	0.106	12 24	0.460	1.378	12 24	0.481	1.378	12 24	0.729	1.420	12 24	0.941	1.637	12 24	1.637	1.637	
30	6	0.093	12 25	0.472	1.400	12 25	0.493	1.400	12 25	0.741	1.442	12 25	0.953	1.669	12 25	1.669	1.669	
31	6	0.080	12 26	0.484	1.422	12 26	0.505	1.422	12 26	0.753	1.464	12 26	0.965	1.701	12 26	1.701	1.701	

+ Means added to, and - subtracted from apparent time.

MEAN BAROMETRIC PRESSURE, TEMPERATURE, DIRECTION OF WIND, AND RAINFALL AT MADRAS.

Date.	Barometer reduced to 32° and Sea Level.	Dry Bulb Thermo. meter in Shade.	Prevailing Direction.	Rainfall from January 1st.	Date.	Barometer reduced to 32° and Sea Level.	Dry Bulb Thermo. meter in Shade.	Prevailing Direction.	Rainfall from January 1st.
Jan. 1	29.03	75	N. E. by N.	0.0	May 1	29.81	86	S. E.	2.3
2	29.03	75	N. E. by N.	0.2	2	29.79	86	S. E.	2.7
3	29.03	75	N. E. by N.	0.3	3	29.77	87	S. E.	3.2
4	29.03	75	N. E. by N.	0.6	4	29.75	87	S. E.	3.4
5	29.03	75	N. E. by N.	0.7	5	29.74	87	S. E.	3.8
6	29.01	75	N. E. by N.	0.6	6	29.72	88	South.	4.1
7	29.01	75	N. E. by N.	0.9	7	29.71	87	S. by W.	4.3
8	29.00	76	East.	1.0	8	29.71	87	S. W.	4.6
9	29.00	76	East.	1.1	9	29.71	87	S. W. by S.	4.9
10	29.00	77	E. by S.	1.1	10	29.72	86	S. W. by S.	5.3
11	29.00	77	E. by S.	1.2	11	29.73	86	S. W.	5.8
12	29.00	77	E. by S.	1.2	12	29.73	86	S. W.	5.8
13	29.00	77	E. by S.	1.2	13	29.74	86	S. W. by S.	6.1
14	29.00	77	E. by S.	1.2	14	29.74	86	S. W. by S.	6.4
15	29.00	77	E. by S.	1.2	15	29.74	86	S. W. by S.	6.4
16	29.00	77	E. by S.	1.2	16	29.74	86	S. W. by S.	6.4
17	29.00	77	E. by S.	1.2	17	29.74	86	S. W. by S.	6.4
18	29.00	77	E. by S.	1.2	18	29.74	86	S. W. by S.	6.4
19	29.00	77	E. by S.	1.2	19	29.74	86	S. W. by S.	6.4
20	29.00	77	E. by S.	1.2	20	29.74	86	S. W. by S.	6.4
21	29.00	77	E. by S.	1.2	21	29.74	86	S. W. by S.	6.4
22	29.00	77	E. by S.	1.2	22	29.74	86	S. W. by S.	6.4
23	29.00	77	E. by S.	1.2	23	29.74	86	S. W. by S.	6.4
24	29.00	77	E. by S.	1.2	24	29.74	86	S. W. by S.	6.4
25	29.00	77	E. by S.	1.2	25	29.74	86	S. W. by S.	6.4
26	29.00	77	E. by S.	1.2	26	29.74	86	S. W. by S.	6.4
27	29.00	77	E. by S.	1.2	27	29.74	86	S. W. by S.	6.4
28	29.00	77	E. by S.	1.2	28	29.74	86	S. W. by S.	6.4
29	29.00	77	E. by S.	1.2	29	29.74	86	S. W. by S.	6.4
30	29.00	77	E. by S.	1.2	30	29.74	86	S. W. by S.	6.4
31	29.00	77	E. by S.	1.2	31	29.74	86	S. W. by S.	6.4

HOURLY VARIATIONS OF THE BAROMETER AND THERMOMETER FROM DAILY MEAN. ABOVE + BELOW —

MORNING HOURS.

	1	2	3	4	5	6	7	8	9	10	11	Noon.
Barometer, Inches	0.00	—	—	—	—	—	—	—	—	—	—	—
Thermometer, Degrees	—	—	—	—	—	—	—	—	—	—	—	—
Barometer, Inches	0.00	—	—	—	—	—	—	—	—	—	—	—
Thermometer, Degrees	—	—	—	—	—	—	—	—	—	—	—	—

AFTERNOON HOURS.

	1	2	3	4	5	6	7	8	9	10	11	Midn.
Barometer, Inches	—	—	—	—	—	—	—	—	—	—	—	—
Thermometer, Degrees	—	—	—	—	—	—	—	—	—	—	—	—
Barometer, Inches	—	—	—	—	—	—	—	—	—	—	—	—
Thermometer, Degrees	—	—	—	—	—	—	—	—	—	—	—	—

EXAMPLES.

1.—Required the Mean Barometric Pressure and Temperature at 7 o'clock in the morning on January 6th? The mean daily value from the table on page 69 are 30.03 inches and 75 degrees. The Winter Hourly Variations for 7 morning are + 0.02 inch and — 5 degrees. Hence the required values are — Pressure 30.05 inches and Temperature 70 degrees.

2.—Required the Mean Barometric Pressure and Temperature at 3 o'clock in the afternoon on June 6th? The mean daily value from the table are 29.71 inches and 87 degrees. The Summer Hourly Variations for 3 afternoon are — 0.06 inch and + 7 degrees. The required values are therefore 29.65 inches and 94 degrees.

The readings of a mercurial barometer require to be reduced to 82 degrees by the help of tables to be found in every meteorological treatise. Those of an Aneroid, properly adjusted, show reduced Mean Pressure at once without reduction. The Mean Pressure is about 0.01 inch less than the numbers given, for every successive rise of nine feet above the mean Sea Level.

N. R. FOGGSON,
Government Astronomer.

Madras Observatory,
October, 1888.

GEOGRAPHICAL POSITIONS, ELEVATIONS, &c., OF THE PRINCIPAL STATIONS IN AND NEAR INDIA.

Names of Places.	North Latitude.	Longitude East of Greenwich.		Height above the Sea Level.	East variation of Compass from the North.	Dip of the Magnetic Needle.	Mean Annual Temperature.
		Arc.	Time.				
Agra	27° 9'	78° 2'	5 12 7	657	2 46	36° 2' N	78
Allahabad	25° 36'	81° 52'	5 27 25	316	1 41	32° 30' N	81
Alleppey	9° 30'	76° 20'	5 5 20	—	—	1° 41' S	—
Arcot	12° 54'	79° 10'	5 17 15	399	0 52	7° 0' N	82
Bangalore	12° 58'	77° 36'	5 16 23	2,989	0 40	7° 7' N	74
Beyrout	11° 10'	75° 51'	5 3 23	—	0 23	4° 0' N	—
Bellary	15° 9'	76° 54'	5 7 35	1,538	0 21	12° 0' N	80
Benares	25° 15'	83° 0'	5 32 0	347	1 50	32° 1' N	80
Bhopal	23° 13'	77° 25'	5 9 40	—	0 55	28° 0' N	—
Bombay (Colaba Observatory)	18° 54'	72° 49'	4 41 16	38	0 19	19° 7' N	80
Calcutta	22° 33'	88° 21'	3 53 22	18	2 25	28° 45' N	78
Calicut	11° 15'	75° 45'	5 5 2	0	0 25	3° 45' N	81
Cannanore	11° 51'	76° 21'	5 1 25	0	0 22	5° 15' N	81
Cape Comorin	8° 3'	77° 35'	5 10 20	—	0 30	3° 30' S	—
Cashmere (Srinagar)	34° 5'	74° 49'	4 49 16	5,144	3 10	46° 30' N	57
Chauldha	21° 24'	75° 36'	5 3 44	—	1 54	25° 43' N	—
Cochin	9° 53'	76° 14'	5 4 54	0	0 22	0° 0' N	81
Colombore	11° 1'	76° 58'	5 7 52	1,483	0 30	3° 0' N	77
Colombo	6° 57'	79° 30'	5 19 10	13	0 40	5° 0' S	80
Cuddalore	11° 43'	79° 46'	5 19 3	0	0 55	5° 0' N	82
Cuddapah	14° 29'	78° 48'	5 15 14	264	0 50	10° 30' N	83
Darjeeling	27° 5'	88° 15'	5 53 1	7,103	2 48	37° 0' N	64
Dehra Doon	29° 20'	77° 13'	5 12 24	2,289	2 54	41° 25' N	—
Delhi	28° 30'	77° 13'	5 5 52	2,827	1 40	37° 20' N	74
French Rocks	12° 31'	76° 40'	5 6 46	2,630	0 30	6° 0' N	78
Galle	12° 3'	80° 11'	5 20 43	21	0 41	7° 41' S	91
Ganjam	20° 22'	85° 7'	5 40 28	—	1 40	20° 0' N	—
Gokathi	14° 6'	91° 44'	0 6 46	124	2 0	55° 9' N	70
Gooty	16° 7'	77° 38'	5 10 32	1,115	0 40	11° 41' N	81
Guntur	16° 18'	80° 26'	5 21 43	0	1 5	14° 15' N	82
Kodakamal Observatory	16° 14'	77° 15'	5 10 32	7,088	—	—	59
Kuracol	15° 50'	78° 0'	5 12 8	900	1 21	13° 48' N	83
Lahore	31° 31'	74° 15'	4 56 58	830	2 2	43° 17' N	75
Lucknow	26° 51'	80° 56'	5 23 42	585	2 37	35° 10' N	76
Madras (Observatory)	13° 4'	80° 14'	5 20 59	22	1 0	7° 45' N	82
Madras	9° 55'	78° 0'	5 12 25	600	0 35	0° 0' N	85
Mangalore	12° 32'	74° 49'	4 59 17	0	0 20	7° 24' N	81
Maulipatam	16° 9'	81° 12'	5 24 47	0	1 10	14° 0' N	84
Meerut	28° 59'	77° 44'	5 10 50	—	2 48	39° 7' N	—
Mourshedabad	24° 12'	88° 10'	5 52 40	0	2 20	32° 0' N	80
Montmirail	16° 30'	97° 46'	0 31 2	0	2 22	17° 45' N	—
Mooltan	30° 10'	71° 35'	4 46 18	420	0 54	40° 0' N	77
Musoorie	30° 28'	78° 7'	5 12 12	6,023	2 80	41° 28' N	58
Mysore	12° 18'	78° 42'	5 0 47	—	0 30	5° 5' N	—
Nagpur	21° 19'	78° 7'	5 16 28	935	1 0	24° 30' N	82
Nagapatam	10° 45'	79° 23'	5 10 32	—	0 55	1° 45' N	—
Nellore	14° 28'	79° 53'	5 19 53	81	1 0	11° 0' N	82
Ootacamund	11° 26'	76° 43'	5 6 53	7,400	0 57	4° 27' N	66
Orissa	20° 0'	84° 0'	5 35 0	—	—	—	—
Patna in Behar	25° 37'	85° 8'	5 40 30	170	1 54	33° 33' N	78
Penang	5° 38'	100° 32'	6 41 25	0	—	—	81
Pondicherry	11° 56'	79° 49'	5 19 16	0	0 55	5° 0' N	85
Poonah	18° 30'	73° 52'	4 55 28	1,784	0 25	19° 2' N	75
Port Blair	11° 42'	92° 57'	6 11 48	0	2 10	—	—
Rajahmundry	17° 14'	81° 42'	5 27 6	81	1 25	16° 24' N	82
Ramassaram	9° 18'	79° 21'	5 17 24	—	0 50	1° 0' S	—
Rangoon	16° 45'	96° 17'	6 25 8	40	2 30	17° 45' N	79
Salon	11° 39'	78° 8'	5 12 34	967	0 42	4° 45' N	81
Secunderabad	17° 27'	78° 32'	5 12 52	1,399	1 34	17° 17' N	77
Simla	31° 5'	77° 0'	5 8 38	7,057	2 55	42° 30' N	53
Singapore	1° 18'	103° 50'	6 58 32	0	—	—	81
Surat	21° 10'	72° 32'	4 51 23	0	0 25	24° 30' N	—
Tanjore	10° 47'	79° 10'	5 13 42	—	0 50	2° 0' N	—
Trinavally	8° 44'	77° 40'	5 10 42	120	1 53	2° 0' N	85
Trichinopoly	10° 50'	78° 41'	5 14 44	443	0 45	3° 0' N	85
Trivandrum (Observatory)	8° 31'	77° 0'	5 7 44	0	0 42	2° 30' N	79
Vinayapatam	17° 41'	82° 21'	5 39 24	0	1 30	17° 0' N	85
Vunparthy	16° 22'	77° 4'	5 15 19	1,518	—	—	—
Wellington	11° 25'	83° 46'	5 7 4	5,860	0 57	4° 0' N	67

MADRAS OBSERVATORY RAIN REGISTER

Showing the Monthly Fall and number of Rainy Days during the 90 years, 1813 to 1902, and 85 Year Means.
(Communicated and revised by the Government Astronomer.)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
1813	0.08	...	0.43	...	0.28	0.70	1.38	0.83	2.83	4.10	23.18	3.98	45.11
1814	1.65	...	...	...	...	...	1.00	4.83	8.45	7.10	10.65	3.70	32.41
1815	0.16	0.73	...	...	0.20	0.45	3.47	0.80	2.85	6.06	33.13	4.40	56.00
1816	0.35	...	...	...	0.30	0.16	5.08	1.20	9.03	6.88	12.32	1.45	41.16
1817	...	...	...	...	...	...	1.60	3.48	7.07	11.62	24.33	0.25	63.56
1818	...	...	...	0.60	...	0.75	11.75	0.45	5.40	17.30	25.63	7.77	76.23
1819	...	...	...	2.55	...	0.18	3.28	1.10	14.89	8.30	10.87	0.71	86.83
1820	...	...	0.75	0.60	17.17	0.85	4.12	3.32	1.70	12.98	4.15	18.17	70.01
1821	3.60	...	0.39	...	...	1.10	1.90	3.15	7.30	14.03	11.35	4.35	47.23
1822	2.30	...	0.62	...	...	1.77	0.65	6.70	2.43	20.57	21.40	9.27	59.61
1823	1.45	...	0.93	...	0.27	2.03	3.87	9.15	4.40	10.40	0.90	0.90	23.92
1824	1.27	...	...	...	0.05	0.48	0.35	2.65	0.48	14.35	10.27	3.08	33.72
1825	0.17	...	...	...	4.25	1.50	3.07	7.67	1.90	17.47	11.07	7.35	66.05
1826	...	...	...	...	1.05	7.77	2.10	9.58	2.02	13.83	7.28	11.05	60.73
1827	5.60	0.07	...	...	23.30	9.02	4.89	2.62	4.44	13.71	22.12	5.98	89.66
1828	1.62	...	4.35	0.72	0.40	0.18	3.37	7.80	5.72	9.20	2.61	2.46	87.89
1829	0.27	3.16	0.89	0.31	1.42	2.75	1.77	2.94	2.98	5.15	8.36	5.49	36.87
1830	...	...	0.17	...	0.29	2.89	7.20	2.73	4.27	6.22	3.87	4.45	32.43
1831	0.94	...	0.17	...	0.94	1.90	3.13	9.50	7.20	9.85	7.93	2.19	44.86
1832	...	0.10	...	...	0.63	0.51	1.56	2.26	7.71	5.28	0.41	...	18.45
1833	0.15	...	...	...	0.33	2.46	1.17	7.41	8.93	9.69	9.97	3.27	37.11
1834	0.06	...	...	8.65	0.20	1.43	7.08	4.10	3.87	7.04	7.96	1.61	39.69
1835	0.06	0.32	...	9.00	1.75	0.86	3.31	3.01	3.26	11.09	13.06	1.57	41.47
1836	...	...	...	2.23	2.56	0.18	4.68	1.09	0.94	8.51	18.64	2.02	44.76
1837	...	...	...	...	...	...	2.65	1.09	3.80	9.15	17.17	2.19	49.25

MADRAS OBSERVATORY RAIN REGISTER, MONTHLY FALL AND NUMBER OF RAINY DAYS.

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
1838	...	1.43	0.69	0.77	1.64	0.85	2.97	4.63	8.78	6.27	21.89	4.22	52.33
1839	0.94	...	...	1.62	0.60	2.68	4.61	6.83	14.11	10.09	21.27	...	61
1840	...	...	...	0.08	...	0.48	4.43	7.82	6.86	13.10	27.25	...	70
1841	1.09	...	...	0.44	1.44	5.37	1.44	8.08	21.50	11.24	6.28	...	25
1842	1.74	...	0.23	...	0.34	1.41	5.23	8.12	17.50	12.12	12.69	...	88
1843	0.60	0.02	1.074	0.04	2.411	1.90	1.37	2.23	11.420	12.631	5.27	...	86
1844	0.75	0.62	...	...	2.66	4.273	6.897	2.72	12.51	11.33	3.39	...	55
1845	1.04	...	0.02	0.01	1.51	3.223	7.230	1.95	14.405	10.830	4.91	...	64
1846	2.04	0.23	...	...	1.54	5.370	8.912	4.66	13.032	4.8059	12.1939	...	77
1847	...	0.22	...	0.45	0.73	3.79	3.09	9.71	13.587	10.1632	13.1866	...	113
1848	...	...	...	6.38	4.010	1.80	3.87	11.513	14.309	12.1393	14.1720	...	97
1849	2.50	...	...	1.12	5.004	1.300	16.858	18.459	16.105	16.919	8.614	...	99
1850	0.04	4.27	...	0.98	2.294	2.92	1.53	14.306	3.904	4.432	14.812	...	98
1851	...	...	...	...	18.60	7.126	8.650	4.34	10.109	7.563	9.2485	...	74
1852	...	...	2.62	...	2.22	5.189	9.800	2.26	12.578	11.2060	15.1940	...	101
1853	2.25	...	...	...	...	0.62	7.414	1.35	9.233	9.007	14.1199	...	85
1854	0.42	...	...	0.77	...	...	6.480	1.705	9.637	11.1022	13.928	...	79
1855	0.04	0.30	...	...	...	1.15	7.269	1.35	9.715	8.1061	9.28	...	94
1856	...	0.03	...	0.01	5.91	8.082	9.332	1.45	16.109	10.407	17.147	...	81
1857	0.32	...	0.10	0.12	0.47	3.283	2.39	0.92	15.109	6.388	5.1637	...	83
1858	...	0.02	...	0.82	8.853	1.03	5.808	2.11	8.301	9.1207	15.582	...	85
1859	0.62	...	...	4.92	0.85	9.251	12.804	2.46	13.866	14.772	13.1946	...	87
1860	...	...	...	...	...	1.75	6.207	2.47	13.497	10.1407	15.208	...	90
1861	...	...	1.04	...	1.28	2.666	5.818	7.88	17.925	15.154	7.1232	...	78
1862	0.49	...	0.01	...	0.60	1.867	11.453	4.56	16.309	13.820	8.562	...	76

MADRAS OBSERVATORY RAIN REGISTER, MONTHLY FALL AND NUMBER OF RAINY DAYS.

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
1863	1.96	...	0.87	0.85	0.12	1.45	7.07	3.14	3.04	16	2.03	10	54.01
1864	0.20	...	...	0.28	0.63	1.95	2.20	7.32	13	13	18	15	47.93
1865	...	...	...	0.02	0.88	1.40	1.12	7.19	19	6	13	15	41.04
1866	0.17	...	...	0.11	0.07	1.85	1.47	4.17	16	7	10	14	31.39
1867	...	...	...	...	0.07	1.85	1.89	6.70	11	14	7.37	9	24.37
1868	4.77	3	0.98	...	...	7.19	7.50	4.50	16	10	8.28	8	41.43
1869	0.02	...	0.04	0.12	...	1.94	5.19	4.40	12	4.57	16	3.73	32.81
1870	0.05	...	1.72	...	...	8.63	5.70	6.94	13	19.69	13	7.26	74.10
1871	0.44	...	1.19	0.01	0.31	2.84	4.36	1.43	10	3.13	11	6.21	56.35
1872	...	...	...	1.68	3.15	0.27	9.71	7.58	21	2.90	13	18.18	73.67
1873	0.01	...	...	1.37	0.62	1.96	2.23	3.50	13	3.03	10	10.61	31.83
1874	...	...	...	...	...	8.76	6.18	2.68	16	6.19	19	21.23	62.95
1875	0.01	...	1.15	0.76	0.97	0.86	1.76	7.04	13	4.00	14	6.47	37.12
1876	0.13	...	0.03	0.71	1.19	3.13	2.77	3.80	13	3.36	9	1.04	31.50
1877	0.01	...	...	...	21.27	0.26	1.12	2.49	13	3.15	14	21.25	66.29
1878	0.11	...	...	0.84	1.50	0.12	4.80	5.52	17	5.07	15	6.26	28.65
1879	1.05	...	1.50	...	1.49	3.10	4.30	6.01	15	8	16.23	19	64.25
1880	2.60	...	...	...	...	1.11	4.49	4.90	15	8.93	15	8.61	61.60
1881	0.52	...	...	...	0.95	2.33	2.00	5.43	12	3.11	16	1.01	44.04
1882	0.27	...	...	0.04	0.05	4.00	3.27	3.62	17	1.87	11	7.67	56.20
1883	0.23	...	...	...	...	2.31	6.38	9.93	11	0.66	6	32.18	60.54
1884	2.13	...	...	1.66	0.53	0.95	3.55	1.59	11	5.56	14	13.03	76.93
1885	0.01	...	0.59	...	0.07	3.25	0.59	11	3.45	6.28	10	7.90	47.88
1886	0.64	...	0.86	...	5.78	7.67	5.61	14	2.57	15	0.85	7	47.78
1887	0.01	...	0.80	...	0.08	0.63	2.99	11	8.67	10	7.70	13	70.24

MADRAS OBSERVATORY RAIN REGISTER, MONTHLY FALL AND NUMBER OF RAINY DAYS.

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
1888	0.72	...	...	0.13	3.17	1.03	4.63	8.09	16	2.82	12	24.27	62.48
1889	0.05	...	...	2.05	0.01	1.02	5.57	4.36	15	5.85	10	7.47	43.39
1890	0.35	...	...	0.17	...	6.07	7.93	2.21	13	2.59	12	4.17	37.99
1891	...	...	...	...	0.49	0.20	1.00	2.41	12	2.15	10	13.42	40.46
1892	0.13	...	...	0.69	...	4.52	7.82	10.79	22	6.23	12	6.43	42.04
1893	0.33	...	...	0.86	0.24	1.18	4.90	2.31	14	3.04	11	5.21	43.06
1894	0.89	...	...	...	...	1.54	1.89	13.24	21	6.41	13	11.18	47.78
1895	...	...	...	...	0.34	0.90	5.43	4.36	17	1.62	10	11.42	47.37
1896	0.13	...	...	...	...	1.49	2.12	6.04	20	6.03	15	2.94	63.68
1897	0.46	...	...	0.07	0.18	2.21	2.50	7.71	18	11.79	21	2.77	58.47

AVERAGE RESULTS OF THE PRECEDING EIGHTY-FIVE YEARS.

Means	0.86	3.1	0.28	0.7	0.88	0.8	0.66	1.2	2.00	2.2	2.06	2.0	3.84	12.7	4.08	12.9	4.79	10.9	10.75	12.4	13.48	13.2	5.28	7.2	49.05	84
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1898	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1899	0.06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900	0.33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1901	0.72	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1902	1.23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

NOTE.—* Incomplete, rainfall given to December 1903.

MADRAS OBSERVATORY MEAN DAILY RAINFALL.

50 Years' Average—1813-1892.

Day	January	February	March	April	May	June	July	August	September	October	November	December	Day
1	0.02	0.93	1.18	1.90	2.25	4.85	6.59	10.42	15.00	19.80	31.03	44.11	1
2	.07	0.97	.19	.61	.32	.42	.60	.60	.17	20.03	31.75	.50	2
3	.10	1.00	.20	.64	.41	.50	.70	.73	.32	22.28	41.90	41.90	3
4	.11	.02	.20	.65	.50	.58	.81	10.80	.45	.44	32.70	45.21	4
5	.13	.03	.21	.68	.62	.64	6.91	11.03	.61	.63	33.13	.50	5
6	.16	.04	.22	.69	.73	.69	7.01	12.12	.80	20.39	33.56	.72	6
7	.17	.06	.22	.70	.85	.74	.12	.34	15.91	21.10	34.09	45.88	7
8	.19	.07	.23	.70	2.93	.79	.26	.60	16.08	.36	.33	46.02	8
9	.22	.07	.23	.71	3.09	.83	.40	.62	.20	.36	34.79	.13	9
10	.27	.09	.23	.72	.17	4.91	.51	.77	.35	21.84	35.26	.23	10
11	.30	.10	.24	.73	.20	3.60	.65	11.90	.30	22.14	35.65	.35	11
12	.37	.10	.24	.74	.21	.09	.80	12.03	.68	.37	36.10	.53	12
13	.42	.11	.24	.75	.22	.18	7.92	13.15	.90	22.78	36.55	.70	13
14	.49	.12	.24	.77	.24	.25	8.03	.29	17.10	23.92	37.04	46.90	14
15	.54	.13	.25	.78	.28	.33	.20	.41	.30	24.68	37.66	47.10	15
16	.57	.13	.26	.80	.36	.42	.21	.50	.59	25.10	38.18	.36	16
17	.60	.14	.27	.80	.46	.51	.43	.70	.74	25.60	38.54	.60	17
18	.62	.15	.28	.81	.58	.60	.53	.85	17.32	26.00	39.00	.73	18
19	.64	.16	.29	.82	.70	.70	.74	12.98	18.08	26.48	.40	19	
20	.68	.16	.30	.83	.76	.78	8.91	13.09	20.33	26.10	39.80	48.01	20
21	.69	.16	.31	.87	.83	.84	9.19	.22	.33	27.40	40.13	.11	21
22	.71	.17	.31	.90	.91	.90	.25	.38	.48	26.21	.45	.20	22
23	.74	.17	.32	1.06	3.97	5.98	.39	.53	.62	27.01	40.85	.31	23
24	.78	.17	.33	2.00	4.02	6.02	.51	.70	.75	27.50	41.25	.41	24
25	.81	.17	.36	.04	.08	.03	.61	13.83	15.90	27.50	41.70	.50	25
26	.82	.17	.38	.08	.11	.14	.80	14.01	19.03	28.00	42.08	.58	26
27	.83	.17	.40	.10	.14	.20	.88	.40	.29	28.14	.50	.70	27
28	.83	1.17	.43	.11	.18	.28	9.98	.56	.40	28.59	42.90	.78	28
29	.86		.47	.14	.21	.31	10.14	.71	19.53	29.02	43.30	.85	29
30	.88		.50	.218	.23	8.41	10.28	14.84		29.60	43.74	48.95	30
31	0.89		1.56		4.30		10.28	14.84		30.58		49.02	31

Novr.—The rainfall given for any date is the fall up to midnight on that date.

11th October, 1893.

C. MICHEL SMITH, Government Astronomer.

PHYSICAL GEOGRAPHY.—CLIMATE FOR THE YEAR 1901.

Places at which observations were taken.	RAINFALL.			TEMPERATURE IN SHADE.											
	RAINFALL.			May.			July.			December.			Mean Max.	Mean Min.	Lowest Min.
	January to May.	June to September.	October to December.	Mean Max.	Lowest Min.	Highest Max.	Mean Min.	Highest Max.	Lowest Min.	Mean Max.	Lowest Min.	Highest Max.			
Amini Divi	11.90	19.27	8.62	...	75.5	91.3	78.3	88.6	75.2	85.3	73.9	88.6	73.9	67.4	67.4
Bellary	5.34	9.23	6.49	76.5	67.2	105.0	75.0	98.0	70.2	86.1	62.0	91.0	62.0	55.1	55.1
Cochin	18.49	65.10	19.38	79.3	75.6	93.5	75.2	89.5	72.7	80.4	72.6	92.5	72.6	67.8	67.8
Coimbatore	5.76	8.54	11.04	74.2	69.8	97.9	71.8	93.4	70.3	83.0	65.6	86.9	65.6	53.2	53.2
Cuddapah	8.92	13.04	9.42	83.3	73.2	109.8	78.2	103.2	72.7	85.9	63.7	88.2	63.7	56.8	56.8
Kannool	5.61	17.43	4.97	78.9	73.5	104.3	74.5	96.7	72.4	87.0	59.9	91.7	59.9	49.7	49.7
Madras	3.12	18.26	38.46	80.7	77.0	107.2	78.8	102.8	73.3	82.3	65.7	85.5	65.7	63.4	63.4
Madura	9.13	14.38	11.75	77.5	73.0	102.5	76.9	101.4	71.5	85.4	69.5	89.4	69.5	65.1	65.1
Mangalore	7.64	91.28	15.02	78.3	71.9	92.3	75.3	86.8	73.4	87.0	70.9	91.2	70.9	64.0	64.0
Maunipattam	9.62	17.47	10.77	82.0	74.6	110.7	77.5	98.7	73.1	82.4	65.1	85.0	65.1	60.2	60.2
Mercur	5.46	96.49	16.71	64.9	61.7	86.0	62.8	72.5	61.7	74.6	57.4	79.9	57.4	52.1	52.1
Mercur	7.32	5.40	20.28	77.4	69.4	104.1	76.8	100.6	74.9	82.4	65.1	85.0	65.1	60.2	60.2
Ootacamund	...	18.51	17.90	...	...	...	61.5	66.3	48.5	63.3	46.7	68.4	46.7	34.6	34.6
Salom	6.94	20.73	11.23	76.9	70.1	103.1	74.0	97.6	71.0	85.5	64.7	88.1	64.7	57.2	57.2
Secunderabad	7.04	20.43	9.70	77.2	70.0	108.8	72.0	94.1	67.5	84.1	59.6	89.1	59.6	55.1	55.1
Tinnevely	11.15	3.57	10.28	80.1	73.9	104.5	73.9	99.3	70.4	87.0	72.3	89.2	72.3	68.9	68.9
Trichinopoly	3.62	13.66	15.01	79.3	70.7	107.7	79.0	102.1	75.4	81.8	68.7	89.5	68.7	61.4	61.4
Vellore	4.58	14.12	27.16	78.7	72.5	105.8	74.5	100.9	72.5	81.6	66.5	84.4	66.5	59.9	59.9
Wellington	23.86	22.90	16.16	57.0	49.2	78.2	57.5	74.8	53.3	67.5	48.0	73.2	48.0	33.6	33.6

GARDENING CALENDAR.

KITCHEN GARDEN.

January.—As the weather during the month will generally be clear and dry, attention to watering is required; if possible, water in the morning, otherwise late in the evening; never water vegetables during the heat of the day. The sowing of European vegetables may now be discontinued, as in the majority of cases seed sown during this month will prove to be labor needlessly expended; they will not come to maturity, or scarcely to a state fit for consumption. Last month may be considered as drawing to a close all successful operations in regard to European vegetable sowing, with the exception of a few salads, which may be sown in beds, shaded and hand-watered with attention; they will produce small crops. During the first and second week is a good time to sow cucumbers, vegetable marrow, gourds and such like. Nepal spinach should be sown and planted for a supply during the hot months. Attend to keeping the soil hoed amongst growing crops, eradicating weeds to prevent their seeding, which they now do freely; continue to earth up celery, choosing a dry day for directions as to earthing. Plant cuttings of the cabbage tribe in beds; if rooted, they will give a good supply of sprouts during the hot months. Sow country vegetables if required, remove all decaying vegetables to the compost heap. Look to the graft mangoes, confine every two or three days to deepen the incision till the branch is cut through. If any are entirely removed, they may be planted without delay, taking care to support them against damage from high winds.

FLOWER GARDEN.

The flowers during this month should be in great perfection. The main operations consist in keeping everything clean and in perfect order, using the knife amongst the shrubs, &c., where required. Attend to the young shoots of creepers so that they may be properly trained, cut back all plants that may be growing over the hedges of the beds or walks; this should be done neatly, so that the use of the knife may not be discovered; nothing looks worse than plants abruptly cut round the edge of flower beds. Such cuttings of shrubs and roses as are rooted should be planted out in beds, well watered and shaded for a few days. Attend to plants in pots; roses in flower-bud will be improved by frequent watering with liquid manure; it will increase the size of the flowers. Shade tender plants from the mid-day sun, keep a supply of water exposed to the sun during the day for watering potted plants in the evening. Attend to clipping hedges, keeping the walks and grass in proper trim.

Remarks.—The weather during this month is generally clear, rain seldom falls, dews are plentiful, vegetables are abundant towards the end of the month. Fruits, such as oranges, pomegranates, guavas, plantains, &c., are to be had.

KITCHEN GARDEN.

February.—As the Horticultural exhibition is generally held during the early part of the month, attend to the schedule of prizes if you intend to compete, preserve such articles as may be required by making them with stakes; in forwarding articles for competition pay marked attention to what is required, avoid sending vegetables of any kind in flower pots. In the garden little is required beyond the directions of last month; a few salads may be sown, country radishes, cucumbers and gourds may still be sown. Keep the garden clear from decayed leaves; vegetables during this month, especially the cabbage-tribe, give out a most disagreeable odour if left decaying. See that arrangements are made to keep up a supply of such country vegetables as may be required. Watering will invariably be requisite throughout the month; plant out (if on hand) cuttings of the cabbage-tribe. Attend to collecting manure for the next season.

FLOWER GARDEN.

The directions of last month are suitable to this; little more can be done than attending to watering and cleanliness; let plants in pots intended for exhibition be protected from the mid-day sun if possible. During the course of the month remove and put in pots a good supply of verbenas and such like to preserve them during the hot season. Attend to plants in pots frequently stirring up the soil on the surface. If worms are troublesome, a little clear lime water used occasionally will remove them.

Remarks.—The weather during this month is clear and calm, dew every morning, rain seldom occurs if ever; vegetables and flowers in most seasons are plentiful; fruits, such as sapodillas, mangoes, oranges, custard apples, &c., are to be had.

KITCHEN GARDEN.

March.—As the cultivation of European vegetables will no longer give any degree of satisfaction equivalent to the expense incurred, it is not necessary to presume that by giving directions success will be the reward of carrying them out. The heat is too great

to develop seeds of northern climes; indeed, it is more chance to succeed in germinating and growing tropical seeds. Attention to the culture of such varieties of country vegetables as may be required is all that is requisite in cultivation, though the latter may be purchased in the market much cheaper than they can be grown in private gardens. All vacant spaces in the garden should now be dug and thrown up in ridges (this is applicable to heavy soils) so as to expose the soil to the influence of the sun during the hot weather. Where the soil is light, let it be dug over level: collect manure without delay; if composed of heating materials, it will require to be watered and turned over frequently; be sure this matter is not overlooked; attend to watering lately-planted mango trees, untying the ligatures round the grafted parts; support the stems securely against high winds; store yams in sand or dry soil.

FLOWER GARDEN.

Little can be done during this month; pay attention to cleanliness, watering shrubs, roses, &c., such beds as are empty should be neatly dug over; look to the roots of dahlias, let them be stored in pots of sand, or the pots they were grown in: if the soil is dried, they must be kept dry; gloxinias, achimenes and bulbs require the same treatment; plants growing in pots should be placed, if possible, to receive the morning sun and shaded during mid-day.

Remarks.—The weather during this month is clear, hot, and very unpleasant from the prevailing southerly winds; slight dew frequently. No rain falls during the whole course of the month; European vegetables are very scarce, dear, and bad in general; country vegetables plentiful, such as brinjals, radishes, greens, &c. Fruits none, with the exception of indifferent plantains.

KITCHEN GARDEN.

April.—This month might be passed over in silence, as little or nothing can be done unless digging up any portions of the garden not attended to last month; this should not be neglected any longer. Cucumbers, gourds and melons may be sown during the month; they require protection from the sun until established. Attend to the fruiting pines; if the crowns appear to grow too large, let the hearts be taken out neatly; remove all suckers from the bottom of the fruit; after the fruit has swelled a good size, water should be sparingly applied as it tends to injure the flavour.

FLOWER GARDEN.

The directions of last month are suitable to this; little more can be done than keeping the garden clean and free of weeds; towards the end of the month look well to the support of young trees, creepers, &c., as gales may be expected early in May. Prepare soil for plants in pots without delay: look over dahlia roots, &c., in case they are being injured by vermin. Roses in pots should not be excited at present, or they will be weakened.

Remarks.—The weather during this month is similar to that of last; wind changeable from S. to E. and W., dew is seldom seen. A few slight showers of rain sometimes occur; European vegetables are very scarce, native vegetables are plentiful. Fruits, such as grapes, pine-apples, and some of the orange tribe, are to be had. Plantains are plentiful.

KITCHEN GARDEN.

May.—During the month the land wind commences; much difficulty will be experienced in cultivating any but the common varieties of country vegetables; dig over any vacant spaces of ground, no matter how roughly; prepare manure; repair and build water-channels when required; make and repair roads and walks.

FLOWER GARDEN.

Now is a good time to put walks in good order and make others where required. If composts for seeds and plants in pots are not preparing, delay no longer, as they will be required in July. Wash all empty flower-pots and order supplies for new ones; use every endeavour to put down the unsightly pots in general use—it can be done.

Remarks.—The weather during this month is unpleasantly hot from the prevailing land winds; in most seasons a few slight showers of rain fall; seldom other than country vegetables are to be had, with the exception of cabbage sprouts, which are hard and tough; mangoes and pine-apples are plentiful and cheap; flowers are scarce.

KITCHEN GARDEN.

June.—Although rain frequently occurs during the month, it is scarcely desirable to recommend the sowing of European vegetables. It is more requisite to push forward any new work that may be required; dig over and trench all vacant and new ground that may be taken in for cultivation. Be careful that a good supply of manure is on hand.

FLOWER GARDEN.

Preparing pits for planting trees and ornamental shrubs may be proceeded with, likewise the filling up of all hollows on the lawns where water accumulates during monsoons. Making new flower gardens where required, they should be proceeded with at once; it will save time when the gardeners are required for more active operations in July and August. Repair walks and make new ones; see that they are broad and level enough for two persons to walk abreast upon them; there is no necessity to raise them up like ridges in the centre; if they are slightly convex to throw off the water, it is sufficient.

Remarks.—The weather during this month is similar to that of last; showers are more frequent; European vegetables are rarely to be had; fruit is plentiful.

KITCHEN GARDEN.

July.—Everything should be prepared during the present month for sowing seeds in August; if the weather is at all favourable, sow a small quantity of celery and parsley for early plants. Pans may be sown towards the latter part of the month, though with but slight chance of success in the generality of seasons; during the last week the levelling of the soil thrown up in ridges may be proceeded with. The manure heap should be in a fit condition for use.

FLOWER GARDEN.

Little can be done during the month farther than preparation for the ensuing seed time; let composts be in a perfect state for use before the end of the month. Make up grass edgings with turf. Do not prune roses unless they show signs of growth; this can be easily discovered by the swelling and bursting of the buds; if they show signs, prune and manure, though waiting till the following month would be more judicious. Take care not to be carried into too active operations by a good shower of rain. Look to the roots of dahlias, gloxinias and achimenes that may have commenced to grow; retard them as much as possible, but bring them to the light; as dahlias are very impatient, their roots should be divided towards the end of the month into as many divisions as possible with a sharp knife, having shoot upon each division.

Remarks.—The rains of the S.W. monsoon commence during this month in slight showers; the sky is very cloudy; rains frequently in most seasons. Fruit and vegetables are scarce.

KITCHEN GARDEN.

August.—An imported seed should now be on hand, let a first sowing be put in pots or boxes without delay. If the weather is favourable, successive sowings may be put in during the whole course of the month. Care must be taken that the soil is in a proper moist condition. Guard against the ravages of red ants; be sparing of water to imported seeds until they germinate. A first sowing of peas and French beans may be put in; likewise carrots, beet, parsley and radishes; choose a dry day, sow celery in boxes or pots in rich soil mixed with well decayed manure and a small quantity of powdered lime. The reason celery is so apt to run to seed arises from inattention to keep up a constant luxuriance by the aid of good manure; celery should never receive a check; of country vegetables, sow brinjals, gourds, cucumbers, roselles, greens, spinach, beans, chilies, snake gourds, &c.; plant yams and Jerusalem artichokes. Attend to top-dressing asparagus beds, make a fresh bed of water-cresses in a shady spot near a well or tank where they can be easily supplied with water twice a day. Put in suckers of pine-apples, prepare stock of mangoes for grafting. Let the garden soil be levelled, well-manured and dug over; make sure the manure is well-looked after and mixed with lime and ashes before using.

FLOWER GARDEN.

Sow seeds of everything that can be had most suitable for the climate; be careful how small seeds are sown and watered; look to the roots of dahlias, gloxinias, &c.; they should be set a-growing in good soil. If no plan has been definitely fixed upon to secure a good supply of flowers, now is the time to look to it; there is no time to spare; propagate verbenas by layers; sow bellflowers, phloxes, petunias, balsams, &c.; increase your stock of chrysanthemums by division or fresh supplies; let the flower garden be well dug and manured; dig and manure round the roots of shrubs on lawns, &c. Let a shaded piece of ground be prepared in which to put cuttings of roses, shrubs, &c.; prepare pits for planting trees and shrubs make them large and deep. Pits in the soil of Madras or any-taken of seedlings, lest they get drawn during the dull days that prevail; expose them to the light and air as much as possible. Top-dress all plants in pots not intended to be re-garden roses and put in cuttings.

Remarks.—It were unnecessary to write these instructions if those for whom they are written do not carry them out during the course of this month. As success can only be

looked for by close attention, next month will be of less avail to have plants sufficiently strong to produce an early crop or to stand the heavy rains, and whatever complaints may have to be made must be ascribed to no other cause than neglecting to conduct operations at the right season and in a proper manner. The native gardeners are not so much to blame, as they in general go by the instructions they receive.

Rain is frequent during this month; country vegetables are plentiful; fruit and European vegetables are very scarce.

KITCHEN GARDEN.

September.—This is the proper time to sow a succession of peas. French beans and spinach may be put in every week during the month; continue to sow vegetables of all kinds; onions and leeks in light rich soil in beds, protected from the rain by mats, tied over movable bamboo frame-work. Attend to the seedlings sown last month; some of which will be ready for transplanting. Knol-khol and cabbage, if any were sown early in July, will be ready for final transplanting in the garden in beds of rows; let them be lifted carefully; disturb the roots as little as possible. Encourage the growth of celery by slight waterings of liquid manure; look after insects; a slight sprinkling of lime over and under the leaves will arrest their ravages; if not used, let them be picked off with hand every morning. Lime will in no wise injure the tenderest vegetations if slaked and cool. Native vegetables sown at the beginning of last month will be fit for planting out. Commence to graft mangoes; make preparations, such as digging trenches, &c., to prevent the garden being flooded during the monsoon near at hand. Manure pine-apples, remove the suckers and put them into root.

FLOWER GARDEN.

Petunias, hollyhocks, phloxes, &c., sown last month, should during this be fit for planting out, choosing a dull damp day. Continue to sow balsams, hollyhocks and all showy annuals, not neglecting mignonette. Balsam seeds from Hyderabad is generally good; and from the cultivators there removing the lateral branches, they have acquired a peculiar upright habit, show about one foot of blossom in a column when well-grown. Attend to cleanliness and keeping the soil in flower bed opened by hoeing. (The idea of seeing a gardener sitting in a flower-bed, digging it up with a piece of bamboo is absurd.) Prune roses if hitherto neglected, layer bud and put in cuttings of roses and such shrubs, trees and creepers as may be required. Sow seeds of trees and shrubs; put in pipings of carnations, picotees in boxes filled with fine sand mixed with red earth. Let all creepers be neatly tied to the posts or trellises upon which they are trained; prune where required; prune and keep in proper form shrubs, &c.; attend to cutting hedges and filling up gaps; cuscutha hedges neatly trimmed would be much neater round flower gardens than unsightly bamboo trellises; it is astonishing they are not more generally planted, as they combine neatness with economy, are easily raised if the seed is not too deeply covered with soil.

KITCHEN GARDEN.

October.—Transplant all vegetable plants large enough into beds or drills where they are to grow. Trenches should be ready to receive celery plants; shade if the weather is clear; look after tomatoes, onions, leeks, carrots and beet-root; let them be thinned out to proper distances from each other; the thinnings may be planted if required. Continue to sow a few varieties of vegetable seeds. Peas may be sown every week; let the drills in which they are sown be raised above the surface level; continue to sow a succession of French beans. Keep out a supply of salads, such as lettuce, endive, mustard, water-cress, &c. Finish early in the month preparations for planting out vegetables; do not trust till wanted, as the soil may not be workable for rain. Let everything about the garden be neat and clean; eradicate weeds on their first appearance. If the weather during the month should prove dry, peas and the cabbage tribe will suffer much. A supply of water will be requisite to prevent the crops sustaining a check which would prove very detrimental. When water is applied let it be in the morning, very early if possible; when it is cool, frequent hoeing up the soil amongst the crops will require to be looked to. If activity is not displayed during the early part of this month in forwarding operations, there is but little chance of success for the season. Take particular care the crops are not planted on the same piece of ground they were last year; alternate them yearly if possible. Graft mangoes and plant pine-apples.

FLOWER GARDEN.

The operations of last month are applicable to this. Look after dahlias in pots, stake them and water occasionally with liquid manure. Plant out verbenas, heliotropes and all other budding plants. Keep up a supply of balsams, cockscombs, mignonette, &c. Plant trees and shrubs, attending to training and pruning creepers. This is a good time to get roses, fuschias, violets, &c., from the hills of Bangalore. Take advantage of dry days to cut grass; straighten and trim the edges of walks and beds. Give everything a neat and clean appearance. Protect all newly-planted trees from wind. The best plan is to use three or four ropes for each plant; fix them to the stems, round which should be tied a piece of canvas to prevent the friction of the ropes from injuring the bark; tie the ropes tight to three pegs firmly driven into the ground at proper distance from the plants. This is easier than stakes, but more permanent, and will protect the plants till properly rooted.

Remarks.—The weather during this month is generally wet and stormy, more especially during the latter part of it. Vegetables and fruits still continue scarce.

KITCHEN GARDEN.

November.—Few European vegetables will come to perfection if not fit to plant out during this month. Attend to transplanting seedlings; peas and French beans may be sown every week or ten days; the main crop must be looked for from seed sown this month, as peas sown in December seldom succeed. Sow a small quantity of cabbage, knol-khol, cauliflowers, tomatoes, &c.; likewise a few salads. Cauliflowers sown during the first week of the month; if they are well attended to, flowers may be had during February. Attend to transplanting onions and leeks. Thin out turnips and carrots to proper distances from each other. Plant celery in trenches; look after all details, such as cleanliness, digging trenches to carry off the heavy rains; put in cuttings of cabbage sprouts for use during the hot season. Graft mangoes; put in cuttings of figs and vines. Plant onion bulbs for salad.

FLOWER GARDEN.

Continue to transplant seedlings into pots or boxes. Plant out annuals, verbenas, hollyhocks, phloxes and ipomeas, if strong enough. Sow any flower seeds remaining on hand. Sow seeds of trees and shrubs. Prepare early in the month stations for ornamental creepers, and plant without delay. Attend to training creepers, and pruning where required. Prune and manure garden roses and put in cuttings. In pruning, cut the old branches down to three or four eyes from the bottom. Top-dress all plants in pots not requiring re-potting; protect tender plants from heavy rains; activity is required during this month to obtain good supply of flowers during the three following months. The finer varieties of roses in pots should be re-potted if necessary; they require a heavy soil mixed with well-decayed cow-dung. Support all plants requiring it from the high winds.

Remarks.—The weather during this month is in general boisterous, with heavy rains; the N.E. monsoon continues with great violence. Vegetables and flowers continue scarce.

KITCHEN GARDEN.

December.—Continue to plant out and transplant into boxes all vegetable plants on hand during the first week. Attend to thinning turnips and carrots. Plant celery in trenches and earth up such as may require it. Keep the soil amongst the growing crops hoed, and eradicate weeds on their first appearance. Branch lettuce and endive by tying up the leaves. Thin out the branches of tomatoes. Look sharp after insects amongst cabbage and cauliflower. Use slaked lime freely on all crops attacked; it will prove a beneficial check. During the month sow cucumbers, vegetable marrow, country vegetables for greens, &c. Early-planted vegetables will be fit for use towards the end of the month. French beans and salads should be in abundance. Attend to staking peas, beans, &c. Continue to make up a manure heap for the ensuing season; let nothing be lost in the shape of vegetable matter. The main work of the month is attention to growing crops; look to early grafted mangoes; make incisions gradually on the branches above the grafts.

FLOWER GARDEN.

Plant out the remaining stock of annuals; sow a few hollyhocks, amaranthus, &c. A last sowing of balsams may be put in. Sow convolvuluses of all kinds. Petunias for flowering during the hot months. Attend to dahlias and encourage them by frequent watering of liquid manure. Keep the flower beds and walks clean and neat; water and roll the walks towards the latter part of the month; it will give them a neat appearance, at the same time they will be more comfortable to walk upon.

Remarks.—The weather during the first two weeks is similar to last month, generally clearing up towards the latter end. Fogs are frequent; flowers continue scarce with the exception of roses; vegetables are scarce; country greens, &c., are to be had in abundance; fruits, such as oranges, guavas and plantains, are plentiful.

BANGALORE.

January.—In this month most of the culinary vegetables are in great perfection. Grapes, apples, pine-apples, country raspberry, and also a few strawberries and peaches are in season. Such apple trees as have finished bearing may now be pruned, although it would be better to delay it until the ensuing month. Sow seeds of such vegetables as peas, radish, spinach, &c., that do not require more than three months to come to perfection. This is a good month for altering or making a garden, laying walks, &c. Open the roots of the vine trees, if the wood is well ripened.

This is the best month for planting cuttings of sugar-cane.

Remarks.—The nights and mornings are chill—a clear sky during the day. It seldom rains during this month, but fog falls daily in the mornings. The wind blows steadily from the N.E. with occasional variations.

February.—In this month country raspberries, figs, pomegranates, pine-apples, peaches, grapes and strawberries may be had in great abundance and perfection. A few apples remain. Very few vegetables can be sown with advantage this month. Open the roots of peach and apples and prune apple trees. As the mango will be in flower, spread if requisite, some manure round the roots of the trees, slightly stirring the soil.

Sow peaches; the stone should be broken, else the seeds will take some months to germinate.

Remarks.—The weather during the whole of this month is very fine. It seldom, if ever, rains. Heavy dew falls in the mornings. The wind blows N.E., sometimes changing to the S.E. The first half of the month is rather chilly; about the end it commences to be warm.

March.—During this month the roots of apple trees should be opened, if not already done by those who approve of that system, and very strong manure should be applied. Strawberries, grapes, raspberries and peaches are in season. The ground should be forked about the roots of vines. Plant tuberose roots. Beet-root and celery are in perfection. As the winds and hot air of this month are very injurious to vegetation, as few seeds as possible should be sown.

Remarks.—The weather during this month is clear, hot and unpleasant. Rain is little known. There is less dew. The wind continues to blow from the N.E. There is plenty of dust with thunder and lightning occasionally.

April.—Sow all flower seeds to come to perfection in July and August. They will be refreshed by the early rains called the mango showers, and there is generally rain in Mysore during June. Sow every kind of vegetable seed. Plant potatoes. Dahlia seeds should be sown in this month in situations protected from the burning winds.

Remarks.—This is the hottest month. The nights are very sultry, and the sun pours down its fiery rays with unabating vigor during the day. The dust is almost suffocating.

There is thunder and lightning. The mango showers may be expected towards the close of the month. Wind N.E.

May.—Repeat the sowing of last month, or may be deferred till this month. Transplant the seeds of the vegetables sown last month, and prepare the beds for the final transplanting of knol-khol, cabbage and cauliflower, watering the soil richly. Sow some cotton seeds.

Remarks.—The weather still continues hot. If the mango showers have set in, the heat is not so great as that of April. High winds from the S.W., with rain and clouds, may be expected. Rather dusty.

June.—The directions for this month are very similar in many respects to those given for May and April, in order to have the flowers and vegetables later in the season. Mangoes are in great perfection, and pine-apples abundant; jack-fruit in season. The natives plough their ground and sow their earth-nut. This is the best month for sowing seeds from England, &c., provided they arrive in the two or three preceding months, but in general it is advisable to sow them as soon as they are unpacked. The fields for hay should be scratched by the native plough and manured. Cuttings and suckers of chrysanthemums, if taken off and planted in small pots, will flower in September.

Roses often suffer much more from the attacks of the rose beetle during this month. They should be sought for at night with the aid of a lantern, and while one boy holds the light, another picks off the insects and throws them into a chatty of water. Immense numbers can be killed in a short time in this way. The old roots of the dahlia should be planted in large pots of sand covered with some fermenting vegetable matter, to induce them to send out shoots.

Remarks.—Rain is more frequent. The days begin to get cloudy and pleasant, and the nights cool. Wind from S.W. blows strongly. Plenty of dust.

July.—Pine-apple and apples are in season. Mangoes still continue till towards the end of the month; young plants should then be grafted, and the trees pruned as soon as they have done bearing, as that is the only time when it can be done with impunity. Cuttings of all trees and shrubs should be put in this month, as well as slips of artichokes, which, as soon as they have established themselves, should be cut down close to the ground.

The natives generally sow the raggy and cholm, and prepare the ground for rice, and plant cuttings of sugar-cane. Flower and vegetable seeds may still be sown, and in regular seasons the cabbage tribe of the first and second sowings should be finally transplanted. The first crop of hay is cut this month. Sow mango seeds for supply of stocks for next year's grafting. The dahlia sown last month will require transplanting, and the shoots should be separated from the old roots. The seeds (dahlias) should now be turned out of pots into the open ground in a sandy well-manured soil. A species of white grub attacks the roots of flower plants, more especially the scarlet geranium. The only mode of destroying these insects is by uprooting the plants that show any signs of drooping and removing the grub. Experiments in the cultivation of wheat may be attempted this month.

Remarks.—There is generally much rain this month. The days are cloudy and pleasant, and the nights cool. The wind blows from S.W. Thunder and lightning frequent.

August.—Apples still continue; young trees should now be drafted and cuttings put down. Oranges, loquats, and alligator pears in season. Insects are excessively numerous and destructive. The orange tribes should be budded and grafted and propagated by grafts. Plant beds with early strawberries. Still sow a few vegetable and flower seeds.

Continue grafting mangoes. Transplant cotton. Propagate carnations and pinks by layers. Begin collecting seeds of early flowering annuals. Dahlias are in perfection. The natives sow different kinds of grain in this and in the following month. Stake the dahlias put into ground last month.

Remarks.—The early monsoons cease about the beginning of the month. The wind blows from S.W., and the weather is somewhat warm.

September.—Alligator pears and loquats still continue. Cuttings in plenty. Sow orange seed and alligator pear stones. Young potatoes in season. The American cotton sow early in full soil. Plant Cape bulbs, either in the ground or in very deep pots, well drained. The turnips and cabbages are much infested by a small dark caterpillar, which may be destroyed by sprinkling the plants with powdered lime. The rice begins to flower. Put down cuttings of geraniums, roses, violets, heartsease, &c. Flowers are in great perfection. As most of the peach trees will have lost their leaves, the roots should be opened and exposed for four days and then strongly manured. The principal crop of hay is cut in this month.

Strip off leaves and bare and prune the roots of apple trees, dressing the root at the same time with sheep or other manure.

Remarks.—This is rather a hot month. The wind blows from S.W., and rain may be expected from the middle of the month particularly in the evenings.

October.—Vegetables are in great perfection. Gourds and guavas also are now in season. The main beds for strawberries should be planted. Vines will begin to flower early in this month; the borders should be dug and well manured. Dahlias will begin to fall in the month. As soon as the leaves begin to wither, they should be taken up with the soil that adheres to them and kept in a dry place. As soon as they have been sufficiently dried, they should be packed up in boxes of sand till the time for planting arrives. The double tube roses should be similarly treated.

Remarks.—The latter monsoons which generally commence towards the end of last month are very heavy during October. The wind veers round to the N.E. The days are pleasant and the nights are cool.

November.—Apples begin to ripen towards the end of this month. Custard-apples in plenty. This is the last month in which the generality of vegetables can be sown with advantage. Sow the casuarina and other tree seeds. This is a good month to lay in a stock of manure and prepare composts for the next year. The larger kinds of perennial water flowers should be taken up and reduced in size and replanted. This is a good month to plant potatoes, sweet-potatoes, melons, cucumbers, and most vegetable seeds. The raggy crop is cut during this month.

Remarks.—High winds from the N.E. and heavy rain may be expected during the early part of the month. Towards the end the temperature of the atmosphere is considerably lessened, and the nights begin to be chilly. This is a very pleasant month. Morning foggy.

December.—Apples are in plenty, and peaches may be had towards the end of the month. Rose-apples also are abundant. All vegetables in season. A good month for sowing melon and cucumber seeds, as well as peas, radish, and spinach, but very few other vegetable seeds. Most of the exotic plants will have ceased flowering; the beds should therefore be dug up and manured with a soil composed of two-thirds vegetable and half well-decayed animal manure. Turn out and examine dahlia roots. Prune roses.

Remarks.—This is usually a clear month with heavy fog in the mornings. Days cool and nights chilly. Wind from the N.E. Heat is scarcely felt at mid-day. This is a very pleasant and healthy month.

General Remarks.—The meteorological observation of three years—1834-5-6—was one very hot and one very rainy season; this may therefore be regarded as a very fair average when taken together.

Bangalore is in lat. 12°58' N. and long. 77°32' E. The base of Commissioner's flagstaff is 8,630 feet above high water-mark at Madras and the mean annual temperature is 75° Fahr., while that of Madras is 83°, thus confirming the generally received opinion that a rise of 800 feet causes a fall in the thermometer of one degree. The soil, except in the valleys, is a red sandy loam, inclined to gravelly and the sound rock and finally foliated gneiss with slaty cleavage. It is much used for building purposes.

Average rainfall of twenty-three years is 35.41 inches.

NEILCHERRIES.

Ootacamund.

January.—Flowers.—None. Vegetables.—Sow in verandah for early crop cauliflower, radish, mustard and cress.

February.—Flowers.—None. Vegetables.—None.

March.—Flowers.—Mignonette and nasturtiums, for early flowering. Vegetables.—Peas, French beans, radish, mustard, cress and cauliflower.

April.—**FLOWERS.**—Annuals of all sorts should be sown during this month; also seeds of new perennial plants, shrubs, trees, &c. **VEGETABLES.**—Beet-root, carrots, turnips, peas, French beans, broad beans, cauliflower, cabbages and all description of vegetables for main summer crop.

May.—**FLOWERS.**—Continue sowing of annuals and other seeds mentioned in last month. **VEGETABLES.**—Sow peas, French beans, cauliflower and lettuce for succession; complete sowing all crops of vegetables required for summer use.

June.—**FLOWERS.**—None. **VEGETABLES.**—Radish, mustard, cress, lettuce, peas and beans for succession.

July.—**FLOWERS.**—None. **VEGETABLES.**—The same as June.

August.—**FLOWERS.**—Annual seeds for winter flowering should now be seen; this is the best season to sow stocks, asters, balsams, petunias, verbenas, snapdragons, nasturtiums, &c. **VEGETABLES.**—The same as April for winter crops.

September.—**FLOWERS.**—Complete sowing of the above in this month. **VEGETABLES.**—Complete sowing for winter crop.

October.—**FLOWERS.**—None. **VEGETABLES.**—Sow as in June.

November.—**FLOWERS.**—None. **VEGETABLES.**—Sow as in June.

December.—**FLOWERS.**—None. **VEGETABLES.**—None.

Coonoor and Kotagerry.

Remarks on the variation of the above.

The main sowing of vegetable and flower seeds should be in August, September and October, instead of April and May. Rotation sowings, the same as at Ootacamund.

Flowers and vegetables that are in the several months of the year.

January.—**FLOWERS.**—Geraniums, petunias, verbenas, stocks, camellias, roses, calceolarias, cinerarias, balsams, asters, mimulus. **VEGETABLES.**—Cauliflower, beet-root, carrots, turnips, rhubarb, parsnips, vegetable marrow, celery, salads, cabbage, knol-khol, potatoes and onions.

February.—**FLOWERS.**—Geraniums, petunias, verbenas, stocks, camellias, roses, calceolarias, and polygallias. **VEGETABLES.**—Cauliflower, beet-root, carrots, turnips, parsnips, vegetable marrow, celery, salads, cabbage, knol-khol and onions.

March.—**FLOWERS.**—Crocuses, lilies, primroses, calceolarias, geraniums, verbenas, petunias, violets and polygallias. **VEGETABLES.**—Vegetables are scarce during this month. Only onions, knol-khol, turnips and cabbages may be said to be in season, all others being raised or preserved by artificial watering.

April.—**FLOWERS.**—Crocuses, lilies, primroses, calceolarias, geraniums, verbenas, petunias and violets. **VEGETABLES.**—Vegetables are still scarce. The above with mustard, radish, cress and salads are still in season.

May.—**FLOWERS.**—Daisies, crocuses, lilies, heliotrope, petunias, calceolarias, roses, primroses and polyanthas. **VEGETABLES.**—Potatoes, cauliflower, carrots, beet-root, celery, rhubarb, radish, vegetable marrow, cucumbers, knol-khol, parsnips, lettuce, peas, beans, and French beans.

June.—**FLOWERS.**—Fuschias, westaria, heliotrope, daisies, roses, veronicas, polygallias, laburnums and primroses. **VEGETABLES.**—Potatoes, cauliflower, carrots, beet-root, celery, rhubarb, radish, vegetable marrow, cucumbers, knol-khol, parsnips, lettuce, peas, beans and French beans.

July.—**FLOWERS.**—Fuschias, westaria, heliotrope, daisies, roses, veronicas, polygallias, laburnums and brughmansias. **VEGETABLES.**—Potatoes, cauliflower, carrots, beet-root, celery, rhubarb, radish, vegetable marrow, cucumbers, knol-khol, parsnips, lettuce, peas, beans and French beans.

August.—**FLOWERS.**—Geraniums, brughmansias, fuschias, heliotrope, daisies, roses, veronicas and heath. **VEGETABLES.**—Same as July.

September.—**FLOWERS.**—Geraniums, crassulas, brughmansias, fuschias, heliotrope, daisies, roses, veronicas and heath. **VEGETABLES.**—Same as July.

October.—**FLOWERS.**—Camellias, cinerarias, crassulas, calceolarias, roses and heath. **VEGETABLES.**—Potatoes, cauliflower, carrots, beet-root, celery, rhubarb, radish, vegetable marrow, cucumbers, knol-khol, parsnips, lettuce, peas and French beans.

November.—**FLOWERS.**—Camellias, cinerarias, daisies, crassulas, calceolarias, roses and heath. **VEGETABLES.**—Same as October.

December.—**FLOWERS.**—Camellias, cinerarias, phloxes, verbenas, daisies, crassulas, calceolarias, alpagos, roses and heath. **VEGETABLES.**—Same as October.

PART II.—EUROPEAN AND INDIAN. THE KING AND ROYAL FAMILY.

HIS MOST EXCELLENT MAJESTY ALBERT EDWARD THE SEVENTH, by the Grace of God, of the United Kingdom of Great Britain and Ireland and of all the British Dominions beyond the Seas, King, Defender of the Faith, Emperor of India; eldest son of Her late Majesty Queen Victoria and of His late Royal Highness Albert, Prince Consort; born at Buckingham Palace, 9th November 1841; succeeded to the Throne, 22nd January 1901; married 10th March, 1863, Her Royal Highness Princess Alexandra Caroline Marie Charlotte Louise Julia (QUEEN ALEXANDRA), eldest daughter of His Majesty King Christian IX. of Denmark. Their Majesties have had issue:—

His Royal Highness Albert Victor Christian Edward of Wales, Duke of Clarence and Avondale and Earl of Athlone, born January 8, 1864; died January 14, 1892.

His Royal Highness George Frederick Ernest Albany, Prince of Wales and Earl of Chester, Duke of Cornwall and York (Duke of Rothesay, Prince of Saxo-Coburg and Gotha and Duke of Saxony, Earl of Connaught and Inverness, Baron of Repulse and Kilmarney, Lord of the Isles and Great Steward of Scotland), K.G., K.T., K.P., G.C.M.G., G.C.V.O., General and Rear-Admiral, born June 3, 1864; married July 6, 1893, to the Princess Victoria Mary ("May") of Teck (born May 26, 1867), and has issue—Edward, born June 23, 1894; Albert, born December 14, 1895; Victoria Alexandra, born April 25, 1897; Henry William Frederick Albert, born March 31, 1900.

Her Royal Highness Louise Victoria Alexandra Dagmar, Duchess of Fife, born February 23, 1867; married July 27, 1886, to Duke of Fife, and has issue—Alexandra, born May 17, 1891; and Maud, born April 3, 1893.

Her Royal Highness Victoria Alexandra Olga Mary, born July 4, 1868.

Her Royal Highness Maud Charlotte Mary Victoria, born November 26, 1869; married July 22, 1896, to Charles, 2nd son of the Crown Prince of Denmark.

His Royal Highness Alexander John Charles Albert, born April 6, died April 7, 1871.

THE FAMILY OF QUEEN VICTORIA.

Her Imperial Majesty VICTORIA, Empress Frederick of Germany, Princess Royal, born November 21, 1840; married January 23, 1858, to Frederick, Crown Prince of Prussia, afterwards German Emperor (born October 18, 1831; died June 15, 1888), died August 5, 1901, her issue being—William, reigning German Emperor, born January 27, 1859, married February 27, 1881, to Princess Augusta of Schleswig-Holstein, and has six sons and a daughter; Charlotte, born July 24, 1860, married February 18, 1878, to Hereditary Prince of Saxo-Meiningen; Henry, born August 14, 1862, married May 24, 1888, to his cousin Princess Irene of Hesse; Sigismund, born September 15, 1864, died June 18, 1866; Victoria, born April 12, 1866, married November 19, 1890, to H. S. H. Prince Adolphus of Schaumburg-Lippe; Waldemar, born February 10, 1868, died March 27, 1879; Sophia Dorothea, born June 14, 1870; married October 27, 1889, to the Duke of Sparta; and Margaret, born April 22, 1872, married January 23, 1893, to Prince Frederick of Hesse-Cassel.

His Majesty the King-Emperor, KOWAN WILSH, the reigning Sovereign.

Her Royal Highness ALICE MARIE MAAT, born April 25, 1843; married July 1, 1862, to His Royal Highness Louis IV., Grand Duke of Hesse (born September 12, 1837; died March 13, 1892; died December 14, 1878; her issue being—Victoria Alberta, born April 5, 1863; married April 30, 1884, to Prince Louis of Battenberg, R.N.; Elizabeth, born November 1, 1864; married June 15, 1884, to the Grand Duke Serge of Russia; Irene, born July 11, 1866, married May 24, 1888, to her cousin, Prince Henry of Prussia, brother of the German Emperor; Ernest Louis, Grand Duke of Hesse, born November 25, 1868; married April 19, 1894, to Her Royal Highness Princess Victoria Melita of Saxo-Coburg; Frederick, born October 7, 1870, died June 29, 1873; Alix Victoria, born June 6, 1872; married November 26, 1894, to H. I. M. the Czar of Russia, and has issue, Olga, born November 15, 1895; Tatiana, born June 1897; and Marie, born June 26, 1899; and Anastasia, born June 18, 1901; and Mary, born May 24, 1874, died November 18, 1878.

His Royal Highness ALBERT EDWARD, Duke of Edinburgh and Duke of Saxo-Coburg-Gotha, born August 8, 1844; married January 23, 1874, to the Grand Duchess Marie of Russia (born October 17, 1853; died July 30, 1900; her issue being—Alfred, born October 15, 1874, died February 6, 1899; Marie, born October 29, 1876, married January 10, 1893, to Ferdinand, Crown Prince of Roumania, and has issue—Carol, born October 15, 1893, and a daughter; Victoria Melita, born November 26, 1878, married April 19, 1894, to Ernest Louis, Grand Duke of Hesse, and has issue; Alexandra, born September 1, 1878; married 1896, to Ernest, Hereditary Prince of Hohenzollern-Langenbourg, and has issue; and Beatrice, born April 20, 1884.

Her Royal Highness HELENA AUGUSTA VICTORIA, born May 25, 1846; married July 5, 1866, to Prince Frederick Christian Charles Augustus of Schleswig-Holstein (born January 22, 1831), and has had issue—Christian Victor, born April 14, 1867, died October 29, 1900; Albert J., born February 26, 1869; Victoria L., born May 3, 1870; Louise A., born August 12, 1872, married July 6, 1891, to Prince Arbert of Anhalt; and Harold, born May 12, died May 29, 1878.

Her Royal Highness **LOUISE CAROLINE ALBERTA**, born March 18, 1848; married March 21, 1871, to John, Duke of Argyll, (born August 6, 1845).

His Royal Highness **ARTHUR WILLIAM PATRICK ALBERT**, Duke of Connaught, born May 1, 1850; Field Marshal in Command in Ireland; married March 13, 1879, Princess Louise Margaret (born July 25, 1860), daughter of the late Prince Frederick Charles of Prussia, and has issue—Margaret, born January 15, 1883; Arthur, born January 13, 1883; Victoria Patricia, born March 17, 1885.

His Royal Highness **LEOPOLD GEORGE DUNCAN ALBERT**, Duke of Albany, born April 7, 1853; married April 27, 1882, to Princess Helen (born February 17, 1861), daughter of the late Prince George of Waldeck; died March 28, 1884; his issue being—Alice Mary, born February 25, 1883; Leopold Charles Edward G. A., Duke of Albany and Duke of Saxe-Coburg-Gotha, born July 12, 1884.

Her Royal Highness **BEATRICE MARY VICTORIA FRIDORA**, born April 14, 1857; married July 23, 1885, to Prince Henry Maurice of Battenberg (born October 5, 1858; died January 20, 1896), and has issue—Alexander Albert, born November 28, 1886; Victoria Eugenie Julia Ena, born October 24, 1887; Leopold Arthur Louis, born May 21, 1889; and Maurice Victor Donald, born October 3, 1891.

Descendants of His Royal Highness the first Duke of Cambridge, His Majesty's Great-Uncle.—Field-Marshal H. R. H. **GEORGE WILLIAM FREDERICK CHARLES**, 2nd Duke of Cambridge, born March 26, 1819; **AUGUSTA CAROLINE**, born July 15, 1822; married June 28, 1843, Frederick, Grand Duke of Mecklenburg-Strelitz, and has issue—Adolphus Frederick, born July 22, 1848, married, and has several children.

MARY APELAIDE, born November 27, 1833; married June 12, 1866, Francis, Duke of Teck (born August 27, 1837; died January 21, 1900); died October 27, 1891, her issue being—Victoria Mary, born May 26, 1867, married July 6, 1893, to His Royal Highness the Prince of Wales; Adolphus, born August 13, 1868, married 1894, Lady Margaret Grosvenor, daughter of the First Duke of Westminster, and has issue.

Descendants of His Royal Highness the Duke of Cumberland, King of Hannover, son of King George III.—His Royal Highness **ERNEST AUGUSTUS GEORGE**, 3rd Duke of Cumberland, born September 21, 1846; married December 21, 1878, to Princess Thyra of Denmark; and has issue. His sisters—**FREDERICA**, born January 9, 1848; married April 24, 1880, Freiherr von Pawel-Rammingen (issue—Victoria, born March 7, died March 27, 1881; and Mary Ernestine, born December 8, 1849).

HIS MAJESTY'S MINISTERS.

Prime Minister, Lord Privy Seal and First Lord of the Treasury	Arthur James Balfour.
Lord High Chancellor	Earl of Halsbury.
Lord Chancellor of Ireland	Lord Ashbourne.
Lord President of the Council	Duke of Devonshire.
First Lord of the Admiralty	Earl of Selborne.
Secretary, Home Affairs	Aretas Akers-Douglas.
Foreign Affairs	Marquess of Lansdowne.
War	Hon. St. John Brodrick.
Colonies	Joseph Chamberlain.
India	Lord George Hamilton.
Chief Secretary to the Lord Lieut. of Ireland	George Wyndham.
Chancellor of the Exchequer	Charles Thomson Ritchie.
Chancellor of the Duchy of Lancaster	Lord James of Harefield. (Not in the Cabinet.)
Secretary for Scotland	Lord Balfour of Burleigh.
President, Board of Trade	Gerald William Balfour.
Local Government Board	Walter Hume Long.
Board of Education	Marquess of Londonderry.
First Commissioner of Works and Public Buildings	Aretas Akers-Douglas. (Not in the Cabinet.)
Postmaster-General	Austen Chamberlain.
Chancellor of the Duchy of Lancaster	Sir William Hood Walsby, Bt.
Financial Secretary (Treasury)	William Hayes Fisher.
Secretary (Admiralty)	Hugh O. Arnold-Forster.
Under Secretary for Home Office	Hon. Thomas Cochrane.
for Foreign Office	Viscount Cranborne.
for War Office	Earl of Hardwicke.
for Colonial Office	Earl of Onslow.
for India Office	Earl Percy.
for Board of Trade	Andrew Bonar Law.
for Local Government Board	John Grant Lawson.
for Board of Education	Sir William R. Anson, Bt.

CHIEF COLONIES OF GREAT BRITAIN WITH THEIR GOVERNORS.

COLONY AND STATION.	OFFICE.	NAMES.
EAST INDIES.		
India	Viceroy and Governor-General.	His Excellency the Right Hon'ble Lord Curzon, of Kedleston.
Madras	Governor.	His Excellency Lord Ampthill, O.C.B. & Lord H. S. Northcote, O.C.B. & C.B.
Bombay	Governor.	
AUSTRALIAN COLONIES.		
Commonwealth of Australia.	Governor-General & Commander-in-Chief.	
	Military Secretary.	
New South Wales [Sydney]	Alfred de Camp.	Vice-Admiral Sir H. H. Rawson, K.C.B.
Victoria [Melbourne]	Governor & Commander-in-Chief.	Br.-Col. Sir G. S. Clarke, K.C.M.G.
South Australia [Adelaide]	Governor & Commander-in-Chief.	Lord H. Tennyson, K.C.M.G.
Western Australia [Perth]	Governor & Commander-in-Chief.	
Queensland [Brisbane]	Governor & Commander-in-Chief.	Major-Genl. Sir H. G. Chermside, O.C.B. & C.B.
Tasmania [Hobart Town]	Governor & Commander-in-Chief.	Sir A. E. Haycock, O.C.B. & C.B.
New Zealand [Wellington]	Governor & Commander-in-Chief.	T. J. M. Ranfurly, Earl of, K.C.M.G.
Fiji Islands [Suva]	Governor & Commander-in-Chief and High Comm. for the Western Pacific.	Sir H. M. Jackson, K.C.M.G.
British New Guinea	Lieutenant-Governor.	G. R. Le Bunte, Esq., C.M.G.
CHANNEL ISLANDS.		
Guernsey and Alderney.	Lieut.-Governor and Commanding the Troops.	Major-Genl. M. E. Seward, R.A.
Jersey	Lieut.-Governor and Commanding the Troops.	Major-Genl. H. R. Abadie, C.B.
WEST INDIES, &c.		
Barbados and its Dependencies [Bridgetown]	Governor & Commander-in-Chief.	Sir F. M. Hodgson, K.C.M.G.
Windward Islands [St. George, Grenada]	Governor & Commander-in-Chief.	Sir R. B. Llewellyn, K.C.M.G.
St. Vincent [Kingstown]	Administrator.	
St. Lucia [Castries]	Administrator.	Sir G. Melville, K.C.M.G.
Antigua and Leeward Islands [St. John's]	Governor & Commander-in-Chief.	Sir G. Strickland, K.C.M.G.
Trinidad and Tobago [Port of Spain]	Governor & Commander-in-Chief.	Sir C. A. Moloney, K.C.M.G.
British Guiana [Georgetown]	Governor & Commander-in-Chief.	Sir J. A. Swettenham, K.C.M.G.
Jamaica [Kingston]	Capt.-Genl. & Governor-in-Chief.	Sir A. W. L. Hemming, K.C.M.G.
Bahamas [Nassau]	Governor & Commander-in-Chief.	Sir G. T. Carter, K.C.M.G.
Turks & Caicos Islands [Grand Turk]	(Commissioner).	R. J. Cameron, Esq.
British Honduras [Belice]	Governor & Commander-in-Chief.	Sir D. Wilson, K.C.M.G.
DOMINION OF CANADA.		
Canada [Ottawa]	Governor-General of the Dominion of Canada and Govr. and Commander-in-Chief of Prince Edward Island.	Minto, G. J., Right Hon'ble, Earl of, O.C.B. & C.B.
Newfoundland [St. John's]	Governor & Commander-in-Chief.	Sir C. Boyle, K.C.M.G.
BERMUDA.		
Bermuda [Hamilton]	Governor & Commander-in-Chief.	Lt.-Genl. Sir H. Le G. Genty, K.C.B.
MALTA AND ITS DEPENDENCIES.		
Malta	Governor & Commander-in-Chief.	Lt.-Genl. [Local-Genl.] Lord F. W. Grenfell, O.C.B. & C.B. (Col. Comd., King's Royal Rifle Corps).
GIBRALTAR.		
Gibraltar	Governor & Commander-in-Chief.	Genl. Sir G. S. White, O.C.B. & C.B., O.C.B. & C.B. (Col. Gordon Highlanders).

Chief Colonies of Great Britain with their Governors—contd.

COLONY AND STATION.	OFFICE.	NAMES.
CYPRUS.		
Cyprus [Nicosia].	High Commr. & Comdr.-in-Chief.	Sir W. F. Haynes-Smith, K.C.M.G.
SOUTH AFRICA.		
Cape of Good Hope [Cape Town].	High Commissioner for South Africa.	Rt. Hon. A. Viscount Milner, G.C.B., G.C.M.G.
Natal [comprising Natal and Zululand] [Durban].	Governor & Commander-in-Chief.	Rt. Hon. Sir W. F. Hely-Hutchinson, G.C.M.G.
St. Helena [James Town].	Governor & Commander-in-Chief.	Rt. Hon. A. Viscount Milner, G.C.B., G.C.M.G.
Trinidad and Tobago [Port of Spain].	Governor & Commander-in-Chief.	Rt. Hon. A. Viscount Milner, G.C.B., G.C.M.G.
British Central Africa Protectorate.	Commissioner, Commander-in-Chief and Consul-General.	A. Sharpe, Esq., C.B.
East Africa Protectorate.	Do.	Sir C. F. E. Elliot, K.C.M.G., C.B.
Small Coast Protectorate.	Do.	Rt. Hon. A. Viscount Milner, G.C.B., G.C.M.G.
Uganda Protectorate.	Do.	Li. Col. J. H. Stedler, C.B.
WEST AFRICA.		
Sierra Leone [Free Town].	Governor & Commander-in-Chief.	Sir H. A. King-Harman, K.C.M.G.
Gambia.	Administrator of the Govt.	Sir C. Denton, K.C.M.G.
GOLD COAST COLONY.		
Gold Coast Colony [Accra].	Governor & Commander-in-Chief.	Major M. Nathan, K.C.M.G., R.E.
COLONY OF LAGOS.		
Lagos.	Governor & Commander-in-Chief.	Sir W. MacGregor, M.D., K.C.M.G., C.B.
Nigeria, Northern.	High Commissioner.	Li. Col. (Local Brig. Genl.) Sir F. J. D. Lugard, K.C.M.G., D.S.O.
Nigeria, Southern.	High Commissioner.	Sir E. D. R. Moor, K.C.M.G.
MAURITIUS.		
Mauritius [Port Louis].	Governor & Commander-in-Chief.	Sir C. Bruce, G.C.M.G.
Seychelles Islands [Makani].	Administrator.	Rt. Hon. A. Viscount Milner, G.C.B., G.C.M.G.
	Aide-de-Camp.	Br. Col. C. T. E. Macleod, Rtd. Bde.
	Colonel on the Staff.	Major M. S. Nelson, R.A., A.C.
	Deputy Asst. Adjutant-General.	Li. Col. H. P. Hyckman, R.G.A.
	Officer Commanding R. A.	Br. Col. W. H. Gooden, K.E.
	Commanding Royal Engineers.	Li. Col. E. North, R.A.M.C.
	Senior Medical Officer.	Capt. S. E. Fife, R.A.
	Chief Ordnance Officer.	Capt. A. E. H. Haggles, Army Pay Department.
	District Paymaster.	
CEYLON.		
Ceylon [Colombo].	Governor & Commander-in-Chief.	Rt. Hon. Sir J. W. Ridgeway, K.C.M.G., G.C.M.G., G.C.B.
	Aide-de-Camp.	Capt. R. F. K. Gough, 4th Bn. Essex Regt.
	Brigadier-General.	Capt. Sir E. Burdett, Bart., Reserve of Officers.
	Aide-de-Camp.	Major-Genl. Sir H. A. MacDonnell, K.C.B., G.C.M.G., D.S.O.
	Dy. Asst. Adj. General.	Major A. E. Cuming, Army Service Corps.
	Officer Commanding R. A.	Rt. Major D. W. Churcher, B. Irish Fusils.
	Commanding R. E.	Li. Col. W. E. L. Balfour, R.A.
	Senior Medical Officer.	Li. Col. J. C. Campbell, R.E.
	Chief Ordnance Officer.	Li. Col. E. W. Barrett, Ordnance Department.
	District Paymaster.	Major A. G. B. Stebbins, A.P. Dept.
CHINA AND HONGKONG.		
China and Hongkong [Victoria].	Governor & Commander-in-Chief of Hongkong and its dependencies.	Sir H. A. Blake, G.C.M.G.
	Aide-de-Camp.	Lieut. J. B. Arbuthnot, R.V.D.
		Capt. Sir J. Keane, Bt. R.A.

Chief Colonies of Great Britain with their Governors—concl.

COLONY AND STATION.	OFFICE.	NAMES.
CHINA AND HONGKONG—<i>concl.</i>		
	Major-General.	Sir W. J. Garroigue, K.C.M.G.
	Aide-de-Camp.	Major Hon. B. W. Trevelyan, Scots Guards.
	Deputy Asst. Adj. General.	Major A. B. Hamilton, King's Own Scottish Borderers.
		Bt. Major W. A. C. Denny, A.S. Corps.
STRAITS SETTLEMENTS.		
Straits Settlements, including Prince of Wales Island, Malacca, Singapore & Ceylon Island [Singapore].	Governor & Commander-in-Chief of the Straits Settlements and their Dependencies, Governor of Christmas Island, and High Commissioner for the Protected States in the Malay Peninsula.	Sir F. A. Sweetenham, K.C.M.G.
	Aide-de-Camp.	
	Colonel on the Staff.	
	Dy. Asst. Adj. General.	Capt. R. W. P. White, Welsh Regt.
	Chief Ordnance Officer.	Capt. W. D. G. Trimas, R.A.
	District Paymaster.	Major E. H. Thackwell, A.P.D.
	Senior Medical Officer.	Lieut. M. R. C. Nanson, R.G.A.
	Carabinieri Adjutant.	Br. Col. R. Oakes, R.G.A.
	Officer Commanding, R. A.	Li. Col. J. D. Rutterton, R.G.A.
	Commanding, R. E.	
LABUAN AND ITS DEPENDENCIES.		
Labuan.	Governor & Commander-in-Chief.	R. W. Birch, Esq., C.M.G.
FALKLAND ISLANDS.		
Falkland Islands & their Dependencies [Stanley].	Governor & Commander-in-Chief.	W. Grey-Williams, Esq., C.M.G.
His Majesty's Forces in Egypt.		
Commanding.	Major-Genl. Hon. R. A. J. Talbot, C.B.	
Aide-de-Camp.	Captain W. T. Galsford, Seaforth Highlanders.	
Asst. Adj. General.		
Dy. Asst. Adj. General.	Captain A. H. O. Kenney-Herbert, Northampton Regt.	
Staff Captain.	Captain H. B. Protheroe-Smith, 21st Lancers.	
Officer Commanding R. A.	Major (Local Lt.-Col.) D. G. Frinsep, R.A.	
Principal Medical Officer.	Col. W. J. Pawett, R.A.M.C.	
Commanding R. E.	Br. Col. J. C. L. Campbell, R.E.	
Chief Ordnance Officer.	Li. Col. G. R. Atkinson.	
Senior Veterinary Officer.	Very-Major E. J. Lawson.	

The following is a list of Colonial Treasurers, District Paymasters and other Imperial Agents in the Chief Colonies of Great Britain.

Station.	Designation of Agent and Station.
Bahamas.	The Receiver General and Treasurer, Nassau, Bahamas.
Barbados (including British Guiana, Trinidad, &c.)	The District Paymaster, Barbados.
Bermuda.	The District Paymaster, Bermuda.
British Columbia.	The Naval Storekeeper, Esquimalt Yard, British Columbia.
British Honduras.	The Colonial Treasurer, Belize, British Honduras.
Dominion of Canada (except British Columbia) and Newfoundland.	The District Paymaster, Halifax, Nova Scotia.
Cape of Good Hope.	Ditto. Cape Town.
Ceylon.	Ditto. Ceylon.
Cyprus.	Ditto. Cyprus.
Falkland Islands.	The Colonial Treasurer, Falkland Islands.

COLONIAL TREASURERS, &c.—*concl'd.*

Station.	Designation of Agent and Station.
Fiji Islands	The Governor, Fiji Islands.
Gambia	The Colonial Treasurer, Gambia, West Africa.
Gibraltar	The District Paymaster, Gibraltar.
Gold Coast	The Colonial Treasurer, Gold Coast, West Africa.
Hong Kong	The District Paymaster, Hong Kong.
Jamaica	Ditto, Jamaica.
Lagos	The Colonial Treasurer, Lagos, West Africa.
Malta	The District Paymaster, Malta.
Mauritius	Ditto, Mauritius.
Natal	Ditto, Pietermaritzburg, Natal.
New South Wales	The Colonial Treasurer, Sydney, New South Wales.
New Zealand	Ditto, Wellington, New Zealand.
Nova Scotia	Included in the Dominion of Canada (see above).
Queensland	The Colonial Treasurer, Brisbane, Queensland.
Sierra Leone	The Acting District Paymaster, Sierra Leone, West Africa.
South Australia	The Colonial Treasurer, Adelaide, South Australia.
St. Helena	The Acting District Paymaster, St. Helena.
Straits Settlements	The District Paymaster, Straits Settlements.
Tasmania	The Agent for Imperial Expenditure, Hobart, Tasmania.
Transvaal	The District Paymaster, Pietermaritzburg, Natal.
Vancouver's Island	The Naval Storekeeper, Esquimaux Yard, British Columbia.
Victoria	The Colonial Treasurer, Melbourne, Victoria.
Western Australia	Ditto, Perth, Western Australia.

MILITARY ATTACHES TO EMBASSIES AND LEGATIONS AT FOREIGN COURTS.

Lt.-Col. C. A. Lamb	Rome—5th February 1901.
Lt.-Col. Hon. E. J. Montagu-Stuart-Wortley, C.M.G., D.S.O.	Paris—13th July 1901.
Major (Temp.) Lt.-Col. F. R. Mansel, R.A.	Constantinople—20th January 1902.
Major (Temp.) Lt.-Col. W. E. Fitchett, C.M.G., R.A.	Vienne—14th April 1902.
Col. W. H. H. Waters, C.V.O.	Berlin—29th June 1900.
Lt.-Col. C. E. de la P. Bevesford	St. Petersburg—4th May 1895.
Lt.-Col. A. G. Churchill	Tokyo—17th June 1898.
Major C. M. Dunt, D.S.O.	Peking—
Major (Temp.) Lt.-Col. N. W. Barnardiston, Mdx. Regt.	Brussels—17th March 1902.
	Hague—
	Washington—
Lt.-Major Hon. H. D. Napier	Tehran—4th September 1901.

NATIVE INDIAN PRINCES.

HYDERABAD (DECCAN).

His Highness Asaf Jah, Muzaffar-ul-Mulk, Muzaffar-ul-Mumalik, Nizam-ul-Mulk, Nizam-ud-Daula, Nawab Mir Ashtab Ali Khan Bahadur Fatah Jung, C.C.S.I., the Nizam of Hyderabad, was, on attaining his majority, invested with full powers of Administration on the 5th February 1884.

His Highness has now only one son living, the eldest, Sahibzada, Nawab Mir Osman Ali Khan Bahadur, was born on the 8th April 1886.

MYSORE.

His Highness Sri Krishna Raja Wodeyar Bahadur, Maharajah of Mysore, born 4th June 1884, installed 1st February 1895. Assumed the reins of Government on 8th August 1903.

THE CARNATIC FAMILY.

Azim Jah, Umadat-ul-umra, Siraj-ul-umra, Madar-ul-mulk, Umadat-ul-mulk, Azim-ud-daulah, Siraj-ud-daulah, Asad-ud-daulat-ul-anglia, Sir Muhammad Monawar Khan Bahadur, C.C.S.I., Zafiqar Jung, Sipah Salari, Amir-i-Arkat, Prince of Arcoo. (Died at Delhi, January 4th, 1908.)

Nawab Ghulam Muhammad Ghans Khan Bahadur and Abdul Ali Khan Bahadur, brothers of the Prince of Arcot.

TRAVANCORE.

His Highness Sri Padmanabha Dasa Vanchi Raja Sir Rama Varma Kulasekhara Kiripati Manney Sultan Maharaja Raja Ramaraja Bahadur, Shamsheer Jung, Knight Grand Commander of the Most Exalted Order of the Star of India, Fellow of the Madras University, Member of the Royal Asiatic Society, London, Officier de l'Instruction Publique, Maharaja of Travancore, born 23rd September 1857, ascended the Masnad 19th August 1885.

Grand Nieces of the Maharaja.—Her Highness Sattu Lakshmi Bai, Senior Ranees of Travancore, born 19th November 1895; Her Highness Sattu Parvathi Bai, Junior Ranees of Travancore, born 6th November 1896.

Brothers-in-law of the Maharaja.—Kerala Varma, C.S.I., F.M.V., M.B.A.S., F.R.H.S., Valliya Koll Tamburan, married to H. H. the late Senior Rani, Raja Raja Varma, Kuchu Koll Tamburan, married to the late Junior Rani.

COCHIN.

His Highness Sir Rama Varma, C.C.S.I., F.M.V., Raja of Cochin, born 27th December 1892, ascended the Masnad 23rd October 1895.

Cousin of H. H. the Raja.—H. H. Rama Varma, Elaya Raja of Cochin, born 6th October 1893.

There are 55 Princes, the cousins and nephews of H. H. the Raja.

Aunt.—Her Highness Valia Amma Tampuran, born 5th July 1840.

There are 12 female cousins and 57 nieces of H. H. the Raja.

PUDUKOTA.

His Highness Sree Brahadamba Das Raja Marthanda Bhadrava Tendiman Bahadur, Raja of Pudukottai, born in 1875, succeeded to the Chiefship 16th April 1886, and invested with the powers of Administration 27th November 1894.

BANGANAPALLE.

Nawab Shiyid Fath Ali Khan Bahadur, C.S.I., Nawab of Banganapalle, born in 1840, ascended the Masnad 6th February 1899, has three sons, one daughter and one brother.

SANDUR.

Raja Srimant Venkatarao Rao Sahib, Hinda Rao, Ghorapade, Mamukhat-madar, Senapati, Raja of Sandur, born 10th May 1832, succeeded to the Chiefship on 4th December 1892, and recognised 1st April 1899.

Decan.—M. R. R. T. Kodunatram Naidu Garu.
Paternal uncle of the Chief.—Srimant Mulaji Rao Raja Sahib Ghorapade.
Mother of the Chief.—Ranee Rukma Bai Sahib, daughter of Kasi Rao, connected by marriage with the Baroda family.

Step-mother of the Chief.—Ranee Lakshmi Bai Sahib.
Paternal aunt of the Chief.—Raja Bai Sahib.
Step-uncle of the Chief.—Shaba Bai Sahib, married to Govinda Rao Bapu Sahib.

TANJORE.

Widows of His late Highness Maharaja Sringi, who died in 1865.—1. H. H. Matasri Gouramba Bai Sahib; 2. H. H. Matasri Jijamata Bai Sahib; 3. H. H. Matasri Ramakumaramba Bai Sahib; 4. H. H. Matasri Dipamba Bai Sahib.

GOVERNMENT OF INDIA.

VICEROY AND GOVERNOR-GENERAL.

His Excellency The Right Honorable GEORGE NATHANIEL BARNES CURZEN of Kedleston, F.R.S., C.M.S.I., C.M.I.E., took his seat 6th January 1899, (Calcutta).—Pay Rs. 20,900.

VICEROYAL COUNCIL.

EXTRAORDINARY MEMBERS.

His Excellency General Sir Arthur Power Palmer, K.C.B., C.C.I.E., S.C., Commander-in-Chief, took his seat 19th March 1900, (Calcutta).—Pay Rs. 8,832-5-4.

ORDINARY MEMBERS.—Pay Rs. 5,066-10-8.

The Hon. Mr. T. Raleigh, C.S.I., (Sect. at Law), took his seat 3rd April 1899.
" Sir E. F. Law, K.C.M.G., took his seat 21st March 1900.
" Major-General Sir Edmund Roche Ellen, K.C.B., S.C., took his seat 11th April 1901.
" Mr. A. T. Arundel, C.I.E., C.S., took his seat 18th May 1901.
" " D. C. Jell Ibbotson, F.S.I., 5th March 1903.

GOVERNMENT OF MADRAS.

COUNCIL OF FORT SAINT GEORGE—GOVERNMENT OFFICE.

His Excellency The Right Hon'ble ARTHUR OLIVER VILLIERS, *Baron AMPHILL*, C.C.I.E., Governor and President in Council. Took his seat, 28th December 1900.

MEMBERS OF COUNCIL.

The Honorable Sir HENRY MARTIN WINTERBOTHAM, C.S.I., I.C.S., Second in Council.
" " JAMES THOMSON, M.A., C.S.I., I.C.S., Third in Council.

PERSONAL STAFF OF HIS EXCELLENCY THE GOVERNOR.

L. M. Wynch, B.A., I.C.S., Private Secretary.—Pay Rs. 1,500.
Captain W. MacL. Campbell, Royal Highlanders, Military Secretary.
Captain R. D'A. Fife, The Princess of Wales' Own (Yorkshire Regt.), Aide-de-Camp.
Captain H. M. Martin, Officiating Aide-de-Camp.
Captain R. L. Mathew, Extra Aide-de-Camp.
Lieut. Hon. R. Lygon, Grenadier Guards, Extra Aide-de-Camp.
Lieut. Col. C. E. Orington, Hon. Aide-de-Camp.
Subadar-Major Shaikh Fird Bahadur, 1st Madras Lancers, Native Aide-de-Camp.
Major W. Molesworth, M.A., I.M.S., Surgeon.

ADDITIONAL MEMBERS OF COUNCIL FOR MAKING LAWS AND REGULATIONS.

OFFICIAL MEMBERS.

The Honorable Mr. H. A. Sim, C.I.E., I.C.S., Member, Board of Revenue.
" " J. N. Atkinson, I.C.S., Member, Board of Revenue.
" " G. H. Stuart, M.A. (*Bar-at-Law*), Director of Public Instruction.
" " Col. A. W. Smart, B.E., Ag. Joint Secretary to Government, P. W. Dept. (Irrigation branch).
" " Mr. J. E. P. Wallis (*Bar-at-Law*), Advocate-General.
" " Sir Frederick A. Nicholson, K.C.I.E., I.C.S., Member, Board of Revenue.
" " Mr. G. S. Forbes, M.A., I.C.S., Secretary to Government, Revenue Dept.
" " G. Stokes, C.S.I., I.C.S., Chief Secretary to Government.
" " H. Bradley, I.C.S., Member, Board of Revenue.
" " R. V. Srinivasa Aiyar Avargal, Diwan Bahadur, Ag. Insp.-General of Registration.

NON-OFFICIAL MEMBERS.

The Honourable Mr. E. J. Norton (*Bar-at-Law*).
" " Mr. G. Srinivasa Rao, B.A.
" " K. Perarajam Pantulu.
" " P. Ratnasabunpati Pillai, B.A.
" " Nawab Sayid Muhammad Salim Bahadur.
" " Mr. G. L. Aeworth.
" " Maharaja Sri Rao Sir Venkateswatachalapati Ranga Rao Bahadur, K.C.M.S., The Maharaja of Bobbili.
" " Lieut. Col. Sir G. M. J. Moore, Kt., C.I.E.
" " Sir G. G. Arbuthnot, Kt.
" " L. A. Govindaraghava Aiyar.

GOVERNORS OF FORT ST. GEORGE.

Names.	Assumed charge.	REMARKS.
Mr. Aaron Baker	1 Sept. 1652	
Sir Thomas Chamber	1659	
Sir Edward Winter, Kt.	1661	
Mr. George Foxcroft	June 1665	Imprisoned by Sir Edward Winter.
Sir Edward Winter, Kt.	16 Sept. 1665	
Mr. George Foxcroft	22 Aug. 1668	
Sir William Langhorn, Bart.	1670	
Mr. Streyusham Master	27 Jan. 1678	

Governors of Fort St. George—contd.

Names.	Assumed charge.	REMARKS.
Mr. William Gyfford	8 July 1681	
Mr. Elihu Yale	8 Aug. 1684	Acting.
Mr. William Gyfford	26 Jan. 1685	
Mr. Elihu Yale	25 July 1687	
Mr. Nathaniel H. Gibson	23 Oct. 1692	
Mr. Thomas Pitt	7 July 1698	
Mr. Gulstone Addison	18 Sept. 1709	Died at Madras, 17th Oct. 1709.
Mr. Edmund Montague	17 Oct. 1709	Acting.
Mr. William Fraser	3 Nov. 1709	Acting.
Mr. Edward Harrison	11 July 1711	
Mr. Joseph Collet	8 Jan. 1717	
Mr. Francis Hastings	18 Jan. 1729	Acting.
Mr. Nathaniel Elwick	15 Oct. 1721	
Mr. James Mearns	15 Jan. 1725	
Mr. George Morton Pitt	14 May 1730	
Mr. Richard Benyon	23 Jan. 1735	
Mr. Nicholas Morse	17 Jan. 1744	Fort St. George captured, 10th Sept. 1746.
Mr. John Hinde	.....	Deputy Governor of Fort St. David. Appointed President and Governor 24 Jan. 1747, but died before receipt of despatch.
Mr. Charles Floyer	16 Apl. 1747	Dismissed 6 July 1750.
Mr. Thomas Saunders	19 Sept. 1750	Seat of Government re-established at Fort St. George, 5 Apl. 1752.
Mr. George Pigot	14 Jan. 1755	Afterwards Lord Pigot.
Mr. Robert Palk	14 Nov. 1763	
Mr. Charles Bouchier	25 Jan. 1767	
Mr. Josias Du Pre	31 Jan. 1770	
Mr. Alexander Wynch	2 Feb. 1773	
Lord Pigot	11 Dec. 1775	Placed under arrest by majority of his Council, 24 Aug. 1776.
Mr. George Stratton	23 Aug. 1775	Suspl. from the Service.
Mr. John Whitehill	31 Aug. 1777	Acting.
Mr. Thomas Rumbold	8 Feb. 1778	
Mr. John Whitehill	6 Apl. 1780	Acting. Suspended
Mr. Charles Smith	8 Nov. 1780	Acting.
Lord Macartney	22 June 1781	
Mr. Alexander Davidson	18 June 1785	Acting.
Major-General Sir Archibald Campbell, K.B.	6 Apl. 1786	Also Commr.-in-Chief.
Mr. John Holland	7 Feb. 1789	Acting.
Mr. Edward John Holland	13 Feb. 1789	Acting.
Major-General William Meadows	20 Feb. 1790	Also Commr.-in-Chief.
Sir Charles Oakley, Bart.	1 Aug. 1792	
Lord Hobart	7 Sept. 1794	
Lieutenant-General George Harris	21 Feb. 1798	Acting.
Lord Clive	31 Aug. 1798	
Lord William Cavendish Bentinck	30 Aug. 1803	
Mr. William Petrie	11 Sept. 1807	Acting.
Sir George Hilary Barlow, Bt., K.C.B.	24 Dec. 1807	
Lt.-Genl. the Hon. John Abercromby	21 May 1813	Commander-in-Chief and temporary Governor.
Mr. Hugh Elliot	14 Sept. 1814	
Maj.-Genl. Sir Thomas Munro, Bt., K.B.C.	10 June 1820	Died at Pattikonda, 6 July 1827.
Mr. Henry Sullivan Grange	10 July 1827	Acting.
Mr. Stephen Rumbold Lushington	18 Oct. 1827	
Lt.-Genl. Sir Frederick Adam, K.C.B.	25 Oct. 1832	
Mr. George Edward Russell	4 Mar. 1837	Acting.
Lord Elphinstone, G.C.H.	5 Mar. 1837	
The Marquis of Tweeddale, K.T.	24 Sept. 1842	Was also Commander-in-Chief.

Governors of Port St. George—concl'd.

Name.	Assumed charge.	REMARKS.
Mr. Henry Dickinson	23 Feb. 1848	Acting.
Major-Genl. Sir Henry Pottinger	7 Apl. 1848	
Mr. Daniel Ellett	24 Apl. 1854	Acting.
Lord Harris	28 Apl. 1854	
Sir Charles Edward Trevelyan, K.C.B.	28 Mar. 1859	
Mr. William Ambrose Morehead	8 June 1860	Acting.
Sir Henry George Ward, K.C.	8 July 1860	Died at Madras, 6 August 1860.
Mr. William Ambrose Morehead	4 Aug. 1860	Acting.
Col. Sir William Thomas Denison, K.C.B.	18 Feb. 1861	Acting.
Mr. Edward Malby	26 Nov. 1863	
Lord Napier of Merchiston, K.T.	27 Mar. 1866	
Mr. Alexander John Arbuthnot, C.S.I.	19 Feb. 1872	Acting.
Lord Hobart	15 May 1872	Died at Madras, 27 April 1875.
Mr. William Rose Robinson, C.S.I.	29 Apl. 1875	Acting.
The Duke of Buckingham and Chandos, C.S.I.	23 Nov. 1875	
Mr. William Patrick Adam	20 Dec. 1880	Died at Ootacamund 24 May 1881.
Mr. William Hudleston, C.S.I.	24 May 1881	Acting.
Mr. Mountstuart Elphinstone Grant Duff	5 Nov. 1881	
The Hon'ble Robert Bourke, C.S.I.	8 Dec. 1886	Created Baron Connemara.
Mr. John Henry Garstin, C.S.I.	1 Dec. 1890	Acting.
Lord Wenlock, C.S.I.	28 Jan. 1891	
Sir Arthur Elphinstone Havelock, C.S.I.	18 Mar. 1896	
His Excellency The Right Hon'ble Arthur Oliver Villiers, Baron Ampthill, C.S.I.	28 Dec. 1900	

BOMBAY GOVERNMENT.

COUNCIL OF BOMBAY.

His Excellency the Right Hon. HENRY STAFFORD, BARON NORTHCOOTE, C.S.I., Governor and President in Council. Took his seat 17th February 1901.—Pay Rs. 10,000.
 The Hon. Mr. J. Montagu, C.S.I., M.A., (Queen's University, Belfast), Second Member of Council. Took his seat 6th August 1900.—Pay Rs. 5,333-5-4.
 The Hon. Mr. McG. H. Fulton, C.S., Third Member of Council. Took his seat, 24th April 1902.—Pay Rs. 5,333-5-4.

PERSONAL STAFF OF HIS EXCELLENCY THE GOVERNOR.

C. H. A. Hill, Esq., (Bart. at Law), I.C.S., Private Secretary.—Pay Rs. 1,500.
 Lieut.-Col. R. Owen, late 21st Regiment of India Lancers, Military Secretary.—Pay Rs. 1,000.
 Captain the Hon. C. H. B. F. Greville, 7th (The Queen's Own) Hussars, Aide-de-Camp.
 Captain J. G. Greig, 7th Regiment, Bombay Infantry, Aide-de-Camp.
 Capt. M. D. Wood, (The Prince of Wales' Own), West Yorkshire Regiment, Extra Aide-de-Camp.
 Captain C. V. Sloane-Stanley, 12th (Lancers), Extra Aide-de-Camp—(On sick leave).
 Lieut.-Col. E. F. Nicholson, (Bart. at Law), Bombay Volunteer Rifle Corps, Hon. Aide-de-Camp.
 Lieut.-Col. A. G. J. Croly, F.R.C.S., R.A.M.C., Medical Officer.—Pay Rs. 1,000.
 Major J. H. Pollard, 5th Bombay Cavalry, Commandant, H. E. the Governor's Body Guard.
 Capt. J. H. Crawford, 2nd Bombay Lancers, Adjutant to H. E. the Governor's Body Guard.
 Risaldar Shuk Abdul Hamed, Native Aide-de-Camp.

LEGISLATIVE DEPARTMENT.

ADDITIONAL MEMBERS OF THE COUNCIL OF HIS EXCELLENCY THE GOVERNOR FOR MAKING LAWS AND REGULATIONS.

The Honourable The Advocate-General, *Ex Officio*.
 Rao Bahadur A. Bhaskar Dasal, 24th January 1901.
 J. Tate, M.L.C., 30th October 1901.

The Honourable Sir B. Krishna Bhatavadekar, Kt., I.M., 1st July 1901.

" D. A. Khare, B.A., LL.B., 11th July 1901.
 " P. S. P. Leby, C.S.I., C.S., 13th July 1901.
 " Mr A. Shahwan Talpur, 26th July 1901.
 " G. K. Parekh, B.A., LL.B., 26th July 1901.
 " S. G. Madhava Rao Vinchurkar, 21st August 1901.
 " Narayana Rao Govind, 16th September 1901.
 " Ibrahim Rohimsoola, 21st November 1901.
 " Hari S. Dikshit, B.A., LL.B., 20th December 1901.
 " P. M. Mehta, C.I.E., M.A., (Bart. at Law), 27th January 1902.
 " W. C. Hughes, C.I.E., F.R.C.S., 28th January 1902.
 " L. M. Moses, 10th February 1902.
 " W. Greaves, 23rd March 1902.
 " J. Pollen, B.A., LL.B., C.S., 16th April 1902.
 " S. W. Edgerley, C.I.E., C.S., 4th June 1902.
 " S. Balsach, 4th June 1902.
 " D. Melven, 23rd June 1902.
 " Rao Bahadur Chinnai Venilal, C.I.E., 23rd July 1902.
 A. S. A. Westropp, C.S., Secretary.—Pay Rs. 1,250.

SECRETARIES AND UNDER-SECRETARIES, &c., TO GOVERNMENT.

J. W. P. Muir-Mackenzie, M.H.A.C., C.S., Chief Secretary, Political, Special, Judicial and Legislative Departments, and in charge of the Separate Dept.—Pay Rs. 3,750.—(On *ferlo*.)
 W. T. Morison, C.S., Acting do.—Salary Rs. 2,950.
 " P. J. Mead, C.S., Under-Secretary, Revenue, Financial and Separate Departments.—Pay Rs. 1,250.
 Khan Bahadur M. K. Nariman, B.A., Asst. Secretary to Government, Finance Department.—Pay Rs. 620.
 R. B. Vakil, Asst. Secretary, Revenue, Financial and General Departments.—Pay Rs. 600.
 The Hon. S. W. Edgerley, C.S., C.I.E., Secretary, Political, Judicial and Legislative Departments.—Pay Rs. 3,125.
 A. S. A. Westropp, C.S., Under-Secy., Polt., Jnd. and Ednol. Depts., and Secretary to the Council of H. E. the Governor for making Laws and Regulations.—Pay Rs. 1,250.
 W. S. Mongun, Asst. Secretary, Political Department.—Pay Rs. 600.
 J. Bocarro, Junior Assistant Secretary in the Judicial and Legislative Departments.—Pay Rs. 550.
 C. G. H. Fawcett, C.S., Acting Remembrancer of Legal Affairs.—Salary Rs. 1,550.
 H. O. Quinn, C.S., Secretary to Government, Educational, General, Marine and Ecclesiastical Departments.—Pay Rs. 2,500.
 R. E. Enthoven, C.S., Under-Secretary to Government, General Department (Census).—Pay Rs. 900 + 400 D. A.
 A. R. King, Asst. Secretary.—Pay Rs. 650 + Rs. 50 (as Marriage Registrar).
 Hon. Mr. J. Tate, M.L.C., Chief Engineer and Secretary, Public Works Department.—Pay Rs. 2,500.
 F. O. B. Stowbridge, Under-Secretary to Government, Public Works Department.—Pay Rs. 700.—H. R. Rs. 45; Local allowance Rs. 100 + Presidency allowance Rs. 100.
 J. D. Kolatkar, Asst. Secretary to Government, Public Works Department.—Pay Rs. 600.
 J. A. Anderson, Consulting Engineer for Railways and Secretary to Government, Railway Department.—Pay Rs. 1,600 and H. R. 60.

ECCLESIASTICAL ESTABLISHMENT.

The Right Rev. J. MacArthur, Bishop of Bombay.—Pay Rs. 2,133-5-1.—(On leave on M. C.)
 Rev. W. E. Scott, M.A., Archdeacon and Commissary.—Special allowance Rs. 366-10-3.—Acting as Bishop of Bombay.
 J. C. G. Bowen, Registrar of the Diocese.—Pay Rs. 150.

HIGH COURT OF JUDICATURE AT BOMBAY.

CHIEF JUSTICE.

The Hon. Sir L. H. Jenkins, Kt., (Bart. at Law), M.A., (Oxon).—Pay Rs. 5,000.

JUDICIAL JUDGES.

The Hon. E. T. Candy, C.S., (Bart. at Law), ... Pay Rs. 4,000.
 " Badroodun Tyabi, (Bart. at Law), (On *ferlo*) ... " 4,000.
 " L. P. Russell, (Bart. at Law), ... " 4,000.
 " W. H. Crowe, (Bart. at Law), ... " 4,000.
 " N. G. Chandawarkar, B.A., LL.B., ... " 4,000.
 " H. Batty, M.A., (Bart. at Law), C.S., ... " 4,000.

GOVERNMENT LAW OFFICERS.

The Hon'ble B. Scott, B.A., Advocate-General.—Pay Rs. 2,000+200 Office allowance.
 " G. C. Whitcomb, C.S., Remembrancer for Legal Affairs.—Pay Rs. 2,400.
 " C. G. H. Fawcett, C.S., Acting do. do.—Salary Rs. 1,850.
 E. F. Nicholson, Government Solicitor and Public Prosecutor.—Pay Rs. 2,500.
 V. J. Kirtikar, Government Pleader.—Pay Rs. 800.
 L. W. G. Rivett-Carnac, (Bart.-at-Law), Administrator General.—Pay Rs. 250.—(On furl.)
 T. J. Stragman, B.A., LL.B., (Bart.-at-Law), Acting do. —Pay Rs. 250.
 H. C. Kirkpatrick, (Bart.-at-Law), Reporter to the High Court.—Pay Rs. 1,000.

SMALL CAUSE COURT.

BOMBAY.

C. W. Chitty, B.A., (Barrister-at-Law), Chief Judge.—Pay Rs. 2,000.
 Khan Bahadur R. M. Patel, M.A., LL.B., Second Judge.—Pay Rs. 1,350.
 " Kharshedji Manekji Kharshedji, B.A., (Bart.-at-Law), Third Judge.—Pay Rs. 1,150.
 " Muhammad Hussain Hakim, (Bart.-at-Law), Fourth Judge.—Pay Rs. 1,000.
 " J. E. Modi, B.A., (Bart.-at-Law), Fifth Judge.—Pay Rs. 800.

POONA.

Khan Bahadur M. N. Nanavati, B.A., LL.B., Judge.—Pay Rs. 900.

AHMEDABAD.

L. U. Tarvadi, Judge.—Pay Rs. 800.

SURAT AND BROACH.

Rao Bahadur N. N. Nanavati, B.A., LL.B., Judge.—Pay Rs. 800.

KARACHI.

E. Vander Straten.—Pay Rs. 800.

OFFICERS OF THE COURT.

ORIGINAL SIDE.

O. T. Barrow, C.S., Accountant-General.
 A. K. Oliver, M.A., Master and Registrar in Equity and Commissioner for taking Accounts and Local Investigations and Taxing Officer.—Pay Rs. 1,700.
 L. N. Banaji, (Bart.-at-Law), Prothonotary, Testamentary and Admiralty Registrar.—Pay Rs. 1,700—60—2,000.—(On furl.)
 B. D. Sethna, B.A., LL.B., (Bart.-at-Law), Acting do. —Salary Rs. 1,540.
 D. B. Binning, M.A., LL.B., (Bart.-at-Law), Head Assistant, Prothonotary's Office, and Commissioner for taking Affidavits.—Pay Rs. 800.
 E. Wilkin, Asst. Commissioner for taking Accounts and Asst. Taxing Officer.—Pay Rs. 700.
 W. Lane, First Deputy Registrar, Commissioner for taking Affidavits and Clerk to the Chief Justice.—Pay Rs. 300.
 W. J. Howard, Second Deputy Registrar.—Pay Rs. 300.
 The Hon. Mr. M. H. Starling, B.A., (Bart.-at-Law), Clerk of the Crown.—Pay Rs. 500.
 C. W. L. Jackson, B.A., (Bart.-at-Law), Clerk and Sealer of the Insolvent Debtors' Court.
 N. C. Macleod, B.A., (Bart.-at-Law), Official Assignee, Insolvent Debtors' Court.
 B. B. Motiwala, Chief Translator and Interpreter.—Pay Rs. 600.
 H. Narottamas, Sheriff.
 H. J. Miles, Deputy Sheriff.—Pay Rs. 600.
 F. H. de Brito, Senior Judge's Clerk and Commissioner for taking Affidavits.—Pay Rs. 400.

APPELLATE SIDE.

R. D. Sethna, B.A., LL.B., (Bart.-at-Law), Registrar, High Court, Appellate Side.—Pay Rs. 1,200.
 K. F. Modi, B.A., LL.B., Deputy Registrar and Assistant Reporter.—Pay Rs. 600.
 V. V. Tilak, Asst. Registrar and Supt., High Court Press.—Pay Rs. 550.

MISCELLANEOUS APPOINTMENTS.

G. Jacob, C.S., Judicial Commissioner and Judge, Sadr Court, Sindh.—Pay Rs. 2,500.
 L. Robertson, C.S., Commissioner in Sindh.—Pay Rs. 2,750+250.
 Hon. F. S. P. Leiby, C.S., c.s.i. Commissioner, Northern Division.—Pay Rs. 3,500+250+50.
 R. M. Kennedy, C.S., Commissioner, Southern Division.—Pay Rs. 3,500+250+50.
 A. D. Youngblood, C.S., Commissioner, Central Division.—Pay Rs. 3,000+250+50.
 J. Pollen, B.A., LL.B., C.S., (Bart.-at-Law), Commissioner of Customs and Salt and Opium, and British Delegate, Portuguese Treaty, India.—Pay Rs. 3,000+T. A. 250.
 J. E. Down, Inspector-General of Police.—Pay Rs. 1,800+200+30.
 H. Kennedy, c.s.i., Commissioner of Police, Bombay.—Pay Rs. 1,800+H. R. 200.
 H. G. Gell, Deputy Commissioner of Police.—Pay Rs. 1,000+H. R. 150+L. A. 75.
 J. S. Slater, B.A., (Bart.-at-Law), Chief Presidency Magistrate and Revenue Judge.—Pay Rs. 1,600.

P. H. Dastur, M.A., Second Magistrate.—Pay Rs. 1,000.
 K. Chobidas, (Bart.-at-Law), Third Presidency Magistrate.—Pay Rs. 700.
 J. W. S. Dracup, Fourth Presidency Magistrate.—Pay Rs. 600.
 A. W. Lester, Chief Clerk and Secretary to the Committee of Management, Govt. Work-house.—Pay Rs. 600.
 H. N. Alexander, Inspector-General of Prisons.—Pay Rs. 1,500 to 1,900+T. A. 200.
 D. S. Munsiffa, Personal Asst. do. —Pay Rs. 350.
 W. P. Symonds, C.S., Director of Land Records and Agriculture and Inspector-General of Registration and Registrar-General of Births, Deaths and Marriages.—Pay Rs. 2,825+T. A. 30.
 P. Byrne, (Bart.-at-Law), Coroner.—Pay Rs. 350+C. A. Rs. 60.
 Surg.-General Geo. Bainbridge, M.D., I.M.S., Surgeon-General.—Pay Rs. 2,500.
 Captain J. H. Macdonald, M.B., C.M., I.M.S., Personal Assistant to Surgeon-General.—Pay Rs. 600—H.R. 75.
 Lieut.-Col. J. W. Clarkson, Sanitary Commissioner.—Pay Rs. 1,200—120—1,800.
 J. C. Pottinger, M.T.C.M., Sanitary Engineer.—Pay Rs. 1,600.
 E. Giles, M.A., Director of Public Instruction.—Pay Rs. 2,000—100—2,500.
 F. G. Selby, M.A., Principal, Deccan College.—Pay Rs. 1,000+P. A. 500.
 M. MacMillan, B.A., Principal, Elphinstone College.—Pay Rs. 1,250—50—1,500.
 F. L. Sprot, Principal, College of Science, Poona.—Pay Rs. 850+T. A. 220.
 C. L. Burns, Principal and Decorative Artist and Architectural Sculptor, Sir J. J. School of Arts and Industry.—Pay Rs. 800+H. R. 100.
 E. W. Waddington, M.A., Principal, Rajkumar College.—Pay Rs. 1,500.
 M. R. Jardine, B.A., (Bart.-at-Law), Principal, Govt. Law School.—Allowance Rs. 350.
 Lieut.-Col. W. K. Hatch, M.B., C.M., F.R.C.S., I.M.S., Principal, Medical College.—Pay Rs. 1,000.
 Vety.-Major J. Brodie-Mills, M.A.C.V.S., Principal and Professor of Veterinary Science.—Pay Rs. 1,250+L. A. 100+C. A. 35, H.R. 30.
 R. C. Wroughton, late I.N., Conservator of Forests, 1st Gr., Central Circle.—Pay Rs. 1,600+T. A. 200.—(On dep.)
 T. B. Fry, Conservator of Forests, 3rd Gr., Central Circle.—Pay Rs. 1,100+T. A. 200.
 W. A. Talbot, Conservator of Forests, Northern Circle.—Salary Rs. 1,400+T. A. 200.
 R. S. F. Pagan, Officiating Conservator of Forests, Southern Circle.—Salary Rs. 1,200+T. A. 200.
 E. Gray, (Bart.-at-Law), C.S., Collector of Bombay, and Supt. of Stamps and Stationery, and also Commissioner of Income Tax (Rs. 150).—Pay Rs. 2,325.
 Major G. Davidson, R.E., Mint Master and Mint Engineer.—Pay Rs. 2,000—Acting Senior Mint Master.—Salary Rs. 2,000—10—8.
 W. Maxwell, C.S., Postmaster-General.—Pay Rs. 1,500+H. R. 125.
 W. Merrat, Presidency Postmaster.—Pay Rs. 1,000.
 C. W. Swerby-Coe, Chief Superintendent, Telegraph Department.—Pay Rs. 850+100+H. R. 45.
 O. T. Barrow, C.S., Accountant-General.—Pay Rs. 2,750+L. A. 250.
 G. D. Padamji, Deputy Accountant-General.—Pay Rs. 1,250.—(On furl.)
 K. B. Wagle, M.A., do. —Salary Rs. 1,100.
 W. L. Harvey, C.M.E., C.S., Municipal Commissioner, Bombay.—Pay Rs. 2,500.
 J. A. Turner, M.D., Health Officer to the Municipality of Bombay.—Pay Rs. 1,500.
 R. H. H. Hopkins, Shipping Master.—Pay Rs. 600.
 Mirza Abbas Ali Baig, B.A., C.S., Oriental Translator to Government.—Pay Rs. 800.
 J. Bocarro, Portuguese Translator to Government.—Pay Rs. 75.
 J. Macfarlane, Librarian, Imperial Library, Calcutta.—Pay Rs. 1,050.
 Gopal Moreswar Sathu, B.A., Reporter on the Native Press and Registrar of Native Publications.—Pay Rs. 400.
 H. Couzens, Superintendent, Archaeological Survey.—Pay Rs. 650.
 E. A. Kenyon, M.A.C.S., Meteorological Reporter for Western India.—Pay Rs. 800.
 R. A. F. Moos, B.Sc., F.R.C.S., F.C.S., Sub. pro tem. Director of Government Observatory at Colaba.—Pay Rs. 500+150 from the Port Trust.
 E. E. Coombs, Superintendent, Government Central Press.—Pay Rs. 600.
 Captain C. A. M. Williams, B.A., Chief Inspector of Explosives with the Government of India.—Pay Rs. 1,450—2,000.
 T. Drawet, Inspector of Steam Boilers and Prime Movers.—Pay Rs. 650+C. A. 50.

GOVERNORS OF BOMBAY.

Names.	Assumed charge of office.	Remarks.
The Hon. Sir Gervase Lucas	5 Nov. 1666	Died 21st May 1667.
Captain Henry Garey	22 May 1667	Officiating [1669]
Sir George Oxden	22 Sept. 1668	Died in Surat 14th July
Mr. Gerald Aungier	14 July 1669	Do. 30th June 1677.

Names.	Assumed charge of office.	REMARKS.
Mr. Thomas Rolt	30 June 1677	
Sir John Child, <i>Bart.</i>	27 Oct. 1681	
Mr. Barth Harris	4 Feb. 1690	Died, 10th May 1694.
Mr. Daniel Annesley	16 May 1694	Officiating.
Sir John Gayer	17 May 1694	
Sir Nicholas Waite	Nov. 1704	
Mr. William Aislabie	Sept. 1708	
Sir Stephen Strutt	1715	Officiating.
Mr. Charles Boone	1716	
Mr. William Phipps	1720	
Mr. Robert Cowan	1728	Dismissed from the service.
Mr. John Horne	22 Sept. 1734	
Mr. Stephen Law	7 Apl. 1739	
Mr. William Wake	26 Nov. 1742	
Mr. John Goekke	15 Nov. 1742	Officiating.
Mr. Richard Bouchier	17 Nov. 1750	
Mr. Charles Crommelin	20 Feb. 1760	
Mr. Thomas Hodges	27 Jan. 1767	Died 23rd Feb. 1771.
Mr. William Hornby	20 Feb. 1771	
Mr. Rawson Harr Boddian	1 Jan. 1784	
Mr. Andrew Hammett	9 Jan. 1788	Officiating.
Major-Genl. Sir W. Meadows, K.B.	6 Sept. 1788	
Major-Genl. Sir Robert Abercromby, K.B.	21 Jan. 1790	
Mr. George Dick	1 Nov. 1793	Officiating.
Mr. John Griffiths	3 Sept. 1795	Officiating.
Mr. Jonathan Duncan	27 Dec. 1795	Died in Bombay, 11th August 1811.
Mr. George Brown	11 Aug. 1811	Officiating.
Sir Evan Nepean, <i>Bart.</i>	12 Aug. 1812	
The Hon. Mountstuart Elphinstone	1 Nov. 1819	
Major-Genl. the Hon'ble Sir John Malcolm, K.C.B.	1 Nov. 1827	
Lieut-Genl. the Hon'ble Sir Thomas Sidney Beckwith, K.C.B.	1 Dec. 1830	Died, 15th Jan. 1831.
Mr. John Bowser	17 Jan. 1831	Officiating.
The Earl of Clare	21 Mar. 1831	
Sir Robert Grant, G.C.B.	17 Mar. 1835	Died at Dapuri, near Poona, 9th July 1838.
Mr. James Farish	11 July 1838	Officiating.
Sir J. Rivett-Carnac, <i>Bart.</i>	31 May 1839	
Sir William Hay Macnaghten, <i>Bart.</i>		Appointed 4th August 1841, but before he could take charge was assassinated in Cabul on the 28th September 1841.
Mr. George William Anderson	28 Apl. 1841	Officiating.
Sir George Arthur, <i>Bart.</i> , K.C.H.	9 June 1842	
The Hon'ble Mr. Leacock Robert Reid	6 Aug. 1846	
Sir George Russell Clerk, K.C.B.	23 June 1847	
Viscount Falkland	1 May 1848	
Lord Elphinstone, G.C.B.	26 Dec. 1853	
Sir George Russell Clerk, K.C.B.	11 May 1863	
Sir Henry Bartle Frere, K.C.B., G.C.S.I.	24 Apl. 1862	
Sir William Robert Seymour Fitzgerald, G.C.S.I.	6 Mar. 1867	
Sir Philip Edmond Woodhouse, K.C.B., G.C.S.I.	6 May 1873	
Sir Richard Temple, <i>Bart.</i> , G.C.S.I., C.I.E.	30 Apl. 1877	
Hon. L. R. Ashburner	13 Mar. 1880	Officiating.
Sir James Fergusson, <i>Bart.</i> , K.C.M.G., C.I.E.	28 Apl. 1880	
The Rt. Hon'ble Lord Reay, L.L.D., G.C.I.E.	30 Mar. 1885	
The Rt. Hon'ble Lord Harris	12 Apl. 1890	
The Rt. Hon'ble William, Baron Sandhurst	18 Feb. 1895	
The Rt. Hon'ble H. Stafford, Baron Northcote, G.C.I.E.	17 Feb. 1900	

BENGAL.

COUNCIL OF THE LIEUT.-GOVERNOR OF BENGAL FOR MAKING LAWS AND REGULATIONS.

PRESIDENT.

The Hon. Mr. J. A. Bourdillon, C.S.I., C.S., Lieut.-Governor of Bengal (Temp.)—Pay Rs. 8,333-5-4 + Household allowances, Rs. 1,000.

COUNCILLORS.

The Hon. C. E. Buckland, C.S.I., 23rd June 1902. The Hon. Dr. Asutosh Mukhopadhyaya, M.A., B.L., F.R.A.S., F.R.S.E., 6th August 1901.
 " Behari Lal Gupta, 17th March 1902. " Babu Chatterbhooj Sahay, 20th August 1901.
 " J. T. Woodroffe, (*Bart.-at-Law*), Advocate-Genl., 2nd January 1902. " Babu Joy Gobind Law, C.I.E., 27th August 1901.
 " W. G. Macpherson, 11th March 1902. " Maharajah Marindra Chandra Nandy of Kazimbazaar, 3rd December 1901.
 " E. W. Collin, 27th May 1902. " Mr. H. Elsworth, 26th March 1902.
 " D. B. Horn, 22nd July 1902. " A. A. Apear, 29th March 1902.
 " R. T. Greer, 29th January 1901. " Maulvi Saif-ul-Islam, Khan Bahadur, 26th July 1902.
 " Takini Kumar Ghose, 19th Feb. 1901. " Asif Kaur Saif-ud-Daula Ali Khan, 18th January 1901.
 " Maulvi Saif-ud-Daula Khan Bahadur, 27th May 1902. " Maharajah Jagadish Chandra Prasad Singh Bahadur, K.C.I.E., of Gidhaur, 26th January 1901.

Major J. Strachey, Private Secretary.—Pay Rs. 6,000.
 Lieut. B. H. Bignall, Aide-de-Camp.
 Lieut.-Col. J. Hodding, Honorary Aide-de-Camp.
 Commander E. J. Beaumont, R.L.M., Honorary Aide-de-Camp.
 Hon. C. E. Buckland, C.S.I., Chief Secy. Judl. and Polit. Depts.—Pay Rs. 3,333-5-4.
 F. A. Slacks, C.S.I., Secy. in the General, Revenue and Statistical Depts.—Pay Rs. 2,750.
 Hon. W. C. Macpherson, Offg. do. do. —On dep.
 E. N. Baker, C.S.I., Secy. in the Financial and Municipal Depts.—Pay Rs. 2,750.—On dep.
 Hon. E. W. Collin, Offg. Secy. do. do.
 H. L. Stephenson, Under-Secy., Judicial, Polit. and Appt. Depts.—Pay Rs. 1,000.
 H. C. Woodman, Under-Secy., Financial and Municipal Depts.—Pay Rs. 1,000.
 L. E. B. Cadden-Bamsey, Under-Secy., General, Revenue and Statistical Depts.—Pay Rs. 1,000.
 F. G. Wigley, (*Bart.-at-Law*), Secretary to the Bengal Council and Asst Secy., Legsl. Dept.—Pay Rs. 1,000.
 Hon. D. B. Horn, Secretary to Govt. and Chief Engineer, Irrigation and Marine Branches.—Pay Rs. 1,000.
 D. Joscelyne, Secy. to Govt. and Chief Engineer, Railway Civil Works and General Branches.—Pay Rs. 2,000.
 Hon. C. W. Bolton, C.S., C.S.I., Member, Board of Revenue, Land Rev. Dept.—Pay Rs. 4,000.
 Hon. J. S. Bourdillon, C.S.I., do. Mis. Rev. Dept.—Pay Rs. 4,000.—On dep.
 Hon. E. W. Collin, C.S., Secy., Board of Revenue.—Pay Rs. 2,500.
 H. Wheeler, Junior Secretary.—Pay Rs. 1,800.
 P. C. Lyon, Director of Land Records.—Pay Rs. 1,800.
 W. J. Macpherson, C.I.E., C.S., Collector, Custom House.—Pay Rs. 2,250.
 R. G. Girard, Collector of Income Tax.—Pay Rs. 700 to 1,000.
 A. Earle, Commissioner of Excise and Salt.—Pay Rs. 2,250 + L. A. Rs. 250.
 Chunder Naurin Singh Bahadur, B.A., Collector of Stamp Revenue, Calcutta.—Pay Rs. 1,000.
 C. F. Manson, Superintendent of Stamps and Stationery.—Pay Rs. 1,000 to 1,500.
 T. A. Pearson, (*Bart.-at-Law*), Chief Presidency Magistrate.—Pay Rs. 1,500.
 The Hon. Nawab Saif-ud-Daula Khan, C.I.E., Presidency Magistrate, Northern Division.—Pay Rs. 1,200.
 R. S. Greenshields, Offg. Commissioner, Chittagong Division.—Pay Rs. 2,916-10-8 + 250.
 F. A. Slacks, Offg. Commissioner, Chota Nagpore Division.—Pay Rs. 2,916-10-8 + 250.
 R. R. Pope, C. S., Judicial Commissioner, Chota Nagpore.—Pay Rs. 3,000.
 K. G. Gupta, (*Bart.-at-Law*), Commissioner, Orissa Division, and Supt. of Tributary Mahals.—Pay Rs. 2,916 + 250.

- L. Hare, C.I.E., C.S., Commr. Patna Division.—Pay Rs. 2,918-10-8 + 250.
 M. Farnicane, C. S., C.S.I., M.A., Commissioner, Presidency Division.—Pay Rs. 2,915-10-8 + 250.
 C. R. Marindin, Commr., Rajshahye, Cooch Behar Division.—Pay Rs. 2,916-10-8 + 250.
 H. C. Williams, C.S., Commissioner, Bhagalpur Division.—Pay Rs. 2,915-10-8 + 250.
 H. Savage, C.S., Commissioner, Dacca Divn.—Pay Rs. 2,916-10-8 + 250.
 H. M. Kisch, Offg. do. do. do.
 W. D. Blyth, M.A., M.D., C.S., Opium Agent, Behar.—Pay Rs. 2,500 to 3,000.
 F. O. Baillie, C.S., Opium Agent, Benares.—Pay Rs. 2,500.
 Hon. R. T. Groer, C.S., Chairman of the Corporation of the Town of Calcutta, and Commissioner of Police.—Pay Rs. 3,300 + House allowance, Rs. 250.
 N. Muckerji, M.A., B.L., Vice-Chairman of Calcutta.—Pay Rs. 1,200.
 J. H. Luce, Conservator of Forests.—Pay Rs. 1,200.
 J. C. E. Branson, C.S., Accountant-General.—Pay Rs. 2,500.—*On Dep.*
 W. H. Michael, C.S., Offg. do. do.—Pay Rs. 2,000 + L. A. 250.
 G. C. Ray, Deputy Accountant-General.—Pay Rs. 1,333-5-4.—*On Dep.*
 J. C. Mitra, M.A., B.L., Offg. Deputy Accountant-General.—Pay Rs. 760.
 W. R. Bright, C.S.I., C. S., Inspector-General of Police.—Pay Rs. 2,500.
 R. A. D'O. Bignell, Commissioner of Police.—Pay Rs. 1,750.
 Hon. T. K. Ghose, M.A., Inspector-General, Registration Dept.—Pay Rs. 1,350.
 B. L. Chandra, Registrar of Calcutta, and also Registrar of Joint Stock Companies.—Pay Rs. 400.
 A. U. Fanshawe, C.S.I., C.S., Director-General of the Post Office of India.—Pay Rs. 3,000.
 A. H. Anthony, Comptroller, Post Office.—Pay Rs. 2,250 + House Rent, Rs. 125.
 E. J. Badshah, C.S., Postmaster-General.—Pay Rs. 2,550 + House Rent, Rs. 125.
 J. Owens, Presidency Postmaster.—Pay Rs. 1,000.
 Major W. J. Buchanan, I.M.S., Inspector-General of Jails, Bengal, and *Ex-officio* Deputy Sanitary Commissioner.—Pay Rs. 2,000.
 A. Pedler, C.I.E., F.R.S., Director of Public Instruction.—Pay Rs. 2,400 to 2,500.
 Col. S. H. Headley, V.D., C.I.E., Inspector-General of Civil Hospitals.—Pay Rs. 2,250.
 Major H. J. Dyson, Sanitary Commissioner.—Pay Rs. 1,800.
 Dr. W. Forsyth, Health Officer, Port of Calcutta.—Pay Rs. 1,200 + 100 House Rent.
 A. E. Silk, M.B.E.C.E., Sanitary Engineer.—Pay Rs. 700 + L. A. 100.
 C. Banks, M.D., D.P.H., Protector of Emigrants and Superintendent of Emigration.—Pay Rs. 1,200 + 100.
 E. J. Beaumont, Comdr., Port Officer and Master Attendant.—Pay Rs. 1,750.
 T. A. Pearson, Judge of the Court for the trial of Pilots.—Pay Rs. 200.
 C. Little, Meteorological Reporter to Government.—Pay Rs. 300 to 450.
 A. C. Edwards, M.A., Principal, Presidency College.—Pay Rs. 1,300; also Registrar of Calcutta University.—Pay Rs. 1,250.
 J. S. Slater, Principal, Civil Engineering College.—Pay Rs. 1,400.
 E. F. Mosdy, F.C.S., Principal, Dacca College.—Pay Rs. 1,310.
 W. H. Jobbins, Superintendent of the Government School of Art and Art Gallery.—Pay Rs. 1,000.
 Lieut.-Col. J. Bomford, M.D., I.M.S., Principal, Medical College, Calcutta.—Pay Rs. 1,800.
 Major D. Prain, M.A., Superintendent, Royal Botanic Gardens.—Pay Rs. 1,300.
 C. A. Walsh, Special Inspector of the Factories in Bengal.—Pay Rs. 700.
 Chunder Nath Bose, M.A., B.L., Bengali Translator to Government.—Pay Rs. 400.
 W. Ross, Superintendent, Government Printing in Bengal.—Pay Rs. 1,000.
 S. M. Jharkundy, B.A., Urdu and Hindi Translator to Government.—Pay Rs. 300 to 400.
 Captain A. T. Gage, Curator of Herbarium, Royal Botanic Garden.—Pay Rs. 450 + 100.
 C. Patnaik, B.A., Uriya Translator.—Pay Rs. 260.
 Rajendra Chandra Sastri, M.A., Librarian, Bengal.—Pay Rs. 200 to 250.

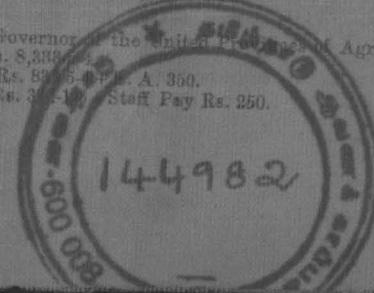
POLITICAL RESIDENTS, CHIEF COMMISSIONERS, &c.

- Brigr.-Genl. O. M. Creagh, V. C., Commanding Aden Brigade and Political Resident, and in charge of Vice-Admiralty Court, Aden.—Pay Rs. 3,000 + 500 Sumptuary allowance.
 The Hon. Lt.-Col. D. W. K. Barr, F.R.S.I., Resdt., 1st Class, Hyderabad.—Pay Rs. 4,000 + 1,000 Sumptuary allowance.
 J. A. Crawford, Commissioner, Hyderabad Assigned Districts, (Berar).—Pay Rs. 2,750.
 Major T. W. Haig, First Assistant and Secretary for Berar to the Resident.—Pay Rs. 1,033-5-4 + L. A. 250.
 Lieut.-Col. F. S. Sorell, Military Secretary to the Resident, Hyderabad.
 Major H. E. Drake-Brockman, Residency Surgeon, Hyderabad.—Pay and allowance Rs. 2,456-3-0.
 P. S. Bullock, C.I.E., C.S., Commissioner, Berar.—Pay Rs. 2,750.
 R. Obbard, C.S., Judicial Commissioner.—Pay Rs. 2,750.
 A. Elliot, Civil and Sessions Judge, Amraoti, Pay Rs. 833-5-5.
 Lt. Col. W. Hastings, I.S.C., Inspector-General of Police, Jails, Registration and Stamps, Hyderabad.—Pay Rs. 1,833-5-4.
 Lieut.-Col. C. L. Swain, M.D., M.C., D.P.H., I.M.S., Sanitary Commissioner, Inspector-General of Dispensaries and Superintendent of Vaccination, Hyderabad Assigned Districts.—Pay Rs. 1,200 + 200.

- G. H. Candy, M.A., LL.M., Director of Public Instruction, Hyderabad.—Pay Rs. 750 to 900.
 The Hon. C. S. Bayley, C.S., Resident, 1st Class, and Agent to the Governor-General and Resident, 1st Class, Indore, Central India.—Pay Rs. 4,000 + 250.
 Major C. H. Pritchard, S.O., Resident, 2nd Class, Gwalior.—Pay Rs. 1,500.
 Major F. B. Youngblood, S.O., Resident, Indore.—Pay Rs. 1,733-5-4.
 Hon. Lieut.-Col. D. Robertson, C.S.I., S.O., Resident of Mysore and Chief Commr., Coorg, 1st Class.—Pay Rs. 4,000 + L. A. 500.
 G. L. S. Russell, Secretary to the Chief Commissioner of Coorg.—Pay Rs. 1,000 + L. A. 250.
 Colonel R. G. Jones, Madras Landers, Military Assistant, Mysore Government.
 Captain R. F. Standage, Residency Surgeon, Bangalore.—Pay Rs. 550 + 200.
 L. T. Harris, C.S., Dist. Magistrate, Collector and President, Municipal Corporation, Civil and Military Station, Bangalore, and *Ex-officio* Ass. to the Resident.—Pay Rs. 1,000.
 P. S. Krishna Rao, Civil and Sessions Judge, Civil and Military Station, Bangalore.—Pay Rs. 500 to 800.
 H. H. Wilkinson, Supt. of Police, Civil and Military Station, Bangalore.—Pay Rs. 700 + allowance Rs. 100.
 Abdul Rahim, Khan Bahadur, 2nd Magistrate, Civil and Military Station, Bangalore, and in charge of the Treasury.—Pay Rs. 300 + P. A. 50.
 Hon. A. H. T. Martindale, C.S.I., C.S., Chief Commissioner and Resident, 1st Class, Ajmere-Meywar, and Agent to the Governor-General, Rajputana.—Pay Rs. 4,000 + Special allowance Rs. 250.
 Lieut.-Col. M. J. Meade, C.I.E., S. C., Resident, 2nd Class, and Agent to the Governor-General, Baroda.—Pay Rs. 2,500.
 A. L. P. Tucker, C.I.E., C.S., Resident, 2nd Class, in Meywar.—Pay Rs. 2,000.
 H. V. Cobb, C.S., Resident, 2nd Class, Jeypore.—Salary Rs. 2,000 + Sp. A. Rs. 100.
 Major K. D. Erskine, S.O., Resident, 2nd Class, Western State of Rajputana (Jodhpore).—Pay Rs. 1,800.
 Col. H. A. Vincent, S.O., Resident, 2nd Class, in Bikaner.—Pay Rs. 2,000.
 Lieut.-Col. T. C. Peart, S.O., Resident, 2nd Class, Nepal.—Pay Rs. 2,250 + L. A. 250.
 L. W. Dane, C.S., Resident in Kashmir.—Pay Rs. 2,750 + Sumptuary allowance Rs. 250.
 Major P. J. Melville, S. C., Offg. Resident, 2nd Class, and Political Resident, Turkish Arabia.—Pay Rs. 2,500.
 Lieut.-Col. Sir R. C. Temple, Bart. C.I.E., Chief Commissioner of the Andamans and Nicobar Islands, and Superintendent of Port Blair.—Pay Rs. 3,000.
 The Hon. Mr. J. T. Woodroffe, (Bart.-at-Law), Advocate-General.—Pay Rs. 3,135.
 P. O'Kinealy, (Bart.-at-Law), Standing Counsel.—Pay Rs. 1,333-5-4.
 H. C. Eggar (Bart.-at-Law), Solicitor to Government.—Pay Rs. 2,000.
 R. Sheepshanks, C.S., (Bart.-at-Law), Registrar, High Court, Calcutta, (Appellate Jurisdiction).—Pay Rs. 2,000.
 W. R. Fink, do. do. (Original do.).—Pay Rs. 1,875.
 H. T. Hyde, (Bart.-at-Law), Administrator-General.—Pay Rs. 2,000.
 Surgeon-General B. Franklin, I.M.S., C.I.E., Director General, Indian Medical Service, and Sanitary Commissioner with the Government of India.—Pay Rs. 2,700.
 Major J. T. W. Leslie, M.A., Secretary to the Director-General and Sanitary Commissioner.—Pay Rs. 1,400.
 Lt.-Col. M. J. Meade, C.I.E., S.O., Resident, 2nd Class, and Political Resident, Persian Gulf.—Pay Rs. 2,500 + 250.
 G. R. Irwin, C.S., Resident, 2nd Class, and General Superintendent of Operations for Thagi and Dakaiti.—Pay Rs. 2,250.
 The Hon. Col. C. E. Yate, C.S.I., C.M.G., C.S., Resident, 1st Class, and Agent to the Governor-General in Baluchistan.—Pay Rs. 4,000 + S. A. 500 + F. T. 250.
 Lieut.-Col. J. F. Whyte, S.O., Agent to the Governor-General of India and H. M.'s British Consular-General for Khorassan and Seistan, and Additional Resident, 2nd Class.—Pay Rs. 1,066-10-3 + L. A. 250, Sumpt. allowance Rs. 400.
 A. F. de Laessoe, C.M.G., C.I.E., Political Agent, 2nd Class (Offg. 1st Class), and Polt. Officer in charge of the ex-Amir.—Salary Rs. 2,000 + H. R. 1,700 per annum.

UNITED PROVINCES OF AGRA AND OUDH.

- The Hon. J. J. D. LaTouche, K.C.S.I., Lieut.-Governor of the United Provinces of Agra and Oudh.—Pay Rs. 8,333-5-4.
 H. G. S. Tyler, C.S., Private Secretary.—Pay Rs. 833-5-4 + L. A. 350.
 Capt. E. H. D. Stracey, Aide-de-Camp.—Pay Rs. 300 + Staff Pay Rs. 250.



ADDITIONAL MEMBERS FOR MAKING LAWS AND REGULATIONS.

The Hon. Babu Sri Ram, Rai Bahadur, 16th October 1900.
 Pandit Bishambhar Nath, 10th October 1900.
 T. Conlan, (*Bart.-at-Law*), 16th October 1900.
 Nawab Mumtaz-ud-daula, Mahammad Faiyaz Ali Khan, 15th October 1900.
 J. S. Meston, C.S., 9th March 1901.
 D. T. Roberts, C.S., 26th June 1901.
 A. McRobert, 26th June 1901.
 Rae Nihal Chand Bahadur, 16th October 1900.
 Munshi Macho Lal, 16th October 1900.
 Raja Tasadug Rasul Khan, C.S., 16th October 1900.
 A. W. Cruickshank, C.S., 28th March 1901.
 W. H. L. Impey, C.S., 18th December 1901.
 J. B. Gill, C.S., 3rd April 1902.
 J. Hooper, C.S., 4th June 1902.

J. O. Miller, C.S., Chief Secy. to the Govt., North-West Provinces.—Pay Rs. 3,000.—On dep.

Hon. W. H. L. Impey, C.S., C.S., Offg. Chief Secretary.—Pay Rs. 3,000.
 L. M. Thornton, C.S., Second Secretary to Govt.—Pay Rs. 2,250.—On Special duty.
 H. D. Griffin, C.S., Offg. Second Secretary.
 J. S. Meston, Third Secretary to Government.—Pay Rs. 2,250.
 H. T. Morgan, C.S., Under-Secretary.—Pay Rs. 1,000.
 C. F. Balfour, C.S., do.—Pay Rs. 1,000.
 J. Campbell, C.S., do.—Pay Rs. 833-5-4 + E. A. 200.
 W. A. Nightingale, Secretary to Government, P. W. Department, Buildings and Roads and Railway Branches.—Pay Rs. 2,500.
 A. B. Gale, Offg. Under-Secretary to do.
 O. G. Palmer, C.S., Secretary to Government, P. W. Dept., Irrigation Branch.—Pay Rs. 2,500.
 C. E. Hall, Under-Secretary to Government, P. W. Dept., Irrigation Branch.—Pay Rs. 2,500.
 W. R. Butterfield, Assistant Secretary to Government in the Public Works Department.
 F. B. Hebbert, Consulting Engineer for Railways.—Pay Rs. 2,000.
 D. C. Baillie, B.A., C.S., Opium Agent, Gazipur.—Pay Rs. 2,000 to 3,000 + T.A. 250.
 A. B. Bruce, C.S., Insp.-Genl. of Regn. and Commr. of Excise and Stamp, and also Registrar of Joint Stock Companies.—Pay Rs. 2,250.
 R. Scott, C.S., (*Bart.-at-Law*), Judicial Commissioner, Oudh.—Pay Rs. 3,500.
 G. T. Spaulde, (*Bart.-at-Law*), First Addl. Judicial Commissioner.—Pay Rs. 3,333-5-4.
 M. Nihal-ud-din Ahmad, Registrar to Judicial Commissioner.—Pay Rs. 750.
 Babu N. N. Ghosal, B.A., B.L., Govt. Pleader for Oudh, and Public Prosecutor for all cases coming before the Judicial Commissioner, Oudh.—Pay Rs. 200.
 D. T. Roberts, C.S., Senior Member, Board of Revenue.—Pay Rs. 3,500.
 R. G. Hardy, Junior Member, Board of Revenue.—Pay Rs. 3,500.
 H. F. House, C.S., Secy. to the Board of Revenue.—Pay Rs. 2,000.
 R. W. Gillian, C.S., Joint Secretary.—Pay Rs. 1,533-5-4.
 Babu Boleshwar Prasad, B.A., Junior Secretary.—Pay Rs. 700 + L.A. 150.
 E. B. Alexander, Commissioner, Meerut Division.—Pay Rs. 2,916-10-8 + 250.
 A. M. W. Shakespeare, Offg. Commissioner, Benares Division.—Pay Rs. 2,916-10-4 + 250.
 J. W. Cruickshank, (*Bart.-at-Law*), C.S., Commr., Rohilkhand Division.—Pay Rs. 2,916-10-8 + 250.
 H. W. W. Reynolds, C.S., Offg. Commissioner, Agra Division.—Pay Rs. 2,916-10-8 + 250.
 J. B. Thomson, Commissioner, Lucknow Division.—Pay Rs. 2,500 + 250.
 Lieut.-Col. G. W. Anson, Commr., Oudh Division.—Pay Rs. 2,916-10-4 + T.A. 250.
 P. Gray, Offg. Commissioner, Allahabad Division.
 Lieut.-Col. G. W. Anson, Commr., Fyzabad Division.—Pay Rs. 2,916-10-8 + 250.
 J. S. C. Davis, Offg. Commissioner, Kumaon Division.—Pay Rs. 2,000 + 250.
 H. C. A. Conybiere, Commissioner, Gorakhpur Division.—Pay Rs. 2,916-10-8 + 250.
 R. M. Dane, C.S., Commissioner of Northern India Salt Revenue.—Pay Rs. 2,500.

JUDICIAL DEPARTMENT.

The Hon. Sir A. Strachey, Kt., B.A., LL.B., (*Bart.-at-Law*), Chief Justice, High Court, Allahabad.—Pay Rs. 5,000.
 G. E. Knox, C.S., Puisne Judge.—Pay Rs. 4,000.
 H. F. Blair, (*Bart.-at-Law*), Puisne Judge.—Pay Rs. 4,000.
 P. C. Banerji, B.A., B.L., Puisne Judge.—Pay Rs. 4,000.
 W. R. Buckton, C.S., (*Bart.-at-Law*), Puisne Judge.—Pay Rs. 4,000.
 R. S. Altman, C.S., Puisne Judge.—Pay Rs. 4,000.
 H. N. Wagh, C.S., Registrar.—Pay Rs. 1,600.
 J. W. Ward, Deputy Registrar.—Pay Rs. 500 to 800.
 C. V. Jacob, Assistant Registrar.—Pay Rs. 500.
 J. E. Gill, C.S., Legal Remembrancer.—Pay Rs. 2,500.

W. K. Porter, (*Bart.-at-Law*), Law Reporter and Asst. Govt. Advocate.—Pay Rs. 700.
 M. G. Muljaba, Government Pleader.—Pay Rs. 300.
 E. M. D. C. Chatterji, (*Bart.-at-Law*), Govt. Advocate.—Pay Rs. 1,500.
 Salyid Akbar Hussain Khan Bahadur, Small Cause Court Judge, Allahabad.—Pay Rs. 800 to 1,000.
 Babu Nilwadh Bab Rao, B.A., B.L., do. Cawnpore.—Pay Rs. 800.
 Lala Baji Nath, B.A., Rai Bahadur, do. Agra.—Pay Rs. 800.
 Rai Indra Narayan, do. Benares.—Pay Rs. 800.
 Mohammad Rafiq, B.A., (*Bart.-at-Law*), do. Lucknow.—Pay Rs. 800 to 1,000.

MISCELLANEOUS APPOINTMENTS.

F. C. Harrison, C.S., Accountant-General.—Pay Rs. 2,500.
 G. B. Blenby, B.A., Deputy Accountant-General.—Pay Rs. 750.
 J. W. Oliver, Conservator of Forests and also Director of Forest School.—Pay Rs. 1,400 + E.A. 200.
 J. Cornwall, Postmaster-General.—Pay Rs. 1,500 to 1,750.
 J. G. Morgan, in charge of Telegraph Dept., Lucknow.—Pay Rs. 375.
 R. H. Brereton, C.S., Inspector-General of Police.—Pay Rs. 2,500.
 Major C. Macartagart, M.A., M.B., Insp.-Genl. of Prisons.—Pay Rs. 1,833-5-4.
 T. C. Lewis, M.A., Director of Public Instruction.—Pay Rs. 2,000.
 A. Venis, M.A., Principal, Queen's College, Benares.—Pay Rs. 833-5-4.
 G. F. W. Thibant, Ph.D., Principal, Muir Central College.—Pay Rs. 1,400.
 The Right Rev. A. Clifford, M.A., D.D., Bishop of Lucknow.
 Venerable J. I. B. Croahin, M.A., Archdeacon of Lucknow and Commissary to the Bishop.
 A. M. Dunoo, (*Bart.-at-Law*), Registrar of the Diocese of Lucknow.
 Col. C. H. Jubert, M.B., F.R.C.S., Inspector-General of Civil Hospitals, N.-W. P.—Pay Rs. 2,250.
 Lieut.-Col. S. J. Thomson, C.B.E., M.B., Sanitary Commissioner.—Pay Rs. 1,250 to 1,500.
 Lieut.-Col. J. Clibborn, B.A., S.C., Principal, Thomason College, Roorkee.—Pay Rs. 1,500.
 F. Luker, Superintendent of Government Press.—Pay Rs. 600—50—1,000.
 Vety-Major H. H. Ringe, Supt., Civil Veterinary Dept.—Pay Rs. 750 + C. A. 400.
 J. Murray, M.A., Meteorological Reporter.—Allowance Rs. 100—15—175.
 W. Gallan, Superintendent, Botanical Gardens, Saharanpur.—Pay Rs. 400.
 M. Ridley, Superintendent, Horticultural Gardens, Lucknow.—Pay Rs. 425 + E.A. 25.
 H. J. Davis, Superintendent, Government Gardens, Allahabad.—Pay Rs. 235.
 A. E. P. Griessen, Supdt., Taj and other Gardens, Agra.—Pay Rs. 210 + C. A. 25 + L.A. 50.
 N. Gill, Superintendent, Memorial and other public gardens, Cawnpore.—Pay Rs. 210 + C. A. 25.

PUNJAB.

The Hon. Sir Charles Montgomery Rivers, K.C.S.I., C.S., (Councillor of the Emperor), Lieut.-Governor of the Punjab 6th March 1902.—Pay Rs. 8,833-5-4 + F.A. 250 and Sp. A. 500.
 Major G. A. Robertson Private Secretary and Aide-de-Camp.—Pay Rs. 640-14-0 + Staff Pay Rs. 350.
 Lieut. E. G. Drummond, Aide-de-Camp.—Pay Rs. 225-12-0 + Staff Pay Rs. 250.
 Lieut.-Col. H. B. Goulding, V. D., Hon. Aide-de-Camp.

ADDITIONAL MEMBERS FOR MAKING LAWS AND REGULATIONS.

The Hon. Sir Nawab Jaman Bakhsh Khan, K.C.I.E., 18th September 1901.
 Kunwar Sir Harman Singh, K.C.I.E., 18th November 1901.
 D. P. Mamon, C.B.E., 18th November 1901.
 Col. J. B. Hutchinson, 3rd January 1902.
 J. Wilson, M.A., C.S.I., C.S., 11th January 1902.
 Lt.-Col. J. A. L. Montgomery, 27th June 1902.
 C. L. Tupper, B.A., C.B.I., C.S., 7th July 1902.

S. M. Robinson, Secretary, Legislative Council.
 The Hon. Mr. J. McC. Douie, C.S., Chief Secretary to the Government.—Pay Rs. 2,500, (*en furio*).
 A. E. Dick, C.S., Offg. do. —Pay Rs. 2,500.

A. H. Diack, C.S., Revenue and Financial Secretary.—Pay Rs. 2,250.—*On Dep.*
 J. F. Connolly, C.S., Offg. Revenue and Financial Secretary.—Pay Rs. 1,800.
 C. J. Halifax, C.S., Judicial and General Secretary.—Pay Rs. 1,800.
 F. H. Burton, B.A., Under Secretary.—Pay Rs. 1,000.
 W. Bell, M.A., Under-Secretary, Educational Dept., and Director of Public Instruction.—Pay Rs. 2,000.
 C. Brown, Insptr.-Genl. of Police and Under-Secretary to Govt., Home (Police) Dept.—Pay Rs. 2,250.
 T. P. R. Stracy, Asst. Secy., Finl. and Local Funds Depts.—Pay Rs. 700.
 Frank Leigh, Asst. Secretary.—Pay Rs. 500 + P.A. 200.
 Tasaddag Hussain Khwaja, B.A., Mir Munshi.—Pay Rs. 300.
 Hon. S. Preston, C.I.E., A.M.I.C.E., Secretary to Govt., Irrigation Branch.—Pay Rs. 2,500.
 T. R. J. Ward, A.M.I.C.E., Personal Assistant to Chief Engineer, Irrigation Branch, Lahore.—Pay Rs. 1,000.

CHIEF COURT.

Hon. W. O. Clark, B.A., (*Bart.-at-Law*), C.S., Chief Judge.—Pay Rs. 4,000.
 " A. H. S. Reid, M.A., (*Bart.-at-Law*), Judge.—Pay Rs. 3,500.
 " P. G. Chatterji, Rao Bahadur, M.A., B.L., Judge.—Pay Rs. 2,500.
 " J. A. Anderson, C.S., (*Bart.-at-Law*), Judge.—Pay Rs. 3,500.
 " F. A. Robertson, C.S., (*Bart.-at-Law*), Offg. Judge.—Pay Rs. 3,500.
 " R. L. Harris, Offg. Judge.—Pay Rs. 3,500.
 " A. Kensington, B.A., C.S., Offg. Judge.—Pay Rs. 3,500.
 W. de M. Mahan, C.S., Registrar.—Pay Rs. 1,250.
 W. H. E. Fellows, (*Bart.-at-Law*) Dy. Registrar.—Pay Rs. 600.
 H. A. B. Rattigan, (*Bart.-at-Law*), B.A., Legal Remembrancer.—Pay Rs. 2,000.
 S. M. Robinson, (*Bart.-at-Law*), Govt. Advocate.—Pay Rs. 1,320.
 C. B. Petman, B.A., (*Bart.-at-Law*), Asst. Legal Remembrancer.—Pay Rs. 400.
 Lala Achra Ram, Judge, Court of Small Causes, Delhi.—Pay Rs. 600.
 Lala Chuni Lal, M.A., do. Lahore.—Pay Rs. 600.
 Lala Sri Ram, do. Amritsar.—Pay Rs. 500.
 Hon. C. L. Tupper, C.S., c.s.i., Financial Commissioner, Rev. Dept.—Pay Rs. 3,500.
 The Hon. Mr. J. Wilson, Settlement Commissioner.—Pay Rs. 2,750 + T.A. 250.
 R. Sykes, B.A., C.S., Director of the Dept. of Land Records and Agriculture.—Pay Rs. 1,800.
 R. Humphreys, Senior Secy. to Financial Commissioner.—Pay Rs. 1,200 + A. Rs. 54.
 F. W. Kennaway, Junior Secretary.—Pay Rs. 900.
 H. R. Goulding, Assistant Secretary.—Pay Rs. 600.
 J. G. Silcock, B.A., (*Barrister-at-Law*), Offg. Commissioner and Supt. of Rawalpindi Division.—Pay Rs. 2,750 + 250.
 H. A. Anderson, c.s.i., (*Bart.-at-Law*), C.S., Commr., Jullundur.—Pay Rs. 2,750 + 250.
 Younghausbund, R.E., B.A., (*Barrister-at-Law*), C.S., Offg. Commissioner and Supt., Lahore.—Pay Rs. 2,750 + 250.
 G. C. Walker, B.A., Offg. Commissioner and Supt. of Delhi Division.—Pay Rs. 2,600 + 250.
 Lieut.-Col. H. P. P. Leigh, Offg. Commissioner and Supt., Mooltan.—Pay Rs. 2,500 + 250.
 Hon. A. F. D. Cunningham, c.i.e., C.S., Commr. and Supt. of Peshawar.—Pay Rs. 2,750 + 250.
 F. B. Bryant, Conservator of Forests, Supt. of Forest Surveys and Director of the Forest School, Dehra Dun.—Pay Rs. 1,400.
 C. Stewart-Wilson, B.A., (*Bart.-at-Law*), C.S., Postmaster-General.—Pay Rs. 2,250.
 R. O. Lees, Chief Supt., Telegraph Dept.—Pay Rs. 1,000.
 R. A. Gamble, B.A., C.S., Accountant-General.—Pay Rs. 2,500.
 R. C. Chopwar, Offg. Deputy Accountant-General.—Pay Rs. 1,650.
 Major C. J. Parsons, Commissioner of Excise and Supt. of Stamps and Insptr.-Genl. of Registration.—Pay Rs. 2,250.
 Lieut.-Col. T. E. L. Bate, Inspector-General of Jails.—Pay Rs. 1,800.
 W. Bell, M.A., Director of Public Instruction.—Pay Rs. 1,500 to 2,000.
 S. Robson, M.A., Principal, Government College, Lahore.—Pay Rs. 1,000 + P.A. 230.
 W. L. Dallas, Meteorological Reporter.—Pay Rs. 250.
 Lieut. Col. McConaghey, M.D., Inspector-General of Civil Hospitals, Punjab.—Pay Rs. 2,000.
 Col. J. J. Bamber, Sanitary Commissioner.—Pay Rs. 1,440.
 " S. H. Browne, c.i.e., L.M.S., Principal, Medical College, Lahore.—Pay Rs. 1,000.
 Vety.-Capt. H. T. Pense, Principal, Lahore Veterinary College.—Pay Rs. 650 + Staff Pay 350 + L.A. 100.
 Rt. Rev. G. A. Lefroy, D.D., Bishop of Lahore.—Pay Rs. 800.
 The Ven'ble H. W. Griffith, M.A., Archdeacon and Commissary of Lahore.—Pay Rs. 900 + Special Allowance 200.

BURMA.

COUNCIL OF THE LIEUTENANT-GOVERNOR OF BURMA FOR MAKING LAWS AND REGULATIONS.

PRESIDENT.

The Hon. Sir F. W. B. Fryer, K.C.S.I., C.S., Lieut.-Governor of Burma—1st May 1897.—Pay Rs. 8,333-5-4 + Sanitary Allowance 500.

COUNCILLORS.

The Hon. D. H. Norton, B.A., 2nd Jan. 1900. The Hon. H. Groves, M.I.C.E., 20th Decem-ber 1901.
 " J. Lewis, (*Bart.-at-Law*) 11th Nov-ember 1900. " W. T. Hall, B.A., LL.B., C.S., 9th June 1902.
 " J. G. Findlay, 28th March 1901. " Maung Po, K.S.M., 18th Oct. 1901.
 " C. G. Bayne, c.s.i., C.S., 20th Dec-ember 1901. " Kon Kyi, K.S.M., 11th September 1902.

PERSONAL STAFF OF THE LIEUT. GOVERNOR.

Captain F. A. B. Fryer, 6th Dragoons, Private Secretary.
 Lieut. J. S. S. Dunlop, South Staffordshire Regt., Aide-de-Camp.
 Lieut. C. J. Pickering, (The Duke of Wellington's) Extra Aide-de-Camp.
 Major H. Parkin, I.S.C., Hon. Aide-de-Camp.
 Commander G. E. Holland, do.
 The Hon. D. M. Stenson, B.A., c.s.i., C.S., Financial Commissioner and Chief Customs Authority.—Pay Rs. 3,600.
 W. J. Keith, M.A., C.S., Secretary to the Financial Commissioner.—Pay Rs. 500 + A.A. 331-5-4 + L.A. 200.
 A. E. T. Sarfers, Assistant Secretary to the Financial Commissioner.
 Hon. G. G. Bayne, C.S., c.s.i., Chief Secretary to Government and Officer in charge of State Prisoners.—Pay Rs. 3,000.
 H. M. S. Mathews, Revenue Secretary to Chief Commissioner, Upper Burma.
 J. B. Wingate, C.S., Secretary to Govt.—Pay Rs. 1,566-10-8 + A.A. 165-10-8 + L.A. 166-10-8.
 G. B. E. Fell, C.S., Under-Secretary.
 C. S. Pennell, M.A., C.S., do.
 B. P. Lestaigne, (*Bart.-at-Law*), Assistant Secretary.—Pay Rs. 700 + L.A. 150.
 D. Shearme, B.A., C.S., do.
 Hon. H. Groves, M.I.C.E., R.E., Secretary in the Public Works Department and Chief Engineer.—Pay Rs. 2,500.
 G. W. Martyn, A.M.I.C.E., Secretary to Government (Railway Branch).
 H. L. Eades, Offg. Commissioner, Siquing Division.—Pay Rs. 2,750.
 The Hon. A. M. B. Irwin, C.S., Commissioner, Rangoon.—Pay Rs. 2,750.
 The Hon. G. E. Bridges, (*Bart.-at-Law*), Commissioner, Northern Division.—Pay Rs. 2,600 (on dep.).
 A. G. Fleming, C.S., Commissioner, Tennasserim Division, Moulmein.—Pay Rs. 2,750.
 F. C. Gates, (*Bart.-at-Law*), C.S., Commissioner, Moulmein Division.—Pay Rs. 2,750.
 A. T. A. Shaw, C.S., (*Bart.-at-Law*) Commissioner, Mandalay Division.—Pay Rs. 2,500.
 H. P. Todd-Naylor, M.A., c.i.e., C.S., Commissioner, Minbu Division.—Pay Rs. 2,750.—*On furl.*
 A. T. A. Shaw, C.S., Offg. Commissioner, Arakan Division.
 N. G. Cholmely, B.A., C.S., Offg. Commissioner, Minbu Division.
 W. N. Porter, Offg. Commissioner, Irrawaddy Division.
 Hon. W. T. Hall, B.A., LL.B., Commissioner, Pegu Division.—Pay Rs. 2,750.
 T. C. Wilson, C.S., Settlement Commissioner.—Pay Rs. 2,750.
 A. Gaitkell, C.S., Director of Land Records and Agriculture.—Pay Rs. 1,800.
 J. C. Clancy, F.R.A.S., F.R.G.S., F.S.I. & L.M.S., Asst. Director of Land Records and Agriculture.—Pay Rs. 800 to 1,000.
 E. W. Sainthill, Conservator of Forests, 1st Grade, Pegu Circle.—Pay Rs. 1,600.
 W. T. Hall, B.A., LL.B., C.S., President, Rangoon Municipal Commission.
 H. L. Tilly, Chief Collector of Customs.—Pay Rs. 2,250 + Allow. as Vice-Chairman, Rangoon Port Commission, Rs. 300.
 F. Whymper, Dy. Postmaster-General, Rangoon.—Pay Rs. 750 to 1,000. (On dep.).
 E. R. Jardine, Offg. do. —Pay Rs. 600 + L.A. 100.
 A. P. Hill, Supt. Telegraph Dept., Rangoon.—Pay Rs. 1,000.
 R. E. Hamilton, Accountant-General.—Pay Rs. 2,750.
 M. K. Ghatak, M.A., Deputy Accountant-General.—Pay Rs. 750.

CHIEF COURT, LOWER BURMA.

Hon. H. T. White, C.I.E., C.S., Chief Judge.—Pay Rs. 3,750.
 " C. S. Fox, (Bart.-at-Law), Judge.—Pay Rs. 3,500.
 " W. Bigge, M.A., (Bart.-at-Law), Judge.—Pay Rs. 3,500.
 " A. R. Birks, B.A., C.S., (Bart.-at-Law), Judge.—Pay Rs. 3,500.—(On leave).
 " A. M. B. Irwin, C.S., Offg. Judge.
 H. Adamson, M.A., C.S., Judicial Commr., Upper Burma (Mandalay).—Pay Rs. 3,500.
 F. Ripley, Registrar, Chief Court, Lower Burma.—Pay Rs. 750 to 1,000.
 Hon. J. Lewis, (Bart.-at-Law), Government Advocate.—Pay Rs. 1,500 to 1,800.
 P. C. Sen, (Bart.-at-Law), Official Assignee and Receiver, Rangoon.
 G. B. Dawson, (Bart.-at-Law), Govt. Prosecutor, Rangoon.—Pay Rs. 400.
 J. C. Moyle, (Bart.-at-Law), Prosecutor, Moulmein.—Pay Rs. 250 and also receives fees.
 A. M. Lütter, do. Mandalay.—Pay Rs. 250 and do.

SMALL CAUSE COURT.

A. H. Bagley, B.A., LL.B., (Bart.-at-Law), Judge, Rangoon.—Pay Rs. 1,000—1,250.
 D. Ross, Judge, Mandalay.—Pay Rs. 1,800 + A. H. 450.
 G. F. Arnold, B.A., C.S., Judge, Moulmein.—Pay Rs. 1,233-5-4.
 Maung Shwe Bwin, M.A., Addl. Judge, Rangoon.—Pay Rs. 500.
 M. K. Gaing, do. Moulmein.—Pay Rs. 500.
 Muang Kni, Addl. Judge, Mandalay.—Pay Rs. 500.
 Lieut.-Col. G. T. Thomas, B.P.H., Inspector-Genl. of Jails, Sanitary Commissioner and Chief of the Civil Medical Administration, Burma.—Pay Rs. 1,800.
 Col. S. C. F. Peile, S.C., Inspector-General of Police, Rangoon.—Pay Rs. 2,250.
 R. G. F. P. McDonnell, Commissioner of Rangoon Town Police.—Pay Rs. 1,200 to 1,500.
 Commander G. E. Holland, D.S.O., C.I.E., R.I.M., Principal Port Officer, Rangoon.—Pay Rs. 1,370.
 J. Van Pope, M.A., Director of Public Instruction.—Pay Rs. 1,250 to 1,500.
 H. R. Rose, M.A., Principal, Rangoon College.—Pay Rs. 750 to 1,000.
 The Right Rev. John Miller Strachan, D.D., M.D., Lord Bishop of Rangoon.
 Ven. J. P. Dyer, M.A., Archdeacon of Rangoon.
 C. Hamlyn, (Bart.-at-Law), Registrar of the Diocese and Archdeaconry of Rangoon.—Allowance Rs. 50.
 Col. C. C. Little, M.D., Inspector-General of Civil Hospitals and Sanitary Commissioner, Rangoon.—Pay Rs. 2,000.
 Sir J. G. Scott, K.C.I.E., (Bart.-at-Law), Superintendent and Political Officer, Southern Shan States.—Pay Rs. 1,500—50—2,000.
 G. C. B. Sterling, do. do. Northern Shan States.—Pay Rs. 1,250—50—1,500.
 Taw Sein Ko, M.K.A.S., F.A.I., F.G.A., Government Archaeologist.—Pay Rs. 500.
 M. T. Nyein, Government Translator.—Pay Rs. 350 to 500.
 J. F. Regan, Superintendent of Government Printing.—Pay Rs. 600 to 850 + H. A. 70.
 Vety.-Captain G. H. Evans, Supz., Civil Veterinary Department.—Pay Rs. 1,100.
 M. Hunter, M.A., Chemical Examiner, Rangoon.—Pay Rs. 200.

CENTRAL PROVINCES.

The Hon. Mr. J. P. Hewett, C.I.E., C.I.E., C.S., Chief Commissioner.—Pay Rs. 4,166 + 500.
 D. Robertson, C.I.E., C.S., Chief Secretary, Civil Department.—Pay Rs. 2,500.
 G. H. Sherlock-Hubbard, Asst. Secretary, do. —Pay Rs. 500—40—700.
 H. M. Laurie, C.S., 2nd Secretary, Revenue Department.—Pay Rs. 1,800.
 H. Nunn, B.A., C.S., Under-Secretary.—Pay Rs. 1,800.
 The Hon. L. M. St. Clair, C.I.E., Superintending Engineer and Secretary to Chief Commissioner, P. W. Department.—Pay Rs. 1,000.
 G. M. Harriott, C.I.E., Second Secretary and Personal Asst. to the Superintending Engineer (Irrigation).
 S. Ismay, (Bart.-at-Law), C.S., C.S., Judicial Commissioner.—Pay Rs. 3,500.
 A. E. Nelson, C.S., Registrar to the Judicial Commissioner.—Pay Rs. 800.
 M. W. Fox-Strangways, C.S., Commissioner, Jabulpore Division.—Pay Rs. 2,500.
 C. L. Carey, Commissioner, Chhattisgarh.—Pay Rs. 2,750.
 R. H. Croddock, Commissioner, Nagpur Division.—Pay Rs. 2,500.
 F. A. T. Phillips, Commissioner, Hoshangabad Division.—Pay Rs. 2,750.
 F. G. Sly, C.S., Commissioner of Settlements and Agriculture.—Pay Rs. 1,800 + L. A. 250.
 A. E. Napier, C.S., Commissioner of Excise, Superintendent of Stamps, and Inspector-General of Registration and Chief Customs Authority in addition to his duties.—Pay Rs. 1,800.
 Waman Rao Kolhatar, Rao Bahadur, Senior Judge, Small Cause Court, Nagpur.—Pay Rs. 800.
 P. M. Greany, Junior Judge, Small Cause Court, Jabulpore.—Pay Rs. 700.
 V. S. Patwardhan, Registrar, Small Cause Court, Nagpur.—Pay Rs. 150.

F. W. Dilloo, (Bart.-at-Law), Government Advocate, Nagpur.—Pay Rs. 250.
 O. R. Cleveland, Inspector-General of Police and Prisons.—Pay Rs. 1,800.
 A. Munro, M.A., B.C.L., (Bart.-at-Law), Inspector-General of Education.—Pay Rs. 1,250 to 1,500.
 C. H. Browning, M.A., (Bart.-at-Law), Principal, Government College, Jabulpore.—Pay Rs. 850 + P. A. 250.
 Conservator of Forests, G. D. Osavell, M.A., Principal, Rajkumar College, Raipur.—Pay Rs. 700.
 A. Smythies, B.A., Conservator of Forests, Southern Circle, Nagpur.—Pay Rs. 1,400.
 E. J. Chester, do. Northern Circle, Jabulpore.—Pay Rs. 1,400.
 C. J. Lalkaka, Deputy Postmaster-General, Central Provinces and Berar.—Pay Rs. 1,000.
 J. M. Coode, Superintendent, Telegraph Department, Nagpur Division.—Pay Rs. 850.
 M. Bhattacharyya, M.A., Comptroller, Central Provinces.—Pay Rs. 1,250.
 Rev. B. Kitchier, Senior Chaplain, Jabulpore.—Pay Rs. 800.
 Col. G. C. Hall, F.R.C.S., I.M.S., Administrative Medical Officer, Nagpur.—Pay Rs. 1,800.
 A. S. Womack, C.S., Political Agent for the Chhattisgarh Feudatories, Raipur.—Pay Rs. 2,250.
 V. C. French, Examiner, P. W. Accounts.—Pay Rs. 800.

ASSAM.

Hon. Mr. J. B. Fuller, C.I.E., C.I.E., C.S., Chief Commissioner.—Pay Rs. 4,166-10-8, and Sumptuary Allowance Rs. 500.
 F. J. Monahan, C.S., Secretary to the Chief Commissioner.—Pay Rs. 2,250.
 J. Donald, M.A., C.S., Under Secretary to the Chief Commissioner.—Pay Rs. 700 and L. A. 100.
 J. H. Gorkery, B.A., LL.B., C.S., Assistant Secretary to Chief Commissioner.—Pay Rs. 700.
 B. C. Allen, B.A., C.S., Offg. Director of Land Records and Agriculture.—Pay Rs. 1,000.
 P. G. Melius, C.I.E., C.S., Judge and Commissioner of the Assam Valley Districts.—Pay Rs. 2,500 + T. A. 250.
 B. B. Navionid, B.A., C.S., District and Sessions Judge, Sylhet and Cachar.—Pay Rs. 2,000.
 A. W. Davis, C.S., Inspector-General of Police and Jails, and Superintendent of Stamps and Registration, and Commissioner of Excise.—Pay Rs. 2,250.
 W. Booth, M.A., S.C.D., Director of Public Instruction.—Pay Rs. 1,250.
 F. W. Sudmerson, Principal, Cotton College.—Pay Rs. 800.
 Col. C. W. Carr-Calthrop, M.D., CH.D., Principal Medical Officer and Sanitary Commissioner, Shillong.—Pay Rs. 1,800.
 Rev. H. T. Ottley, M.A., Chaplain.—Pay Rs. 800.

INDIAN MILITARY STAFF.

COMMANDER-IN-CHIEF IN INDIA.

General Right Hon.ble Horatio Herbert, Viscount Kitchener of Khartoum,
 G.C.B.O.M., G.C.M.G., R.L.

PERSONAL STAFF.

Brevet-Col. H. I. W. Hamilton, D.S.O., A.D.-C.
 (British Service)..... Military Secretary.
 Brevet-Lt.-Col. W. E. Birdwood (11th B.L.)..... Asst. Military Secy., and Interpreter.
 Brevet-Major R. J. Marker, D.S.O. (Coldstream Guards).....
 Brevet-Major F. A. Maxwell, V. C., D.S.O., 18th (Bengal Lancers)..... Aides-de-Camp.
 Capt. V. R. Brooke, D.S.O., (9th Lancers).....
 Risaldar-Major, Sher Singh Bahadur, 18th B. L..... Native Aide-de-Camp.
 Jazadar Ajab Khan, Jemr. 9th B.L..... Extra Do.
 Surgeon.....
 Hony. Aide-de-Camp.
 Hony. Capt. Husain Ali Khan, Sardar Bahadur, late Risaldar-Major, 13th B.L.
 Hony. Capt. Ganda Singh, Sardar Bahadur, late Risaldar-Major, 13th B.L.
 Yasin Khan, Subadar-Major, Sardar Bahadur, C.I.E., 24th P.I.
 Abdul Ghasfar Khan, Risaldar Major, Bahadur, 1st B.L.
 Hony. Native Aides-de-Camp.
 Judbir Thapa, Hony. Capt., Bahadur, late Subadar-Major, Bahadur, 1-2 Gorkhan.
 Kadam Khan, Risaldar, Sardar Bahadur, 4th B.C.
 Khan Bahadur Khan, Risaldar-Major, Sardar Bahadur, 10th B.L.

HEAD-QUARTERS STAFF OF THE ARMY.

Major-Genl. H. L. Smith-Dorrien, D.S.O.	Adjutant-General in India.
Brigr.-Genl. B. Duff, C.B., C.B.E.	Offg. Depy. Adjt.-General in India.
Col. R. M. Greenfield	Asst. Adjt.-General in India.
Col. C. L. Woodcombe	Asst. Adjt.-General for Musketry.
Major J. A. Tanner, D.S.O., R.E.	Dy. Asst. Adjt.-General.
Bt.-Major A. H. Bingley, 7th Rajputs	Insp.-Genl. of Cavalry in India. On Field Service, South Africa.
Major-Genl. Sir E. L. Elliot, C.B., D.S.O., S.C.	Insp.-Genl. of Cavalry in India (Temp.).
Capt. H. F. Turner, 2nd Bn. Lancers	Offg. Brigade-Major to Insp.-General of Cavalry in India.
Major-Genl. T. B. Tyler, R.A.	Insp.-Genl. of Artillery in India.
Col. M. Saunders, R.A.	Asst. Adjt. Genl. for Royal Artillery in India.
Capt. E. K. Knapp, R.A.	Brigade-Major to Insp.-General of Artillery in India.
Major-Genl. G. Henry	Quartermaster-General in India.
Col. W. E. Hilliard, British Service	Dy. Quartermaster-General in India.
Bt.-Lt.-Col. H. Mullaly, R.E.	Dy. Asst. Qmr.-Genl. (Mobilisation). Offg. Dy. Secy. to Govt. of India, M.D.
Major M. Cowper, 10th B.L.	Dy. Asst. Quartermaster-General.
Col. J. E. Nixon, C.B., 18th B.L.	Asst. Quartermaster-Genl. (Intelligence Branch).
Major E. W. S. K. Macdonchy, D.S.O., 3rd Sikhs.	Dy. Asst. Quartermaster-General (Intelligence Branch).
" C. H. Clay, 43rd Gurkhas	
" J. K. Tod, 7th B. C., Aden Boundary Commission	
Capt. C. S. Wankhede, Lanc. Regt.	Offg. Staff Captain for Mobilisation.
Capt. A. S. Hamilton	
" J. H. Lloyd, 2nd Bo. Grs.	
" A. S. Hamilton, 4th Sikhs Offg. D. A.	
Major A. W. Warden, 3rd Lancers, H.C.	Staff Captains (Intelligence Branch).
Capt. Mac. C. R. E. Hay, 7th Rajputs	
" H. H. Dowding, Essex Regt.	
R. W. C. Blair	Offg.
Major-Genl. W. T. Shorne, C.B., D.S.O.	Director-General of Military Works in India.
Lt.-Col. H. Funnis, R.E.	Dy. Director-General.
Major E. O. Stanton, R.E.	Asst. Director-Genl., Military Works.
" A. M. Stuart, R.E.	Inspector of Sub-Marine Defences.
Major-Genl. L. W. Christopher, C.B.	Director-Genl., Supply and Transport.
Bt.-Col. H. F. Lyons-Montgomery, S.C.	Dy. do. of Supply.
Col. H. Mansfield, S.C.	Dy. do. of Transport.
Lt.-Col. J. G. Smith, S.C.	Asst. to Director-Genl., Supply and Transport.
Col. E. Balfe	Judge-Advocate-General in India.
Capt. A. J. Carnana, 41st Doges	Asst. J. A. G. in India.
Vety.-Lt.-Col. B. L. Glover, C.B., A.V.D.	Offg. Principal Vety. Officer in India.
Col. G. D. Stawell	Director of Military Education in India.
Hony.-Lt. A. Barton	Asst. to Director of Military Education in India.
Surg.-Genl. Sir T. J. Galwey, M.D., K.C.M.G., C.B.	Principal Medical Officer, H. M.'s Forces in India.
Lt.-Col. J. Shearer, M.B., D.S.O., I.M.S.	Secy. to do.
Hony.-Major T. H. Hill, C.B., Retd. I.S.M.D.	Asst. Secy. to P. M. O., H.M. Forces in India.
Surg.-Genl. G. B. Franklin, C.B., V.H.S., A.D.C.	Director-Genl., Indian Med. Service.
Major J. T. W. Leslie, M.B., I.M.S.	Secy. to do.
Lt.-Col. D. Wilkie, M.B., I.M.S.	Statistical Officer to the G. of I. in the Sanitary and Medical Depts.
Major-Genl. C. H. Scott, C.B.	Director-General of Ordnance in India.
Bt.-Lt. Col. R. H. Mahon, R.A.	Dy. do. do.
Major R. C. O. Stuart, R.A.	Asst. Director-General of Ordnance in India. Offg. Dy. D. G. O.
Capt. J. F. Tyrrell	Dy. Asst. do. do.

Col. H. Goad, A.-D.-C.	Director of Army Remount Department.
" E. C. Hill	Inspector of Gymnasia in India.
Major-Genl. W. Hill, C.B.	Inspector-General of Volts. in India.
" N. G. Woodratt, 1/3 Gurkha Rifles	Bde. Major to Inspector-General of Volts. in India.
Major H. S. McGill, R.A.M.C.	Sanitary Officer attached to Army Head-Quarters.

STAFF AND DEPARTMENTS OF THE MADRAS COMMAND.

LIEUT.-GENERAL COMMANDING THE FORCES.

Lieut.-Genl. Sir G. B. Wolseley, K.C.B.

PERSONAL STAFF.

Lt.-Col. C. M. T. Western, R.A.	Asst. Mil. Secy. and Aide-de-Camp to H. E. the Lieut.-General Commanding.
Capt. E. de H. Smith, R.G.A.	Aide-de-Camp to Lieut.-General Comdg., Madras.
Subadar-Major Rahman Khan, 1st M.L.	Native Aide-de-Camp to H. E. the Lieut.-General Commanding.

STAFF.

Brig.-General J. P. C. Neville	Deputy Adjutant-General.
Col. F. J. Aylmer, V.C., R.E.	Asst. Quartermaster-General.
Lt.-Col. A. B. Fenton, S.C.	Offg. Asst. Adjutant-General.
Bt.-Major G. R. de H. Smith	Dy. Asst. Adjutant-General.
Brigr.-Genl. R. G. W. Hepburne, R.A.	Brig.-General, Royal Artillery.
Capt. H. N. Packard, R. F. A.	Deputy Asst. Adjutant-General, R.A.
Col. E. B. Standbridge, R.A.	Insp.-Genl. of Ordnance, Southern Circle.
Lt.-Col. R. C. Onslow	Dy. Judge Advocate-General, M. C., Bangalore, Madras and Southern Districts.
Major T. N. Bagnall, E. York. Regt.	Dy. Asst. Adjutant-General for Musketry.
Surg.-Genl. G. W. B. Hay, M.D., L.M.S.	Principal Medical Officer, Madras Command.
Capt. A. E. Milner, R.A.M.C.	Personal Asst. to the P. M. O.
Lt.-Col. O. B. P. Lloyd, V.C., R.A.M.C.	Staff Officer, Army Bearer Corps, Madras Dvn.
Vety.-Lieut.-Col. K. Lees, A.V.D.	Inspg. Vety. Officer, Madras Command.

DEPARTMENTAL STAFF.

Lieut.-Col. A. H. Clark Kennedy	Inspector-Genl., Supply and Transport, Madras Command.
Lt.-Col. H. L. Hutchins	Dy. Insp.-Genl., Supply and Transport.
Major F. C. W. Rideout	Inspector, Supply and Transport Accts.
Col. H. H. Hart, R.E.	Chief Engr., Madras Command, Mil. Works.
Lt.-Col. H. A. B. Boulton	Superintendent, Army Clothing, Madras and Bombay.
Major A. H. Dobbs, 16th M.I.	Supt. of Family Payments and Pensions.
" G. C. Mc. D. Birdwood, S. C.	Supt. Reserve Remount Depot, Hosur.
" E. Compton, Northampton Regt.	D. A. A.-G. for Instruction (Bangalore).
" C. H. Melville, C.B.	Sanitary Officer, Madras Command.

MILITARY ACCOUNTS DEPARTMENT.

Lt.-Col. J. G. Downing	Controller, Mil. Accts., Madras Command.
Major G. W. S. Fryer, S.C.	Pay Examiner, Madras.
Capt. W. Donnan, 19th M.L.	Examiner, Supply and Transport Accounts and Pay Master, Rangoon.
" J. H. Hudson, 22nd M.L.	Examiner, Ordnance and Clothing Accts., Madras.

JUDGE-ADVOCATE-GENERAL'S DEPARTMENT.

Major H. C. B. Dana	Asst. Judge-Adv.-Genl., 7th Circle, Rangoon.
" J. F. Stewart	Asst. do. 6th Circle, Secunderabad and Belgaum Dist., and Hyderabad Contingent.

LIEUT.-GENERAL COMMANDING THE FORCES, MADRAS.

PERIOD OF COMMAND.		Rank and Name.	Service.	REMARKS.
From	To			
1 Apr. 1895	23 Oct. 98	Lieut.-General Sir C. M. Clarke, K.C.B.	B	
29 Oct. 98	7 Mar. 01	Lieut.-General Sir G. B. Wolsley, K.C.B.	B	
8 Mar. 01	11 Nov. 01	Major-Genl. (Temp. Lieut.-Genl.), G. J. Barnett, C.B.	B	
12 Nov. 01	18 July 02	Lieut.-General Sir G. B. Wolsley, K.C.B.	B	
19 July 02	18 Oct. 02	Major-Genl. Sir G. T. Pretyman, K.C.M.G., C.B.	B	
19 Oct. 02		Lieut.-General Sir G. B. Wolsley, K.C.B.	B	

ADJUTANTS-GENERAL.

MADRAS ARMY.

16 Apr. 1786	23 Feb. 1792	Major Henry Malcolm	I	
1 Mar. 92	3 Sept. 99	Lt.-Col. Barry Close	I	
4 Sept. 99	17 Dec. 1907	Lt.-Col. Patrick Alexander Agnew	I	
18 Dec. 1807	31 Jan. 09	Lt.-Col. Francis Capper	I	
1 Feb. 09	16 Feb. 09	Major Robert Barclay	I	Acting.
17 Feb. 1809	30 Apr. 1809	Lt.-Col. John Cunnage	I	
1 May 09	20 Apr. 37	Lt.-Col. T. H. Somerset Conway, C.B.	I	
21 Apr. 37	7 Dec. 37	Major James Russell Haig	I	Acting.
8 Dec. 37	23 Sept. 39	Lt.-Col. Benjamin Robertson Hitchins	I	
24 Sept. 39	14 Aug. 49	Lt.-Col. Robert Alexander	I	
15 Aug. 49	27 Oct. 53	Lt.-Col. Robert John Hussey Vivian	I	
28 Oct. 53	9 Apr. 63	Lt.-Col. William George Woods	I	
10 Apr. 63	16 Apr. 68	Colonel James Maurice Primrose	B	
17 Apr. 68	22 Nov. 69	Colonel James Elphinstone Robertson	B	
23 Nov. 69	25 Aug. 72	Colonel Peter Barton Roe	B	
27 Aug. 72	27 Aug. 77	Br.-Genl. Robert Crosse Stewart	B	
28 Aug. 77	20 Feb. 80	Br.-Genl. Fred. William Jebb	B	
21 Feb. 80	28 Aug. 80	Colonel Andrew Robert Clephane	I	Officiating.
29 Aug. 80	28 Aug. 85	Br.-Genl. Godfrey Clerk	D	
29 Aug. 85	17 Feb. 87	Br.-Genl. Wm. Kidston Elles, C.B.	B	
18 Feb. 87	6 June 90	Br.-Genl. Malcolm Charles Farrington, C.B.	B	
7 June 90	28 Mar. 94	Br.-Genl. Hugh Pearce Pearson, C.B.	B	
29 Mar. 94	31 Mar. 95	Colonel Elphinstone Waters Begbie, D.S.O.	I	Officiating.

DEPUTY ADJUTANTS-GENERAL.

MADRAS COMMAND.

1 Apr. 1895	30 Oct. 1895	Br.-Genl. Elphinstone Waters Begbie, C.B., D.S.O.	I	
21 Oct. 95		Br.-Genl. G. Simpson, C.B.	I	
		Br.-Genl. G. Henry	I	
1 Apr. 01		Br.-Genl. J. P. C. Neville	B	

QUARTERMASTERS-GENERAL.

MADRAS ARMY.

PERIOD OF COMMAND.		Rank and Name.	Service.	REMARKS.
From	To			
		Capt. James Campbell	I	
4 Nov. 1790	31 Aug. 1802	Lt.-Col. John Richardson	I	
1 Sept. 1802	4 Aug. 06	Lt.-Col. Alexander Orr	I	
5 Aug. 06	2 Apr. 10	Lt.-Col. John Munro	I	
3 Apr. 10	31 Jan. 21	Lt.-Col. Valentine Blacker, C.B.	I	
1 Feb. 21	25 Sept. 28	Lt.-Col. R. E. Otto	I	
28 Sept. 28	31 Aug. 31	Lt.-Col. James Hanson	I	
1 Sept. 31	22 Feb. 48	Colonel Wm. Strahan	I	
23 Feb. 48	12 Oct. 49	Lt.-Col. Daniel Haffernan Considine	I	
13 Oct. 49	27 Sept. 61	Lt.-Col. Francis Archibald Reid, C.B.	I	
28 Sept. 61	27 Sept. 66	Major Francis Henry Scott	I	
28 Sept. 66	28 Sept. 71	Colonel Crawford Cooke	I	
29 Sept. 71	5 Nov. 76	Br.-Genl. Arthur Hawlett	I	
6 Nov. 76	31 Dec. 81	Br.-Genl. Hugh Heefke O'Connell	I	Officiating.
1 Jan. 82	15 Feb. 88	Lt.-Col. John Ewing	I	
16 Feb. 88	12 Feb. 88	Br.-Genl. Richard Campbell Stewart, C.B.	I	
13 Feb. 88	25 Mar. 88	Br.-Genl. Edmund Farnce, C.B.	I	
26 Mar. 88	11 Oct. 90	Br.-Genl. Montague Protheroe, C.B., C.S.I.	I	
12 Oct. 90	31 Mar. 95	Br.-Genl. Edmund Henry Eyre, C.B.	I	

BURMA MILITARY STAFF.

Commanding Burma District	Major-Genl. M. Protheroe, C.B., C.S.I. (6 months leave out of India.)
Offg. Do.	Major-Genl. G. Simpson, C.B.
Aide-de-Camp.	
Asst. Adjut.-Genl., Burma District	Lt.-Col. E. R. F. Presgrave, D.S.O., A.D.C.
Offg. D. A. A.-G., Burma District	Capt. W. H. Walker, 2nd M.I.
Asst. J. A. Genl., 7th Cir., Burma-Mandalay	Major H. C. B. Dann, I. S. C.
Commanding Mandalay District	Brig.-Genl. A. G. F. Browne, D.S.O., I. S. C.
Asst. Adj. General, Mandalay	Lt.-Col. C. Molesworth, I. S. C.
Colonel on the Staff, Rangoon Command	Col. E. E. M. Lawford, 1st M. Lan.
Offg. Colonel on the Staff Commanding Southern Shan States	Col. A. A. Pearson.
Dy. Insp.-Genl., Supply and Transport	
Burma	Lt.-Col. H. R. Marrett.
D. A. A.-G. for Musketry, 3rd Cir., Rangoon	Capt. H. J. T. Savi 30th B.I. Leave out of India, P.A., 1 year, 17th April 1902.
Offg. do. do.	Capt. H. A. Cooper, 2nd M.I.
F. M. O. Burma District	Col. A. F. Dobson, I. M. S. On Leave out of India P. A. 8 mths.
Offg. do.	Lt.-Col. H. Allison, M.D., I.M.S.

STAFF AND DEPARTMENTS OF THE BOMBAY COMMAND.

LIEUTENANT-GENERAL COMMANDING THE FORCES.

Genl. Sir Robert Cunliffe Low, G.C.B., Bengal Cavalry.

PERSONAL STAFF.

Asst. Mily. Secretary and Aide-de-Camp	Major C. E. Baynes, 2nd Bo. L.
Aide-de-Camp	Lieut. E. S. Sandys, R.E.
Native Aide-de-Camp	Resaidar-Major Lal Khan, Sardar Bahadur, 3rd Bo. Cavly.

STAFF AND DEPARTMENTS.

Deputy Adjutant-General	Brig.-Genl. Greenfield.
Asst. Qrtr.-General	Col. F. W. Bromfield, P. S. C. Brit Service.
Asst. Adjt.-General	Col. A. W. Proudfoot, S.C.
Depy. do.	Capt. E. R. St. G. Halbrook, W. Yorks Regt.
Depy. do. for Musketry	Major A. C. B. Johnson.
Colonel on Staff, R. A.	Brig.-Genl. E. G. H. Bingham, R.A.
Dy. Asst. Adjt.-General for Royal Artillery	Capt. W. A. Short, R.F.A.
Principal Medical Officer, M.C.	Surg.-General W. S. M. Price, V. H. S., A.M.S.
Personal Asst. to do.	Capt. J. W. Watson, M.B., I.M.S.
Staff Officer, Army Bearer Corps, Bombay Divn.	Major H. F. Cleveland, I.M.S.
Sanitary Officer, Bombay Command	Major C. R. Elliot, M.B., R.A.M.C.
Dy. Judge Advocate-General	Major R. F. H. Anderson.
Inspecting Veterinary Officer	Vety-Major E. H. Hazelton.
Dy. Asst. Adjt.-General for British Army Schools, (Madras and Bombay Commands)	Lt.-Col. C. Grant, Brit. Service.
Inspector of Army Signalling, (Madras and Bombay Commands)	Capt. R. C. Dundas, R. Scots.
Superintendent, Army Clothing (Madras and Bombay Commands)	Lt.-Col. H. A. B. Boulderson.
Inspector-General of Ordnance, Southern Circle	Col. E. B. Strandbridge, R.A.
Insp.-Genl. Supply and Transport	Col. H. C. E. Lucas.
Depy. Insp.-Genl. Supply and Transport	Major G. R. C. Westropp, S.C.
Chief Engineer, Military Works Service	Col. E. Glennie, R.E.
Controller, Mil. Accts., Bombay Command	Lt.-Col. H. E. Passy, S.C.
Pay Examiner, Poona	Lt.-Col. G. A. Williams, S.C.
Examiner, Supply and Transport Accounts, Poona	Capt. G. S. Sheppard, S.C.
Inspector of Accounts, Poona	
Presidency Paymaster, Bombay	Capt. E. H. Payne, S.C.

STAFF OF THE BENGAL COMMAND.

LIEUTENANT-GENERAL COMMANDING THE FORCES.

Lieut.-General Sir George Luck, K.C.B.

PERSONAL STAFF.

Asst. Military Secretary and A.D.-C. (Offg.)	Capt. E. B. Cook, 1st Life Guards.
Aide-de-Camp	Capt. E. B. Cook, 1st Life Guards, Offg. A.M.S.
Offg. Aide-de-Camp	Lt. G. B. Stoney, K.O.S.B.
Native Aide-de-Camp	Kissalidar-Major Muizzuddin Khan, 15th B.L.

STAFF AND DEPARTMENTS.

Depy. Adjutant-General	Brig.-Genl. A. R. Martin, C.B., S.C.
Asst. Quartermaster-General	
Asst. Adjutant-General	Col. J. B. Forster, Brit. Service.
Dy. Asst. Quartermaster-General	Capt. C. L. Nicholson, Yorks.
Dy. Asst. Adjutant-General	Major M. E. Willoughby, 2nd B.L.
Dy. Asst. Adjutant-General for Musketry	Major W. S. Mardall, 17th B.L.
Col. on Staff, R. A.	Brig.-Genl. J. Leach, R.A.
Dy. Asst. Adjutant-General for R. A.	Capt. H. R. Palmer, R.G.A.
Principal Medical Officer	Surg.-Genl. W. F. Burnett, R.A.M.C., V.H.S.
Personal Asst. to do.	Capt. J. G. Hulbert, M.B., I.M.S.—Leave out of India, P.A., 1 year, 1st January '02.
Offg. Personal Asst. to P. M. O.	Capt. B. G. Seton, I.M.S.
Sanitary Officer, Bombay Command	Major A. R. Aldridge, R.A.M.C.
Staff Officer, Army Bearer Corps	Major A. T. Brown, I.M.S.
Depy. Judge Advocate-General	Major L. H. S. Reid, S.C.
Chief Engineer, Military Works Services	Col. S. Grant, R.E.

Insp.-Genl. Supply and Transport	Col. G. Wingate, C.I.E., S.C.
Dy. do.	Lt.-Col. C. V. W. Williamson, S.C.
Inspg. Vety. Officer	Vety-Major J. B. Savage, A.V.D.
Garrison Quartermaster, Fort William	Major J. M. Carpendale, 8th B.L.—Leave out of India, P.A., 1 year, 13th March '02.
Offg. do.	Capt. J. N. Jephson, 5th B.L.
Director of Farms	Major D. J. Meagher, S.C.

STAFF OF THE PUNJAB COMMAND.

LIEUTENANT-GENERAL COMMANDING THE FORCES.

Lt.-Genl. Sir E. Blood, K.C.B.

PERSONAL STAFF.

Asst. Mil. Secretary and A.D.-C.	Major C. P. Campbell, C.I.H.
Aide-de-Camp	Capt. R. L. Morris, 8th B.C.
Native Aide-de-Camp	Rissalidar-Major Muhammad Amin Khan, Sardar Bahadur, 3rd P.C.

STAFF AND DEPARTMENTS.

Depy. Adjutant-General	Brig.-Genl. F. H. Whitby, Brit. Service.
Asst. Quartermaster-General	Col. A. Masters, S.C.
Asst. Adjutant-General	Col. C. A. Anderson, Brit. Service.
Depy. Asst. Quartermaster-General	Major R. J. Strachey, F.S.C., Rifle Bde.
Depy. Asst. Adjutant-General	Major A. G. Medley, 10th B.L.
Depy. Asst. Adjutant-General for Musketry	Major S. Thomson, Gordon Highlanders.
Colonel on Staff, R. A.	Brig.-Genl. J. A. Corhead, C.B., E.A.
Dy. Asst. Adjutant-General, R.A.	Capt. W. K. Hardy, R.G.A.
P. M. O., Punjab Command	Surg.-Genl. A. S. Reid, M.B., I.M.S.
Personal Asst. to P. M. O.	Capt. J. M. Buist, R.A.M.C.
Sanitary Officer	Major J. C. Weir, M.B., R.A.M.C.
Staff Officer, Army Bearer Corps (Punjab Divn.)	Major C. R. Tyrrell, R.A.M.C.
Depy. Judge Advocate-General	Major C. L. M. Rich, S.C.
Inspg. Veterinary Officer (Offg. P. V. O. in India)	Vety.-Lieut.-Col. B. Glover, C.B.
Inspector of Army Signalling (Punjab and Bengal Commands)	Major C. P. Scudamore, D.S.O., R. Sec. Fusers.
Chief Engineer, Military Works	Col. E. W. Duperier, R.E.
Inspector-General, Supply and Transport	Col. H. M. P. Hawkes.
Dy. do.	Major W. R. Telling, C.I.E., D.S.O., S.C.
Inspector-General of Ordnance, Northern Circle	Col. J. L. Fittott, R.A.
Director of Farms	Major R. H. Ewart, D.S.O., S.C.
I. V. O., Punjab Command (Offg.)	Vety-Major F. J. Short.

THE MOST EXALTED ORDER OF THE STAR OF INDIA,

[INSTITUTED 29th FEBRUARY 1861; ENLARGED 23rd MARCH 1866,
20th DECEMBER 1876, and 10th JUNE 1897.]

SOVEREIGN.

His Most Gracious Majesty the King, Emperor of India.

GRAND MASTER.

His Excellency the Viceroy and Governor-General of India, the Right Honorable George Nathaniel Curzon, Baron Curzon in the County of Derby, in the Peerage of Ireland, G.C.I.E., P.C.

(5th JANUARY 1899.)

OFFICERS OF THE ORDER.

Registrar—Sir Albert William Woods, K.C.B., K.C.M.G.,

Garter Principal King of Arms, Herald's College, London.

(APPOINTED 23RD FEBRUARY 1861.)

Secretary—Hugh Shakespear Barnes, Esq., C.B.L., I.C.S.,

Secretary to the Government of India in the Foreign Department.

(APPOINTED 24TH DECEMBER 1870.)

EXTRA KNIGHTS GRAND COMMANDERS.

General His Royal Highness PRINCE ARTHUR WILLIAM PATRICK ALBERT, Duke of Connaught and Strathearn, K.G., K.T., K.P., G.C.B., G.C.M.G., G.C.I.E., G.C.V.O.

1ST JANUARY 1877.

Field Marshal His Royal Highness PRINCE GEORGE WILLIAM FREDERICK CHARLES, Duke of Cambridge, K.G., K.T., K.P., G.C.B., G.C.H., G.C.M.G., G.C.I.E., G.C.V.O.

2ND JUNE 1877.

HONORARY KNIGHTS GRAND COMMANDERS.

His Highness BEGLAR BEGI MIR SIR MUHAMMAD KHUDADAD KHAN, ex-Wali of Rajat—29th June 1879.

His Royal Highness SIR SULTAN MASSOUD MIRZA, YEMIN-ED-DOWLEH, ZIL-ES-SULTAN, of Persia.—1st November 1887.

No.	MEMBERS.	DATE OF APPOINTMENT.
FIRST CLASS, OR KNIGHTS GRAND COMMANDERS—(36).		
	The Right Hon'ble the Earl of Northbrook—[Europe]—[Additional]	
1	Sir John Strachey, C.I.E., I.C.S., Retired—[Europe]	3rd May 1872.
2	His Highness Farzand-i-Arjumand Akidat Palwand Daulat-i-Sing Bahadur, of Nabha—[Punjab]	3rd May 1878.
3	Field-Marshal Sir Frederick Paul Haines, G.C.B., C.I.E.—[Europe]	29th July 1879.
4	The Right Hon'ble the Earl of Cranbrook—[Europe]	Ditto.
	The Most Hon'ble the Marquess of Ripon, K.G., C.I.E.—[Europe]	20th April 1880.
5	His Highness Asaf Jah Muzaffer-ul-Mamalik Nizam-ul-Mulk Nizam-ud-Daula Nawab Mir Sir Mahbub Ali Khan Bahadur Fateh Jang, of Hyderabad—[Deccan]	8th June 1880.
6	The Right Hon'ble Sir James Fergusson, Bart., K.C.M.G., C.I.E., P.C.—[Europe]	1st Jan. 1885.
7	The Right Hon'ble Sir Mountstuart Elphinstone Grant-Duff, P.C.—[Europe]	25th Feb. 1885.
8	His Highness Farzand-i-Khas-i-Daulat-i-Inglishia, G.C.I.E., Maharaja Sir Sayaji Rao Gackwar, of Baroda—[Baroda]	23rd July 1886.
9	His Highness Maharaja Dattaj Sir Fateh Singh Bahadur, of Udaipur—[Rajputana]	16th Feb. 1887.
10	His Highness Maharaja-dhiraj Raj Rajeshwar Sawai Sir Shivaji Rao Holkar Bahadur, Maharaja of Indore—[Central India]	Ditto.
11	His Highness Saranad-i-Rajah-i-Hindustan Raj Rajindra Sri Maharaja-dhiraj Sawai Sir Madho Singh Bahadur, G.C.I.E., Maharaja of Jaipur—[Rajputana]	30th June 1887.
		2nd Jan. 1888.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHTS GRAND COMMANDERS—concl.		
12	His Highness Sri Padmasubha Dass Vanji Sir Balaranga Varma Kulasekhara Kirtapali Mani Sultan Maharaja Raja Rama Raja Bahadur Shamsheer Jang, of Travancore—[Madras]	24th May 1888.
	The Most Hon'ble the Marquess of Lansdowne, K.G., G.C.M.G., C.I.E.—[Europe] [Additional]	10th Dec. 1888.
13	The Right Hon'ble Donald James, Lord Reay, G.C.I.E.—[Europe]	8th April 1890.
	Major-General His Highness Maharaja Partab Singh Indar Mahindar Bahadur Sipar-i-Saltanat of Jammu and Kashmir.	25th May 1892.
14	The Right Hon'ble Viscount Cross, G.C.I.E.—[Europe]	1st August 1892.
15	Field Marshal the Right Hon'ble Frederick Sleigh Earl Roberts, K.G., K.P., G.C.B., G.C.I.E., V.C.R.A.—[Europe]	3rd June 1893.
	The Right Hon'ble the Earl of Elgin and Kincardine, G.C.I.E.—[Europe] [Additional]	
16	His Highness Sir Shahu Chhatrapati Maharaj, Maharaja of Kolhapur—[Bombay]	1st Jan. 1895.
17	Colonel His Highness Mukhtar-ul-Mulk Azim-ul-Iktidar Rafi-ush-Shan Wala Shikoh Moltasham-i-Dauran Umdat-ul-Umra Maharajadhiraj Abiraj Hisam-ud-Saltanat Maharaja Sir Madho Rao Sindhia Bahadur Srinath Mansur-i-Zaman Fidvi-i-Hayrat-i-Mulika-i-Muzammam-i-Rafi-ud-Darja-i-Inglistan, of Gwalior Hon'y. A. D. C. to H. M. the King—[Central India]	25th May 1895.
18	The Right Hon'ble George Robert, Lord Harris, G.C.I.E.—[Europe]	Ditto.
19	The Right Hon'ble Sir Henry Hartley Fowler, F.R.S., M.P.—[Europe]	9th July 1895.
20	The Right Hon'ble Bellby, Lord Wenlock, G.C.I.E.—[Europe]	1st Jan. 1896.
21	His Highness Maharaja Sir Vyankatesh Raman Singh Bahadur, of Rewa—[Central India]	Ditto.
22	Sir Joseph Dalton Hooker, G.C.B.—[Europe]	22nd June 1897.
23	The Hon'ble Sir Antony Patrick MacDonnell, I.C.S.—[United Provinces]	Ditto.
24	Colonel His Highness Maharaja Sir Partab Singh Bahadur, K.C.B., of Idar—[Rajputana]	Ditto.
25	Lieut.-General Sir Richard Strachey, R.E., Retired—[Europe]	Ditto.
26	Lieut.-General Sir George Stewart White, G.C.B., G.C.M.G., G.C.I.E., G.C.V.O., V.C.—[Europe]	11th Jan. 1898.
27	The Right Hon'ble William, Lord Sandhurst, G.C.I.E.—[Europe]	10th March 1900.
28	Sir Arthur Elphinstone Havelock, G.C.M.G., G.C.I.E.—[Tasmania]	29th May 1901.
SECOND CLASS, OR KNIGHTS COMMANDERS (80).		
1	General Sir Arnold Burrows Campbell, K.C.B., R. (late Bo.) A—[Europe]	7th March 1866.
2	Major-General Sir William Henry Rodes Green, C.B., I.S.C.—[Europe]	Ditto.
3	Sir William Muir, I.C.S., Retired—[Europe]	5th Feb. 1867.
4	General Sir Edward Lechmere Russell, Bombay Army—[Europe]	24th Aug. 1868.
5	Major-General Sir Frederic John Goldsmid, C.B., I.S.C., Retired—[Europe]	1st Nov. 1871.
6	Sir Alexander John Arbuthnot, C.I.E., late I.C.S.—[Europe]	24th May 1873.
7	General Sir Dighton Macnaghten Probyn, G.C.V.O., K.C.B., V.C.—[Europe]	7th March 1876.
8	Surgeon-General Sir Joseph Fayrer, Bart., M.D., I.M.S., Retired—[Europe]	Ditto.
9	The Right Hon'ble Arthur, Lord Hobhouse, C.I.E., P.C.—[Europe]	1st Jan. 1877.
10	Sir George Ebenezer Wilson Cooper, Bart., C.B., C.I.E., late I.C.S.—[Europe]	Ditto.
11	Sir Stewart Colvin Davley, C.I.E., late I.C.S.—[Europe]	25th May 1878.
12	Sir Robert Evelyn Egerton, C.I.E., late I.C.S.—[Europe]	24th July 1879.
13	Major-General Sir Owen Tudor Burne, G.C.I.E., British Service, Retired—[Europe]	Ditto.
14	Sir Lepel Henry Griffin, I.C.S., Retired—[Europe]	24th May 1881.
15	Maharaja Sir Jotindra Mohan Tager Bahadur, of Calcutta—[Bengal]	Ditto.
16	Sir John Henry Morris, I.C.S., Retired—[Europe]	24th May 1883.
17	The Right Hon'ble Earl Cromer, G.C.B., G.C.M.G., C.I.E., R.A.—[Egypt]	4th Aug. 1883.
18	Sir Charles Grant, I.C.S., Retired—[Europe]	1st Jan. 1885.
19	Colonel Sir Edward Ridley Colborne Bradford, C.B., I.S.C.—[Europe]	6th June 1885.
20	His Excellency the Right Hon'ble Colonel Sir Joseph West Ridgway, K.C.B., P.O., B.G.L.L.—[Ceylon]	21st July 1885.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHT COMMANDERS—contd.		
21	Sir Joland Danvers—[Europe] ...	1st Feb. 1886.
22	Sir Theodore Cracraft Hope, C.B., late I.C.S.—[Europe] ...	29th May 1886.
23	Sir William Chichele Plowden, late I.C.S.—[Europe] ...	Ditto.
24	Sir Charles Alfred Elliot, late I.C.S.—[Europe] ...	16th Feb. 1887.
25	Sir James Braithwaite Peile, late I.C.S.—[Europe] ...	2nd Jan. 1888.
26	Sir James Broadwood Lyall, C.B., late I.C.S.—[Europe] ...	1st June 1888.
27	Sir Charles Haukes Tod Crosthwaite, late I.C.S.—[Europe] ...	Ditto.
28	Sir David Miller Barbour, C.B., late I.C.S.—[Europe] ...	1st Jan. 1889.
29	Nawab Sir Mahummad Akram Khan Bahadur, Chief of Amb, Hazara District—[Punjab] ...	Ditto.
30	Sir Andrew Richard Scobie, K.C.—[Europe] ...	20th May 1890.
31	Sir Dennis FitzPatrick, late I.C.S.—[Punjab] ...	Ditto.
32	Sir Alexander Mackenzie, I.C.S., Retired—[Europe] ...	1st Jan. 1891.
33	Sir Philip Percival Hutchins, late I.C.S.—[Europe] ...	30th May 1891.
34	Raja Sir Amar Singh—[Kashmir] ...	11th Nov. 1891.
35	Sir Auckland Colvin, C.B., C.B., late I.C.S.—[Europe] ...	25th May 1892.
36	Sir Henry Edward Stokes, late I.C.S.—[Madras] ...	Ditto.
37	Sir Henry Waterfield, C.B.—[Europe] ...	2nd July 1893.
38	Sir Henry Mortimer Durand, C.B., C.B., late I.C.S.—[Europe] ...	1st Jan. 1894.
39	Major-General Sir Oliver Richardson Newmarch, I.S.C., Retired—[Europe] ...	26th May 1894.
40	Sir James Westland, late I.C.S.—[Europe] ...	1st Jan. 1895.
41	The Hon'ble Sir Frederick William Richards Fryer, I.C.S.—[Burma] ...	Ditto.
42	His Highness Maharao Sir Kesri Singh Bahadur, of Sirahi—[Rajputana] ...	Ditto.
43	Sir Courtenay Peregrine Hbert, C.B., Barrister-at-Law—[Europe] ...	Ditto.
44	Lt.-Col. Sir George Scott Robertson, I.M.S.—[Europe] ...	17th July 1895.
45	Lieutenant-General Sir Henry Brackenbury, C.B., R.A.—[Europe] ...	1st Jan. 1896.
46	Thakur Sahib Sir Mansingji, Chief of Pakhiana—[Bombay] ...	Ditto.
47	Sir William Brakine Ward, late I.C.S.—[Europe] ...	20th May 1896.
48	Brigade-Surgeon-Lieutenant-Colonel Sir Alfred Swaine Lethbridge, M.D., I.M.S., Retired—[Europe] ...	Ditto.
49	The Hon'ble Sir John Woodburn, I.C.S.—[Bengal] ...	1st Jan. 1897.
50	His Highness Maharao Raja Sir Bhagubir Singh Bahadur, C.B., of Bandi—[Rajputana] ...	Ditto.
51	Sir Edward Charles Bask, Kt., late I.C.S.—[Europe] ...	Ditto.
52	Sir William Mackworth Young, I.C.S.—[Europe] ...	22nd June 1897.
53	His Highness Raja Sri Rama Varma, of Cochin—[Madras] ...	Ditto.
54	Sir Charles James Lyall, C.B., I.C.S.—[Europe] ...	Ditto.
55	Sir Robert Joseph Crosthwaite, I.C.S.—[Europe] ...	Ditto.
56	Sir William John Cunningham, I.C.S.—[Europe] ...	Ditto.
57	Major-General Sir Monagu Gilbert Gerard, C.B., I.S.C.—[Europe] ...	Ditto.
58	His Highness Farzand-i-Dilband Rasikh-ul-Mikad Daulat-i-Inglishta Raja-i-Rajagan Raja Sir Jagatjit Singh Bahadur, of Kapurthala—[Punjab] ...	Ditto.
59	Sir Richard Udry, late I.C.S.—[Europe] ...	Ditto.
60	Colonel Sir Howard Melliss, I.S.C.—[Europe] ...	Ditto.
61	His Highness Maharaja Lokindra Sir Bhawani Singh Bahadur, of Datia—[Central India] ...	Ditto.
62	The Hon'ble Sir Arthur Charles Trevor, I.C.S.—[Europe] ...	1st Jan. 1898.
63	Sir John Frederick Price, late I.C.S.—[Nilgiris, Madras] ...	Ditto.
64	Sir William Lee-Warner, late I.C.S.—[Europe] ...	21st May 1898.
65	Sir Trevor John Chichele Chichele-Plowden, I.C.S.—[Europe] ...	Ditto.
66	His Highness Sir Rasulkhanji Mahabubkhanji, Nawab of Junagadh—[Bombay] ...	Ditto.
67	Sir Charles Cecil Stevens, late I.C.S.—[Europe] ...	Ditto.
68	His Highness Maharao Sir Umed Singh Bahadur, of Kota—[Rajputana] ...	Ditto.
69	The Hon'ble Sir Charles Montgomery Rivaz, I.C.S.—[Punjab] ...	22nd May 1900.
70	The Hon'ble Sir James John Digges La Touche, I.C.S.—[United Provinces] ...	1st Jan. 1901.
71	H. H. Raja Sir Surindar Bikram Prakash Bahadur, of Sirmur—[Punjab] ...	9th Nov. 1901.
72	Sultan Sir Ahmad bin Fadhl, of Lahaj—[Aden] ...	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHT COMMANDERS—concl'd.		
73	The Hon'ble Lieut.-Colonel Sir David William Keith Barr, I.S.C.—[Hyderabad] ...	26th June 1902.
74	The Hon'ble Sir Henry Stedman Cotton, I.C.S.—[on leave] ...	Ditto.
75	Sir Amaravati Seehayya Sastri—[Madras] ...	Ditto.
THIRD CLASS, OR COMPANIONS—(160).		
1	William Ford, Esq., late I.C.S.—[Europe] ...	28th March 1866.
2	General Sir Crawford Trotter Chamberlain, C.B., I.S.C.—[Europe] ...	Ditto.
3	John Walter Shorer, Esq., late I.C.S.—[Europe] ...	Ditto.
4	General Richard Harte Keatings, V.C., I.S.C.—[Europe] ...	Ditto.
5	Major-General John William Younghusband, I.S.C., Retired—[Europe] ...	Ditto.
6	Eyre Burton Powell, Esq., M.A.—[Europe] ...	Ditto.
7	Levin Bentham Bowring, Esq., late I.C.S.—[Europe] ...	Ditto.
8	Major-General Frederic Conyers Cotton, Madras Engineers—[Europe] ...	16th Sept. 1867.
9	Lieutenant-General Sir John Blick Spurgin, K.C.B., British Army, Retired—[Europe] ...	8th Dec. 1868.
10	William James Money, Esq., late I.C.S.—[Europe] ...	2nd June 1869.
11	Lieutenant-Colonel William Dickinson, I.S.C., Retired—[Europe] ...	Ditto.
12	Richard Nicars Boyle, Esq.—[Europe] ...	Ditto.
13	Mir Akbar Ali Khan Bahadur, of Hyderabad—[Hyderabad Deccan] ...	Ditto.
14	Raja Jai Krishan Das Bahadur, of Moradabad—[United Provinces] ...	Ditto.
15	General Sir Henry Edward Landor Thauillier, Kt., R.A., Retired—[Europe] ...	28th May 1870.
16	General Sir Martin Dillon, K.C.B., British Army—[Europe] ...	Ditto.
17	General Sir Peter Stark Lumsden, C.B., I.S.C.—[Europe] ...	Ditto.
18	Lionel Robert Ashburner, Esq., late I.C.S.—[Europe] ...	3rd June 1870.
19	Major-General Alfred Thomas Etheridge, I.S.C., Retired—[Europe] ...	30th May 1871.
20	Colonel Sir Charles Bean Euan-Smith, K.C.B., M., G.L.I., Retired—[Europe] ...	31st May 1872.
21	Major-General Beresford Lovett, C.B., R.E., Retired—[Europe] ...	15th Nov. 1872.
22	General Sir Thomas Edward Gordon, K.C.B., C.B., I.S.C.—[Europe] ...	6th Feb. 1873.
23	Robert Barclay Chapman, Esq., late I.C.S.—[Europe] ...	7th Aug. 1874.
24	Edward William Ravenscroft, Esq., late I.C.S.—[Europe] ...	23rd Oct. 1875.
25	General Francis Hornblow Dundall, R. (Madras) R.—[Europe] ...	Ditto.
26	Philip Sandys Melville, Esq., late I.C.S.—[Europe] ...	Ditto.
27	General James Michael, I.S.C.—[Europe] ...	7th March 1876.
28	Major-General Sir Arthur Edward Augustus Ellis, K.C.V.O., British Army—[Europe] ...	Ditto.
29	Major-General Philip Durham Henderson, Madras Cavalry—[Europe] ...	Ditto.
30	Nawab Saiyid Fath Ali Khan Bahadur, Nawab of Banganapalle—[Madras] ...	Ditto.
31	Whitley Stokes, Esq., C.B.—[Europe] ...	1st Jan. 1877.
32	George Thornhill, Esq., late I.C.S.—[Europe] ...	Ditto.
33	Thomas Henry Thornton, Esq., D.C.I., late I.C.S.—[Europe] ...	Ditto.
34	Bakhshi Khoman Singh, of Indore—[Central India] ...	Ditto.
35	Colonel Leopold John Herbert Grey, I.S.C.—[Punjab] ...	Ditto.
36	Sir George Christopher Moleworth Birdwood, K.C.B., M.D.—[Europe] ...	Ditto.
37	Sir Edwin Arnold, K.C.B.—[Europe] ...	Ditto.
38	General Charles James Merriman, R.E., Retired—[Europe] ...	Ditto.
39	John Henry Garstin, Esq., late I.C.S.—[Europe] ...	25th May 1878.
40	Robert Davidson, Esq., late I.C.S.—[Europe] ...	Ditto.
41	Colonel Sir Colin Campbell Scott Moncreiff, K.C.B., R.E., Retired—[Europe] ...	Ditto.
42	Major-General Montague Protheroe, C.B., I.S.C.—[Burma] ...	Ditto.
43	Colonel Henry Wylie, B., G.L.I.—[Europe] ...	22nd Feb. 1881.
44	Major-General William Tweedie, I.S.C.—[Europe] ...	Ditto.
45	Sir Donald Campbell Macnabb, K.C.B., late I.C.S.—[Europe] ...	Ditto.
46	Horace Abel Cockerell, Esq., late I.C.S.—[Europe] ...	24th May 1881.
47	Colonel Sir Edward Charles Ross, Kt., I.S.C.—[Europe] ...	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
48	William Brittain Jones, Esq., late I C S—[Europe]	24th May 1883.
49	Henry William Primrose, Esq., late I C S—[Europe]	1st Jan. 1885.
50	Herbert John Reynolds, Esq., late I C S—[Europe]	6th June 1885.
51	Surgeon-General James Macnab Cunningham, M.D., I M S., Retired—[Europe]	Ditto.
52	Lieut.-General Michael Weekes Willoughby, I S C—[Europe]	Ditto.
53	Henry Edward Sullivan, Esq., late I C S—[Europe]	Ditto.
54	Sir Charles Bradley Pritchard, K.C.B., I C S—[Europe]	1st Jan. 1886.
55	Charles Gilbert Master, Esq., late I C S—[Europe]	24th May 1886.
56	Raja Piam Mohan Mukharji, of Uttarpara—[Bengal]	18th Feb. 1887.
57	Sir Frederick Russell Hogg, K.C.B., late I C S—[Europe]	Ditto.
58	Colonel Charles Edward Yate, C.B., I S C—[Baluchistan]	Ditto.
59	William Rudolph Henry Mark, Esq., I C S—[Europe]	Ditto.
60	Rao Chhatrapati Bahadur, Jagadar of Alipura—[Central India]	Ditto.
61	The Hon'ble U. Gaing, Es-Kiwin Mingyi—[Burma]	Ditto.
62	Sir William Gerald Seymour Vesey Fitzgerald, K.C.B.—[Europe]	Ditto.
63	Francis Langford O'Callaghan, Esq., C.B.—[Europe]	Ditto.
64	Edwin Baban Cave-Browne, Esq.—[Europe]	2nd Jan. 1888.
65	Colonel Edward James Ommathney, I S C—[Europe]	Ditto.
66	Colonel John Clerk, C.V.O.—[Europe]	24th May 1889.
67	James Richard Naylor, Esq., late I C S—[Europe]	14th Oct. 1889.
68	David Robert Lyall, Esq., late I C S—[Europe]	20th May 1890.
69	Sardar Jivan Singh of Shanzapur, Umballa—[Punjab]	1st Jan. 1891.
70	Colonel Percy William Powlett, I S C—[Europe]	Ditto.
71	Colonel George Herbert Trevor, I S C—[Europe]	Ditto.
72	Surgeon-Major-General William Roche Rice, M.D., I M S., Retired—[Europe]	30th May 1891.
73	Colonel Frederick Jarvis Home, R.E., Retired—[Europe]	15th May 1892.
74	Lieutenant-Colonel Henry St. Patrick Maxwell, I S C—[Assam]	Ditto.
75	Raja Uday Parthab Singh, of Baling—[United Provinces]	Ditto.
76	George Robert Elsmie, Esq., late I C S—[Europe]	3rd Jan. 1893.
77	Herbert Mills Birdwood, Esq., late I C S—[Europe]	Ditto.
78	Major-General Alexander Walker, R.A.—[Residing out of India]	3rd June 1893.
79	Colonel Harlock Galloway Pritchard, I C S—[Europe]	Ditto.
80	Jervoise Athelstane Baines, Esq., late I C S—[Europe]	Ditto.
81	Sir Thomas Salter Pyne, Kt., M.P.—[Europe]	1st Jan. 1894.
82	Major-General Robert Charles Bollean Pemberton, R.E., Retired—[Europe]	Ditto.
83	Lieut.-General Alexander Robert Badcock, C.B., I S C—[India]	Ditto.
84	The Hon'ble Mr. Donald Mackenzie Smeaton, I C S—[Burma]	1st Jan. 1895.
85	Colonel William Francis Pridoux, late I S C—[Europe]	Ditto.
86	Alan Cadell, Esq., I C S., Retired—[Europe]	Ditto.
87	Sir Alexander Edward Miller, Kt., K.C.—[Europe]	25th May 1895.
88	Arthur Forbes, Esq., I C S—[Bengal]	Ditto.
89	Kerala Varma Valiya Koll Tamburan, Consort of Her late Highness Raja Rajeshwari Rani Lakshmi Bai Saibai, C.I., Senior Rani of Travancore—[Madras]	Ditto.
90	Colonel John Pennycook, R.E., Retired—[Europe]	Ditto.
91	The Hon'ble Mr. Denzil Charles Jelf Ibbeston, I C S—[India]	11th Oct. 1895.
92	Arthur Upton Fanshawe, Esq., I C S—[India]	1st Jan. 1896.
93	Colonel George Fletcher Otley Berghy, R.E., Retired—[Europe]	Ditto.
94	Lieut.-Col. Harold Arthur Deane, I S C—[N.W. Frontier Pro.]	21st Jan. 1896.
95	James Fairbairn Finlay, Esq., I C S—[India]	Ditto.
96	Joseph Parker, Esq.—[Europe]	30th May 1896.
97	The Hon'ble Mr. Charles Lewis Tupper, I C S—[Punjab]	26th Sept. 1896.
98	The Hon'ble Mr. Andrew Henderson Leith Fraser, I C S—[Central Provinces]	1st Jan. 1897.
99	The Hon'ble Mr. Hugh Shakespeare Barnes, I C S—[India]	Ditto.
100	Surgeon-General William Roe Hooper, I M S., Retired—[Europe]	22nd June 1897.
101	John Molesworth Macpherson—[India]	Ditto.
102	The Hon'ble Mr. James Monteath, I C S—[Bombay]	Ditto.
103	The Hon'ble Mr. Charles Walter Bolton, I C S—[Bengal]	Ditto.
104	Horatio Frederick D'Oyly Moulde, Esq., late I C S—[Europe]	Ditto.
105	Surgeon-General James Cleghorn, M.D., I M S.—[Europe]	Ditto.
106	Colonel Thomas Gracey, R.E.—[Residing out of India]	Ditto.
107	Colonel James Aloysius Milay, I S C—[India]	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
108	Colonel Andrew Wilson Baird, late R.F., Retired—[Residing out of India]	22nd June 1897.
109	Khachar Ala Chela, Chief of Jashan—[Bombay]	Ditto.
110	Henry Babington Smith, Esq.—[Europe]	Ditto.
111	Henry Aiken Anderson, Esq., I C S—[Punjab]	Ditto.
112	Major Arthur Henry McMahon, C.B., I S C—[Baluchistan]	Ditto.
113	Robert Steel, Esq.—[Europe]	Ditto.
114	Sardar Bahadur Kashi Rao Sarve, of Gwalior—[Central India]	Ditto.
115	Sir Henry Evan Marchison James, K.C.B., I C S—[Europe]	1st Jan. 1898.
116	James Knox Spence, Esq., I C S—[Bombay]	Ditto.
117	Michael Finnegan, Esq., I C S—[Bengal]	Ditto.
118	The Hon'ble Mr. Charles William Odling, M.C.B., M.E.—[United Provinces]	Ditto.
119	Raja Tasadduk Rasid Khan, of Barabanki—[United Provinces]	Ditto.
120	The Hon'ble Mr. James Austin Bourdillon, I C S—[Bengal]	Ditto.
121	Alexander Walsley Crickshaw, Esq., I C S—[United Provinces]	Ditto.
122	Thomas William Holderness, Esq., I C S (Retired)—[Europe]	Ditto.
123	David Norton, Esq., I C S—[Burma]	Ditto.
124	Thomas Stoker, Esq., late I C S—[Europe]	Ditto.
125	Colonel Maule Campbell Brackenbury, R.E.—[Punjab]	21st May 1898.
126	Edward Richard Henry, Esq., I C S (Retired)—[South Africa]	Ditto.
127	Lucas White King, Esq., I C S—[Punjab]	Ditto.
128	Ruan Bahadur Yar Muhammad Khan, of Jaora—[Central India]	Ditto.
129	Mackenzie Dalziel Chalmers, Esq.—[Europe]	Ditto.
130	The Hon'ble Mr. Arundel Tagg Arundel, I C S—[India]	31st Dec. 1898.
131	The Hon'ble Lieutenant-Colonel Donald Robertson, I S C—[Mysore]	Ditto.
132	His Highness Raja Kirti Sah of Tehri, Garhwal—[United Provinces]	Ditto.
133	John Prescott Hewett, C.I.B., I C S—[Central Provinces]	Ditto.
134	Colonel William Plesce Warburton, M.D., I M S., Retired—[Europe]	Ditto.
135	Surgeon-General David Sinclair, M.A., I M S.—[Burma]	Ditto.
136	The Hon'ble Mr. Henry Harrington Evans, I C S—[United Provinces]	Ditto.
137	Lieutenant-Colonel John Muir Hunter, I S C—[Europe]	3rd June 1899.
138	The Hon'ble Mr. Richard Gillies Hardy, I C S—[United Provinces]	Ditto.
139	The Hon'ble Mr. Henry Martin Winterbotham, I C S—[Madras]	1st Jan. 1900.
140	The Hon'ble Mr. Arthur Henry Temple Martindale, I C S—[Rajputana]	23rd May 1900.
141	Frederick Robert Upcott, Esq., M.C.B.—[Europe]	Ditto.
142	Herbert Charles Fanshawe, Esq., I C S (Retired)—[Europe]	Ditto.
143	The Hon'ble Mr. Edmund Norman Baker, I C S—[India]	Ditto.
144	The Hon'ble Mr. Frederick Styles Philipin Lely, I C S—[Bombay]	Ditto.
145	The Hon'ble Mr. John Ontario Miller, I C S—[United Provinces]	1st Jan. 1901.
146	George Robert Irwin, Esq., I C S. on leave—[Europe]	Ditto.
147	William Robert Bright, Esq., I C S—[Bengal]	Ditto.
148	Colonel George Lloyd Reilly Richardson, C.B., C.I.B., I C S—[Punjab]	Ditto.
149	Stanley Ismay, Esq., I C S—[Central Provinces]	24th July 1901.
150	The Hon'ble Mr. David Thomas Roberts, I C S—[United Provinces]	9th Nov. 1901.
151	The Hon'ble Mr. James Wilson, I C S—[Punjab]	Ditto.
152	Robert Barton Buckley, Esq., M.C.B.—[Europe]	Ditto.
153	Arthur Frederick Cox, Esq., I C S—[Burma]	Ditto.
154	Charles Gervien Bayne, I C S—[Burma]	Ditto.
155	The Hon'ble Mr. Thomas Raleigh—[India]	Ditto.
156	The Hon'ble Mr. James Thomson, I C S—[Madras]	26th June 1902.
157	The Hon'ble Mr. Joseph Bampfylde Fuller, C.I.B., I C S [Assam]	Ditto.
158	Lieutenant-Colonel Arthur Parry Thomson, I S C [Rajputana]	Ditto.
159	Hartley Kennedy, Esq., [Bombay]	9th June 1902.
160	Edward Charles Ozanne, Esq., M.C.B., I C S (Retired)—[Europe]	Ditto.
161	Edwin Grant Burls, Esq.—[Europe]	Ditto.

THE MOST EMINENT ORDER OF THE INDIAN EMPIRE.

[INSTITUTED 31st DECEMBER 1877; ENLARGED 2nd AUGUST 1886,
1st JUNE 1887, 12th MAY 1892, 1897, 1901, and 10th JUNE 1897.]

SOVEREIGN.

HIS MOST GRACIOUS MAJESTY THE KING, EMPEROR OF INDIA.

GRAND MASTER.

His Excellency the Viceroy and Governor-General of India, the Right Honorable George Nathaniel Curzon, Baron Curzon in the County of Derby, in the Peerage of Ireland, G. M. S. L., &c.

(8th JANUARY 1890.)

OFFICERS OF THE ORDER.

Registrar.—Sir Albert William Woods, K.C.B., K.C.M.G., *Carte Principal King of Arms, Herald's College, London.*

[APPOINTED 31st DECEMBER 1877.]

Secretary.—Hugh Shakespear Barnes, Esq., C.S.I., I.C.S., *Secretary to the Government of India in the Foreign Department.*

[APPOINTED 24th DECEMBER 1900.]

EXTRA KNIGHTS GRAND COMMANDERS.

General H. R. H. Arthur William Patrick Albert, Duke of Connaught and Strathearn, K.C.B., K.C.M.G., G.C.B., G.C.S.I., G.C.M.G., G.C.V.O.—21st June 1887.
Field Marshal H. R. H. George William Frederic Charles, Duke of Cambridge, K.C.B., K.C.M.G., G.C.B., G.C.S.I., G.C.M.G., G.C.V.O.—21st June 1887.

HONORARY KNIGHT GRAND COMMANDER.

H. I. M. The Emperor of Korea, 17th December 1890.

HONORARY KNIGHTS COMMANDERS.

Sir Leon Emile Clement-Thomas, Officer of the Legion of Honour, late Governor of the French Settlements in India—1st September 1893.
His Excellency Colonel Sir Eduardo Augusto Rodriguez Galhardo, Governor-General of Portuguese India—1st January 1901.
His Excellency Mukhtsar-ed-Dowlah Hussein Kali Khan Mukhtbar-al-Mulk, (Persia)—26th June 1902.

HONORARY COMPANIONS.

H. E. Monsieur Laurent Marie Emile Beauchamp, Governor of Réunion and its Dependencies—30th July 1897.
General A. Houtum-Schindler, of the Persian Service—23rd March 1900.

No.	MEMBERS.	DATE OF APPOINTMENT.
FIRST CLASS, OR KNIGHTS GRAND COMMANDERS—(32).		
	The Right Hon'ble Donald James, Lord Eassey, G.C.S.I.—[Europe] [Additional] ...	11st June 1887.
1	Field Marshal The Right Hon'ble Frederick Sleigh, Earl Roberts of Kandahar, K.C.B., G.C.B., G.C.S.I., V.C., R.A.—[Europe] ...	Ditto.
2	His Highness Maharao Shri Mirza Raja Sawai Sir Khengarji Bahadur, Rao of Cutch—[Bombay] ...	30th June 1887.
3	Lieutenant-Colonel His Highness Maharaja Sir Nripendra Narayan Bahadur, C.B., of Cooch Behar—[Bengal] ...	23rd Feb. 1888.
	The Most Hon'ble the Marquess of Lansdowne, K.C., G.C.S.I., G.C.M.G.—[Europe]—[Additional] ...	10th Dec. 1888.
	The Right Hon'ble George Robert, Lord Harris, G.C.S.I.—[Europe] [Additional] ...	20th May 1890.
4	His Highness Amin-ud-Daula Wazir-ul-Mulk Nawab Sir Muhammad Ibrahim Ali Khan Bahadur Saadat Jang, of Tonk—[Rajputana] ...	Ditto.
5	His Highness Amin-ud-Daula Amir-ul-Umras Nawab Sir Sayid Hasan Ali Khan Bahadur Mahabul Jang, of Murshidabad—[Bengal] ...	Ditto.
	The Right Hon'ble Beilby, Lord Wenlock, G.C.S.I.—[Europe] [Additional] ...	23rd Jan. 1891.
6	Sir James Broadwood Lyall, K.C.S.I., late I.C.S.—[Europe] ...	25th May 1892.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHTS GRAND COMMANDERS—concl.		
7	General Sir George Stewart White, G.C.B., G.C.S.I., G.C.M.G., G.C.V.O., V.C.—[Gibraltar] ...	10th Mar. 1893.
	The Hon'ble the Earl of Elgin and Kincardine, G.C.S.I.—[Europe] [Additional] ...	27th Jan. 1894.
8	His Highness Beglar Begi Mir Sir Mahmud Khan, Wali of Kabul—[Baluchistan] ...	11th Aug. 1894.
	His Excellency The Right Hon'ble William, Lord Sandhurst, G.C.S.I.—[Europe] [Additional] ...	27th Feb. 1895.
9	Sir Alfred Comyns Lyall, K.C.B., late I.C.S.—[Europe] ...	1st Jan. 1896.
	His Excellency Sir Arthur Elibank Havelock, G.C.S.I., G.C.M.G.,—[Tasmania] [Additional] ...	15th Mar. 1896.
10	Major-General Sir Owen Tudor Burne, K.C.S.I., British Service, Retired—[Europe] ...	1st Jan. 1897.
11	H. H. Maharaja Sir Bhanwar Pal Deo Bahadur Yadukul Chandra Bhal, of Karauli—[Rajputana] ...	22nd June 1897.
12	His Highness Mir Fazl Muhammad Khan, Talpur, of Khairpur, Sind—[Bombay] ...	Ditto.
13	His Highness Sir Bhagwatsinghji, Sagwanji, Thakur Sahib of Gondal—[Bombay] ...	Ditto.
14	General Sir Crawford Trotter Chamberlain, C.S.I., I.S.C.—[Europe] ...	Ditto.
15	His Highness Sir Waghji Ravaji, Thakur Sahib of Morvi—[Bombay] ...	31st July 1897.
16	Sir George Fandel Fandel-Phillips, Bart.—[Europe] ...	15th Oct. 1897.
17	His Highness Maharaja Sir Prabhu Narayan Singh Bahadur, of Benares [United Provinces] ...	1st Jan. 1898.
18	His Highness Sir Sher Muhammad Khan, Diwan of Palanpur—[Bombay] ...	Ditto.
19	His Excellency the Right Hon'ble Henry-Stafford, Lord Northcote, C.B., [Bombay] ...	17th Feb. 1900.
20	His Highness Saranad-i-Rajaha-i-Hindustan Raj Rajindra Sri Maharaja-Shiraj Sawai Sir Madho Singh Bahadur, C.S.I., of Jaipur—[Rajputana] ...	23rd May 1900.
21	His Highness Saranad-i-Rajaha-i-Bundelkhand Maharaja Mahindra Sawai Sir Pratab Singh Bahadur, of Orchha—[Central India] ...	Ditto.
22	His Excellency the Right Hon'ble Arthur Villiers, Lord Amphill—[Madras] ...	28th Dec. 1900.
23	Major-General Sir Edwin Henry Hayter Collen, C.B., I.S.C.,—[Europe] ...	1st Jan. 1901.
24	His Highness Maharao Raja Sir Raghubir Singh Bahadur, K.C.S.I., of Burdi—[Rajputana] ...	Ditto.
	Major-General Sir Alfred Gaselee, K.C.B., I.S.C.—[United Provinces] [Additional] ...	24th July 1901.
25	His Excellency Sir Arthur Power Palmer, K.C.B., I.S.C.—[India] ...	9th Nov. 1901.
26	His Highness Maharao Sir Karsi Singh Bahadur, K.C.S.I., of Sirhi—[Rajputana] ...	Ditto.
27	His Highness Agha Sir Sultan Muhammad Shah Agha Khan, K.C.I.E.—[Bombay] ...	26th June 1902.
28	Sir Henry Waterfield, K.C.S.I., C.B.—[Europe] ...	Ditto.
SECOND CLASS, OR KNIGHTS COMMANDERS—(82).		
1	Sir Dietrich Brandis, of Bonn, Germany—[Europe] ...	16th Feb. 1887.
2	Sir Alexander Meadows Rendel, M.C.E.—[Europe] ...	Ditto.
3	Sir Donald Campbell Macnabb, C.S.I., late I.C.S.—[Europe] ...	Ditto.
4	Sir George Christopher Molesworth Birdwood, C.S.I., M.D.,—[Europe] ...	Ditto.
5	Surgeon-General Sir Benjamin Simpson, M.D., I.M.S., Retired—[Europe] ...	Ditto.
6	Sir Albert James Leppoc Cappel—[Europe] ...	Ditto.
7	Sir Donald Mackenzie Wallace—[Europe] ...	Ditto.
8	Sir Alfred Woodley Croft—[Europe] ...	Ditto.
9	Sir Bradford Leslie—[Europe] ...	Ditto.
10	Sir Jaswantsingji Fatehsingji, Thakur Sahib of Limri—[Bombay] ...	30th June 1887.
11	Sir William Gerald Seymour Vesey Fitzgerald, C.S.I.—[Europe] ...	17th Aug. 1887.
12	Sir Charles Arthur Turner—[Europe] ...	2nd Jan. 1888.
13	Sir Edwin Arnold, C.S.I.—[Europe] ...	Ditto.
14	Sir Arthur Nicolson, C.B.—[Europe] ...	20th Mar. 1888.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHTS COMMANDERS—contd.		
15	Sir Raymond West, late I.C.S.—[Europe]	1st June 1889.
16	Sir Guilford Lindsay Molesworth—[Europe]	Ditto.
17	Sir Frederick Russell Hogg, c.s.i. late I.C.S.—[Europe]	Ditto.
18	Sardar Sir Nazoo Khan, of Kharran—[Baluchistan]	Ditto.
19	Nawab Sir Imam Bakhsh Khan, Mazari Chief, Dera Ghazi Khan District—[Punjab]	Ditto.
20	Raja Velupoti Sri Sir Raja Gopala Krishna Yachendra Bahadur Pancha Hazar Mansabdar, of Venkatagiri—[Madras]	Ditto.
21	Maharaja Sir Narendra Krishna Bahadur, of Calcutta—[Bengal]	Ditto.
22	Sir Henry Mortimer Durand, c.m.c., c.s.i., late I.C.S.—[Europe]	Ditto.
23	Sir Arthur George Macpherson—[Europe]	1st Jan. 1889.
24	Sir William Marbury—[Europe]	Ditto.
25	Sir Henry Stuart Cunningham—[Europe]	Ditto.
26	Maharaja Sri Sir Wakhat Singhji, Raja of Lurawara—[Bombay]	24th May 1889.
27	Sir Roper Lethbridge—[Europe]	1st Jan. 1890.
28	Sir Charles Bradley Pritchard, c.s.i., late I.C.S.—[Europe]	30th May 1891.
29	Sir Charles Pontifex—[Europe]	26th May 1892.
30	Sir Henry Hoyle Howorth—[Europe]	Ditto.
31	The Hon'ble Sir Edward Charles Kayll Olivant—[Europe]	Ditto.
32	Sir Henry Seymour King—[Europe]	15th Aug. 1892.
33	Raja Sir Muhammad Amir Hasan Khan, Khan Bahadur, of Mah-mulshah—[United Provinces]	3rd June 1893.
34	Honorary Colonel Sir William Breton Hudson, V.D., late of the Bahar Light Horse Volunteers—[Bengal]	Ditto.
35	General Sir Thomas Edward Gordon, c.s.i., I.C.S.—[Europe]	Ditto.
36	General Sir Edward Charles Sparshott Williams, R.E.—[Europe]	Ditto.
37	Sir John Lambert—[Europe]	Ditto.
38	Major-General Sir John Charles Ardagh, c.s., R.E.—[Europe]	Ditto.
39	Sir James Lyle Mackay—[Europe]	Ditto.
40	Raja Sir Sushal Deo, of Banara—[Central Provinces]	1st Jan. 1895.
41	Colonel Sir Henry Ravenshaw Thulier, R.E.—[Europe]	Ditto.
42	Nawab Sidi Sir Ahmad Khan Sidi Ibrahim Khan, of Janjira—[Bombay]	Ditto.
43	The Hon'ble Maharaja Sir Venkata Svetschalapati Ranga Rao, Zamindar of Bobbili—[Madras]	Ditto.
44	Sir William Robert Brooke—[Europe]	25th May 1895.
45	The Hon'ble Maharaja Sir Partab Narayan Singh, of Ajudhya—[United Provinces]	Ditto.
46	Maharaja Sir Rameshwar Prasad Singh Bahadur, of Gidhaur—[Bengal]	Ditto.
47	Lieutenant-Colonel Sir Adelbert Cecil Talbot, I.C.S.—[Europe]	16th Aug. 1895.
48	Major-General Sir Thomas Dennehey, I.C.S., Retired—[Europe]	1st Jan. 1896.
49	His Highness Maharaja Sawai Sir Ranjer Singh Bahadur, Chief of Ajmergarh, Bundelkhand—[Central India]	1st Jan. 1897.
50	Sir Henry William Bliss, late I.C.S.—[Europe]	22nd June 1897.
51	Nawab Sir Amir-ul-Din Ahmad Khan Bahadur, of Lohara—[Punjab]	Ditto.
52	Colonel Sir William Sinclair Smith Bisset, R.E.—[Europe]	Ditto.
53	Major-General Sir Edward Stedman, c.s., I.C.S.	Ditto.
54	Sir John Jardine, late I.C.S.—[Europe]	Ditto.
55	Rear-Admiral Sir John Hext, R.N., Retired—[Europe]	Ditto.
56	Sir Mancharji Merwanji Bhavnagari—[Europe]	Ditto.
57	Colonel Sir Thomas Hungerford Holdich, c.s., R.E.—[Residing out of India]	Ditto.
58	Sir James MacNabb Campbell, I.C.S.—[Bombay]	Ditto.
59	Sir Muhammad Munawar Khan Bahadur, Prince of Arcot	Ditto.
60	The Hon'ble Baba Sir Khem Singh Bedi, of Kallar, Rawalpindi—[Punjab]	1st Jan. 1898.
61	Brigade-Surgeon Lt.-Colonel Sir George King, M.B., I.M.S., Retired—[Europe]	Ditto.
62	Sir Arthur Wilson—[Europe]	Ditto.
63	The Hon'ble Sir Francis William Maclean, Kt., K.C.—[Bengal]	Ditto.
64	Sir Andrew Wingate, I.C.S.—[Europe]	31st Dec. 1898.
65	The Hon'ble Kunwar Sir Harnam Singh, Ahluwalia of Kapur-thala—[Punjab]	Ditto.
66	Major-General Sir Gerald deCourcy Morton, c.s., British Service—[Punjab]	Ditto.
67	Lieutenant-General Sir George Corrie Bird, c.s., I.C.S.—[Punjab]	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
KNIGHTS COMMANDERS—contd.		
68	The Hon'ble Dewan Bahadur Sir S. Subramaniya Aiyar—[Madras]	1st Jan. 1900.
69	Sir Alexander Frederick Douglas Cunningham, I.C.S. [Punjab—on furlough]	1st Jan. 1901.
70	Sir Henry Evan Murchison James, c.s.i., I.C.S.—[Europe]	Ditto.
71	Major His Highness Maharaja Raj [Rajewar], Shrimoni Sir Ganga Singh Bahadur of Bikaner—[Rajputana]—[Additional]	24th July 1901.
72	Nawab Sir Shahbaz Khan, Bngti—[Baluchistan]	9th Nov. 1901.
73	Sir James George Scott—[Barua]	Ditto.
74	Raja Sir Jung Bahadur Khan, of Naupara—[United Provinces]	Ditto.
75	His Highness Maharaja Dhiraj Sipahdar-ul-Mulk Sir Malkhan Singh Bahadur of Charkhari, in Bundelkhand—[Central India]	26th June 1902.
76	The Hon'ble Maharaja Sir Rameshwara Singh Bahadur, of Darbhanga—[Bengal]	Ditto.
77	Sir Thomas Higham, R.E.—[India]	Ditto.
78	Colonel Sir Swinton Jacob, I.C.S.—[Rajputana]	Ditto.
79	Lieutenant-Colonel Sir William Hunt-Carson Wyllie, I.C.S.—[Retired—Europe]	1st Sept. 1902.
THIRD CLASS, OR COMPANIONS.		
Companions and Members ex-officio and for Life.*		
(Under the Old Statutes.)		
1	Sir Alexander John Arbuthnot, c.s.i., late Member of the Council of the Governor-General and Councillor of the Emperor of India—[Europe]	1st Jan. 1878.
2	Sir Auckland Colvin, c.s.i., c.m.g., late Member of the Council of the Governor-General of India—[Europe]	11th Oct. 1883.
3	Sir George Ebenezer Wilson Couper, Bart., c.s.i., c.m., late Lieutenant-Governor of the North-Western Provinces, and Chief Commissioner of Oudh, and Councillor of the Emperor of India—[Europe]	1st Jan. 1878.
4	The Right Hon'ble Earl Cromer, c.m.g., c.m.c., c.s.i., late R.A., and late Member of the Council of the Governor-General—[Egypt]	27th Dec. 1880.
5	Sir Robert Byles Egerton, c.s.i., late Lieutenant-Governor of the Punjab and its Dependencies, and Councillor of the Emperor of India—[Europe]	1st Jan. 1881.
6	The Right Hon'ble Sir James Fergusson, Bart., P.C., c.s.i., c.m.g., late Governor of Bombay—[Europe]	28th April 1880.
7	The Right Hon'ble Sir Mountstuart Elphinstone Grant-Duff, P.C., c.s.i., late Governor of Madras—[Europe]	5th Nov. 1881.
8	Field Marshal Sir Frederick Paul Haines, c.m.g., c.s.i., R. Muz., Fus., late Commander-in-Chief in India, and Councillor of the Emperor of India—[Europe]	1st Jan. 1878.
9	The Right Hon'ble Sir Arthur, Baron Hobhouse, c.s.i., late Member of the Council of the Governor-General and Councillor of the Emperor of India—[Europe]	Ditto.
10	Sir Theodore Craicraft Hope, c.s.i., late Member of the Council of the Governor-General of India—[Europe]	22nd July 1882.
11	Sir Courtenay Percival Albert, c.s.i., late Member of the Council of the Governor-General of India—[Europe]	2nd May 1832.
12	General Sir Henry Wylie Norman, c.m.g., c.m.c., I.C.S., late Member of the Council of the Governor-General and Councillor of the Emperor of India—[Queensland]	1st Jan. 1878.
13	The Most Hon'ble Sir George Frederick Samuel Robinson, Marquess of Ripon, P.C., K.G., c.s.i., late Viceroy and Governor-General of India—[Europe]	8th June 1880.
14	Whitley Stokes, Esq., c.s.i., late Member of the Council of the Governor-General and Councillor of the Emperor of India—[Europe]	1st Jan. 1878.
15	Sir John Strachey, c.s.i., late Member of the Council of the Governor-General and Councillor of the Emperor of India—[Europe]	Ditto.
COMPANIONS.		
1	Richard Naye Puckle, Esq., late I.C.S.—[Europe]	1st Jan. 1878.
2	General William George Mainwaring, I.C.S.—[Europe]	Ditto.
3	Rear-Admiral John Bythess, c.s., V.C., R.N., [Retired]—[Europe]	Ditto.

* Ex-officio appointments are no longer made.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
4	Lieutenant-General Sir Henry Moore, K.C.B., I.S.C.—[Europe]...	1st Jan. 1878.
5	General William Gordon, I.S.C.—[Europe]...	Ditto.
6	Thomas Mitchell Gibbon, Esq.—[Europe]...	Ditto.
7	George Smith, Esq., LL.D., of Edinburgh—[Europe]...	Ditto.
8	Colonel John Henry Rivett-Carnac, V.D., late I.C.S., late Commandant, Ghazipur Volunteer Rifles—[Europe]...	Ditto.
9	Lieutenant-Colonel The Hon'ble George Campbell Napier, Bengal Infantry, Retired—[Europe]...	Ditto.
10	Roscoe Boppet, Esq.—[Europe]...	Ditto.
11	Bamaji Janasphi Dastur—[Bombay]...	1st Jan. 1879.
12	William Digby, Esq.—[Europe]...	Ditto.
13	Colonel Eugene Clatterbuck Incey, I.S.C., Retired—[Europe]...	Ditto.
14	Colonel Edmund Samuel Ludlow, I.S.C.—[Europe]...	Ditto.
15	Surgeon-Major Daniel Robert Thompson, M.D., I.M.S., Retired—[Europe]...	Ditto.
16	Lieutenant-General James Francis Tennant, R.E., Retired—[Europe]...	Ditto.
17	The Reverend Father Eugene Lafont, S.J., of Calcutta—[Bengal]...	1st Jan. 1880.
18	Stephen Paget Walter Vyvyan, Esq.—[Europe]...	Ditto.
19	Sir Charles James Lyall, Esq., K.C.S.I., I.C.S.—[Europe]...	Ditto.
20	Charles Gordon Welland Macpherson, Esq., late I.C.S.—[Europe]...	Ditto.
21	Monsieur Pierre François Henri Niquette, of Nancy, France—[Europe]...	Ditto.
22	Charles Edward Pitman, Esq.—[Europe]...	Ditto.
23	Pandit Sarup Narayan, of Indore—[Central India]...	Ditto.
24	Raja Sir Saurindra Mohan Tagor, Kt., of Calcutta—[Bengal]...	Ditto.
25	Richard Isaac Bruce, Esq.—[Europe]...	15th March 1881.
26	Sir Stewart Colvin Bayley, K.C.S.I., late I.C.S.—[Europe]...	25th May 1881.
27	Mahamahadaya Mahesh Chandra Nyayaratna, of Calcutta—[Bengal]...	Ditto.
28	Mirza Ghulam Ahmad, late E.A.C.—[Punjab]...	Ditto.
29	Sardar Sultan Jan, Saddozai, Punjab Commission—[Punjab]...	Ditto.
30	Brigade-Surgeon John Anderson, Retired—[Europe]...	Ditto.
31	Lieutenant-Colonel Charles William Owen, C.M.G., I.M.S.—[Europe]...	Ditto.
32	Henry Lucius Dampier, Esq., late I.C.S.—[Europe]...	2nd Jan. 1882.
33	General John Augustus Fuller, R.E., Retired—[Europe]...	Ditto.
34	George Pelton Mathew, Esq.—[Europe]...	Ditto.
35	Raj Bahadur Hatin Ram, of Dera Ghazi Khan District—[Punjab]...	Ditto.
36	Ayid Aulad Husain Khan Bahadur—[Central Provinces]...	Ditto.
37	Khan Bahadur Fostaji Jehangir—[Bombay]...	Ditto.
38	Honorary Colonel John Robertson—[Europe]...	Ditto.
39	Sir Henry Christopher Mance, Kt.—[Europe]...	1st Jan. 1883.
40	Henry George Keene, Esq., late I.C.S.—[Europe]...	Ditto.
41	Dr. Mahendra Lal Sarkar, of Calcutta—[Bengal]...	Ditto.
42	Captain Claude Clarke—[Europe]...	Ditto.
43	Casper Purdon Clarke, Esq.—[Europe]...	Ditto.
44	Surgeon-General George Bidie, M.D., I.M.S., Retired—[Europe]...	Ditto.
45	Francis Langford O'Callaghan, Esq., C.S.I., I.C.S.—[Europe]...	24th May 1883.
46	Honorary Colonel David Wilkinson Campbell, V.D., M.C.B., late Commandant, B.I.R. Volunteers, Calcutta—[Europe]...	Ditto.
47	Major-General Thomas Ross Church, I.S.C.—[Europe]...	Ditto.
48	Samuel Jackson, Esq., M.C.B.—[Residing out of India]...	Ditto.
49	Thakur Bichu Singh, of Dholpur—[Rajputana]...	Ditto.
50	Frederick Augustus Hugh Elliot, Esq., late I.C.S.—[Europe]...	Ditto.
51	Pandit Het Ram, of Bareilly—[United Provinces]...	1st Jan. 1884.
52	John Faithful Fleet, Esq., late I.C.S.—[Europe]...	Ditto.
53	Honorary Colonel George Alfred Barnett, V.D., late G.I.P. Volunteer Rifles—[Bombay]...	Ditto.
54	The Rev. Dr. William Miller, M.A., LL.D.—[Madras]...	23rd May 1884.
55	Benjamin Lewis Rice, Esq., Mysore Service—[Mysore]...	Ditto.
56	Colonel Charles Edward Stewart, C.B., C.M.G., I.S.C.—[Europe]...	Ditto.
57	Maharaja Durga Charan Laha, of Calcutta...	Ditto.
58	Monsieur Lucien Boype, of Nancy, France—[Europe]...	1st Jan. 1885.
59	Ralph Thomas Hodgkin Griffith, Esq., of Kotagiri—[Madras]...	Ditto.
60	Colonel Robert Parry Nisbett, late I.S.C.—[Europe]...	6th June 1885.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
61	James Esbonau Nickterlien Hennessy, Esq., of Dehra Dun—[United Provinces]...	6th June 1885.
62	James Burgess, Esq., LL.D.—[Europe]...	Ditto.
63	George Hammett, Esq., of Ootacamund—[Madras]...	Ditto.
64	Raja Sir S. Sivalai Ramaswami Mudaliyar, Kt., of Madras—[Madras]...	Ditto.
65	Mortimer Sloper Howell, Esq., late I.C.S.—[Europe]...	1st Jan. 1878.
66	Colin Arrott Robertson Browning, Esq.—[Europe]...	Ditto.
67	Arthur Naylor Wollaston, Esq.—[Europe]...	Ditto.
68	Muhammad Hasan Khan, of Bhopal—[Central India]...	Ditto.
69	Raj Bahadur Sarat Chandra Das—[Bengal]...	Ditto.
70	Colonel Sir Hugh Richard, Viscount Downe, C.B.—[Europe]...	10th Mar. 1886.
71	Deputy Surgeon-General Alexander Morrison Dallas, I.M.S., Retired—[Europe]...	29th May 1886.
72	Frederick Charles Kennedy, Esq., Irrawaddy Flouila Company—[Burma]...	Ditto.
73	George Wats, Esq., M.C.—[India]...	29th June 1886.
74	Sir John William Tyler, Kt., M.D., Retired—[Europe]...	Ditto.
75	Colonel Augustus LeMessurier, R.E., Retired—[Europe]...	Ditto.
76	Lieutenant Joseph Ralph Edward John Royle, Retired—[Europe]...	Ditto.
77	John Lockwood Kipling, Esq.—[Europe]...	1st Jan. 1887.
78	Dr. Franz Kielhorn—[Europe]...	Ditto.
79	Raj Mehta Panna Lalji, of Udaipur—[Rajputana]...	Ditto.
80	Brigade-Surgeon Henry Himsley Bustard, M.D., I.M.S., Retired—[Europe]...	Ditto.
81	Carl Ludolf Griesbach, Esq., Geological Survey of India—[India]...	16th Feb. 1887.
82	Lieutenant-Colonel Frederick Duncan Balgave, I.S.C.—[Burma]...	Ditto.
83	William Wordsworth, Esq.—[Europe]...	Ditto.
84	Albert Frederick DeLassce, Esq., C.M.C.—[United Provinces]...	Ditto.
85	Sardar Sher Ahmad Khan, E.A.C.—[Punjab]...	Ditto.
86	Honorary Lieutenant-Colonel Risaldar-Major Nawab Muhammad Ahsan Khan, Sardar Bahadur, 5th B.C., Retired—[Punjab]...	Ditto.
87	Henry Montagu Mathews, Esq., M.C.B.—[Europe]...	Ditto.
88	Colonel John Stewart, R.A., Retired—[Europe]...	Ditto.
89	The Hon'ble Saiyid Amir Ali, of Calcutta—[Bengal]...	Ditto.
90	William James Mainland, Esq.—[Europe]...	Ditto.
91	Maung Pe Si, of Mandalay—[Burma]...	Ditto.
92	Kumar Shri Kishore, of Cutch—[Bombay]...	30th June 1887.
93	Brevet-Colonel Charles Wemyss Muir, I.S.C.—[Punjab]...	15th July 1887.
94	Sir Frank Forbes Adam, Kt.—[Europe]...	2nd Jan. 1888.
95	Colonel Henry Constantine Evelyn Ward, I.S.C.—[Europe]...	Ditto.
96	Frederick Thomas Granville Watson, Esq., M.C.B.—[Madras]...	Ditto.
97	Nawab Bahadur Saiyid Amir Hussain, of Calcutta—[Bengal]...	Ditto.
98	Major-General Charles Smith Maclean, C.B., I.S.C.—[Europe]...	20th Mar. 1888.
99	Edmund Forster Webster, Esq., late I.C.S.—[Europe]...	1st June 1888.
100	Honorary Colonel Alexander John Lawrence, late I.C.S., late Commandant, Mussorie V.R. Corps—[Europe]...	Ditto.
101	Major-General James Cavan Berkeley, Madras Army—[Europe]...	Ditto.
102	Hira Sahib Lal Ramanaoj Parsad Singh, of Rewa—[Central India]...	Ditto.
103	Charles Henry Tawney, Esq.—[Europe]...	Ditto.
104	Colonel Thomas Weidon, late I.S.C.—[Europe]...	Ditto.
105	Henry Irwin, Esq., M.C.B., Retired—[Madras]...	Ditto.
106	Lieutenant-Colonel Buchanan Scott, R.E.—[Bengal]...	Ditto.
107	Arthur Heading Hildebrand, Esq.—[Burma]...	Ditto.
108	Lieut.-Colonel James Walker, late 2nd P.V. Rifles—[Europe]...	Ditto.
109	Ramkrishna Gopal Bhandarkar—[Bombay]...	1st Jan. 1889.
110	Surgeon-Major John Findlay, M.D.—[Europe]...	Ditto.
111	Arthur Wallis Paul, Esq., late I.C.S.—[Europe]...	Ditto.
112	Rayner Childs Parker, Esq., Telegraph Department—[Sind]...	10th April 1889.
113	Lieut.-Colonel Charles Henry Elison Adamson, I.S.C., Retired—[Europe]...	24th May 1889.
114	Brigade-Surgeon-Lieutenant-Colonel Isidore Bernadotte Lyon, I.M.S., Retired—[Europe]...	Ditto.
115	John Walker Buyers, Esq., M.C.B., Retired—[Europe]...	Ditto.
116	Sardar Bhagat Singh, of Kapurthala—[Punjab]...	1st Jan. 1890.
117	Colonel William Merriman, R.E., Retired—[Europe]...	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
118	General William Percival Tomkins, R.E.—[Europe]	1st Jan. 1890.
119	Berthold Ribbentrop, Esq.—[Europe]	1st Jan. 1890.
120	Langton Prendergast Walsh, Esq.—[Bombay]	1st Jan. 1890.
121	Henry Paul Todd-Naylor, Esq., I.C.S.—[Burma]	1st Jan. 1890.
122	James Robert Reid, Esq., late I.C.S.—[Europe]	1st Jan. 1890.
123	The Hon'ble Mr. John David Rees, I.C.S.—[Madras—on leave]	1st Jan. 1890.
124	Khan Bahadur Shaikh Hafiz Abdul Karim, of Meerut—[N.W.P.]	1st Jan. 1890.
125	Honorary Colonel James Buckingham, late Assam Valley Administrative Battalion—[Assam]	1st Jan. 1890.
126	Jeremiah Garnett Horsfall, Esq., late I.C.S.—[Europe]	1st Jan. 1890.
127	James George Henry Glass, Esq.—[China]	1st Jan. 1890.
128	Edmund Neel, Esq.—[Europe]	1st Jan. 1890.
129	Captain George Lindsay Holford, M.V.O., 1st Life Guards—[Europe]	1st Jan. 1890.
130	Major-General Louis Henry Emile Tacker, B.G.L.I.—[India]	1st Jan. 1890.
131	Raja Jagmohan Singh, Talukdar of Atru Chandapur, Rae Badi—[United Provinces]	1st Jan. 1890.
132	Theodore Cooke, Esq., M.I.C.E. (Dub.)—[Europe]	1st Jan. 1890.
133	Brigade-Surgeon Thomas Edwin Burton Brown, M.D., I.M.S., Retired—[Europe]	1st Jan. 1890.
134	James Edward O'Connor, Esq., M.S.S. M.I.S.T.—[India]	1st Jan. 1890.
135	Walter Roper Lawrence, Esq., late I.C.S.—[India]	1st Jan. 1890.
136	Colonel Thomas Holburn Hendley, I.M.S.—[Bengal]	1st Jan. 1890.
137	Charles Stewart Murray, Esq.—[Bengal]	1st Jan. 1890.
138	Ernest Octavio Walker, Esq.—[Ceylon]	1st Jan. 1890.
139	John Prescott Hewett, Esq., I.C.S.—[Central Provinces]	1st Jan. 1890.
140	Wilhelm Schlich, Esq., Ph.D.—[Europe]	1st Jan. 1890.
141	Major Francis Edward Younghusband, I.S.C.—[Central India]	1st Jan. 1890.
142	Vincent Robinson, Esq.—[Europe]	1st Jan. 1890.
143	Mancherji Kavaraj Murzban, Khan Bahadur, F.R.I.B.A.M.I.C.B.—[Bombay]	1st Jan. 1890.
144	Frederick Clendon Dawkes, Esq., late I.C.S.—[Europe]	1st Jan. 1890.
145	Lieut.-Colonel Henry Percy Poyndestree Leigh, I.S.C.—[Punjab]	1st Jan. 1890.
146	Maharaja Gode Narayan Gajapati Rao, of Vizagapatnam—[Madras]	1st Jan. 1890.
147	Herbert Hope Risley, Esq., I.C.S.—[Bengal]	1st Jan. 1890.
148	Muhammad Abdulla Khan Bahadur, Isakel, Bannu—[Punjab]	1st Jan. 1890.
149	Joseph Bampfylde Fuller, Esq., I.C.S.—[Assam]	1st Jan. 1890.
150	Herbert Thirkell White, Esq., I.C.S.—[Burma]	1st Jan. 1890.
151	William Turner Threlton-Dyer, Esq., C.M.G., F.R.S.—[Europe]	1st Jan. 1890.
152	Colonel John Walter Otley, R.E., Retired—[Europe]	1st Jan. 1890.
153	Frederick Ewart Robertson, Esq., C.E., Cairo—[Egypt]	1st Jan. 1890.
154	Romesh Chunder Dutt, Esq., late I.C.S.—[Europe]	1st Jan. 1890.
155	Arthur John Hughes, Esq., C.E., Retired—[Calcutta, Bengal]	1st Jan. 1890.
156	Major Hugh Daly, I.S.C.—[India]	1st Jan. 1890.
157	George Pringle Rose, Esq., C.E.—[Hyderabad, Deccan]	1st Jan. 1890.
158	Khan Bahadur Kadirdad Khan Gul Khan—[Sindh]	1st Jan. 1890.
159	Diwan Ganpat Rai—[Baluchistan]	1st Jan. 1890.
160	The Hon'ble Mr. William Benjamin Oldham, I.C.S.—[Europe]	1st Jan. 1890.
161	Maharaja Harballabh Narayan Singh Bahadur, of Sonbarsa—[Bengal]	1st Jan. 1890.
162	Colonel Kenneth James Loch Mackenzie, late I.S.C.—[Europe]	1st Jan. 1890.
163	Colonel William Gordon Cumming, R.E., Retired—[Europe]	1st Jan. 1890.
164	Major-General George Frederick Leicester Marshall, R.E., Retired—[Europe]	1st Jan. 1890.
165	Sardar Bahadur Jagat Singh of Kalatwala, late Subadar-Major, 29th Punjab Infantry—[Punjab]	1st Jan. 1890.
166	Edward Horace Man, Esq.—[Port Blair]	1st Jan. 1890.
167	Naraji Manekji Wadia—[Bombay]	1st Jan. 1890.
168	Captain Alexander Campbell, D.S.O., B.I.M.—[Europe]	1st Jan. 1890.
169	Rao Sahib Thakur Bahadur Singh, of Masuda, Ajmer (Rajputana)	1st Jan. 1890.
170	Shaikh Baha-ud-din, Nawab-i-Ain, of Jangad—[Bombay]	1st Jan. 1890.
171	Brigade-Surgeon-Lieutenant-Colonel David Douglas Cunningham, M.D., F.R.S., I.M.S., Retired—[Europe]	1st Jan. 1890.
172	Honorary-Colonel Alexander Milne, late Sarma Valley Light Horse Volunteers, Silchar, Retired—[Europe]	1st Jan. 1890.
173	Bertram Sagamarez Carey, Esq.—[Burma]	1st Jan. 1890.
174	Diwan Bahadur S. Srinivasa Raghava Aiyengar, B.A.—[Madras]	1st Jan. 1890.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
175	Colonel George Lloyd Reilly Richardson, C.M., I.S.C.—[Hyderabad, Deccan]	5th Aug. 1893.
176	The Hon'ble Phirozshah Merwanji Mehta, M.A., Barrister-at-Law—[Bombay]	1st Jan. 1894.
177	Paul Gregory Mellins, Esq., I.C.S.—[Assam, on furlough]	1st Jan. 1894.
178	The Hon'ble Lieutenant-Colonel Sir George Montgomerie John Moore, Kt., R.A., Retired—[Madras]	1st Jan. 1894.
179	Lieutenant-Colonel Ernest Harold Fenn, R.A.M.C.—[India]	1st Jan. 1894.
180	Lieutenant-Colonel Richard Carnac Temple, I.S.C.—[Port Blair]	1st Jan. 1894.
181	Lieutenant-Colonel John William Hogge, I.S.C.—[Punjab]	1st Jan. 1894.
182	Edward Claudius Scotney George, Esq., I.C.S.—[Burma]	1st Jan. 1894.
183	Robert William Edward Hampe Vincent, Esq.—[Bombay]	1st Jan. 1894.
184	Captain Arthur Henry McMahon, C.S.I., I.S.C.—[Baluchistan]	1st Jan. 1894.
185	Captain John Manners Smith, V.C., I.S.C.—[Europe—on leave]	1st Jan. 1894.
186	John Stuart Donald, Esq.—[Punjab]	1st Jan. 1894.
187	His Highness Mir Muhammad Hasan Ali Khan, Talpur—[Sind, Bombay]	1st Jan. 1894.
188	Colonel Frank William Chatterton, B.G.L.I.—[Europe]	1st Jan. 1894.
189	George Abraham Grierson, Esq., I.C.S.—[India]	1st Jan. 1894.
190	Francis Joseph Edward Spring, Esq., M.I.C.E.—[Madras]	1st Jan. 1894.
191	Thomas Blaney, Esq.—[Bombay]	1st Jan. 1894.
192	Graham Anderson, Esq.—[Mysore]	1st Jan. 1894.
193	Rao Bahadur Sriman Bhikaji Jatar, B.A.—[Berar]	1st Jan. 1894.
194	The Hon'ble Mr. Panubhai Vishram—[Bombay]	1st Jan. 1894.
195	Colonel Henry Sullivan Jarrett, I.S.C.—[Europe]	1st Jan. 1894.
196	Colonel Henry Bristow Sanderson, I.S.C.—[Europe]	1st Jan. 1894.
197	Rao Bahadur Diwan Jaihar Singh Ju Deo, of Charkhari—[Central India]	1st Jan. 1894.
198	The Hon'ble Rai Bahadur Durgagati Banerji, of Calcutta—[Bengal]	1st Jan. 1894.
199	Arthur Crommelin Harkin, Esq.—[Hyderabad, Deccan]	1st Jan. 1894.
200	Adam Gillies Tytler, Esq.—[Bengal]	1st Jan. 1894.
201	Vety-Captain Joshua Arthur Nunn, D.S.O., F.R.C.V.S.—[Punjab]	1st Jan. 1894.
202	Khan Bahadur Hakk Nawaz Khan, Saddozai—[Punjab]	1st Jan. 1894.
203	Gangadhar Rao Madhav Chitnavis—[Central Provinces]	1st Jan. 1894.
204	The Hon'ble Diwan Bahadur Venbakam Bhashyam Aiyangar—[Madras]	1st Jan. 1894.
205	The Hon'ble Mr. Charles Edward Buckland, I.C.S.—[Bengal]	1st Jan. 1894.
206	Alexander Bleakley Patterson, Esq., late I.C.S.—[Europe]	1st Jan. 1894.
207	Harry Arbuthnot Acworth, Esq., late I.C.S.—[Europe]	1st Jan. 1894.
208	Colonel Charles Arkcoll Portecus, I.S.C.—[Europe]	1st Jan. 1894.
209	Colonel Clayton Turner Lane, I.S.C., Retired—[Europe]	1st Jan. 1894.
210	The Hon'ble Mr. Steyning William Edgerley, I.C.S.—[Bombay]	1st Jan. 1894.
211	Trishinopoly Rayan Arakisswami Thunaboo Chetty—[Mysore]	1st Jan. 1894.
212	Khan Bahadur Maulavi Abdul Jabbar—[Bengal]	1st Jan. 1894.
213	Major William Richard Yeilding, D.S.O., I.S.C.—[Kashmir]	1st Jan. 1894.
214	Henry John Stanyon, Esq., (Barrister-at-Law)—[Central Provinces]	1st Jan. 1894.
215	Munsif Hafiz Abdul Karim, C.V.O.—[India]	1st Jan. 1894.
216	Sir Patrick Playfair, Kt.—[Bengal]	1st Jan. 1894.
217	Rana Dalip Singh, Chief of Baghat—[Punjab]	1st Jan. 1894.
218	Frederick John Johnstone, Esq.—[Europe]	1st Jan. 1894.
219	Colonel Richmond Irvine Crawford, I.S.C.—[Europe]	1st Jan. 1894.
220	Richard Morris Dane, Esq., I.C.S.—[India]	1st Jan. 1894.
221	Lieutenant-Colonel Samuel Haslett Browne, M.D., I.M.S.—[Punjab]	1st Jan. 1894.
222	Doctor Rash Behari Ghosh, of Calcutta—[Bengal]	1st Jan. 1894.
223	Frank Henry Cook, Esq.—[Europe]	1st Jan. 1894.
224	Francis Erskine Dempster, Esq.—[Punjab]	1st Jan. 1894.
225	Henry O'Connell Cardozo, Esq.—[Madras]	1st Jan. 1894.
226	Colonel Benjamin Franklin, I.M.S.—[India]	1st Jan. 1894.
227	Major John Shakespeare, D.S.O.—[Assam]	1st Jan. 1894.
228	Raja Bhup Indra Bikram Singh, of Piplur, Bahraich—[Oudh]	1st Jan. 1894.
229	Honorary Lieutenant-Colonel James John McLeod, V.D., Behar Light Horse, and an Honorary A.D.C. to the Lieutenant-Governor of Bengal	1st Jan. 1894.
230	Captain Norman Franks, Indore—[Central India]	1st Jan. 1894.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
231	The Hon'ble Rao Bahadur Chunilal Venilal—[Bombay] ...	20th May 1896.
232	The Hon'ble Lieutenant-Colonel William Earnshaw Cooper, of Cawnpore—[United Provinces] ...	1st Jan. 1897.
233	Alexander Anderson, Esq., I C S—[Punjab] ...	Ditto.
234	John Eliot, Esq., F R S—[India] ...	Ditto.
235	The Hon'ble Sankara Subbairar, of Travancore—[Madras] ...	Ditto.
236	Lieutenant Euton Wallace Petley, R N, Retired—[Bengal] ...	Ditto.
237	Rai Bahadur Pandit Bhag Ram—[Kashmir] ...	Ditto.
238	Khan Bahadur Naoroji Postanji Vakil, of Ahmadabad—[Bombay] ...	Ditto.
239	The Hon'ble Rai Bahadur Panappakam Annada Charlu Vidia Vinodha Avargal—[Madras] ...	22nd June 1897.
240	Colonel Russell Richard Palford, R E—[United Provinces] ...	Ditto.
241	Colonel Algernon George Arnold Durand, C B, I S C—[Europe] ...	Ditto.
242	Benjamin Traill Finch, Esq.—[Europe] ...	Ditto.
243	Frederick Shore Bullock, Esq., late I C S—[Europe] ...	Ditto.
244	Charles Henry Reynolds, Esq., M I C E, Retired—[Europe] ...	Ditto.
245	Colonel Beauchamp Duff, C B, I S C—[Europe] ...	Ditto.
246	Lieutenant-Colonel Robert Alexander Wahab, R E—[Punjab] ...	Ditto.
247	Nawab Afsar-i-Jang Afsar-ud-Daula Bahadur Major Muhammad Ali Beg—[Hyderabad, Deccan] ...	Ditto.
248	Edwin Darlington, Esq.—[Europe] ...	Ditto.
249	James Scatchan, Esq., M I C E, of Karachi—[Europe] ...	Ditto.
250	Purna Narasingharao Krishna Murti—[Mysore] ...	Ditto.
251	The Rev. John Husband, F R S (S), of Ajmere—[Rajputana] ...	Ditto.
252	Dr. Waldemar Mordecai Haefliger—[India] ...	Ditto.
253	Augustus Frederick Rudolf Hamble, Esq., F R S, Calcutta—[Bengal] ...	Ditto.
254	Rustamji Dhanjibhai Mehta, Esq., of Calcutta—[Bengal] ...	Ditto.
255	Charles Godolphin William Hastings, Esq.—[Punjab] ...	Ditto.
256	Khan Bahadur Maanherji Rustamji Dholi, of Aden—[Bombay] ...	Ditto.
257	Honorary Commander Arthur Whitley Chitty, late I N—[Europe] ...	Ditto.
258	Rai Bahadur Daulat Ram, of Jalandhar—[Punjab] ...	Ditto.
259	Colonel John Charles Frederick Gordon, I S C—[Residing out of India] ...	31st July 1897.
260	Lieut.-Colonel Francis Henry Rutherford Drummond, I S C, —Central India ...	Ditto.
261	Charles Stewart Crole, Esq., late I C S—[Europe] ...	1st Jan. 1898.
262	The Hon'ble Sahibzada Muhammad Bakhtiyar Shah—[Bengal] ...	Ditto.
263	The Hon'ble Raja Balwant Singh, of Awa, Etah—[United Provinces] ...	Ditto.
264	Benjamin Robertson, Esq., I C S—[Central Provinces] ...	Ditto.
265	Duncan James Macpherson, Esq., I C S—[Bengal] ...	Ditto.
266	James Campbell Arbuthnot, Esq., I C S—[Assam] ...	Ditto.
267	Robert Warrand Carlyle, Esq., I C S—[Bengal] ...	Ditto.
268	Henry Cecil Ferard, Esq., I C S—[United Provinces] ...	Ditto.
269	Captain John Ramsay, I S C—[Baluchistan] ...	Ditto.
270	Robert Batsan Joyner, Esq., M I C E, Retired—[Europe] ...	Ditto.
271	Charles George Palmer, Esq., M I C E—[United Provinces] ...	Ditto.
272	Lieutenant-Colonel Samuel John Thompson, I M S—[United Provinces] ...	Ditto.
273	Lieutenant-Colonel David Parkes Masson, V D, 1st Punjab Volunteer Rifles—[Punjab] ...	Ditto.
274	Lieutenant-Colonel Frederick Fitzgerald MacCartie, M B, I M S—[Bombay] ...	Ditto.
275	Rai Bahadur Bipin Krishna Bose—[Central Provinces] ...	Ditto.
276	Virchand Dipchand, of Ahmadabad—[Bombay] ...	Ditto.
277	The Hon'ble Mr. Alexander Pennycook—[Burma] ...	21st May 1898.
278	The Hon'ble Mr. Philip Chickley Hyde Snow, I C S—[Bombay] ...	Ditto.
279	Colonel Arthur Mudge Branfoot, M B, I M S—[Burma] ...	Ditto.
280	Edward Fountain Jacob, Esq., M I C E—[United Provinces] ...	Ditto.
281	Lieutenant-Colonel Robert Irvin Scallon, Esq., D S O, I S C—[Baluchistan] ...	Ditto.
282	Honorary Captain Kunwar Bir Bikram Singh, of Sirmur—[Punjab] ...	Ditto.
283	Lieut. Alfred Beckett Minchin, I S C—[Baluchistan] ...	Ditto.
284	William Taylor Van Someren, Esq.—[Kashmir] ...	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—contd.		
285	Charles Still, Esq., of Champaran—[Bengal] ...	21st May 1898.
286	Tahiram Khemchand, of Karachi—[Sind] ...	Ditto.
287	Babu Joy Gobind Law, of Calcutta—[Bengal] ...	31st Dec. 1898.
288	Lieutenant-Colonel Henry Kellock McKay, I M S—[Central Provinces] ...	Ditto.
289	John Sims, Esq.—[Punjab] ...	Ditto.
290	Alexander Izat, Esq., M I C E—[United Provinces] ...	Ditto.
291	Rai Bahadur Dhanpat Rai, Sardar Bahadur, of Jaipur—[Rajputana] ...	Ditto.
292	Khan Bahadur Dhanjibhai Makirji Commodore, of Rawalpindi—[Punjab] ...	Ditto.
293	Major Winthrop Benjamin Browning, I M S—[Madras] ...	Ditto.
294	Major John Joseph Holdsworth, Gorakhpur Vol. Light Horse—[United Provinces] ...	Ditto.
295	Francis Jack Needham, Esq.—[Assam] ...	Ditto.
296	Edalji Dinsha, of Karachi—[Sind] ...	Ditto.
297	Robert Giles, Esq.—[Sind] ...	3rd June 1899.
298	Frederick Augustus Nicholson, Esq., I C S—[Madras] ...	Ditto.
299	Vishwanath Patankar Madhava Rao—[Mysore] ...	Ditto.
300	Henry Blois Hawkins Turner, Esq.—[Europe] ...	Ditto.
301	Lieutenant-Colonel Walter Gawan King, M B, I M S—[Madras] ...	Ditto.
302	James Sykes Gamble, Esq.—[United Provinces] ...	Ditto.
303	Khan Bahadur Kharasji Rustamji Thanawala—[Central India] ...	Ditto.
304	George William Forrest, Esq.—[Europe] ...	Ditto.
305	Captain Frank Popham Young, I C S—[Punjab] ...	Ditto.
306	Reginald Hawkins Openstreet, Esq.—[Burma] ...	Ditto.
307	Khan Bahadur Kazi Faiz-ud-din, Akhundzada, of Kandahar—[Baluchistan] ...	Ditto.
308	Charles Leslie Sutherland, Esq.—[Europe] ...	Ditto.
309	John Sturrock, Esq., I C S, Retired—[Europe] ...	1st Jan. 1900.
310	John Stuart Beresford, Esq., M I C E (Retired) ...	Ditto.
311	Lieutenant-Colonel Malcolm John Meade, I S C—[Central India—on leave] ...	Ditto.
312	Edward Louis Cappel, Esq., I C S—[Bombay] ...	Ditto.
313	Lancelot Hare, Esq., I C S—[Bengal] ...	Ditto.
314	Captain George Olof-Ross-Koppel, I S C—[Punjab] ...	Ditto.
315	George Moss Harriott, Esq., M I C E—[Central Provinces—on furlough] ...	Ditto.
316	Alexander Martin Lindsay, Esq., of Calcutta—[Bengal] ...	Ditto.
317	Maung On Gang, A T M—[Burma] ...	Ditto.
318	Khan Bahadur Muhammad Yakub Waleed Shaikh Ismail—[Bombay] ...	Ditto.
319	Frederick George Brunton Trevor, Esq.—[Europe] ...	Ditto.
320	Francis Whitmore Smith, Esq.—[Europe] ...	Ditto.
321	Rai Bahadur Kalika Das Datta—[Bengal] ...	Ditto.
322	The Hon'ble Diwan Bahadur Pakam Rajaratna Mudaliyar, F R S—[Madras] ...	23rd May 1900.
323	The Hon'ble Mr. Walter Charleston Hughes, F R S, M I C E—[Bombay] ...	Ditto.
324	Colonel Sydney Long Jacob, R E—[Punjab] ...	Ditto.
325	Lieutenant-Colonel Aylmer Martin Crofts, I M S—[Central India] ...	Ditto.
326	Edmund Penny, Esq., M I C E—[Central Provinces—on furlough] ...	Ditto.
327	Henry Marsh, Esq., M I C E—[United Provinces] ...	Ditto.
328	Captain Bertrand Evelyn Mellish Gordon, D S O, I S C—[Chitral] ...	Ditto.
329	George Macartney, Esq.—[Kashmir] ...	Ditto.
330	Rai Bahadur Kailash Chandra Bose, F R S—[Bengal] ...	Ditto.
331	Henry Felix Hertz, Esq.—[Burma] ...	Ditto.
332	Courtenay Walter Bennet, Esq.—[Reunion] ...	29th June 1900.
333	Mian Bhure Singh, of Chamb—[Punjab] ...	1st Jan. 1901.
334	Captain Walter Sumerville Goodridge, R N—[Bombay] ...	Ditto.
335	Colonel Solomon Charles Frederick Pelle, I S C—[Burma] ...	Ditto.
336	Bertram Prior Standen, Esq., I C S—[Central Provinces] ...	Ditto.
337	Henry Alexander Sim, Esq., I C S—[Madras] ...	Ditto.
338	Major James Robert Dunlop-Smith, I S C—[Punjab] ...	Ditto.
339	Major John Crimmin, V C, I M S—[Bombay] ...	Ditto.
340	Major Granville Henry Loch, I S C—[Assam] ...	Ditto.

No.	MEMBERS.	DATE OF APPOINTMENT.
COMPANIONS—concl'd.		
341	Fardinj Kuvayi Tarapurvala, I. C. E.—[Bombay] ...	1st Jan. 1901.
342	Babu Kali Nath Mitter, of Calcutta—[Bengal] ...	Do.
343	Frederick William Latimer, Esq.—[India] ...	Do.
344	William James Scousby, Esq.—[Europe] ...	Do.
345	Lieutenant-Colonel William John Read Rainsford, R. A. M. C. (Additional)—[India] ...	14th July 1901.
346	Lieutenant-Colonel Oswald Claude Radford I. S. C. (Additional)—[on leave—Europe] ...	Do.
347	Lieutenant-Colonel George Kenneth Scott-Moncrieff, R. E. (Additional)—[India] ...	Do.
348	Major John James Carl Watson, M. D., R. A. M. C. (Additional)—[Hongkong] ...	Do.
349	Major Thomas Edwin Scott, D. S. O., I. S. C. (Additional)—[on leave Europe] ...	Do.
350	Lieutenant-Colonel Laurence Austine Waddell, M. D., I. M. S. (Additional)—[India] ...	Do.
351	Sardar Mir Anasif Ali Khan, Commandant, Maler Kotla Imperial Service Sappers (Additional)—[India] ...	Do.
352	Subadar-Major Sardar Khan (Additional)—[Hong Kong] ...	Do.
353	Subadar-Major Yusin, Sardar Khan, Sardar Bahadur, 24th Bengal Infantry (Additional)—[Hong Kong] ...	Do.
354	Commander Gerald Edward Holland, D. S. O., H. I. M., lately Marine Transport Officer, Natal (Additional)—[India] ...	Do.
355	The Hon'ble Mr. Thomas Conlan, Barrister-at-Law—[North-Western Provinces] ...	9th Nov. 1901
356	The Hon'ble Mr. Sidney Preston, A. M. I. C. S.—[Panjab] ...	Do.
357	Murray Hainmick, Esq., I. C. S.—[Madras] ...	Do.
358	Alexander Pedler, Esq., F. A. S.—[Bengal] ...	Do.
359	Richard Amphlett Lamb, Esq., I. C. S.—[Bombay] ...	Do.
360	William Stevenson Mayer, Esq., I. C. S.—[Madras] ...	Do.
361	Alexander Launson Pendock Tucker, Esq., I. C. S.—[Ajmere] ...	Do.
362	Diwan Bahadur Kanchi Krishnaswami Rao, Diwan of Travancore—[Madras] ...	Do.
363	William Leatham Harvey, Esq., I. C. S.—[Bombay] ...	Do.
364	Lieutenant-Colonel John Clibborn, I. S. C.—[North-Western Provinces] ...	Do.
365	Lieutenant-Colonel George Wingate, I. S. C.—[Bengal] ...	Do.
366	Lieutenant-Colonel George Hart Desmond Gimlette, M. D., I. M. S.—[Hyderabad, Deccan] ...	Do.
367	Louis S. Moss, Esq.—[Madras] ...	Do.
368	Arthur Henry Wallis, Esq., of Calcutta—[Bengal] ...	Do.
369	Alexander Johnstone Dunlop, Esq.—[Hyderabad, Deccan] ...	Do.
370	George Herbert Dueres Walker, Esq.—[India] ...	Do.
371	Major Alexander Fleetwood Pinhey, I. S. C.—[Rajputana] ...	Do.
372	Rai Bahadur Narak Chand, Minister of Indore—[Central India] ...	Do.
373	Spencer Harcourt Butler, Esq., I. C. S.—[North-Western Provinces—on furlough] ...	Do.
374	Captain Frank Cooke Webb Ware, I. S. C.—[Baluchistan] ...	Do.
375	Honorary Major Thomas Henry Hill, I. S. M., D.—[India] ...	Do.
376	Rai Bahadur Radhika Prasanna Mukharji—[Bengal] ...	Do.
377	The Hon'ble Rao Bahadur C. Jambulingam Mudaliyar—[Madras] ...	20th June 1902.
378	Alexander Porteus, Esq., I. C. S.—[Assam] ...	Do.
379	Lieutenant-Colonel Thomas Eliwood Lindsay Bates, I. M. S.—[Panjab] ...	Do.
380	The Hon'ble Lockhart Mathew St. Clair, A. M. I. C. E.—[Central Provinces] ...	Do.
381	John Benton, Esq., F. C. M. I. C. E.—[On leave] ...	Do.
382	Marshall Reid, Esq.—[Bombay] ...	Do.
383	Rao Bahadur Pandit Sukhdeo Parshad—[Jodhpur] ...	Do.
384	Stuart Mitford Fraser, Esq., I. C. S.—[On leave] ...	Do.
385	John Gordon Loximer, Esq., I. C. S.—[Panjab] ...	Do.
386	Major Herbert Lionel Shewers, I. S. C.—[Baluchistan] ...	Do.
387	Major Percy Zachariah Cox, I. S. C.—[Maskat] ...	Do.
388	Babu Nalin Bihari Srikar—[Bengal] ...	Do.
389	Major-General Francis Edward Archibald Chamber, I. S. C.—[Europe] ...	Do.

List of Musulmans in the Madras Presidency on whom the titles of "Khan Bahadur" and "Khan Sahib" have been conferred by the British Government.

No.	Name.	Year of Grant.	Residence.	Official form of address.	Remarks.
1	KHAN BAHADURS. Abd-ul-Ali	1876	Madras	Abd-ul-Ali, Khan Bahadur	Son of Muazzaz-ud-daula, late brother of the Third Prince of Arcot.
2	Abd-ul-Yass	1875	Do.	Abd-ul-Yass, Khan Bahadur	Son-in-law of Prince Zahir-ud-daula, Second Prince of Arcot.
3	Ahmad Muhi-ud-din	1875	Do.	Ahmad Muhi-ud-din, Khan Bahadur	Do.
4	Basbir Ahmad	1887	Do.	Basbir Ahmad, Khan Bahadur	Son-in-law of the Third Prince of Arcot.
5	Nawab Ghulam Muhammad	1876	Do.	Nawab Ghulam Muhammad Ghass, Khan Bahadur	Son of Muazzaz-ud-daula, late brother of the Third Prince of Arcot.
6	Ghulam Muhammad Hakeem	1887	Katir	Ghulam Muhammad Hakeem Khan Bahadur	Inspector of Police.
7	Ghulam Muhammad Hasan	1885	Madras	The Honorable Ghulam Muhammad Hasan Ali, Khan Bahadur	Son of Sardar Jang Bahadur.
8	Ghulam Muhi-ud-din	1885	Tanjore	Ghulam Muhi-ud-din, Khan Bahadur	Station Master.
9	Hafiz Ali Mubhar	1888	Madras	Hafiz Ali Mubhar, Khan Bahadur	Son-in-law of the Third Prince of Arcot.
10	Haji Zahir-ud-din Ahmad	1876	Do.	Haji Zahir-ud-din, Ahmad, Khan Bahadur	Son-in-law of Nawab Ghaneia Begum.
11	Manjeri Ahmad Gurkal	1879	Malabar	Manjeri Ahmad Gurkal, Khan Bahadur	Late Inspector of Police.
12	Muhammad Abd-ul-Ali	1875	Madras	Muhammad Abd-ul-Ali, Khan Bahadur	Son of Rasid-ud-daula, Shadi half-brother of the First Prince of Arcot.
13	Muhammad Abd-ul-Bari	1876	Do.	Muhammad Abd-ul-Bari, Khan Bahadur	Grandson of do.
14	Muhammad Anwar-ud-din	1876	Do.	Muhammad Anwar-ud-din, Khan Bahadur	Son of Prince Zahir-ud-daula, Second Prince of Arcot.
15	Muhammad Fazlullah	1875	Do.	Muhammad Fazlullah, Khan Bahadur	Son of the late Nawab Ahmad-un-nisa Begum, daughter of Azim-un-nisa Begum, daughter of Nawab Azim-ud-daula.
16	Muhammad Hemid	1883	Do.	Muhammad Hemid, Khan Bahadur	Son of Prince Zahir-ud-daula, Second Prince of Arcot.
17	Muhammad Isad-ulla	1875	Do.	Muhammad Isad-ulla, Khan Bahadur	do.
18	Muhammad Karamat-ullah	1875	Do.	Muhammad Karamat-ullah, Khan Bahadur	Son of the late Nawab Ahmad-un-nisa Begum, daughter of Azim-un-nisa Begum, daughter of Nawab Azim-ud-daula.
19	Muhammad Mahmud	1885	Do.	Muhammad Mahmud, Khan Bahadur	Son of Muazzaz-ud-daula, late brother of the Third Prince of Arcot.
20	Muhammad Munavar	1876	Do.	Prince Sir Muhammad Munavar, Khan Bahadur, K. C. I. E.	

List of Musulmans in the Madras Presidency on whom the titles of "Khan Bahadur" and "Khan Sahib" have been conferred by the British Government—continued.

No.	Name.	Year of Grant.	Residence.	Official form of address.	REMARKS.
21	Muhammad Abdul Wahhab...	1899 ..	Madras	Mahammad Abdul Wahhab, Khan Bahadur	...
22	Muhammad Munir Saib, n.A.	1899 ..	Do.	Muhammad Munir, Khan Sahib	...
23	Hajee Muhammad Abdul Aziz, Bedaba Sahib.	1901 ..	Do.	Hajee Muhammad Abdul Aziz Badaba, Khan Bahadur	Merchant and Turkish Consul; Son-in-law of Prince Zahir-ud-daula, Second Prince of Arcot.
24	Muhammad Qudrat Aziz ..	1876 ..	Do.	Muhammad Qudrat Aziz, Khan Bahadur	...
25	Muhammad Rahmat-ullah ..	1875 ..	Do.	Muhammad Rahmatullah, Khan Bahadur	Son of Prince Zahir-ud-daula, Second Prince of Arcot.
26	Tajammul Hussain ..	1887 ..	Do.	Tajammul Hussain, Khan Bahadur	Son-in-law of the Third Prince of Arcot.
27	Mirza Muhammad Ismail ..	1890 ..	Do.	Mirza Muhammad Ismail, Khan Bahadur	Late Agent to Her Highness Begum Saliba, widow of the late Nawab of the Carnatic.
28	Muhammad Qadir Nawaz ..	1891 ..	Mandirgud	Muhammad Qadir Nawaz, Khan Bahadur	Deputy Collector.
29	Vellore Muhammad Sharif ..	1891 ..	Madras	V. Muhammad Sharif, Khan Bahadur	Municipal Commissioner, Madras.
30	Abd-us-Subhan ..	1891 ..	Madras	Abd-us-Subhan, Khan Bahadur	Inspector of Police.
31	Muhammad Abd-us-Samed ..	1892 ..	Madras	Haji Muhammad Abd-us-Samed, Khan Bahadur	Grandson-in-law of the 2nd Prince of Arcot.
32	Abubakar Beari ..	1893 ..	Mangalore.	Haji Abubakar Beari, Khan Bahadur	Merchant.
33	Ghulam Muhammad Ali ..	1897 ..	Madras	Ghulam Muhammad Ali, Khan Bahadur	Son of Prince Md. Munawar, Khan Bahadur.
34	Abd-ul-Majid ..	1897 ..	Do.	Abd-ul-Majid, Khan Bahadur	Do.
35	Muhammad Anwar ..	1897 ..	Do.	Muhammad Anwar, Khan Bahadur	Do.
36	Ghulam Muhi-ud-din ..	1897 ..	Do.	Ghulam Muhi-ud-din, Khan Bahadur	Do.
37	Ghulam Raza ..	1897 ..	Do.	Ghulam Raza, Khan Bahadur	Superintendent of Post Offices.
38	Sayad Muhammad ..	1897 ..	Do.	Nawab Sayad Muhammad Sahib.	Collector of Kurnool.
39	Muhammad Raza Khan ..	1900 ..	Do.	Muhammad Raza, Khan Bahadur	Manager, Surgeon-General's Office, Madras.
40	Ghulam Mahmud ..	1899 ..	Do.	Ghulam Mahmud, Khan Bahadur	...
Khan Sahibs.					
41	Said Hussain ..	1888 ..	Madras	Said Hussain, Khan Sahib	Government Pensioner.
42	Lal Beg ..	1893 ..	Russellkonda	Lal Beg, Khan Sahib	Pensioned Sub-Magistrate.

Musulmans holding personal titles of honour by Grant from the titular Nawabs of the Carnatic.

No.	Name.	Date of birth.	Residence.	Official form of address.	REMARKS.
Nawabs.					
1	Ghansiah Begum ..	1822 ..	Madras	Nawab Ghansiah Begum	Relative, Shadi widow of the last Nawab of the Carnatic.
2	Khatir-un-nisa Begum ..	1894 ..	Do.	H. H. Nawab Khatir-un-nisa Begum	Shadi widow of Muazziz-ud-daula Bahadur.
3	Khurshid-un-nisa Begum ..	1843 ..	Do.	Nawab Khurshid-un-nisa Begum	Nikah wife of Prince Muhammad Munawar Khan Bahadur.
4	Rahmat-un-nisa Begum ..	1865 ..	Do.	Nawab Rahmat-un-nisa Begum (Princess of Arcot)	...
—UL-MULK.					
5	'Ali Ahmad ..	1816 ..	Madras	'Ali Ahmad, Khan Bahadur, Iqidar Jang, Afzar-ud-daulah, Rafiat-ul-mulk.	Relative.
—UD-DAULAH.					
6	Haji Ghulam Muhammad ..	1890 ..	Madras	Haji Ghulam Muhammad, Khan Bahadur, Qhatib Jang, Sharf-ud-daulah.	Servant.
7	Muhammad Singhat-ullah ..	1829 ..	Do.	Nicarish Khan Bahadur, Husham Jang, Husham-ud-daulah	Do.
8	Sultan Muhi-ud-din ..	1829 ..	Do.	Ghulam Sultan Muhi-ud-din, Khan Bahadur, Intizam Jang, Aziz-ud-daulah.	Do.
JANG.					
9	Ghulam Nabi 'Ali ..	1827 ..	Madras	Nasir Khan Bahadur, Nasir Jang	Relative.
Khan Bahadur.					
10	Muhammad Zakir 'Ali ..	1825 ..	Madras	Mutanid, Khan Bahadur	Servant.
Khan.					
11	Aziz-ud-din ..	1850 ..	Madras	Aziz-ud-din Khan	Relative.
12	Ghulam Jilani ..	1825 ..	Do.	Ghulam Jilani Khan	Servant.
13	Mir Ghazanfar 'Ali ..	1825 ..	Do.	Mir Ghazanfar 'Ali Khan	Relative.
14	Mir Tipu Hussain ..	1829 ..	Do.	Mir Tipu Hussain Khan	Servant.
15	Qadir Hussain ..	1841 ..	Do.	Qadir Hussain Khan	Do.

WARRANT OF PRECEDENCE.*

HOME DEPARTMENT. NOTIFICATION, PUBLIC, Calcutta, the 10th February 1899, No. 323. In supersession of Home Department Notification, No. 2082, dated the 1st November, 1877, the following new Warrant of Precedence for India, which has been approved by Her Majesty the Queen, Empress of India, and which has received Her Royal Sign Manual, as also the revised Graded List of Civil Offices not reserved for Members of the Indian Civil Service, supplementary to the Warrant of Precedence, which has been prepared under the orders of the Governor-General in Council, are published for general information:—

1. *Warrant of Precedence approved by the Queen, Empress of India.*

VICTORIA, by the Grace of God of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith, Empress of India:

To all to whom these Presents shall come:

Whereas it hath been represented unto Us that it is advisable that the rank and precedence of persons holding appointments in the East Indies as regulated by Our Royal Warrant, dated the 18th day of October 1876, should be altered, we do therefore hereby declare that it is Our will and pleasure that in lieu of the table laid down in our said recited Warrant the following table be henceforth observed with respect to the rank and precedence of the persons hereinafter named, viz:—

- | | |
|---|--|
| 1. Governor-General and Viceroy of India. | 18. Military Officers above the rank of Major-General. |
| 2. Governors of Madras and Bombay. | 19. Additional Members of the Council of the Governor-General, for making Laws and Regulations. |
| 3. President of the Council of the Governor-General. | 20. Bishops of Lahore, Rangoon, and Lucknow. |
| 4. Lieutenant-Governor when in his own territories. | 21. (a) Secretaries to the Government of India. |
| 5. Commander-in-Chief in India. | 22. Commissioner in Sind. |
| 6. Lieutenant-Governor. | 23. Judges of a Chief Court, Recorder of Rangoon and Judicial Commissioners, Burma. |
| 7. Chief Justice of Bengal. | 24. Chief Secretaries to the Governments of Madras and Bombay. |
| 8. Bishop of Calcutta, Metropolitan of India. | 25. Major-Generals, Members of a Board of Revenue, Commissioners of Revenue and Customs, Bombay, and Financial Commissioners, Punjab and Burma. |
| 9. Ordinary Members of the Council of the Governor-General. | 26. Judicial Commissioners, including Additional Judicial Commissioners of Oudh, the Central Provinces and Sind. |
| 10. Commander-in-Chief of Her Majesty's Naval Forces in the East Indies. | 27. Additional Members of the Councils of the Governors of Madras and Bombay for making Laws and Regulations, and Members of the Legislative Council of a Lieutenant-Governor. |
| 11. Chief Justice of a High Court other than that of Bengal. | 28. Vice-Chancellors of Indian Universities. |
| 12. Bishops of Madras and Bombay. | |
| 13. Ordinary Members of Council in Madras and Bombay. | |
| 14. Lieutenant-Generals Commanding the Forces, Punjab, Bengal, Madras and Bombay. | |
| 15. Chief Commissioners of the Central Provinces and Assam, Residents at Hyderabad and in Mysore, and Agents to the Governor-General in Rajputana, Central India and Baluchistan. | |
| 16. Puisne Judges of a High Court. | |
| 17. Chief Judge of a Chief Court. | |

FIRST CLASS.

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|--|--|
| 29. Members of the Indian Civil Service of 30 years' standing. | Engineers, first class, Accountants-General, Military and Public Works Departments, Director, Royal Indian Marine, and Manager, North-Western Railway. |
| 30. Advocate-General, Calcutta. | 35. Bishops (not territorial) under license from the Crown. |
| 31. Comptroller and Auditor-General. | 36. Archdeacons of Calcutta, Madras and Bombay. |
| 32. Commissioners of Divisions, the Superintendent of Port Blair, and Residents, Political Agents, and Superintendents drawing Rs. 2,000 a month and upwards (not being Collectors or Deputy Commissioners of British Districts), within their respective charges. | 37. Brigadiers-General. |
| 33. Chief Secretaries to Local Governments, other than those of Madras and Bombay. | 38. Commissioners of Divisions. |
| 34. (a) Surveyor-General of India, Directors-General of the Post Office, of Telegraphs in India and of Railways, Chief | 39. Commissioner of Northern India Salt Revenue, and Opium Agents, Benares and Bihar. |
| | 40. Secretaries and Joint Secretaries to Local Governments, and Private Secretary to the Viceroy. |

* This Warrant has not been as yet been superseded and is still in operation.

(a) Joint Secy. to Govt. of India, P. W. D.—(H. D. Notification, No. 1259, dated 15th June 1899).

(b) Directors of Railway Construction and Railway Traffic.—(H. D. Notification, No. 1259, dated 15th June 1899.)

SECOND CLASS.

- | | |
|---|--|
| 41. Members of the Indian Civil Service of 23 years' standing, and Colonels. | 49. Chief Engineers, second and third classes, Deputy Surveyor-General, Deputy Director-General of Telegraphs in India, and Director-in-Chief, Indo-European Telegraph Department. |
| 42. Military Secretary to the Viceroy. | 50. Divisional and District and Sessions Judges, Collectors and Magistrates of Districts, Deputy Commissioners of Districts, Deputy Superintendent of Port Blair, and the Chief Officer of each Presidency Municipality within their respective charges. |
| 43. Judicial Commissioners of the Hyderabad Assigned Districts and Baluchistan, the Superintendent of Port Blair, and Residents, Political Agents, and Superintendents drawing Rs. 2,000 a month and upwards (not being Collectors or Deputy Commissioners of British Districts). | 51. Archdeacons of Lahore, Lucknow and Rangoon. |
| 44. Inspector-General of Forests in India, and Director of the Geological Survey. | 52. Deputy Secretaries to the Government of India. |
| 45. Standing Counsel to the Government of India. | 53. The Senior Chaplains of the Church of Scotland in Bengal, Madras and Bombay. |
| 46. Directors of Public Instruction, and Inspectors-General of Police and Prisons under Local Governments, and Assistant-Generals. | 54. Remembrancers of Legal Affairs and Government Advocates under Local Governments. |
| 47. Survey Commissioner and Director of Land Records and Agriculture, Bombay; Commissioners of Settlements, and Controllers of Military Accounts. | 57. Officers in the First Class Graded List of Civil Offices not reserved for Members of the Indian Civil Service. |
| 48. Chief or Senior Civil Secretary to a Local Administration. | |

THIRD CLASS.

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| 56. Members of the Indian Civil Service of 18 years' standing, and Lieutenant-Colonels. | under local Administrations and Comptrollers and Deputy Auditors-General. |
| 57. The Deputy Director, Royal Indian Marine. | 68. Managers of State Railways other than the North-Western Railway, Chairman of the Port Trust, Bombay, and Chairman of the Port Trust, Calcutta. |
| 58. The Assistant Director, Royal Indian Marine. | 69. Vice-Chairman of the Port Trust, Calcutta, Directors of Traffic and Construction, Indian Telegraph Department, Examiners of Accounts, Public Works Department, first class, Officers of the Superior Revenue Establishment of State Railways, first class, first grade, Superintending Engineers, Public Works Department, first class, and Superintendents of the Survey of India Department, first grade. |
| 59. Commanders and Inspectors of Machinery, Royal Indian Marine. | 70. Inspectors-General of Registration and Directors of Land Records and Agriculture under Local Governments. |
| 60. Political Agents and Superintendents drawing less than Rs. 2,000 a month (not being Collectors or Deputy Commissioners of British Districts) within their own charges. | 71. Senior Chaplains other than those already specified. |
| 61. Secretaries to Local Administrations other than those already specified. | 72. Sheriffs within their own charges. |
| 62. Consulting Engineers to the Government of India for Railways. | 73. Officers in the Second Class Graded List of Civil Offices not reserved for Members of the Indian Civil Service. |
| 63. Private Secretaries to Governors. | |
| 64. Military Secretaries to Governors. | |
| 65. Administrators-General. | |
| 66. Sanitary Commissioners under Local Governments, Postmasters-General, the Comptroller, Post Office, and Conservators of Forests, first grade. | |
| 67. Directors of Public Instruction and Inspectors-General of Police and Prisons | |

FOURTH CLASS.

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|--|--|
| 74. Members of the Indian Civil Service of 12 years' standing, and Majors. | Sanitary Commissioners, and Directors of Land Records and Agriculture under local Administrations. |
| 75. Lieutenants of over eight years' standing, and Chief Engineers of the Royal Indian Marine. | 78. Officers in the Third Class Graded List of Civil Offices not reserved for Members of the Indian Civil Service. |
| 76. Government Solicitors. | |
| 77. Inspectors-General of Registration, | |

The entries in the above table apply exclusively to the persons entered therein, and while regulating their relative precedence with each other, do not apply to the non-official community resident in India, the Members of which shall take their place according to usage.

Officers in the above table will take precedence in order of the numbers of the entries. Those included in one number will take precedence *inter se* according to the date of entry into that number.

When an officer holds more than one position in the table, he will be entitled to the highest position accorded to him.

FIRST CLASS.

29. Members of the Indian Civil Service of 30 years' standing.
34. Chief Engineers, First Class.
35. Bishop (not territorial) under license from the Crown.
36. Archdeacon.
37. Brigadiers-General.
40. Secretaries and Joint-Secretaries to Government.

SECOND CLASS.

41. Members of the Indian Civil Service of twenty-three years' standing, and Colonels.
46. Director of Public Instruction, Inspector-General of Police, Inspector-General of Prisons, Accountant-General.
47. Commissioner of Settlement, Controller of Military Accounts.
49. Chief Engineers, Second and Third Classes.
50. District and Sessions Judges. Collectors and Magistrates of Districts. Within their respective charges.
- The President of the Madras Municipal Commission, within his charge.
53. Presy. Senior Chaplain of the Church of Scotland.
54. Government Advocate.
55. Officers in the First Class Graded List of Civil Officers not reserved for Members of the Indian Civil Service.
- Chief Judge of Presidency Court of Small Causes.
- Commissioner of Police.
- Superintendent of Revenue Survey.

THIRD CLASS.

56. Members of the Indian Civil Service of eighteen years' standing, and Lieutenant-Colonels.
59. Commanders, Royal Indian Marine.
63. Private Secretary to the Governor.
64. Military Secretary to the Governor.
65. Administrator-General.
66. Sanitary Commissioner.
67. Postmaster-General.
68. Conservators of Forests, First Grade.
69. Examiner of Accounts, Public Works Department, First Class.
- Officers of the Superior Revenue Establishment of State Railways, First Class, First Grade.
- Superintending Engineers, Public Works Department, First Class.
70. Inspectors-General of Registration, Director of Land Records and Agriculture.
71. Senior Chaplains.
72. Sheriff.
73. Officers in the Second Class Graded List of Civil Officers not reserved for Members of the Indian Civil Service.
- Chief Presidency Magistrate.
- Chief Superintendent of Telegraph Department.
- Collectors and Magistrates of Dis-

tricts outside their charges.
Conservators of Forests, Second and Third Grades.
Deputy Accountant-General.
Deputy Inspectors-General of Police, District and Sessions Judges outside their charges.

Examiner of Accounts, Public Works Dept., Second and Third Classes.
Government Astronomer.
Officers of the Indian Educational Service and of the Graded Educational Service drawing Rs. 1,250 a month and upwards.
Officers of the Superior Revenue Establishment of State Railways, First Class, Second and Third Grades.
Superintending Engineers, Public Works Department, Second and Third Classes.

FOURTH CLASS.

74. Members of the Indian Civil Service of twelve years' standing, and Majors.
75. Lieutenants of the Royal Indian Marine of over eight years' standing.
76. Government Solicitor.
78. Officers in the Third Class Graded List of Civil Officers not reserved for Members of the Indian Civil Service.
- Deputy Commissioners of Salt, Alkali and Customs Department.
- Deputy Conservators of Forests drawing Rs. 800 a month and upwards.
- Deputy Director of Land Records and Agriculture.
- Deputy Directors of Revenue Settlement.
- Deputy Superintendents of Revenue Survey.
- District Superintendents of Police, drawing Rs. 800 a month and upwards.
- Examiner of Accounts, Public Works Department, Fourth Class, First and Second Grades.
- Executive Engineers, Public Works Department, First and Second Grades.
- Judge of the City Civil Court.
- Judges of Presidency Court of Small Causes.
- Officers of the Indian Educational Service and of the Graded Educational Service drawing less than Rs. 1,250 a month but more than Rs. 1,000 a month.
- Officers of the Superior Revenue Establishment of State Railways, Second Class, First and Second Grades.
- Presidency Magistrates.
- Registrar to the High Court.
- Superintendent of the Govt. Central Indian Museum.
- Superintendent of Stamps and Stationery.
- Superintendents, Telegraph Department, First and Second Grades.

For Rules, see pages 187 and 189.

GOVERNMENT HOUSE
PRIVATE ENTREE LIST REVISED AND CORRECTED.

- Military Secretary's Office, Government House, Gravelly, 29th November 1899.*
1. The Hon. the Chief Justice.
 2. The Right Reverend the Bishop of Madras (with Domestic Chaplain in attendance).
 3. Members of Council.
 5. The Lieut.-General Commanding the Forces (with officers of Personal Staff in attendance).
 6. The Prince of Arrot.
 7. The Judges of the High Court.
 12. The Chief Secretary to Government.*
 13. The Surgeon-General with the Government of Madras.
 14. The Principal Medical Officer, Madras.
 15. Members of the Board of Revenue.*
 19. Official Members of the Legislative Council.
 39. Non-Official Members of the Legislative Council.
 39. Vice-Chancellor of the Madras University.
 40. The Ven. the Archdeacon of Madras.
 41. The General Officer Commanding the Madras District.
 41. The Deputy Adjutant-General, Madras Command.
 41. The Colonel on the Staff, Royal Artillery.
 44. The Secretaries and Joint Secretaries to Government.*
 44. The Assistant Adjutant-General, Madras Command.
 44. The Assistant Quartermaster-General, Madras Command.
 44. The Inspector-General of Ordnance, Madras Command.
 49. The Chief Engineer, Military Works Department, Madras Command.
 49. The Controller of Military Accounts, Madras Command.
 49. The Commissary-General, Madras Command.
 49. The Superintendent, Army Clothing.
 55. The Director of Public Instruction.*
 57. The Inspector-General of Police.
 58. The Inspector-General of Prisons.
 59. The Accountant-General.
 59. The Collectors of Madras and Chingleput.
 62. The President of the Madras Municipality.
 63. The Senior Chaplain of the Church of Scotland in the Presidency.
 64. The Commissioner of Police.
 64. The Deputy Judge Advocate-General, Madras Command.
 65. The Supt. of Revenue Survey.
 67. The Administrator-General.
 68. The Sanitary Commissioner.
 69. The Postmaster-General.
 70. The Conservator of Forests, Central Circle.
 71. The Inspector-General of Registration.*
 72. The Inspecting Veterinary Officer, Madras Command.
 73. The Sheriff of Madras.
 74. The Presidency Port Officer.
 75. The Officers of His Excellency the Governor's Body Guard.
- Non-Official Gentlemen.*
- A. The Most Rev. Archbishop Colgan.
- B 1. The Foreign Consuls at Madras.
- B 2. The Rajah of Venkatagiri.
- B 3. The Rajah of Kajahasi.
- B 4. The Rajah of Pittapur.
- B 5. The Rajah of Karvetnagar.
- B 6. The Hon. the Rajah of Bobbili.
- B 7. The Rajah of Ramnad.
- B 8. The Zamorin of Calicut.
- B 9. The Malayali Rajas of Malabar.
- B 10. The Rajah of Saurashtra.
- B 11. The Maharajah of Travancore.
- C. Rajah Sir S. Ramasami Mudaliyar, &c., &c.
- To the following Native Chiefs and Rajahs of the Presidency the privilege of the Entrée will be accorded when in Madras:—
- His Highness the Maharajah of Travancore.
- His Highness the Rajah of Cochin.
- His Highness the Rajah of Pudukkottai.
- The Nawab of Bangassapalle.
- The Rajah of Saurashtra.
- The Maharajah of Jeypore, Vizagapatam.
- The Entrée cards granted in accordance with this list give admission to the holder's carriage through the Chepauk gates of the Park to the Private Entrance (south door) of the Banqueting Hall on occasions of Levées, Balls and Exceptions.
- Cards must be shown to the Police on duty at the end of the avenue in the Chepauk Park and at the Mount Road end of the road to Government House.
- Officials entitled to the Private Entrée at Calcutta or Bombay are granted the privilege at Madras, when passing through, or on temporary duty at the Presidency.
- A copy of the list is furnished to the Commissioner of Police for guidance in the control of carriages on special occasions.
- NOTE.—Such gentlemen as have not received, or have lost their cards, are requested to apply to the Military Secretary.

(By order.)

Wm. CAMPBELL, Captain, Mil. Secy. to H. E. the Governor
*When they have no seat on the Legislative Council.

SALUTES.

The Imperial salute consists of 101 guns and is reserved for the personal presence of the Sovereign. The royal salute consists of 31 guns.

Whenever the Viceroy shall arrive at any place where there is a fort or battery from which salutes are fired, a royal salute shall be fired from such fort or battery, and similar salutes are to be fired upon his final departure and on such other occasions as may be directed.

When Governors or Lieutenant-Governors quit their Governments on leave of absence, they are entitled to the same salutes on their departure from, and on their return to, their Governments as on their first assuming them, or on final departure.

General Officers are only entitled to a salute of guns when exercising actual military command, or when deputed on military duty, and provided they are the senior officers on the spot.

The Inspector-General of Artillery is, however, entitled to the salute of his rank at all stations which he may visit in the performance of his inspection duties, whether he be senior or junior to the officer commanding the station. The same rule holds good in the case of the Inspector-General of Cavalry.

All subjects of the British Government, troops in the service of the British Crown, and troops and subjects of native chiefs in India are required to pay the same marks of respect to the Viceroy's flag when unfurled as are shown to the Royal flag.

The following is the table of salutes in India:—

Persons.	No. of Guns.	
Imperial Salute	101	From Saluting stations* within Indian territories and seas,† and on being fallen in with by or visiting any of His Majesty's ships within those limits.
The King and Emperor when present in person		
Royal Salute		The fixed days for firing Royal Salutes in Indian territories and seas are:— Birthday (as fixed annually by authority), 'Accession' and 'Coronation' of Sovereign.
Members of the Royal Family	31	Birthday of Consort of Sovereign. 1st of January of each year (Anniversary of the proclamation of His Majesty's assumption of the title of 'Emperor').
Royal Standard	31	When they fall on a Sunday, the salute will be fired on the following day.
Viceroy and Governor-General of India	21	When passing in a vessel. At any place within Indian territories where there is a Saluting station; and on visiting, embarking on, or disembarking from, any one of His Majesty's ships within Indian waters; and on being fallen in with by any of His Majesty's ships within Indian seas.
Independent Asiatic Sovereigns	21	
Other Foreign Sovereigns	21	
Members of their families and standards	21	
Ambassadors	19	At any place within Indian territories where there is a Saluting station; and on visiting, embarking on, or disembarking from, any one of His Majesty's ships within the Indian waters.
Governors of Presidencies	17	
The President of the Council of India ...	17	
Governor-General of Portuguese Settlements in India	17	At any place where there is a Saluting station within Indian territories and seas, and by His Majesty's ships within these limits.
Governor of Pondicherry	17	
Governors of His Majesty's Colonies ...	17	
Lieutenant-Governors of Provinces in India	15	See note (a) p. 143.

* By "Saluting stations," any place where guns suitable for saluting are mounted, or a Battery of Artillery is quartered, is to be understood.

† Indian territories are understood to include all the waters of India within three miles of the coast thereof. Indian seas to extend from the north-west entrance of the Straits of Malacca to Cape Comorin, excepting Ceylon, and from Cape Comorin to Aden, including the Maldiva and Laccadive Islands and the Persian Gulf.

Persons.	No. of Guns.	
Field Marshals or Admirals of the Fleet	17	See note (d).
Commander-in-Chief in India	...	According to Military rank, with two guns added.
Provisional Commander-in-Chief	...	Do. do.
Commanders-in-Chief of His Majesty's Naval Forces	...	According to Naval rank, with two guns added.
Generals and Admirals	15	See note (d).
Ordinary Members of the Council of the Governor-General	15	On occasions of official visits to any place within Indian territories where there is a Saluting station; and on visiting, embarking on, or disembarking from, any one of His Majesty's ships within Indian waters, on due notice being given. Such salutes need not be fired unless asked for.
Ordinary Members of the Councils of the Governors of Madras and Bombay ...	13	On occasions of official visits to any place where there is a Saluting station within their respective Presidencies; and on visiting, embarking on, or disembarking from, any of His Majesty's ships within the same limits, on due notice being given. Such salutes need not be fired unless asked for.
Plenipotentiaries and Envoys	15	See note (e).
Lieutenant-Governors of His Majesty's Colonies	15	See note (a).
Lieutenant-Generals Commanding the Forces, Punjab, Bengal, Madras, and Bombay	12	With two guns added within the limits of their own Commands. This number not to be exceeded in any case, even in that of an officer of the rank of full General. See note (b).
Lieutenant-Generals and Vice-Admirals ...	13	Within Indian territories and seas. See note (d).
Agents to the Viceroy and Governor-General	13	See note (a).
Residents	13	See note (a).
Chief Commissioners of Provinces and the Commissioner of Sindh	13	See note (a).
Major-Generals and Rear-Admirals	11	See note (d).
Political Agents and Chargés d'Affaires ...	11	See note (e).
Brigadier-Generals and Commodores of the First Class	9	See note (d).
Consuls-General	9	See note to Ambassadors.
The Portuguese Governor of Damaun ... }	9	At any place where there is a Saluting station, within the Indian territories and seas, and by His Majesty's ships within these limits.
The Governor of Diu	9	
Return Salutes to Foreign Men-of-War ...	...	Gun for gun, but only when such ships are saluting the National Flag on arrival.
Return Salutes to Captains of the Navy and Naval Officers of inferior rank ...	7	

(a) Lieutenant-Governors of Provinces in India, Agents to the Viceroy and Governor-General, Residents, Chief Commissioners of provinces, and the Commissioner of Sindh, shall be entitled to be saluted from the Saluting stations within their respective jurisdictions, and when on duty elsewhere in the territories under the authority of the Government of India, and when they shall visit, embark on board, or disembark from, any one of His Majesty's ships within the jurisdiction of their respective charges.

(b) Governors and Lieutenant-Governors of His Majesty's colonies, when on duty in India, are entitled to be saluted as laid down above.

(c) When Lieutenant-Governors of Provinces in India quit their Governments on leave of absence, they are entitled to the same salutes on their departure from, and on their return to, their Governments, as on their first assuming them, or on final departure.

(d) General and Flag Officers are only entitled to a salute of guns when exercising actual command or when deputed on duty, and provided they are the senior officers on the spot.

The Inspectors-General of Cavalry and Artillery are, however, entitled to the salute of their rank at all stations which they may visit in the performance of their inspection duties, whether they are senior or junior to the Officer Commanding the Station.

(c) Plenipotentiaries or Envoys, Political Agents and Charges d'Affaires, shall be entitled to be saluted from any place where there is a Saluting station within the precincts of the territories to which they are accredited, and when they shall visit, embark on board, or disembark from, any one of His Majesty's ships within the said precincts.

(f) Salutes are also to be fired on the occasion of officials, entitled to salutes, assuming and relinquishing Governments, Charges or Commands.

(g) Personal salutes are not returned.

(h) His Majesty's officers are not to expect from foreign ships of war in Indian waters, any departure from the established custom under which no salute exceeds 21 guns.

(i) When arranging salutes for foreign officials, or on the occasion of foreign anniversaries, festivals and ceremonies, the instructions contained in King's Regulations, Section III, should be carefully studied.

(j) All personal salutes are to be fired on the arrival and departure of the functionaries entitled to receive them.

The following is the table of salutes allowable to the Native Chiefs and Nobles of India, and certain Chiefs near Aden:—

Salutes of 21 guns.	
Baroda. The Maharaja (Gaekwar) of—	Kuch Behar. The Maharaja of—
Hyderabad. The Nizam of—	Rampur. The Nawab of—
Mysore. The Maharaja of—	Tippura. The Rajah of—

Salutes of 19 guns.	
Bhopal. The Begum (or Nawab) of—	Ajmer. The Maharaja of—
Gwalior. The Maharaja (Scindia) of—	Bacni. The Nawab of—
Indore. The Maharaja (Holkar) of—	Bhainsagar. The Thakur Sahib of—
Jammu and Kashmir. The Maharaja of—	Bijwar. The Maharaja of—
Kalut. The Khan of—	Casimur. The Nawab of—
Kolhapur. The Raja of—	Chamba. The Raja of—
Mewar (Udaipur). The Maharaja of—	Charkhari. The Maharaja of—
Travancore. The Maharaja of—	Chhatrapur. The Rajah of—

Salutes of 17 guns.	
Bahawalpur. The Nawab of—	Derangadra. The Raja Sahib of—
Bharatpur. The Maharaja of—	Faridkot. The Raja of—
Bikanir. The Maharaja of—	Gondal. The Thakur Sahib of—
Bundi. The Maharaja Raja of—	Jambun. The Raja of—
Cochin. The Raja of—	Jindawar. The Raj Rana of—
Jaipur. The Maharaja of—	Jind. The Raja of—
Karauli. The Maharaja of—	Junagarh. The Nawab of—
Kota. The Maharaja of—	Rahim (Bilaspur). The Raja of—
Kutch. The Rao of—	Kapurchala. The Raja of—
Marwar (Jodhpur). The Maharaja of—	Mandi. The Raja of—
Patiala. The Maharaja of—	Manipur. The Raja of—
Rewari. The Maharaja of—	Morvi. The Thakur Sahib of—
Tonk. The Nawab of—	Nabha. The Raja of—

Salutes of 15 guns.	
Ahwar. The Maharaja of—	Narsinghar. The Raja of—
Banswara. The Maharawal of—	Navanagar. The Jam of—
Datia. The Maharaja of—	Palanpur. The Diwan of—
Dewas. (The Senior Branch) The Raja of—	Panna. The Maharaja of—
Dewas. (The Junior Branch) The Raja of—	Porbandar. The Rana of—
Dhar. The Rajah of—	Podukota. The Raja of—
Dholpur. The Maharaj Rana of—	Rachapur. The Nawab of—
Dungarpur. The Maharawal of—	Rajgarh. The Raja of—
Idar. The Maharaja of—	Rajppla. The Raja of—
Jaisalmer. The Maharawal of—	Ratlam. The Raja of—
Kanarpur. The Mir of—	Sailana. The Raja of—
Kishangarh. The Maharaja of—	Santhar. The Raja of—
Oreha. The Maharaja of—	Sirmur (Nahani). The Raja of—
Parbhargarh. The Maharawal of—	Sitapura. The Raja of—
Sikim. The Maharaja of—	Suket. The Raja of—
Sirohi. The Maharaja of—	Tehri (Garhwal). The Raja of—

Salutes of 13 guns.	
Bennares. The Rajah of—	Salutes of 9 guns.
Jaora. The Nawab of—	Alirajpur. The Rana of—

* The present Chief of Santhar enjoys the personal title of *Maharaja*.

† The present Chiefs of Dhar, Tippers and Chhatrapur and the present Raja of Benares enjoy the title of *Maharaja* as a personal distinction.

Dharapur. The Raja of—	Maler Kotla. The Nawab of—
Dharol. The Thakur Sahib of—	Nagod. The Raja of—
Faizli. The Sultan of—	Palitana. The Thakur Sahib of—
Janjira. The Nawab (Habsli) of—	Rajkot. The Thakur Sahib of—
Karond (Kalahandi). The Raja of—	Sachin. The Nawab of—
Khilchipur. The Rao of—	Sawantwari. The Sir Desai of—
Lahel. The Sultan of—	Sambh. The Raja of—
Lunri. The Thakur Sahib of—	Wadhwan. The Thakur Sahib of—
Lunawara. The Raja of—	Wankaner. The Raja Sahib of—
Malhar. The Raja of—	

TABLE OF PERSONAL SALUTES.

Salute of 21 guns.	
Jaipur. His Highness Sawai Sir Mahto Singh Bahadur, C.C.S.I., C.C.I.E., Maharaja of—	
Mewar (Udaipur). His Highness Sir Fateh Singh Bahadur, C.C.I.E., Maharaja of—	
Travancore. His Highness Sir Raja Rama Varma, C.C.I.E., Maharaja of—	

Salutes of 19 guns.	
Mysore. Her Highness Maharani Kumparanjamma Vaniyalas Santhidamma, C.I., Regent of—	

Salute of 17 guns.	
Oreha. His Highness Mahindar Sawai Sir Partab Singh Bahadur, C.C.I.E., Maharaja of—	

Salute of 15 guns.	
Nabha. His Highness Sir Hira Singh Bahadur, C.C.S.I., Raja of—	

Salute of 12 guns.	
Shir and Moksala. His Highness Awadh bin Omar Alkayati, Jemadar of—	

Salute of 11 guns.	
Maler Kotla. His Highness Muhammad Ibrahim Ali Khan Bahadur, Nawab of—	

Salute of 9 guns.	
Kishen and Sekotra. Ali bin Abdulla, Sultan of—	

TABLE OF LOCAL SALUTES.

Salute of 21 guns.	
Bhopal. The Begum (or Nawab) of—	Within the limits of their own territories permanently.
Gwalior. The Maharaja (Scindia) of—	
Indore. The Maharaja (Holkar) of—	
Jammu and Kashmir. The Maharaja of—	

The Governor-General of India in Council has power, in cases in which he may deem it expedient to authorize salutes, and to issue local regulations for the guidance of the authorities in Indian limits, with respect to salutes for Civil or Military officers holding positions or Commands not mentioned in page 143.

Salutes will be fired between sunrise and sunset, but not between the hours of 8 o'clock a.m. and 5 p.m., at stations in the plains from 15th April to 15th October, unless specially ordered.

Salutes will not be fired on Sundays. Should an officer who is entitled to a salute on this day desire to have it, it will be fired on the following day; in the case of Native Chiefs entitled to salutes entering a station on Sunday, the above order will be explained to them, and the salutes fired on the following day.

The above rule is on no account to interfere with the compliments paid to the Flags of Foreign Powers, when they may enter the Ports of British India on Sunday. The salutes of Foreign Powers will be immediately returned by the shore batteries, gun for gun.

FLAG STATIONS.

The "National Flag" (Union Jack) is to be hoisted daily at the headquarters of all commands and districts, and in all arsenals, but in no works of defence, except the forts for which permanent fixed flagstaffs are authorised (vide paragraph 196 of the Bengal Barrack Regulations and section 4, paragraph 8, of the Bombay Barrack Regulations).

The "Royal Standard" is to be hoisted on Royal anniversaries and State occasions at Aden, and the Presidency towns of Calcutta, Madras and Bombay.

The National Flag is not to be struck, or replaced, in doing honour to the Representative of a Foreign Power.

* During the minority of her son, the Maharaja of Mysore, and in her capacity of Regent.

PART III.—CIVIL.

THE MADRAS PRESIDENCY.

THE territory included within the Presidency of Fort St. George, or the Madras Presidency, is the southernmost of the Indian provinces. The coast line extends on the east of the peninsula from Orissa in Bengal to Cape Comorin. On the west the narrow strip of country formed by the Native States of Travancore and Cochin gives the coast line from Cape Comorin as far as the town of Cochin. After that Madras territory again forms the coast line until the Bombay Presidency is reached at the northern extremity of the South Canara district. In the centre of the peninsula thus enclosed are the Nagpore country and Berar, the territories of the Nizam known generally as the Deccan, and the province of Mysore; but all the country south and east of Mysore belongs to the Madras Presidency.

The Presidency occupies an area of 139,698 square miles; but within this is included 1,333 square miles belonging to the Pudukottah territory, which is situated in the middle of one of the revenue districts.

The Presidency has a coast line of about 1,700 miles, and consequently a large area of country but little elevated above the level of the sea. Mountain ranges run northward from Cape Comorin along the Western Coast, attaining an elevation in some parts of from 4,000 to nearly 9,000 feet. Ranges of hills follow also the general line of the East Coast; but these, as a rule, are of lower elevation than the Western Ghats. The drainage of the peninsula is for the most part from west to east into the Bay of Bengal, the area of country drained by rivers running westward being only the narrow strip of territory between the Western Ghats and the sea. As a rule the country slopes gradually from the eastern base of the western mountain chain down to the Coromandel Coast, while the fall is sudden and precipitous on the western side of the mountains. The centre of the peninsula consists generally of undulating table-lands from 1,000 to 3,900 feet above the level of the sea.

The peculiar physical geography of the peninsula of India, with a huge mountain chain running from north to south along its western boundary, is of importance in regard to climate and the productions of the various districts. These hills have the effect of arresting the lower strata of rain clouds brought up from the Indian Ocean by the periodical winds of the south-west monsoon, and of causing excessive rain precipitation on the narrow strip of coast line on the western side of the peninsula. Where the mountain range is of great height, as between Malabar and Coimbatore, the rain clouds are almost entirely diverted from the districts immediately below the mountains on the eastern side, and while the annual rainfall on the western side may be 150 inches, not more than 20 inches will be registered on the eastern side, immediately within the influence of the mountain ranges. Where the mountain chain is of lower elevation, the rain clouds pass over the hills, and rain is precipitated in uncertain and varying amount over the peninsula to the east of the Western Ghats; but, except in the northern districts, where the rainy season approximates to that of Bengal, the heaviest rainfall of the southern portion of the eastern division of the peninsula occurs during the period of the north-east monsoon. During the continuance of this monsoon, the western ranges of mountains have a similar effect in arresting the rain clouds, so that at the season of the year when the Carnatic is deluged by heavy rain, the Western Coast districts enjoy fine clear weather.

To the physical barrier of the Western Ghats must be attributed, not only the vast differences of climate, but also those in the nature of the productions, in the eastern and western divisions of the peninsula. In the former the uncertainty and capricious character of the rainfall has taught the cultivators of the soil the necessity of making provision for the storage of water for irrigation purposes, and the existence of innumerable tanks or reservoirs, scattered all over the country, testify to the fact that, from periods of the remotest antiquity, the inhabitants of the tracts of country which receive an irregular rainfall, have exercised great ingenuity and readiness of resource in the construction of public works for the artificial irrigation of the soil. On the western side of the mountains, however, the necessity for such works has never arisen. There the periodical rains fall with great regularity as to time and quantity, and the earth yields her fruits so abundantly that, although in certain exceptional years there may be partial failures of crops, absolute famine, as a result of bad seasons, is unknown. Only 8 of the 21 districts, of which the Madras Presidency is composed lie within the influence of the never-failing rains of the south-west monsoon. In the remaining 13 districts nature demands the assistance of art in the collection, storage, and distribution of the condensed moisture of the heavens, in some of these 13 districts, however, as in the northern coast area, the periodic rains fall more regularly than in others, while in several of them the rivers running eastward, swelled by the south-west monsoon rains, are utilized in the fertilization of districts in which the natural moisture is defective.

The chief staples of the Presidency are rice, cholam (a kind of maize), cumboo (a kind of millet), ragi, and varagu amongst food-grains; gingelly amongst oil-seeds; and

oilseeds, tobacco, sugar-cane, plantains, and betel leaf amongst garden crops. Cotton, as a special crop, has a cultivation almost equaling that of rice. The trees most grown for their fruits are cocoanuts, areca-nut, jack, tamarind, and mango. Rice, as might be expected, is produced in the largest quantities in the alluvial and highly-irrigated districts of Tanjore, Godavari, and Kistna on the East Coast, and in Malabar and Canara on the West Coast, where the rainfall is so abundant as to render irrigation by artificial means almost unnecessary. Cholam is most abundant in the table-land districts of Bellary and Kurnool, while cumboo and ragi are most extensively grown in the other inland, but less elevated, districts, such as Salem and Coimbatore. Cocoanut palms flourish most luxuriantly on the banks of the estuaries and backwaters or salt-water lagoons of the western districts of Malabar and Canara, and areca-nut palms in the valleys intersecting the lower slopes of the Western Ghats.

Within the Madras Presidency there are six well-defined linguistic boundaries. In the northernmost district of Ganjam is included a portion of the Odia-speaking population. The Telugu language is commonly spoken by the people of the Northern Circars, and in a portion of the Nizam's country, Kurnool, Cuddapah, part of North Arcot, Nellore, and some parts of Bellary. Tamil is the common language of the districts from a few miles north of Madras to the extreme south of the eastern division of the peninsula. Malayalam is the language of the Native States of Travancore, Cochin, and the Malabar district. Tulu is spoken in a limited portion of the South Canara district; and Canarese in certain portions of the Bellary, Coimbatore, Salem, and South Canara districts. Besides these six Dravidian languages, the hill tribes of certain districts have dialects of their own, also of a Dravidian type. From time to time colonies of Telugu and Canarese-speaking people have found their way down to the southern or Tamil country. In some cases they have been invited to settle as cultivators in localities where waste lands were available. In others they followed probably in the train of invading armies. In the same way people from the Mahabha country have settled in the south, and in all the large towns there are colonies of silk-weavers from Gujerat, who speak a language of their own. Along the border lines of the prevailing languages two or more languages are indifferently spoken by the people. There is no instance of the Tamil people pushing their colonies up towards the north. The migrations appear to have been always from north to south. In the large military cantonments of Secunderabad and Bangalore there are Tamil-speaking populations, but these people have settled as camp-followers.

The first attempt at the formation of an English Settlement in the Madras Presidency was in conjunction with the Dutch at Pulicat early in the seventeenth century, or about one hundred years after the establishment of the Mahomedan kingdoms of Bijapore and Golconda. Compelled to desist from this attempt, the English formed a trading settlement at Masulipatam in 1620, and shortly afterwards at Armogam, about forty miles north of Pulicat; and in 1638, after permission had been obtained from the Hindu Rajah of Chandragherry, the first English fortress on the Eastern Coast of India was erected at Madras. In 1681 Fort St. David was built at Tadambram, near Cuddalore, on a site purchased from a petty native prince.

Until the end of the first half of the following century the English carried on their trading operations tolerably unmolested in the midst of the continual wars between the Muslin and Mahatta conquerors of the old Southern Hindu powers; the only event really affecting the future career of the settlements being the acquisition by the French of the village of Pondicherry, which they purchased in 1673 from the King of Bijapore shortly before his dynasty was overthrown by Aurungzebe. In 1744 war broke out between the French and English, and Fort St. George fell—only to be restored again, however, at the peace of Aix-la-Chapelle in 1749. The European war being thus ended, the forces of the two powers found both occupation and profit in the various wars between the native princes, and it usually happened that their sympathies or their interests were enlisted on opposite sides. Nearly the whole of Southern India was then subject to the Nizam of Hyderabad, the country in the neighbourhood of Madras being under the immediate rule of a tributary prince, called the Nabob of the Carnatic, while the Mahattas still held supreme power in Tanjore and the adjacent country.

The Madras Presidency, according to existing boundary divisions, is made up of 22 districts, namely:—Northern including Ganjam, Vizagapatam, Godavari, Kistna; East Central including Nellore, Madras, Chingleput, North Arcot, South Arcot; Ceded Districts including Kurnool, Bellary, Cuddapah, Anantapur; West Central including Salem, Coimbatore, Nilgiris; Southern including Tanjore, Trichinopoly, Madurai, Tinnevely; and West Coast including South Canara and Malabar.

The first four districts are known as the "Northern Circars." Prior to 1859-60 these Circars consisted of five districts, but in that year the three districts of Rajahmundry, Masulipatam, and Guntur were divided to form the present Godavari and Kistna Districts. The northern districts were formerly under the Nizam's Government, and in that time the divisions were as follows: Guntur, Cuddapah, Ellore, Rajahmundry, and Chiesole. They came finally into British possession in the year 1823, by the payment to the Nizam Government of Rs. 11,00,000 in lieu of an annual tribute. When these districts fell into the hands of the East India Company, they consisted chiefly of large estates held by renters or zemindars; of lands called "Havelly," which were the old domains, or private estates, of former rulers; and of tracts near the principal towns which had been resumed by the Mahomedan Governors of the districts, and appropriated for the support of

their numerous bands of soldiers and public establishments. For some years prior to 1855-56 these Northern Circars were under the charge of a separate Commissioner, but each district had then also its own revenue and judicial establishments. The appointment of Commissioner of the Northern Circars was abolished in June 1856.

The part of the Presidency usually known as the Carnatic appears to have been originally formed of three divisions, namely, Northern, extending from the river Pennar to the river Gundacana, and consisting of a portion of the Nellore District; Central, extending from the Coleroon to the Pennar river, and containing a portion of Trichinopoly, Chingleput, North Arcot, South Arcot, Madras, and Nellore districts; and Southern, consisting of a portion of the Trichinopoly and the whole of Tanjore, Tinnevely, and Madurai districts. These districts came into the possession of the British between the years 1759 and 1801.

In the year 1539-40 the two districts of Madras Town and Chingleput were amalgamated into a single district, the collection of Sea Customs revenue being separately provided for. In the year 1870 the Chingleput district was again divided as before, leaving the administration of the Madras Town district in the hands of the Sea Customs Collector. The Chingleput district was obtained from the Nabob of Arcot in 1763 in return for services rendered to him and his father by the Company. The grant was confirmed by the Great Mogul in 1765, and for a long time the district was known as the "Jaghire" of the East India Company. The site of the Town of Madras was obtained in the year 1639, by a grant from the descendants of the Vijayanagar rulers, subsequently confirmed by the Mogul Government.

The districts of Bellary and Cuddapah were ceded to the English by the Nizam in the year 1800 for the maintenance, in perpetuity, of a body of troops known as the Hyderabad Subsidiary Force, and as payment for troops furnished during the Mysore wars. The territories so made over are still known as the Ceded Districts.

In 1800 the rights of sovereignty exercised by the Nizam over the Kurnool country as Suzerain of the Deccan became vested in the East India Company. The Nizam, in the treaty of partition, gave over to the British all his possessions south of the Poombudra and Kistna rivers below their junction. At this time the ruler of the Kurnool country paid a yearly tribute of one lakh of rupees to the Nizam. In 1839 the Kurnool district, through the rebellion of the then ruler of the country, was placed under British administration.

The districts of Salem and Coimbatore came into British possession, the former in 1792 by the treaty of Seringapatam, and the latter in 1793 after the final defeat of Tippee and the partition of his territory between the British, the Nizam, and the legitimate successor to the Mysore Government, the Maharajah of Mysore.

The Nilgiri Hills, formerly a taluk of the Coimbatore District, was constituted a separate district under Act I of 1838.

The two districts of Malabar and Canara, on the western side of the Ghats, fell into the possession of the British in 1793 and 1799, respectively. Canara was in 1830 divided into North and South Canara for administrative purposes, and in 1860 North Canara was transferred, for convenience of administration, from the Madras to the Bombay Presidency. The taluk of Kandapur, which formerly belonged to North Canara, is now attached to South Canara.

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 " H. M. Smith. Asst. Examiner, Pay Branch.
 Sub-Conductor W. W. Laskey. Do. Commissariat Branch.
 Mr. A. E. O'Brien. Do. Superintendent, Clothing Branch.
 " C. Ramalinga Naicker. Do. Accounts Branch.
 " H. E. W. O'Brien. Do. Central Branch.
 Staff Sergeant T. Rice, Madras Unattached List. Do. Supply and Transport Branch.

MILITARY WORKS SERVICES. MADRAS COMMAND.

Head-Quarters—Ootacamund.

Col. H. H. Hart, R.E. Chief Engineer.
Mr. B. Myers Manager.

MADRAS DISTRICT.

Lt.-Col. H. S. Andrews Speed, R.E. Commanding Royal Engineers, Madras.
Captain A. F. Cumberlege, R.E. Garrison Engineer, Rangoon.
Lieut. E. W. C. Sandes, R.E. Do. Wellington.
W. D. B. Conran, R.E. Do. Madras.
Sub.-Condr. S. Cocksedge. Supervisor Rangoon.
" R. Digby. Do. do.
Sergt. F. W. Slade, R.E. Overseer, Wellington.
" M. Woodward. Do. St. Thomas' Mount.
" A. O. Clapton. Do. Fort, Madras.
Corpl. G. T. Perks. Do. Rangoon. (on leave).
Mr. E. B. James. Accountant, Madras.
" A. A. Buckley. Head Clerk, do.

BARRACK BRANCH.

Hon. Lieut. G. Drew. Barrack Master, Madras.
Condr. A. Martinant. Do. Sergeant, Wellington.
" G. Pendleton. Do. do. St. Thomas' Mount.
Hon. Lieut. G. Horlick. Do. Master, Madras.

OFFICE OF THE INSPECTOR-GENERAL OF SUPPLY AND TRANSPORT, MADRAS COMMAND.

Ootacamund.

Lt.-Col. A. H. Clark-Kennedy, I.S.C. Inspector-General.
" H. L. Hutchins, I.S.C. Dy. do.
Major F. C. W. Rideout, I.S.C. Inspector of Supply and Transport.
Mr. W. T. Lissenburg. Chief Clerk.
Mr. E. Nicholas. First Assistant.

CHIEF SUPPLY AND TRANSPORT OFFICE, MADRAS DISTRICT.

Fort St. George.

Captain L. W. Fox. Chief Supply and Transport Officer.
M.R. Ry. T. N. Krishnasawmi Naidu. Head Clerk.

OFFICE OF STOREKEEPER-GENERAL, SUPPLY AND TRANSPORT.

Second Line Beach, Madras.

Capain H. M. M. Brooke. Storekeeper-General.
C. Jayaram Moodr. Head Clerk.

OFFICE OF THE SUPERINTENDENT, GOVERNMENT RAILWAY POLICE.

Haddow's Road, Nungambakum.

F. Fawcett, Esq. Superintendent.
M.R. Ry. T. K. Krishnasami Pillai. Manager.

ORDNANCE DEPARTMENT.

Office of Insp. Genl. of Ordnance, Southern Circle—Poona—10.30 A.M. to 4.30 P.M.

Col. E. B. Standbridge. Inspector-General of Ordnance, Southern Circle.
Lt.-Col. F. T. T. Fowie, R.A. Dy. do. do. do.
Capt. W. L. J. Carey, R.A. Asst. do. do. do.
Lieut. B. E. Smith. Chief Clerk. do. do.
Conductor W. Billing. Chief Clerk (Sapp.). do. do.
" J. Quinn. 1st Class Clerk. do. do.
" A. Blackwood. 2nd do. do. do.
Sub-Conductor J. McManus. 2nd do. do. do.

ARSENAL.

Fort Saint George—10 A.M. to 4 P.M.

Major J. D. H. Waller, R.A. Ordnance Officer, in charge.
Captain C. C. Denovan, R.A. Offg. do. 3rd class.
" W. B. Spaulding, R.A. Do. do. 4th do.
" W. H. Smith. Dy. Commissary.
Lieut. A. Cheverton. Dy. Asst. Commissary.
" R. Walmsley. Do.
Conductor J. Duggan. Head Clerk.
Mr. G. W. Squires. Civil Chief Master-Armourer.
" B. Agar. do.

ORDNANCE DEPARTMENT—contd.

GUN CARRIAGE FACTORY.

Naval Hospital Road, Vepery—8 A.M. to 4 P.M.

Major C. C. Townsend, R.A. Superintendent. (In England.)
Capt. J. H. Lawrence Archer, R.A. Asst. do.
Lieut. F. Richards, Dy. Asst. Commissary Head Overseer.
Mr. W. G. Kirkman. Overseer of Smiths.
" J. C. Jones. Foreman of Turners and Erectors.
" H. McGavin. Leading Hand, Engineer Branch.
Syed Mortooza Sahib. 2nd Class Clerk, (Head Clerk).
HARNESSE AND SADDLERY WORKSHOPS—Vayalarpandy, Perambur.
Capt. H. P. Vandersee, R.A. Ordnance Officer, in charge of the Workshops.
Lieut. F. Taylor. Depy. Assistant Commissary.
V. A. Balasundara Mudaliar. Head Clerk.

PAYMASTER OF CARNATIC STIPENDS

Office—Chapauk—11 A.M. to 4 P.M.

Major R. F. B. Formby, I.S.C. Paymaster, Carnatic Stipends.
Muhammad Muin-ud-din Sahib Jaddi. Manager.

POSTAL DEPARTMENT

POSTMASTER-GENERAL'S OFFICE.

Beach—10.30 A.M. to 5 P.M.

A. T. Forbes, Esq., I.C.S. Postmaster-General, (on leave).
G. Barton Groves, Esq. Offg. do.
G. R. Peter, Esq. 1st Personal Asst. to the Postmaster-General.
T. S. Carroll, Esq. 2nd do. do.
Sudhar Hussain, Esq., B.A. 3rd do. do.
E. J. Palmer, Esq. Superintendent, Postmaster-General's Office.
M.R. Ry. T. R. Dorasamy Pillai. Clerk, do.
" V. Subramania Iyer. Do. do.

PRESIDENCY POSTMASTER'S OFFICE.

Beach—10 A.M. to 5 P.M.

M. E. Monks, Esq. Presidency Postmaster, (on leave).
T. D. Dinwiddie, Esq. Offg. do.
C. G. D'Eantoe, Esq. Depy. do.
M.R. Ry. V. Narayanaswamy Moodaliar. Assistant Postmaster.

PRESIDENCY MAGISTRATES' COURTS.

Jan Meredith, Esq. Chief Presidency Magistrate, Egmore Court.
(On furlough for 6 months from September, 1902).
W. E. Clarke, Esq. Ag. Chief Magistrate during the above period.
Sultan Mohi-ud-din Sahib. 2nd Magistrate, Town Court.
Charles Gahan, Esq., B.A. 3rd do. do.
P. Rajahruthum Mudaliar, Esq., B.A. 4th do. Egmore Court.

PRESIDENCY PORT OFFICE.

Office—Old High Court Buildings, Beach—10.30 A.M. to 5 P.M.

Commander T. G. E. Finny, R.I.M. Presidency Port Officer, Registrar of Shipping and Marine Transport Officer.
T. H. Baker, Esq. Agent for Govt. Consignments, Govt. Surveyor, Personal Assistant to the Presidency Port Officer, and Registrar of Shipping.
H. J. Boas, Esq. Reserve Port Officer.
Mr. F. E. James. Manager.
" M. Srinivasa Mudaliar. Chief Clerk and Accountant.

OFFICE OF THE DEPUTY CONSERVATOR OF THE PORT.

Office—Old High Court Buildings, Beach—10 A.M. to 5 P.M.

Commander C. W. R. Hooper, R.I.M. Deputy Port Conservator and Deputy Shipping Master.
HARBOUR MASTERS.
Mr. N. Corfield. Senior Harbour Master—(On furlough).
" Torrens-Griffin. Ag. do.
" E. C. Taylor. Harbour Master.
" G. A. Evans. Do.

PRIMARY EXAMINATION BOARD, MADRAS DISTRICT.

Vepery.
Chairman.

1. S. P. D'Sylva, Esq., B.A., Head Master, Bishop Corrie's Grammar School, Madras.
2. The Assistant Inspector of Schools, Presidency Division.
3. The Sub-Assistant Inspector of Boys' Schools, Madras Range.
4. Do. do. Girls' do. do.
5. Do. do. Muhammadan Schools, Madras Range.

Other Members.

6. Miss S. A. Hart, Assistant Mistress, Bishop Gill's Girls' School, Madras.
7. Mr. Geo. A. Hart-Hankins, Asst. Master, Bishop Corrie's Grammar School, Madras.
8. Abdur Rahman Sahib, Head Master, Muhammadan Branch Training School, Madras.
9. M.R. Ry. M. Devasikhamani Mucali, Headmaster, Tondaimandalam T. V. High School, Madras.
10. " C. Gopal Rau Avargal, B.A., Headmaster, Pachaiyappa's College, Madras.
11. " T. V. Chellappa Sastriar, B.A., L.T., Assistant, Church of Scotland Mission College, Madras.
12. " P. K. Sundaram Aiyar, B.A., Supervisor of Primary School, Black Town Range.
13. Mir Tahir Ali Sahib, Hindustani Munshi, Govt. Madrasa-i-Azam.

PRINCIPAL MEDICAL OFFICER, MADRAS COMMAND.

Office—Ootacamund—10 A.M. to 5 P.M.

- Surg. Genl. G. W. R. Hay, M.D., I.M.S., Principal Medical Officer.
 Lt.-Col. O. E. P. Lloyd, V.C., Staff Officer, Army Bearer Corps, Madras Division.
 Capt. A. E. Milner, R.A.M.O., Personal Assistant.
 Condr. W. H. Holton, Head Clerk.

PRINCIPAL MEDICAL OFFICER, MADRAS DISTRICT.

Office—Fort Saint George.

- Col. W. E. Johnson, I.M.S., Principal Medical Officer, Madras District.
 Sergeant W. R. Barham, Manager.

PRIVATE SECRETARY TO H. E. THE GOVERNOR.

Office—Government House.

- L. M. Wynch, Esq., I.C.S., Private Secretary.
 J. D. Gordon, Esq., Manager.

PUBLIC WORKS STORES AND WORKSHOPS.

49, Old Petty Court Street, Washermanpet—7-30 A.M. to 4-30 P.M.

Office—11 A.M. to 5 P.M.

- G. S. T. Harris, Esq., General Supt. P. W. Stores and Workshops—
 (On furlie.).
 F. W. Ashpitel, Esq., Offg. do.
 Mr. M. Brown, Asst. do.
 Mr. J. G. Baskett, General Foreman, P. W. Workshops.
 Mr. C. J. W. Plummer, Supervisor, 2nd Grade.
 M.R. Ry. C. Veeraragavaloo Naidu, Chief Storekeeper, P. W. Stores.
 Mr. D. E. Jeremiah, Accountant, P. W. Workshops.
 " H. F. Humphreys, Do. P. W. Stores.
 M.R. Ry. G. Krishniah, Head Clerk and Cashier, P. W. Workshops.
 " P. Singaravallu Mudaliyar, Storekeeper, P. W. Workshops, and Bill Maker.

QUIT-RENT AND INCOME-TAX, &c., DEPARTMENTS.

Office—Southern Wing of the Stamp Office, North Beach.

- The Hon'ble Mr. J. N. Atkinson, I.C.S., Collector and Commissioner of Income Tax, Madras—(On other duty in the Board of Revenue).
 J. Twigg, Esq., I.C.S., Offg. do.
 M.R. Ry. V. A. Ramaswami Aiyar, Sheristadar, Collector's Office, Madras.
 " C. Venkatarama Aiyar, Head Accountant, do.

Office—Old High Court Buildings, North Beach.

- J. R. Coombes, Esq., B.A., Deputy Collector, Madras Town, and Collector of Income Tax.
 M.R. Ry. D. Venkatavarathiah, Tahsildar of Madras.
 " S. Govindaraja Aiyangar, B.A., Manager, —In charge of the Income Tax Dept.
 " C. Subroya Mudaliar, Registrar, —In charge of the Dept. for registry of holdings in Madras.
 " N. Vaithinadha Aiyar, Taluk Head Accountant.

SANITARY COMMISSIONER'S OFFICE.

Office—Stowe Hall, Poonamallee Road—11 A.M. to 5 P.M.

- Lt.-Col. W. G. King, M.B., C.M., D.P.H., C.I.E., I.M.S., Sanitary Commissioner for Madras.
 Major A. E. Grant, I.M.S., Inspector of Vaccination and Depy. Sanitary Commissioner—(On furlie.).
 Captain J. W. Cornwall, I.M.S., Ag. do. do.
 M.R. Ry. S. Balasundram Mudaliar, B.A., Manager and Assistant—(On furlie.).
 " V. Jamarudhaya Naicker, Ag. do. do.

SANITARY ENGINEER TO GOVERNMENT.

Office—Stowe Hall, Poonamallee Road.

- J. A. Jones, Esq., M.B., I.M.S., C.E., F.R.S.E., Sanitary Engineer to Government.
 Hormuji Nawroji, Esq., B.C.E., L.M.C.E., Asst. do. do.
 M.R. Ry. V. Devasikhamany Pillai, B.C.E., M.B., M.M.S., Office Assistant.
 " M. Rama Row Naidu, Manager.

SEA CUSTOMS.

Office—North Beach—10 A.M. to 4 P.M.

- The Hon'ble Mr. J. N. Atkinson, I.C.S., Collector of Sea Customs—(On other duty).
 J. Twigg, Esq., I.C.S., Ag. do. do.
 J. W. Simpson, Esq., Depy. do. do.
 R. M. Thurley, Esq., Superintendent of Statistics.
 T. A. Poddeshant, Esq., Head Appraiser.
 J. H. Graves, Esq., 2nd Appraiser.

SECRETARIAT.

Cornwallis Square, Fort—11 A.M. to 5 P.M.

- The Hon'ble Mr. G. Stokes, B.A., I.C.S., Chief Secretary. (Other duty.)
 A. R. Knapp, Esq., I.C.S., Under Secretary to Government—(On other duty).
 A. Y. G. Campbell, Esq., I.C.S., do. do. (Acting).
 A. T. Pringle, Esq., Asst. Secy. to Government.
 C. M. Schmidt, Esq., Chief Assistant.
 C. S. Simpson, Esq., 2nd Assistant.

REVENUE SECRETARIAT.

- The Hon'ble Mr. G. S. Forbes, M.A., I.C.S., Secretary to Government. (Other duty.)
 N. E. Marjoribanks, Esq., I.C.S., Under Secretary to Government—(On other duty).
 A. Y. G. Campbell, Esq., I.C.S., Ag. do. do.
 V. K. Ramanuja Chariar, B.A., 1st Assistant—(On other duty).
 V. A. Anantarama Aiyar, B.A., do. do.
 R. Swaminatha Aiyar, B.A., 2nd do. —(On leave).
 T. N. Sivagunabam Pillai, B.A., Ag. do.

LOCAL AND MUNICIPAL, EDUCATIONAL AND LEGISLATIVE SECRETARIAT.

- The Hon'ble Mr. M. Hammick, C.I.E., I.C.S., Secretary.
 A. T. Pringle, Esq., Asst. do.
 V. Raghava Chariar, B.A., Dewan Bahadur, 1st Assistant.
 P. T. Tharyan, B.A., 2nd do.

PUBLIC WORKS SECRETARIAT.

Office—Chepauk—11 A.M. to 5 P.M.

- W. B. deWinton, Esq., Secretary to Govt. and Chief Engineer—(On furlie.).
 A. H. Garrett, Esq., Acting do. do.
 The Hon. Col. A. W. Smart, R.E., Joint Secretary to Govt. and Chief Engineer, Irrigation Branch.
 S. B. Murray, Esq., A.M.I.C.E., Under Secretary to Govt. and Deputy Chief Engineer.
 M. R. Kharegat, Esq., Ag. Under Secretary to Govt. and Asst. Chief Engineer for Irrigation.
 R. Parsons, Esq., Chief Assistant.
 F. J. E. Spring, Esq., C.I.E., M.I.C.E., Secretary to Govt., P. W. D., Railway Branch, and Consulting Engineer for Railways—(On other duty).
 E. I. Shadbolt, Esq., Offg. Secretary to Govt., P. W. D., Railway Branch, and Consulting Engineer for Railways.
 C. D. Dore Wilson, Esq., Under Secretary to Govt., P. W. D., Railway Branch, and Deputy Consulting Engineer for Railways.
 J. G. Calder, Esq., Assistant.

SUPERINTENDENT OF PENSIONS AND FAMILY PAYMENTS.

Office—Fort—10 A.M. to 4-30 P.M.

- Major A. H. Dobbs, 16th M. I., Superintendent.
 M.R. Ry. T. Appanah Rao, Manager.

SUPERINTENDENT OF STAMPS AND STATIONERY.

Office—1st Line Beach—11 A.M. to 5 P.M.

- The Hon'ble Mr. J. N. Atkinson, I.C.S., Superintendent—(On other duty).
 J. Twigg, Esq., I.C.S., Ag. do.
 Mr. A. J. Nicholas, B.A., Ag. Manager, Stationery Office.
 V. Rajagopalachariar Ayl., B.A., B.L., Diwan Bahadur, Asst. Manager.
 M.R. Ry. K. Ramalinga Iyer, Head Accountant, Stamp Office.

SUPERINTENDENT OF PRISONS FOR THE TOWN OF MADRAS.

Office.—Penitentiary Road.

Major C. F. Fearnside, I.M.S.	Superintendent and Medical Officer.
Mr. C. A. Kerr	Jailer.
H. DeMeder	Deputy Jailer.
M.R.Ry. D. Royappa Pillai	1st Grade Asst. Jailer, (Head Clerk).
Mr. T. Lambourne	Chief Warden
R. E. Fonseca	Kuropean Warden.
A. E. Hargrave	Do.
S. Prager	Do.
M.R.Ry. S. Kuppusami Mudaliar	2nd Grade Asst. Jailer, (Storekeeper).
V. Narayan Mudaliar	2nd do. do. (Correspondence and Stationery Clerk).
K. Venkatakrishna Naidu	3rd do. do. (Assistant Storekeeper).
C. Venkatachari	3rd do. do. (Remission Clerk).
A. T. Ramaswami Iyer	Jailer, Civil Jail.

SUPERINTENDING ENGINEER, 5TH CIRCLE, MADRAS.

Office.—Fort.

J. P. Davidson, Esq.	Superintending Engineer, 5th Circle.
Mr. E. V. Beeby	Manager.
M.R.Ry. C. T. Cundaswami Mudaliar	2nd Clerk.
T. Manickam Mudaliar	Special Draughtsman.

SURGEON-GENERAL WITH THE GOVERNMENT OF MADRAS.

Office.—No. 5, Haddow's Road, Nungambakam—10-30 A.M. to 5 P.M.

Surg.-Genl. W. B. D. Sinclair, M.B., C.P.	Surgeon-General.
I.M.S.	
Captain C. Donovan, B.A., M.D., B.Ch., B.A.O.	Personal Assistant to the Surgeon-General.
B.V.M., I.M.S.	Manager.
Ghulam Mahmud, Khan Bahadur	

TRANSLATORS TO GOVERNMENT.

E. Marsden, Esq., B.A.	Persian and Hindustani Translator, and Examiner in Hindustani.
M.R.Ry. S. Rangayya Chetti, B.A.	Telugu Translator.
V. Raghava Charulu, Dewan Bahadur	Tamil do.
S. Mangasha Rao, B.A.	Canarese do.
M. Krishnan, B.A., B.L.	Malayalam do.

UNIVERSITY OF MADRAS.

Office.—Senate House, Chepank.

C. A. Paterson, M.A., LL.B.	Registrar.
J. J. Hennman, B.A.	Manager.
V. M. Gopalachari	Head Clerk.

SCALE OF CIVIL ALLOWANCES.

Government.	Monthly. Rs.	Secretariat—(contd.)	Monthly. Rs.
Governor (1)	10,000		
Private Secretary	1,500		
Manager, Private Secretary's Office	200		
Superintendent, Governor's Band	220 to 270 (2).	Revenue Secretary	3,125
Military Secretary	1,000	Under-Secretary	1,000
Member of Council	5,555-5-4	First Assistant	600
Secretary		Second Assistant	350
		Registrar	225
Chief Secretary	3,750		
Under-Secretary	1,950		
Assistant Secretary	800	Secretary to Government, Municipal, Educational and Legislative Departments	2,500
First Assistant	600	First Assistant	500
Second Assistant	350		
Registrar	250		

(1) Draws also Household and Tour allowance of Rs. 50,000 a year + Rs. 5,000 for furniture (Public Works Dept.).
 (2) With house rent of Rs. 50 per mensem.

IV.	Monthly. Rs.	Judicial—(contd.)	Monthly. Rs.
Scale of Consolidated Salary (Civil and Military).	Scale of pay for Old, New, Provincial Scale, Service.	Second Presidency Magistrate	800
Chief Engineers—Rs. Rs. Rs.		Third and Fourth Magistrates	850
1st Class	2,500..2,500.....2,500	Senior District and Sessions Judge 2,335-5-4	
2nd do.	2,000..2,000.....2,000	Junior do do	1,800
3rd do.	1,800..1,800.....1,800	Sheristadar do	150
Superintending Engineers—		Provincial Civil Service—	
1st Class	1,600..1,600.....1,600	Dist. and Sess. Judge, 1st Grade	1,600
2nd do.	1,350..1,350.....900	Do. 2nd do.	1,200
3rd do.	1,100..1,100.....750	Sub-Judges, 1st Grade	800
Executive Engineers—		Do. 2nd do.	650
1st Grade	350..1,000.....650	Do. 3rd do.	500
2nd do.	800..850.....550	Sheristadar do.	100
3rd do.	700..700.....475	District Munsifs, 1st Grade	400
4th do.	600.....	Do. 2nd do.	300
Assistant Engineers—		Do. 3rd do.	250
Grade	500..550.....400	Do. 4th do. (1)	200
Grade (after years' service)	400.....	Do. Anjengo (Local allowance)	80
Grade	350..450.....350		
Do.	250..350.....250	Financial	
Apprentices	100.....	Accountant-General, Rs. 2,750, 2,500, 2,250	
Upper Subordinate Establishment.		Enrolled Officers, Pay.	
Staff Salary Consolidated of Europeans, Salary of Civilians, Rs.		1st Class	1,750 to 2,000 1,500
Sub-Engineers—		Do. 2nd do.	1,250 to 1,500 1,250
1st Grade	250.....400	Do. 3rd do.	1,000 to 1,200 1,000
2nd do.	200.....300	Do. 4th do.	800 to 1,000 800
3rd do.	150.....250	Do. 5th do.	600 to 800 600
Supervisors—		Do. 6th do.	400 to 600 400
1st Grade	120.....200	On first Appt.	200
2nd do.	100.....150	On passing L.S.	250
Overseers—		On do H.S.	300
1st Grade	85.....100	Probationers	
2nd do.	80.....	Old Scale.	
3rd do.	60.....	Chief Supts., 2nd Class	500 to 700
Judicial.		Do. 3rd do.	500 to 600
Chief Justice	5,000	Do. 4th do.	400 to 600
Puisne Judge, High Court	4,000	Do. 5th do.	400 to 500
Registrar, H.C.	1,150-70-1,800		
Dy. Regr., Appellate Side.	700-60-1,000	NEW SCALE.	
Manager, do.	300	Chief Supts.	450 to 600
Nazar, do.	350	Subordinate Account Service.	
Dy. Regr., H.C., Original Side	1,000	Superintendent, 2nd Class	400-12-400
Assistant Regr., do.	400-20-500	Do. 3rd do.	300-16-350
Chief Interpreter, do.	400	Do. 4th do.	200-16-250
Dy. Interpreter, do.	250	Do. 5th do.	150-9-125
Manager, Judicial Department	300	Do. 6th do.	120-5-145
Dy. Manager, do.	200	Do. Currency Department	200
Supt., Administrative Dept.	350	Treasurer Department	200-10-300
Bench Clerks	120, 110, 100	Revenue.	
Advocate-General	1,800	First Member, Board of Revenue	3,750
Government Solicitor	1,100	Second do. do.	3,500
Government Pleader	350	Third do. do.	3,000
Crown Prosecutor and Public Prosecutor	500	Fourth do. do.	3,000
Clerk of the Crown	300	Secretary to the Commissioners of Land Revenue	1,500 to 1,800
Law Reporter	400	Secy. to the Commissioners of Salt, Akkari and Separate Rev.	1,500 to 1,800
Administrator-General	300	Secy. to the Commissioners of Rev. Settlement and Director of the Dept. of Land Records and Agriculture	1,000
Judge, Madras City Civil Court	1,200	Asst. Secretary to the Comrs. of Land Rev.	200
Sheristadar do.	150	First Asst. to the Comrs. of Land Rev.	500
First Judge, Small Cause Court	2,000	Second Asst. do.	300
Other Judges, do.	1,000	Registrar do.	300
Registrar, do.	500		
Head Clerk, do.	200		
Chief Presidency Magistrate	1,200		

(1) The District Munsif at Vayitri draws also Wynad allowance of Rs. 50.

Revenue—concl'd.	Monthly. Rs.	Post Office—(concl'd.)	Monthly. Rs.
Collectors of Ganjam and Vizagapatnam (1)	2,500	Asst. Dir. Genl. of the Post Office of India (Post Office)	750 to 1,000
Collector of Tanjore (1)	2,500	Comptroller, Post Office	1,500
Collectors of other Districts (1)	2,333-5-4	Dy. do. do. 1st Grade	800
Collector of Nilgiris (1)	2,000	Dy. do. do. 2nd do.	600
Second Grade Collectors (1)	1,800	Asst. do. do. 1st do.	400
Provincial Civil Service—		Asst. do. do. 2nd do.	300
Collr. and Magistrate, 1st Grade ..	1,500	Deputy Postmaster-General, 1st Grade ..	1,000 to 1,400
Do. 2nd do.	1,300	Do. do. 2nd Grade ..	750 to 1,000
Sub-Collectors (2)	1,166-10-8	Do. do. 3rd Grade ..	700
Principal Asst. Collectors (2) ..	768-5-4	Presidency Postmaster	500 to 900
Head Asst. Collectors (2) ..		Examiners of Accounts, 2nd Grade	300 to 400
Senior Assistants (2)		Examiners of Accounts, 3rd Grade	250
Special do. (1)	500	Do. 4th do.	200
Passed do. (1)	585	Supts. of Post Offices, 1st Grade ..	400 to 500
Unpassed do. (8)	200	Do. 2nd Grade ..	300 to 400
Probationers (Natives) O. S. (3) ..	250	Do. 3rd do.	250
Do. on passing 1st Standard ..		Do. 4th do.	200
Do. on confirmation 54 per cent. of the pay of Covenanted Civilians (8) ..		Personal Assistant	200
Deputy Collectors, 1st Class (4) ..	700	Supt. of Railway Mail Service (5) ..	300 to 400
Do. 2nd do. (4) ..	600	Do. do. (1) ..	200
Do. 3rd do. (4) ..	500	Telegraph.	
Do. 4th do. (4) ..	400	Class I—Director-General	3,000
Do. 5th do. (4) ..	300	Do. II—Dy. do.	2,000
Do. 6th do. (4) ..	250	Do. III—Director, Traffic Branch ..	1,000
Tahsildars, 1st Grade	250	Do. do. Construction Br.	1,000
Do. 2nd do.	225	Supt. 1st Grade	1,125 to 2,500
Do. 3rd do.	200	Do. 2nd do.	1,000
Do. 4th do.	175	Do. 3rd do.	850
Tahsildars, 5th Grade	150	Do. 4th do.	700
Collector's Sheristadar	225, 200, 175	Asst. Supt. 1st Grade	700
Head Clerk, Collector's Office ..	150	Do. 2nd do.	550
Huzur Cash-keeper do.	125, 100, 70	Do. 1st do.	400
Manager, Amended Colr. Estab-ment	85	Do. 2nd do.	300
Head Accountant, Treasury Deputy Collector's Office	85	Forest.	
Vernacular Head Accountant, Col-lector's Office	45	Upper Controlling Staff.	
Head Clerk and Principal Assis-ant, Sub-Collector's Office ..	85	Conservator, 1st Grade	1,600
Do. Head, Spl. and Senior Assistant Colr's Office ..	70	Do. 2nd do.	1,350
Do. Deputy Collector's Office ..	60	Do. 3rd do.	1,100
Stationary Sub-Magistrate	100, 120	Dy. Conservator, 1st Grade ..	900
Dy. Tahsildar and Sub-Magstr.	150, 120, 100	Do. 2nd do.	800
Taluk Sheristadars and Head Ac-countants	60 and 50	Do. 3rd do.	650
		Do. 4th do.	550
Post Office.		Extra Dy. Conservator, 4th Grade ..	450
Dir. Genl. of the Post Office of India ..	3,000	Assistant Conservators, 1st and 2nd Grades	450, 350
Postmaster-Genl., 1st Grade (2,250 to 2,500) ..	1,750 to 2,000	Do. 3rd and 4th Grades ..	250, 200
Do. do. 2 do.	1,500 to 1,750	Lower Controlling Staff.	
Insp. Genl. of Railway Mail Service, 1,000 to 1,400.		Extra Asst. Conservators, 1st, 2nd, 3rd and 4th Grades ..	250, 200, 250, 200

- (1) With a fixed Tentage of Rs. 50.
- (2) With a fixed Tentage of Rs. 35.
- (3) With a fixed Tentage of Rs. 11-1-9.
- (4) Deputy Collectors on General duties draw a Tentage allowance of Rs. 11-1-9. The Deputy Collector in charge of Wynad, of whatever grade, draws an extra allowance of Rs. 150 a month.
- Deputy Collector at Calicut draws also an extra allowance of Rs. 100 for being in charge of the Paper Currency Department.
- Deputy Collector at Madras Town draws also a special allowance of Rs. 100 for the work connected with the Income Tax.
- Deputy Collector, General duties, Kollegal, Coimbatore District, is also District Munsif of Kollegal and draws Local allowance of Rs. 100.
- (5) With house rent of Rs. 50.

Forests—concl'd.	Monthly. Rs.	Salt and Abkari Revenue.	Monthly. Rs.
SUBORDINATE FOREST AND DISTRICT ESTABLISHMENT.		Secretary to Commr. of Salt Abkari and Separate Revenue ..	1,500 to 1,800
Rangers ... Rs. 150, 125, 100, 80, & 50		Dy. Commissioners	1,200 to 1,400
Revenue Settlement.		Assistant Commr., 1st Grade (2) ..	800
Secretary to Commr. of Revenue Settlement and Director of the Dept. of Land Records and of Agriculture	1,000	Do. 2nd do. (2) ..	700
First Assistant to do.	400	Do. 3rd do. (2) ..	600
Uncovenanted Deputy Commrs. of Rev. Sett., 1st Grade	1,200	Do. 4th do. (2) ..	500
Do. 2nd do.	750	Inspector, Salt, 1st Grade	400
Do. Assistant Commrs. of Rev. Sett. (1) ..	425	Do. 2nd do.	350
Deputy Director of the Department of Land Records and Agriculture ..	750—50—1,000	Do. 3rd do.	300
Assistants	250	Do. 4th do.	250
Supervisors	150	Do. Probationer	200
Agricultural Inspectors	100 and 50	Assistant Inspectors, 1st Grade ..	175
Civil Veterinary Department.		Do. 2nd do.	150
Indian Mil. Civil.		Do. 3rd do.	125
Veterinary Surgeons.		Customs.	
Pay and Allowances.		Collector, Sea Customs	2,333-5-4
Under 5 years' service	450	Asst. Commr. do.	(a) 700
After 5 do.	450	Supt. of Statistics do.	(a) 700
do. 10 do.	600	Head Appraiser do.	600 + L. A. 30
Veterinary Surgeons, 1st Class ..	500	2nd Appraiser do.	400—20—500
After 5 years' service in 1st class ..	650	Manager, General Correspondence Department	175—10—225
After 10 years' service as Veterinary Captain ..	750	Supervisor, Bonding Department ..	175
The Supt., Civil Vety. Dept. also draws House Rent of Rs. 50 a month with his Grade pay.		Supt., Import Export Dept.	150—10—200
The candidates appointed by the Secretary of State direct from the English Veterinary Colleges will draw pay as follows—		Do. Miscellaneous do.	125
On arrival in India Rs. 500 a month rising by Rs. 40 each year to Rs. 1,100, which rate will continue from the beginning of the 10th to the end of the 10th year of service; after the beginning of the 21st year Rs. 1,200 a month		Registration.	
Revenue Survey.		Inspector-General	1,250
Superintendent	1,500—50—1,800	Registrar, Madras	500
Dy. Superintendent, 1st Class	1,100	District Registrars (1st and 2nd, 500, 400; 3rd and 4th, 350, 300; 5th and 6th, 250, 200; 7th	175
Do. 2nd do.	750	Sub-Registrars:—	
Asst. Supt., 1st do.	550	1st Grade	150
Do. 2nd do.	425	2nd do.	125
Do. 3rd do.	300	3rd do.	100
Sub-Assistants	250, 200 and 150	4th do.	80
		5th do.	60
		6th do.	70
		7th do.	60
		8th do.	50
		Jails.	
		Inspector-General of Prisons	1,333-5-4
		Superintendents of (1st Class (3) Central Jails, 2nd Class (3) Supt. of Central Jail (1) (Special) ..	600
		Do. of Prisons, Madras (4) ..	600
		Do. of Dist. Jails (Special) ..	350—20—450
		District Jails, 1st Class, 500 prisoners ..	150
		Do. 2nd do. 300 do.	100
		Do. 3rd do. 150 do.	75
		Do. 4th Cl., less than 150 pris.	50
		Supt. of Jail, Paravatur	250
		Jailors, Presidency Jails	125 to 150
		Do. Central Jails	200 to 250
		Do. do.	150 to 200
		Do. do.	125 to 150
		Do. District Jails	100 to 125
		Do. do.	75 to 100

- (1) Pay Rs. 425, rising to Rs. 550 after 2 years' approved service.
- (2) With house rent of Rs. 46-2-6.
- (3) If Medical Officers. If not Medical Officers, 1st Class 600 to 850, 2nd Class 450 to 600 and Rs. 100 to Surgeons in Medical charge. Pay of Medical Officers, 1st class, combined Executive and Medical charge, Rs. 700—50—950; 2nd class, Rs. 550—50—700.
- (4) With house rent and conveyance allowance of Rs. 125 and Rs. 50, respectively.
- (a) This appointment is included in the Asst. Commissioner's Grade of Salt Revenue. He draws also house rent of Rs. 46-2-6.

Police.	Monthly.	Rs.	Education—conold.	Monthly.	Rs.
Inspector-General.....	2,500		Principal, Law College.....	1,200	
Deputy Inspectors-General, 1st, 2nd and 3rd Grades.....	1,400, 1,300, 1,200		Senior Professor of Law.....		
Assistant do.....	800		do.....		
Manager do.....	250		First, Second and Third Asst. Professors of Law.....	(a)	
Storekeeper do.....	150 to 200		Inspectress of Girls' Schools, N. and C. Circles.....	500 to 500	
Commissioner of Police.....	1,500		Do.....	450 to 500	
Deputy Commissioner of Police.....	800		Provincial Educational Service—		
Assistant Commissioner do.....	350		First Class.....	700	
Manager, do.....	150 to 200		Second do.....	600	
Superintendents, 1st Grade.....	1,000		Third do.....	550	
Do, 2nd do.....	900		Fourth do.....	500	
Do, 3rd do.....	850		Fifth do.....	450	
Do, 4th do.....	700		Sixth do.....	400	
Do, 5th do.....	600		Seventh do.....	350	
Asst. Superintendents, 1st Grade.....	500		Eighth do.....	300	
Do, 2nd do.....	450		Ninth do.....	250	
Do, 3rd do.....	400		Tenth do.....	200	
Do, 4th do.....	350		Principal, C. E. College.....	1,600-4-0	
Do, 5th do.....	300		Vice-Principal of the Agricultural College, Saidapet.....	400 to 500	
Do, Probationers.....	350, 250		Vice-Principal, Teachers' College.....	400 to 500	
Superintendent of Police, Madras City.....	800		Superintendent, Training School for Mistresses.....	350-10-450	
Chief and Special Inspectors (3).....	300		Sub-Asst. Inspectors of Schools (5).....	75, 100, 125, 150	
Inspector of Police, 1st Class (2).....	300		Sub-Asst. to the Inspectresses of Girls' Schools.....	(8) 75, 100, 150	
Do, 2nd do. (2).....	150				
Do, 3rd do. (2).....	100				
Do, 4th do. (2).....	75				
Marine.					
Presidency Port Officer.....	1,370				
Dy. Conservator of the Port of Madras (Harbour Trust Board).....	900				
Agent for Govt. Consignments and Personal Assistant to the Presy. Port Officer.....	550				
Assistant and Manager, Presidency Port Office.....	150 to 175				
Port Officers.					
First Grade.....	600				
Second do.....	550				
Third do.....	500				
Fourth do.....	450				
Fifth do.....	350				
Local Allowance to Agent, Government Consignments.....	100				
Education.					
Director of Public Instruction.....	2,000 to 2,250				
Graded Educational Service.					
1st Class.....	1,250-50-1,500				
Indian Educational Service, Pay—Rs. 500, 50-1,000					

- (1) The Supt. and Asst. Supt. in Jeypore, and the Asst. Supt., Hill Tracts, Ganjam, draw also local allowance of Rs. 100 per mensem, whether Acting or Permanent.
- (2) Chief Inspector of Police at Wellington draws also house allowance and horse allowance at Rs. 25, respectively.
- (3) Special Inspectors of Police draw also horse allowance of Rs. 15.
- (4) Inspectors of Police draw also horse allowance besides their pay.
- (5) Sub-Asst. Inspectors of Schools draw also fixed travelling allowance of Rs. 25.
- (6) Chaplains in the Presidency Town draw house-rent of Rs. 130.
- (7) The Domestic Chaplain draws house-rent of Rs. 75 when in Madras.
- (8) The Chaplains in Bolarum and Secunderabad draw conveyance allowance of Rs. 50.
- (9) The Chaplain in charge of Pallavaram draws an extra allowance of Rs. 150, and house-rent of Rs. 75.
- (10) The Senior Chaplain of the Church of Scotland draws a special allowance of Rs. 150.

(a) Pay met from fees.

Medical.	Monthly.	Rs.	Medical—conold.	Monthly.	Rs.
Surgeon-General.....	2,500		District, Medical and Sanitary Officer, 1st class.....	1,050-850-550-350	
Personal Asst. to Surgeon-General (1).....	600		District, Medical and Sanitary Officer, 2nd class.....	950-750-550-400	
Manager do.....	200		Residency Surgeon—as First or 2nd class Civil Surgeon.....		
Surgeon to H. E. the Governor.....	1,000		Civil Medical Officers in charge of Civil Stations.....	700, 550, 450, 350	
Sanitary Commissioner.....	1,200-120-1,800		Native Asst. Surgeons (2).....	100, 150, 200	
Sanitary Engineer to Govt.....	1,000-60-1,350		1st Asst. Chemical Exmt., Rs. 150-25-250		
Asst. do.....	850-30-500		2nd Asst. do.....	Rs. 125-25-200	
Principal, Medical College and Principal Medl. Officer, Genl. Hoapl.....	1,600				
Manager, Sanitary Commr's Office.....	200				
Professor of Medicine and First Physician, Genl. Hoapl., and Surgeon, 2nd District.....					
Professor of Surgery and First Surgeon, Genl. Hoapl.....					
Professor of Hygiene and Deputy Sanitary Commr. and Inspector of Vaccination.....					
Professor of Anatomy and 2nd Surgeon, Genl. Hoapl., with Port and Marine issues.....					
Professor of Ophthalmology and Supt. of Ophthalmic Hospital.....					
Professor of Physiology, including Practical and Chemical Physiology, &c.....					
Second Physician, Genl. Hoapl., and Surgn., 3rd District.....					
Professor of Midwifery and Supt. of Maternity Hospital.....					
Professor of Medical Jurisprudence and Surgeon, 4th District.....					
Surgeon, 1st Dist., and Inspector of Emigrants.....					
Professor of Pathology and 3rd Physician, Genl. Hoapl.....					
Professor of Biology and 3rd Surgeon, Genl. Hoapl.....					
Professor of Materia Medica and 4th Physician, Genl. Hoapl.....					
Resident Medl. Officer, Genl. Hoapl.....					
Professor of Dental Surgery.....					
The Lecturer on Mental Diseases and Supt., Lunatic Asylum, Madras, draws rates of staff salary in addition to pay of rank.....					
Lieuts. and Captains of less than 5 years' service.....	300				
Captain of 5 and less than 12 years.....	250				
Major of 12 and less than 20 years.....	400				
Lieut.-Col. of 20 and less than 25 years.....	500				
Do, 25 and more years' service.....	50				
Provincial Health Officer, Supt. of the Bacteriological Laboratory and Lecturer in Hygiene and Bacteriology in the Medical College draws the following scale of allowances in addition to pay of rank—					
Under 5 years' service.....	300				
5 to 12 do.....	350				
12 to 20 do.....	400				
Over 20 years' service.....	600				

- (1) With house rent of rank.
- (2) With a local allowance of Rs. 50.
- (3) With a conveyance allowance of Rs. 40.
- (4) Also draws an additional allowance of Rs. 200 as an Examiner in Hindustani.
- (5) Also draws Local allowance of Rs. 400 as Librarian of the Connemara Free Library and Superintendent of Ethnography.
- (6) With house rent of Rs. 125.

GRADATION INDIAN AND STATUTORY ON THE MADRAS Corrected up to

The Rank of Civil Servants commences from the date of arrival at Madras of having, while under twelve years' standing to Class I; from the thirteenth to the twenty-third year, to Class III; from the twenty-fourth to the end of the Column 4.—The names of Indian Civil Servants on Long Leave and of all shows that they received certificate in Survey.

Column 5.—The commencement of Service is reckoned from the date of the whichever is earlier.

Column 6.—The date against the names of Statutory Civilians in column 6

Column 10.—The full acting allowance ordinarily admissible for an acting up of any officer on Privilege leave, though, in accordance with Article 120 of the unless transferred from another station, when three-fourths of the full acting al

1 No.	2 Languages Passed.	3 Rewards in Lan- guages.	4 NAMES.	5 Commence- ment of Service.	6 Date of Arrival.	7 Non-Residence, and if now on leave, date of expiry of leave.
CLASS I, more than						
1	TAM TEL In Coll.		The Hon. Mr. Arundel Tagg Arundel, B.A., S.J., Univ. London. Col.	25 July 65	18 Nov. 65	23 Apl. 76 to 18 Oct. 77, Medl. Cert. 14 Aug. 85 to 5 Aug. 87, Furlo. 6 to 9 July 90, Abs. 11 Apl. 91 to 3 Oct. 91, Spl. leave. 23 Aug. to 2 Sep. 95, Spl. duty in England not counting for leave. 7 Jan. to 21 Oct. 97, Furlo. 25 Aug. 78 to 3 Dec. 78, Medl. Cert. 6 Jan. to 1 July 81, Spl. leave. 16 Feb. to 14 Dec. 88, Furlo. 7 Sep. 92 to 1 Mar. 93, Furlo. 15 Sep. 94 to 14 Mar. 95, Medl. Cert. 15 to 25 Mar. 95, Extra leave. 21 Nov. 97 to 18 Dec. 97, Extra leave. 2 Mar. to 23 Nov. 99, Furlo.
2	1st L TAM 2d L TEL	.....	The Hon. Mr. Justice James Asworth Davies, (Bar-at-Law), King's Coll., London.	12 Aug. 66	3 Jan. 69	

LIST OF CIVIL SERVANTS ESTABLISHMENT.

1st January 1903.

the first Civil Servant of that year; and, being thus determined, all Civil Servants the end of the eighteenth year, to Class IV; from the nineteenth to the end of thirtieth year, to Class II; and after the thirtieth year, to Class I. Statutory Civilians are printed in italics, and the mark ¶ after their names

Covenant or the Secretary of State's Despatch announcing the Officer's appointment,

"Date of arrival" is date of confirmation.

pointment is entered against the names of officers acting in consequence of the absence Civil Service Regulations, 3rd edition, no acting allowance is given to such officers, lowance is given for the first thirty days of the acting appointment.

8 Actual Service up to 1st Jan. 1903 from date of arrival.	9 Total Service	10 Salary and Allowances.	11 Appointments—Stations.	12 Remarks.
80 years' standing.				
y. m. d. 32 4 11	y. m. d. 37 1 13	Rs. a. p. 6,666 10 8	Ordinary Member of the Council of the Viceroy and Govr.-Genl. of India— 15 th May 1901.—CALCUTTA.	
29 6 25	33 11 29	4,000 0 0	Judge of the High Court of Judicature—1st Jan. 1890.—MADRAS.	Fellow of the Madras University.

No.	2 Languages Passed.	3 Rewards in Lan- guages.	4 Names.	5 Commence- ment of Service.	6 Date of Arrival.	7 Residence, and if on leave, date of expiry of leave.
3	1st L. MAI 2d L. TAN	MAL High Profy	The Hon. Mr. Henry Martin Winterbotham, C.S.I., Univ. of London.	30 Sep. 69	19 Nov.	June 78 to 20 June 80, Medl. Cert. July 83 to 30 July 84, Medl. Cert. Mar. 90 to 22 Mar. 91, Furlo. 23 May 96 to 21 May 97, Furlo. May to 28 Oct. 02, Leave on Medl. Cert.
4	1st L. TAN 2d L. TAN	.....	Gordon Thom- son Mackenzie Trinity Coll., Dublin.	30 Sep. 69	19 Nov.	22 Apr. 78 to 12 Jan. 80, Medl. Cert. 2 Apr. 86 to 21 Oct. 87, Furlo. 2 Mar. to 25 Oct. 94, Furlo.
5	1st L. TAN 2d L. TAN	.....	Lewis Moore, Trinity College Dublin.	30 Sep. 69	19 Nov.	17 Apr. 71, Abs. 8 Apr. 79 to 3 Apr. 81, Furlo. 24 and 25 July 83, Abs. 25 Apr. 84 to 31 May 86, Furlo. 5 March to 23 Aug. 86, Spl. leave. 3 to 7 Aug. 89, Abs. 25 Apr. 90 to 22 Nov. 90, Furlo. 4 to 7 Aug. 94, Abs. 21 Mar. 96 to 13 Nov. 97, Furlo.
6	1st L. TAN 2d L. TAN	.....	The Hon. Frederick Gardus New- son, C.I.E., Oxford.	30 Sep. 69	19 Nov.	6 Jan. to 24 Dec. 75, Furlo. 29 Apr. 84 to 23 July 85, Medl. Cert. 25 Oct. 89 to 25 Oct. 90, Furlo. 11 May 91 to 6 Mar. 92, Medl. Cert. 21 Mar. to 3 Dec. 96, Furlo. 26 Apr. to 18 Aug. 98, Spl. leave.

8 Actual Service up to 1st Jan. 1903 from date of arrival.	9 Total Service	10 Salary and Allowances.	11 Appointments—Stations.	12 Remarks.
y. m. d. 27 8 1	y. m. d. 33 1 12	R. a. p. 5,333 5 4	Ordinary Member of the Council of the Govt. of the Presidency of Fort St. George—9th Nov. 1898.— MADRAS.	Fellow of the Madras University.
29 2 5	33 1 12	R. 2,800 0 0	Resident in Travancore and Cochin—30th Sep. 1900. TRIVANDRAM.	Fellow of the Madras University.
27 3 15	33 1 24	R. 2,333 5 4	Dist. and Sess. Judge, Bellary—30th Jan. 1892. —BELLARY.	
28 0 9	33 0 28	R. 3,750 0 0	First Member, Bd. of Rev. and Commr. of Land Rev. and Dir. of the Dept. of Land Records and Agriculture and Inam Commr.—9th May 1901.—Addl. Member of the Council of Fort St. George for making Laws and Regns.—11th Apl. 1902.	Fellow of the Madras University. On spl. duty of pre- paring a code of rules for the regula- tion of land banks, &c., until 31st Mar. 1903.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
7	1st L TEL 2d L TAM	.....	Arthur Frederick Cox, C.S.I., King's Coll., London.	8 July 71	3 Nov. 71	8 Jan. 79, Abs. 1 Apl. 80 to 24 Nov. 81, Medl. Cert. 5 and 6 Dec. 81, Abs. 1 Apl. 90 to 26 Mar. 92, Furlo. 3 Apl. 97 to 26 Oct. 98, Furlo.
8	1st L TAM 2d L TEL	.....	The Hon. Mr. James Thomson, M.A., C.S.I. Univ., of Aberdeen.	15 July 71	24 Nov. 71	21 Apl. 80 to 9 Oct. 81, Furlo. 16 Dec. 87 to 23 Nov. 88, Furlo. 21 Mar. to 19 Nov. 93, Furlo. 7 Aug. 96 to 29 July 97, Medl. Cert.
9	1st LOAN 2d L HRS	CAN High Profy.	The Hon. Mr. Gabriel Stokes, B.A., Trinity College, Dublin.	6 Sep. 71	29 Oct. 71	26 Nov. 82 to 23 Nov. 84, Medl. Cert. 8 Apl. 85 to 3 Mar. 89, Furlo. 22 Mar. to 19 Nov. 93, Furlo. 27 Nov. 97 to 19 May 98, Furlo. 1 & 2 Mar. 02, Abs.
10	1 TAM 2d L TEL	....	The Hon. Mr. George Stuart Forbes, M.A., Univ. Coll., Aberdeen.	1 July 72	16 Oct. 72	1 to 3 July 79, Abs. 26 Apl. 89 to 25 Apl. 91, Furlo. 26 Apl. 91 to 27 May 91, Abs. 7 June to 16 Nov. 99 Furlo.
Class II., from 24 to the end						
11	1st L TAM 2d L TEL	.....	The Hon. Mr. Justice Ralph Sillery Benson, M.A., LL.B., (Bar-at-Law), Trinity Coll., Dublin.	15 July 79	29 Oct. 79	8 Oct. 85 to 3 Oct. 87, Furlo. 29 May 91 to 27 Feb. 92, Furlo. 23 Mar. to 17 Nov. 95, Furlo. 22 Apl. to 19 Oct. 99, Furlo.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
25 11 11	31 1 28	₹ 3,500 0 0	Compt. and Andr-Genl. and Head Commr. of Paper Currency—12th Dec. 1898. —CALCUTTA.	Awarded Kaisar-i- Hind Medal, 1st Class.
27 0 17	31 1 7	₹ 5,383 5 4	Ordinary Member of the Council of the Govr. of the Presidency of Fort St. George.—9th May 1901.— MADRAS.	
27 1 18	31 2 4	₹ 3,750 0 0	Chief Secy. to Govt.—20th Sep. 1898.—Addl. Member of the Council of Fort St. George for making Laws and Regns.—6th Nov. 1898 —MADRAS.	Fellow of the Madras University.
27 8 0	30 2 16	₹ 3,125 0 0	Secy. to Govt., Rev. Dept. —20th Sep. 1898.—Addl. Member of the Council of Fort St. George for making Laws and Regns.—11th June 1898.—MADRAS.	
of 30 years.				
25 3 12	29 2 3	₹ 4,000 0 0	Judge of the High Court of Judicature, Madras — 4th Mar. 1896.—MADRAS.	Fellow of the Madras University.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
12	1st L TEL 2d L TAM	.....	Walter Miller Thorburn, B.A., (Bar-at-Law), Dalhousie Coll., Halifax.	26 July 75	26 Nov. 75	16 Apl. to 18 Aug. 76, Medl. Cert. 26 Oct. 83 to 19 July 85, Medl. Cert. 24 Aug. 89 to 26 Dec. 90, Medl. Cert. 21 Mar. to 16th Sep. 93, Spl. leave. 7 June 97 to 7 June 98, Furlo. 8 to 17 June 98, Extra leave. 7 to 12 Feb. 01, Abs. 4 Feb. 02, Furlo. Leave expires, 20 Dec. 02.
13	1st L TAM 2d L TEL	.....	The Hon. Mr. Arthur Henry Temple Martin- dale, C.S.I.	27 July 75	10 Nov. 75	14 June 78 to 11 Mar. 79, Medl. Cert. 13 Oct. to 29 Dec. 79, Spl. leave. 23 Oct. 85 to 28 Oct. 86, Furlo. 4 April 91 to 10 Jan. 92, Furlo. 7 Mar. to 3 Dec. 96, Furlo. 5 May 00 to 31 Jan. 02, Furlo.
14	1st L TEL 2d L TAM	.....	The Hon. Mr. Guy Francis Thos. Power, Oriel College, Oxford.	13 Aug. 75	23 Nov. 75	16 Dec. 86 to 17 Dec. 87, Furlo. 26 June 91 to 18 Dec. 92, Medl. Cert. 19 Sep. 96 to 18 Sep. 98, Medl. Cert. 19 to 23 Sep. 98, Extra leave.
15	1st L TEL 2d L TAM	.....	Alfred William Buckle Higgins.	14 Sep. 76	6 Dec. 76	4 to 9 Sep. 86, Abs. 28 Aug. 87 to 22 June 89, Furlo. 15 Sep. 93 to 15 Dec. 94, Furlo. 16 Nov. 97 to 14 May 98, Spl. leave. 14 May 02, Furlo. Leave expires, 13 Oct. 03.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date	Total Service of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. p. p.		
21 2 28	27 1 5	R 2,333 5 4 ABS A 1,166 10 8 Subject to a maxi- mum of £1,000 a year.	Dist. and Sess. Judge, Kurnool—24th June 1898.	On Priv. leave for 29 days from 6th Jan. 1902 and Furlo. for 10 months and 15 days from 4th Feb. 1902. Exten. for 2 days. Permitted to return to duty.
21 11 1	27 1 21	R 4,000 0 0 SUMPT. A 250 0 0 4,250 0 0	Resident, 1st Class.—Agent to the Govr.-Genl., Raj- putana—10th Mar. 1895.	
22 7 1	27 1 8	R 2,333 5 4 D A 616 10 8 2,950 0 0	Dist. and Sess. Judge, Tan- jore—3rd Jan. 1899.— Addl. Member of the Council of the Govr.-Genl. for making Laws and Regul.—12th Sep. 1902.— CALCUTTA.	On depn. to Calcutta as Addl. Member of the Council of the Govr.-Genl.]
21 10 2	26 0 26	R 3,500 0 0 ABS A 1,646 14 10 Subject to a Maxi- mum of £1,000 a year.	Second Member, Board of Rev. and Commr. of Rev. Settle.—9th May 1901.	On Priv. leave for 1 month and 5 days from 9th Apl. 1902 and Furlo. for 7 months, from 14th May 1902.—Exten. for 10 months.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
16	1st L MAL 2d L TAM	MAL High Profy.	Vernor Alexander Brodie, Univ. College, London.	11 Aug. 77	6 Jan. 78	20 Apl. 88 to 7 Apl. 89, Furlo. 28 Apl. 89, Abs. 21 Jan. 93 to 19 Jan. 95, Furlo. 3 Nov. 96 to 1 Feb. 97, Extra leave. 10 May 99 to 14 Nov. 00, Furlo.
17	1st L TAM 2d L TEL	TAM MAL PERSIAN HINDU- STANI High Profy.	John Willoughby Francis Damer- gue.	11 Sep. 77	23 Dec. 77	25 Jan. 78, Abs. 5 Dec. 84 to 27 Feb. 86, Medl. Cert. 17 Oct. 96 to 14 Oct. 98, Furlo. 12 Oct. 02, Furlo. Leave expires, 11 Apl. 08.
18	1st L TAM 2d L TEL	.....	Samuel Russell, B.A., LL.B., Trinity College, Dublin.	6 Aug. 77	7 Nov. 77	4 to 7 Sep. 82, Abs. 29 Dec. 84 to 2 Jan. 85, Abs. 20 Mar. 85 to 19 Jan. 87, Medl. Cert. 29 Jan. to 13 Feb. 87, Extra leave. 20 Oct. 89 to 19 Oct. 90, Medl. Cert. 20 Oct. 90 to 18 July 91, Extra leave. 1 Mar. 99 to 20 Sep. 00, Furlo. 1 Oct. 02, Spl. leave. Leave expires, 31 Jan. 03.
19	1st L TEL 2d L CAN	.....	Francis D'Arcy Osborne Wolfe Murray, St. Andrew's Univy.	11 Sep. 77	19 Dec. 77	12 Nov. 78 to 11 Nov. 79, Medl. Cert. 12 Nov. 79 to 16 Jan. 80, Extra leave. 15 and 16 July 85, Abs. 16 Mar. 88 to 24 Sep. 89, Medl. Cert. 25 Sep. 89, Extra leave. 6 to 10 Oct. 92, Abs. 8 Oct. 95 to 20 Nov. 97, Medl. Cert. 26 Sep. to 4 Oct. 00, Abs. 16 June 02 to 10 Nov. 02, Medl. Cert.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 20 3 0	y. m. d. 24 11 26	Rs. a. p. P 2,333 5 4	Dist. and Sess. Judge, Coim- batore—30th Sep. 1900.— COIMBATORE.	
21 6 27	25 0 9	P 2,333 5 4 ABS. A. 1,166 10 8 Subject to a maxi- mum of £1,000 a year.	Dist. and Sess. Judge, South Canara—5th Oct. 1899.	On Furlo. for 6 months from 12th Oct. 1902.
19 8 1	25 1 24	P 2,333 5 4 ABS. A. 1,166 10 8 Subject to a maxi- mum of £1,000 a year.	Dist. and Sess. Judge, S. Malabar—2nd Sep. 1900.	On Priv. leave for 2 months from 1st Aug. 1902 and Spl. leave for 4 months from 1st Oct. 1902.
19 7 13	25 0 13	P 2,333 5 4	Dist. and Sess. Judge, Gan- jam—3rd Dec. 1897.	

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
20	1st L TEL 2d L CAN	.....	Murray Ham- mick, C.I.E.	5 Sep. 77	18 Dec. 77	6 Nov. 82, Abs. 25 Nov. 87 to 10 Jan. 89, Furl. 1 Dec. 93 to 3 Dec. 94, Furl. 26 Nov. 98, to 7 Apl. 99 Spl. leave. 20 May to 28 Nov. 01, Furl.
21	1st L TAM 2d L TEL	.....	Hugh Gore Joseph, M.A., New College, Oxford.	15 Aug. 72	1 Nov. 77	12 May to 9 June 79, Medl. Cert. 16 Nov. 82 to 9 Nov. 84, Medl. Cert. 27 July 87 to 26 July 88, Medl. Cert. 27 July to 29 Oct. 88, Extra. leave. 1 June 94 to 22 Nov. 95, Furl. 6 to 8 Dec. 95, Abs. 5 May to 27 Oct. 00, Furl. 28 Sep. 02 Spl. Leave. Leave expires, 26 Jan. 03.
22	1st L CAN 2d L TEL	.....	Herbert Bradley, The Hon. Mr. (Bar-at-Law).	18 Sep. 78	3 Dec. 78	6 Apl. 90 to 7 Nov. 91, Furl. 24 to 26 Oct. 95, Abs. 25 Sep. 97 to 24 Feb. 99, Furl. 1 Aug. to 30 Oct. 02.
23	1st L TAM 2d L TEL	.....	The Hon. Mr. Henry Alexander Sim, C.I.E.	3 Sep. 78	19 Nov. 78	18 Jan. 89 to 4 July 90, Furl. 9 July 92 to 8 July 93, Medl. Cert. 9 July 93 to 11 Apl. 95, Extra leave.

8	9	10	11	12
Actual Service up to 1st from date	Total Service an. 1903 of arrival.	Salary and Allowances.	Appointments- Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
22 0 1	25 0 14	P 2,500 0 0	Secy. to Govt., Local and Municipal, Edl. and Legial. Dept.—31st Dec. 1901.— MADRAS.	Member of the Sani- tary Bd.
20 7 1	25 1 24	P 2,333 5 4 ABS. A 1166 10 8 Subject to a maxi- mum of £1,000 a year.	Dist. and Sess. Judge, Trichi- nopoly—9th Dec. 1898.	On Priv. leave for 1 month and 27 days, from 27th July 1902 and Spl. leave for 4 months and 3 days from 23rd Sep. 1902.
20 9 24	24 0 29	P 3,000 0 0 A A 750 0 0 3750 0 0	Third Member, Bd. of Rev., and Commr. of Salt, Ab- kari and Sep. Rev.—9th May 1901.—Ag. First Member, Bd. of Rev.—5th Nov. 1902. Addl. Member of the Council of Fort St. George for making Laws and Regns.— 11th Nov. 1902.—MADRAS.	
19 10 21	24 1 12	P 3,000 0 0 A A 500 0 0 3,500 0 0	Fourth Member, Bd. of Rev., and Commr. of Land Rev., 9th May 1901.—Ag. Second Member, Bd. o Rev., 1st May 1902.—Addl Member of the Council o Fort St. George for making Laws and Regns.—30th Sep. 1901.—MADRAS.	

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
24	1st LTel	URIYA Special Test.	Charles Herbert Mounsey, (Bar. at-Law).	6 Aug. 78	3 Dec. 78	18 to 23 Oct. 82, Abs. 16 July 85, Abs. 18 May 89 to 13 Nov. 90, Furlo. 30 Dec. 93 to 3 Jan. 96, Furlo. 12 Apl. to 11 Dec. 98, Furlo. 17 Dec. 85 to 18 Nov. 87, Medl. Cert. 22 Apl. to 17 Oct. 89, Spl. leave. 2 Mar. 89 to 30 Nov. 00, Furlo.
25	1st LTel 2d LTAM	.....	The Hon. Mr. John Nathaniel Atkinson.	8 Aug. 78	3 Dec. 78	17 Dec. 85 to 18 Nov. 87, Medl. Cert. 22 Apl. to 17 Oct. 89, Spl. leave. 2 Mar. 89 to 30 Nov. 00, Furlo.
26	1st LTAM 2d LTel	URIYA Special Test.	Charles James Weir, James Queen's College, Belfast.	18 Sep. 78	17 Nov. 78	10 July 83 to 29 Mar. 84, Medl. Cert. 2 July 89 to 12 Oct. 90, Furlo. 22 Feb. 97 to 20 Oct. 98, Medl. Cert. 5 June to 30 Oct. 02, Furlo.
27	1st LTAM 2d LTel	TAM. High Profy.	Frederick Harter Hammett.	12 Sep. 79	17 Nov. 79	24 Nov. 82 to 29 Oct. 83, Medl. Cert. 24 July 89 to 20 July 89, Medl. Cert. 9 Mar. 94 to 17 Feb. 95, Medl. Cert. 21 Mar. to 19 Sep. 98, Spl. leave. 24 Nov. 02, Furlo. Leave expires, 23 June 03. 11 Sep. 91 to 11 Dec. 92, Furlo. 1 Feb. 97 to 20 Oct. 98, Furlo.
28	1st LTAM 2d LTel	TAM. High Profy.	Charles Mylne Mullaly, University of London.	6 Sep. 79	3 Nov. 79	11 Sep. 91 to 11 Dec. 92, Furlo. 1 Feb. 97 to 20 Oct. 98, Furlo.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
20 10 20	24 0 29	P 2,353 5 4 T 50 0 0 2,353 5 4	Collr. and Magt. of the Dist., Coimbatore—28th Oct. 1900.—COIMBATORE.	
19 11 2	24 0 29	P 2,333 5 4 A.A. 600 0 0 2,333 5 4	Collr. of Sea Customs and of the Madras Dist., Protector of Emigrants, Supdt. of Stamps and Stationery and Chairman, Harbour Trust Board—10th Nov. 1897.— Ag. Third Member, Bd. of Rev., and Commr. of Rev. Settlt.—1st May 1902. Addl. Member of the Coun- cil of Fort St. George for making Laws and Regins. 8th Nov. 1901.—MADRAS.	President, Equitation Bd.
19 0 18	23 1 14	P 2,332 5 4 A.A. 600 0 0 2,332 5 4	Dist. and Sess. Judge, God- daph—5th Nov. 1902.— Ag. Fourth Member, Bd. of Rev. and Commr. of Land Rev. and Dir. of the Dept. of Land Records and Agriculture and Inam Commr.—5th Nov. 1902.— MADRAS.	President, Bd. of Exrs.
19 7 24	23 1 14	P 2,332 5 4	Dist. and Sess. Judge, Goda- vari—6th Apl. 1901.	On Priv. leave for 1 month and 23 days from 1st Oct. 02 and Furlo. for 7 months from 24th Nov. 1902.
20 2 6	23 1 28	P 2,000 0 0 T 50 0 0 2,050 0 0	Collr. and Magt. and Addl. Sess. Judge, the Nilgiris— 5th Nov. 1902.—OOTACA- MUND.	

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
29	1st LTAM 2d L TEL	.....	John Twigg, Balliol College, Oxford.	11 Sep. 79	3 Dec. 79	5 to 7 Jan. 80, Abs. 16 June 81 to 15 June 82, Medl. Cert. 16 June to 12 Dec. 82, Extr. leave. 20 and 21 Aug. 90, Abs. 23 Apl. 93 to 19 Jan. 95, Furlo. 26 Mar. 00 to 25 Sep. 01, Furlo.
30	1st L TEL 2d L TAM	.....	James Andrew ...	12 Sep. 79	17 Nov. 79	6 July 83, Abs. 22 Mar. 89 to 27 Dec. 90, Furlo. 4 to 7 July 95, Abs. 7 Mar. 98 to 2 Mar. 00, Furlo.
31	1st L TEL 2d L TAM	URIYA Special Test.	Andrew Edmund Castlestuart Stuart, F.G.S., F.L.S., F.R.G.S.	9 Sep. 79	17 Nov. 79	21 July 90, Abs. 13 Nov. 97 to 10 Nov. 99, Furlo.
32	1st L TAM 2d L TEL	.....	Alexander Cham- bers Tate, M.A., Queen's Coll., Belfast, and Trinity Coll., Dublin.	18 Sep. 79	3 Dec. 79	5 to 7 Jan. 80, Abs. 19 Apl. 92, to 13 Apl. 94, Medl. Cert. 21 Dec. 96 to 5 Jan. 97, Abs. 22 Jan. 98 to 10 Nov. 99, Furlo.
<i>Class III, from 19</i>						
33	1st LTAM 2d L TEL	.....	Ramsay Douglas Broadfoot, Bar- at-Law.	8 Sep. 80	27 Dec. 80	6 and 7 Aug. 84, Abs. 11 and 12 July 87, Abs. 3 May 89 to 26 Dec. 90, Furlo. 30 July to 29 Dec 98, Furlo.
34	1st L TEL 2d L H.S.	.....	Henry Moberly...	1 Sep. 80	7 Dec. 80	7 to 11 April 84, Abs. 22 Feb. 90 to 23 Nov. 91, Furlo. 19 Sep. 95 to 13 Mar. 96, Spl. leave. 22 Feb. 97 to 17 Nov. 98, Medl. Cert.

8	9	10	11	12
Actual Service up to 1st Jan 1903 from date of arrival.	Total Service up to 1st Jan 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
18 3 29	23 0 29	P 2,333 5 4 E A 200 0 0 P 2,533 5 4	Collr. and Magt. of the Dist., Tinnevely—1st Oct. 1901. —Ag. Collr. of Sea Customs and of the Madras Dist., Protector of Emigrants, Supt. of Stamps and Stationery and Chairman, Harbour Trust Bd.—1st Oct. 1901.—MADRAS.	Member of the Board of Exrs. Draws also L A of Rs. 400 as Chairman, Harbour Trust Bd.
19 4 9	23 1 14	P 2,500 0 0 T 50 0 0 P 2,550 0 0	Collr., Dist. Magt. and Govt. Agent, Tanjore—25th Oct. 1897.	On Priv. leave for 17 days, from 4th Dec. 1902 and Spl. leave for 5 months and 13 days.
21 0 14	23 1 14	P 2,333 5 4 T 50 0 0 P 2,383 5 4	Collr., Magt. and Govt. Agent, Godavari—23rd Dec. 1899.	On Priv. leave for 1 month and 22 days from 5th Nov. 1902, and Furlo. for 1 year, 10 months and 8 days.
19 2 25	23 0 29	P 2,333 5 4	Dist. and Sess. Judge, Chingleput—28th Mar. 1902.—CHINGLEPUT.	
<i>to the end of 23 years.</i>				
19 11 6	22 0 5	P 2,333 5 4	Dist. and Sess. Judge, S. Arcot—4th Jan. 1899.— CHIDRALORE.	
18 0 29	22 0 25	P 2,333 5 4	Dist. and Sess. Judge, Madura—23rd Dec. 1899.— MADURA.	Member of the Board of Exrs.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
35	1st LTAM 2d LTEL	.....	Bannatyne Mac- leod, M.A. (Bar- at-Law), Clare College, Cam- bridge.	4 Oct. 80	13 Dec. 80	30 Mar. to 28 Sep. 88, Spl. leave. 12 Aug. 92 to 9 June 94, Furlor. 3 and 4 Nov. 98, Abs. 24 Feb. 00, to 22 Feb. 01.
36	1st LTEL 2d LTAM	.....	John Hewatson, Balliol College, Oxford.	7 Oct. 80	13 Dec. 80	6 Feb. 89 to 1 Nov. 90, Furlor. 23 June to 16 Dec. 93, Spl. leave. 9 Apl. 98 to 6 Oct. 99, Furlor.
37	1st LTEL 2d LTAM	.....	William Steven- son Meyer, B.A., C.L.E., University College, Lon- don.	16 Sep. 81	25 Dec. 81	1 July 86, Abs. 1 Feb. 94 to 4 Nov. 95, Furlor. 16 May 01 to 12 May 02, Furlor.
38	1st L MAL 2d LTAM	.....	George Whitmore Dance, Trinity Hall, Cambridge.	27 Sep. 81	27 Nov. 81	1 July 86, Abs. 20 April 90 to 17 Oct. 91, Furlor. 19 Jan. 95 to 26 Jan. 96, Furlor. 7 May to 3 Nov. 98, Spl. leave. 26 Jan. 01 to 23 Jan. 02 Furlor.
39	1st LTEL 2d LTAM	.....	Harold Arthur Stuart, King's College, Cam- bridge.	12 Sep. 81	25 Nov. 81	6 Apl. 95 to 13 Mar. 96, Furlor. 25 Mar. 99 to Mar. 1900 Furlor.
40	1st LTAM 2d L TEL	.....	Alexander Gordon Cardew, M.A., Queen's College, Oxford.	13 Sep. 81	7 Dec. 82	5 Nov. 86 to 1 May 87, Medl. Cert. 23 Dec. 98, Abs. 16 Feb. 99 to 15 Nov. 00, Medl. Cert.

8	9	10	11	12
Actual Service up to 1st Jan. 1902 from date of arrival.	Total Service up to 1st Jan. 1902 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
v. n. d. 18 8 18	v. n. d. 22 0 19	Rs. a. p. P 2,333 5 4 T 50 0 0 2,383 5 4	Cdr. and Magt. of the Dist., Cuddapah—28th Mar. 1902—CUDDAPAH.	
18 4 1	22 0 19	P 2,333 5 4	Dist. and Sess. Judge, Tinne- vely—5th Oct. 1899.— PALAMCOTTAH.	Granted priv. leave for 3 months and furlor. for 4 months.
18 3 5	21 0 7	P 2,333 5 4 D.A. 500 0 0	Dist. and Sess. Judge, N. Malabar—5th Apl. 1901.	Editor of the Impl. Gazetteer for India and also Ag. Census Commr. for India.
17 1 0	21 1 4	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Chingleput—9th May 1901.—SALDAPEY.	
19 2 1	21 1 6	P 2,500 0 0 D.A. 250 0 0	Inspr. Genl. of Police.—31st Dec. 1901.	Fellow of the Madras University. On depn. as Secy. to Commission to en- quire into the Admn. of the Police in Bri- tish India.
17 9 26	20 0 25	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Madras—28th Nov. 1901.—MADRAS.	

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
41	1st LTel 2d L CAN	.....	Matthew Denny Bell, Christ Church, Oxford.	19 Sep. 81	25 Nov. 81	13 Jan. 91 to 5 Nov. 92, Furlo. 14 Dec. 95 to 11 Feb. 97, Furlo. 16 to 18 Oct. 00, Abs. 24 Feb. 02, Furlo. Leave expires, 23 Feb. 03.
...	1st LTAM 2d L MAL	.....	Kellakka Govila- gan Manavedan Raja, B.A., Madras Univy.	4 June 80	26 Aug. 82	27 Jan. to 15 Feb. 81, Lv. without Alice. 16 June 85 to 8 Jan. 86, Lv. without Alice. 16 to 27 Nov. 86, Lv. without Alice. 2 Dec. 95 to 20 May 96, Furlo.
42	1st LTAM 2d L Tel.	.....	David Doig Mur- doch, Univer- sity of Aber- deen and King's Coll., Cam- bridge.	18 Sep. 82	7 Dec. 82	10 Sep. 90 to 6 Dec. 91, Medl. Cert. 21 Mar. to 13 Sep. 93, Spl. leave. 28 Apl. 98 to 19 Oct. 99, Furlo.
43	1st LTAM 2d LTAM	UNYA. Special Test. High Profy.	William Ogilvie Horse, Trinity College, Oxford.	5 Oct. 82	7 Dec. 82	10 and 11 Oct. 91, Abs. 31 Mar. 94 to 27 Mar. 96, Furlo. 11 Apl. 01 to 27 Oct. 02, Furlo.
...	.....	.....	Muhammad Raza Khan, Khan Bahadur.	30 Nov. 82	30 Nov. 82	7 to 28 Sep. 86, Extra leave. 7 June 01 to 6 Feb. 02, Furlo.
44	1st LTAM 2d L Tel.	.....	Reginald Heber Shipley, Balliol College, Oxford.	27 Sep. 83	10 Dec. 83	11 Mar. 93 to 9 Mar. 95, Furlo. 16 May to 13 Nov. 96, Spl. leave. 13 Mar. to 14 Nov. 99, Furlo.
45	1st LTel 2d LTAM	.....	Leslie Creery Miller, Trinity College, Dublin.	6 Sep. 83	18 Nov. 83	12 and 13 Dec. 89, Abs. 2 Mar. 99 to 12 Mar. 00, Furlo.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival	Total Service Jan. 1903 date of arrival	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 17 3 2	y. m. d. 21 1 6	Rs. a. p. P 2,333 5 4 ARS. A. 1,166 10 8 Subject to a maxi- mum of £1,000 a year.	Dist. and Sess. Judge, Vizagapatam—3rd Jan. 1899.	On Priv. leave for 1 month and 10 days from 14th Jan. 1902 and Furlo. for 9 months from 24th Feb. 1902. <i>Enter</i> , for 3 months.
21 5 12	22 6 27	P 1,493 5 4	Dist. and Sess. Judge, N. Arcot—10th Mar. 1897.	On Priv. leave for 3 months from 23rd Oct. 1902.
16 10 12	20 0 25	P 2,333 5 4 T 50 0 0 2,833 5 4	Colt. and Magt. of the Dist., S. Canara—2nd Sep. 1900.—MANGALORE.	Member, Bd. of Exrs.
15 6 8	20 0 25	P 2,500 0 0 2,500 0 0	Colt., Dist. Magt. and Agent to the Govt., Viza- gapatam—22nd Mar. 1898. —Ag. Insp.-Genl. of Police—31st Oct. 1902— MADRAS.	
19 4 7	20 1 1	P 1,493 5 4 T 50 0 0 1,543 5 4	Colt. and Magt. of the Dist., Anantapur—7th Feb. 1902.—ANANTAPUR.	
15 10 14	19 0 12	P 2,333 5 4 T 50 0 0 2,383 5 4	Colt. and Magt. of the Dist., Trichinopoly—1st Aug. 1898.—TRICHINOPOLY.	Member of the Bd. of Exrs.
18 0 20	19 1 3	P 2,333 5 4	Dist. and Sess. Judge, Salem—6th Oct. 1900.— SALEM.	Granted Priv. leave for 1 month.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
46	1st L TEL 2d L TAM	.....	Edgar Alfred Elwin, Balliol College, Oxford.	7 Sep. 83	7 Nov. 83	5 Aug. 92 to 27 July 94, Medl. Cert.
...	2d L UBI	.....	Bernard Hough- ton, B.A., M.R.A.S., Trinity College, Dublin.	6 Oct. 84	23 Jan. 85	30 Apl. 93 to 19 Apl. 95, Furl. 19 Dec. 95 to 18 Dec. 96, Extra leave to China. 23 to 21 Dec. 96, Extra leave. 3 Oct. 01, Furl. Leave expires, 15 Dec. 02.
47	1st L TAM 2d L HIN	.....	Robert Morris M.A., University of Glasgow and University Col- lege, London.	16 Sep. 84	12 Jan. 85	17 Oct. 95 to 16 Oct. 97 Furl.
48	1st L TEL 2d L TEL	.....	Robert Bailey Clegg, Balliol College, Oxford.	11 Sep. 84	12 Jan. 85	2 Feb. 91 to 27 Jan. 92, Medl. Cert. 11 Nov. 93 to 11 Feb. 94, Spl. leave. 23 Mar. 96, to 22 Sep. 97, Medl. Cert. 23rd Sep. 97, Abs.
49	1st L TAM 2d L TEL	.....	Lionel Maling Wynch, B.A., Balliol College, Oxford.*	11 Sep. 84	7 Dec. 85	1 Mar. 96 to 5 Nov. 97, Furl. 20 June to 28 Nov. 01, Furl.
50	1st L TEL 2d L TAM	.....	Arthur Francis Pinhey, Trinity College, Oxford	15 Sep. 84	3 Nov. 84	22 Mar. 93 to 16 Dec. 94, Furl. 11 Nov. 99 to 29 Dec. 00, Furl.
CLASS IV, from 13 to the						
51	1st L TEL 2d L TAM	UNIV. Special Test.	Herbert Douglas Taylor, St. Peter's College, Cambridge.	13 Sep. 85	7 Dec. 85	28 to 31 Oct. 90, Abs. 18 Apl. to 12 Dec. 96, Furl. 1 July to 19 Oct. 99, Spl. Leave. 24 July 01, Furl.

* The appt. of Mr. L. M. Wynch to be Private Secy. to His Excellency, he will be entitled to oust the Junior permanent Collr. or Judge and to rank in Office in each grade concerned reverting to the next lower grade.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 17 2 1	y. m. d. 19 1 24	R. a. p. P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., S. Arcot.—17th Mar. 1901.—CHUDALORE.	Member, Bd. of Exrs.
13 8 15	17 11 9	2,383 5 4	Addl. Sess. Judge, Irrawady Dn. 13th Apl. 1901.	Permanently trans- ferred to Barma.— G.O., No. 21, Pub., dated 17th Jan. 1893. On Priv. leave for 1 month and 17 days from 16th Aug. 1901 and Furl. for 1 year and 2 months and 13 days from 3rd Oct. 1901.
15 11 20	17 11 20	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Kistna.—4th Jan. 1899.—MASULIPATAM.	Member, Bd. of Exrs.
14 2 21	17 11 20	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Salem.—28th Oct. 1900.—SALEM.	
14 11 11	17 0 25	P 1,500 0 0	Private Secy. to His Excel- lency the Right Hon. the Govr.—19th Mar. 1901.— MADRAS.	
15 3 12	18 1 28	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Malabar.—17th Mar. 1901.—CALICUT.	
end of 18 years.				
14 7 29	17 0 25	P 2,500 0 0 T 50 0 0 2,550 0 0	Collr., Dist. Magt. and Agent to the Govr., Ganjam.—1st Oct. 1901.—Ag. Collr., Dist. Magt. and Govt. Agent, Tanjore.—4th Dec. 1902.— TANJORE.	

is made on the condition that on his reversion from the Private Secretaryship at any time Collectors or Judges according to his seniority in the service, the Junior permanent

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
52	1st L. TEL. 2d L. TAM.	.....	Reginald Childers Calling Out, (Bar-at-Law), Trinity College, Oxford.	16 Sep. 85	7 Dec. 85	27 Dec. 91 to 24 Dec. 92, Medl. Cert. 16 Apl. 98 to 30 Oct. 99, Furl.
53	1st L. CAN. 2d L. TAM.	.....	Alan Bunterworth, Balliol College, Oxford.	28 Sep. 85	15 Dec. 85	2 May 95 to 31 Oct. 96, Furl. 28 Jan. 99 to 27 Jan. 00, Medl. Cert. 28 Jan. to 13 Dec. 00, Extra leave.
54	1st L. TAM. 2d L. TEL.	Tam. High Profy.	Richard Hamilton Campbell, Edinburgh Uni- versity.	30 Sep. 85	18 Dec. 85	20 to 22 Feb. 86, Abs. 17 Apl. 97 to 18 Jan. 99, Furl. 4 Mar. 02, Furl.
55	1st L. TEL. 2d L. TAM.	CAN. High Profy.	Donald William Garden Cove, M.A., (Bar- at-Law), Balliol College, Oxford.	27 Sep. 85	30 Nov. 85	18 and 19 Nov. 90, Abs. 14 Dec. 95 to 11 July 96, Furl. 15 June 01, Furl. Leave expires, 1 May 03.
56	1st L. TAM. 2d L. MAL.	.....	Henry Vonn Cobb, B.A., LL.B., Trin- ity College, Cam- bridge.	24 Sep. 85	18 Nov. 85	17 Apl. 97 to 15 Dec. 98, Furl.
...	1st L. TAM. 2d L. TEL.	.....	Tiruganur Muttu- swami Aiyar Sivaminatha Aiyar, B.A., Madras Univer- sity.	21 Dec. 83	27 Jan. 86	14 Aug. to 13 Dec. 90, Medl. Cert.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 14 6 11	y. m. d. 17 0 25	Rs. a. p. P 2,333 5 4 T 50 0 0 2,383 5 4 Rs. 10 a day.	Collr. and Magt. of the Dist., Bellary—31st Dec. 1901—On Spl. duty for 6 months—12th Aug. 1902— MADRAS.	Member of the Bd. of Exrs.
13 8 0	17 0 17	P 2,333 5 4 T 50 0 0 2,383 5 4	Collr. and Magt. of the Dist., Nellore—9th May 1901, —Nellore.	
14 5 11	17 0 14	P 2,333 5 4 AA 186 10 8 T 50 0 0 2,550 0 0	Collr. and Magt. of the Dist., N. Arcot—28th Nov. 1901.—Ag. Collr., Dist. Mgt. and Agent to the Govt., Vizagapatam.—12th Dec. 1902—VIZAGAPATAM.	Member of the Bd. of Exrs.
13 11 14	16 1 1	P 2,333 5 4 ABS A 970 12 4	Dist. and Sess. Judge, Kistna —18th Aug. 1902.	On Priv. leave for 1 month and 19 days, from 2nd May 1901, and Furl. for 1 year, 5 months and 15 days, from 15th June 1901.—Exten. up to 1st May 1903.
14 5 14	16 1 13	1,800 0 0 AA 200 0 0 SUMPTV. A 100 0 0 2,100 0 0	Pol. Agent, 1st Cl.—14th June 1901.—Offg. Resident, 2nd Class.—16th May 1902. —JAIPUR.	
13 8 12	19 0 11	P 1,153 0 0 AA 341 5 4 1,493 5 4	Dist. and Sess. Judge, Nel- lore—31st Dec. 1901.— Nellore.	2nd Gr. Judge Sub. pro tem. in the 1st Gr.

1	2	3	4	5	6	7
No.	Language passed.	Rewards in Language.	NAMES.	Commencement of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
57	1st L. TAM 2d L. TEL		James Walker, University of Aberdeen and Balliol College, Oxford.	14 Sep. 86	1 Dec. 86	17 July 91 to 30 Oct. 92, Medl. Cert. 12 and 13 Nov. 95, Abs. 26 June to 18 Sep. 96, Spl. leave. 26 Jan. 01 to 23 Jan. 02, Furlo. 13 Jan. 98 to 9 Jan. 99, Furlo.
58	1st L. TAM 2d L. TEL	Tam. High Profy.	Norman Somerville Brodie, M.A., Christ Church, Oxford. Herbert Olive Denman Hard- ing, J. P., Balliol College, Oxford.	13 Oct. 86	12 Dec. 87	16 Mar. 95 to 27 Nov. 96, Furlo. 23 June 97 to 14 July 97, Medl. Cert. 28 Nov. 01, Furlo. Leave expires, 11 June 03.
59	1st L. TEL 2d L. TAM		James Hume Munro, J.P., Emmanuel Col- lege, Cambridge.	15 Sep. 86	21 Nov. 86	10 Nov. 91 to 9 May 92, Spl. leave. 10 May to 6 Nov. 92, Extra leave. 29 Jan. to 27 July 93, Extra leave. 13 Mar. to 9 Dec. 93, Furlo. 20 to 23 Dec. 95, Abs. 1 July 02, Furlo. Leave expires, 30 Oct. 03.
60	1st L. TAM 2d L. TEL		John George Denman Part- ridge, Univer- sity College, London.	2 Oct. 86	15 Jan. 87	17 Mar. 91 to 6 Sep. 91, Spl. leave. 1 Aug. 95 to 31 Jan. 97, Furlo. 14 Nov. 99, Abs. 13 July 00, to 18 July 01, Furlo.
61	1st L. TAM 2d L. TEL		Tumalapalli Vena- kath, M.A., B.L., Madras Univer- sity.	24 July 85	17 Aug. 87	15 Jan. to 14 May 86, Medl. Cert. 3 Aug. 91 to 1 Feb. 92, Spl. leave. 17 Oct. to 7 Nov. 92, Extra leave. 17 Nov. 00 to 16 May 01, Spl. leave. Abs. 17 May 01.
61	1st L. MAL 2d L. TAM		John Kaya Batten, J.P., Oriel College, Oxford.	8 Sep. 87	29 Nov. 87	

* Vide note * in pages 26 and 27.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
13 6 21	16 1 0	₹ 1,800 0 0	Dy. Commr., 2nd Class, Central Provinces—1st Apl. 1900.	Permanently transfd. to Central Provinces.—G.O. No. 509A. Pub. dated 2nd Apl. 1898.
14 0 22	16 0 20	₹ 1,800 0 0 A A 466 10 8 2,266 10 8	+ Collr. and Magt. of the Dist., Kurnool—28th Mar. 1902.—Ag. Dist. and Sess. Judge, S. Malabar—24th Dec. 1901—CALICUT.	Member of the Bd. of Exrs. + 2nd Gr. Collr., Ag. in the 1st Gr.
13 2 17	16 0 24	₹ 1,166 10 8 T 35 0 0 1,201 10 8 ABS A. 972 3 6	Sub-Collr. and Joint Magt., 22nd Mar. 1898.	Magt., 1st Class. On Priv. leave for 1 month and 23 days from 5th Oct. 1901, and Furlo. for 1 year and 3 months, from 28th Nov. 1901.—Eaten. for 3 months and 15 days.
13 4 14	16 1 10	₹ 1,166 10 8 T 35 0 0 1,201 10 8 ABS A. 969 8 7	Sub-Collr. and Joint Magt.—9th Dec. 1898.	Magt., 1st Class. On Priv. leave for 2 months and 16 days from 15th Apl. 1902, and Furlo. for 1 year and 4 months, from 1st July 1902.
12 11 23	15 11 17	₹ 1,166 10 8 A A 888 14 3 T 50 0 0 2,105 8 11	Sub-Collr. and Joint Magt.—23th May 1898.—Ag. Collr., Dist. Magt., and Agent to the Govr., Ganjam—28th July 1901.—CHATRAPUR.	
16 10 16	17 5 8	₹ 650 0 0	Sub-Judge, 2nd Gr., Bellary and Salem—13th Mar. 1899.—CHITTOOR.	Magt., 1st Class. Holds sittings at Chittoor from 30th June 1902.
14 7 1	15 1 2	₹ 1,823 5 4 A A 611 1 9 2,444 7 1	Civil and Sess. Judge, Hyderabad Assigned Dist.—1st Feb. 1900.—Ag. Jndl. Commr., Hyderabad Assigned Dist.—22nd May 1901.—AMROTI.	

1	2	3	4	5	6	7
No.	Lan- guages passed	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
62	1st L Tel. 2d L Ua	.....	Walter Henry Michael, Balliol College, Oxford.	9 Sep. 87	5 Dec. 87	1 to 4 Nov. 92, Abs. 20 to 23 Jan. 98, Abs. 18 Nov. 99 to 25 Apl. 01, Furlor.
63	1st L Tel. 2d L Ua	.....	Graham Warbur- ton, Elphinstone, J.P., Trinity Coll., Cambridge	19 Sep. 87	19 Nov. 97	18 Nov. 97 to 10 Nov. 99, Furlor. 24 June 01 to 23 June 02, Medl. Cert. 24 June 02, Extra leave. Leave expires, 4 Jan. 03.
64	1st L Tel. 2d L TAM	.....	Ernest Llewellyn Vaughan, Emmanuel Col- lege, Cambridge.	16 Sep. 87	15 Nov. 87	20 Mar. to 17 Nov. 94, Medl. Cert. 19 Nov. 98 to 2 Nov. 99, Furlor.
65	1st L TAM 2d L Tel	.....	Llewellyn Eddi- son Buckley, J. P., New College, Oxford.	19 Sep. 87	17 Nov. 97	7 May to 5 Nov. 92, Medl. Cert. 15 Nov. 99 to 10 Nov. 00.
66	1st L TAM L T&E	.....	John Arthur Cumming, Aberdeen Uni- versity and Bal- liol College, Ox- ford.	12 Oct. 87	16 Dec. 87	28 Dec. 95 to 27 July 97, Furlor.
67	1st L TAM 2d L HIN	.....	Osmond Vician Bosanquet, New College, Oxford.	17 Sep. 87	17 Nov. 87	4 and 5 July 91, Abs. 5 Sep. 01, Furlor.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
13 7 11	15 0 27	P 1,500 0 0 A A 500 0 0 L A 250 0 0 2,250 0 0	Enrolled Officer, Class I.—29th Apl. 1901.—Offg. Accot. Genl. 3rd class, Bengal— 17th Oct. 1901.—CALCUTTA.	
11 7 6	15 1 12			Magt., 1st Class. On Priv. leave for 1 month and 18 days, from 6th May 1901, and Furlor. for 9 months from 24th June 1901.— <i>Exten.</i> of Furlor. on Medl. Cert. for 3 months and Extra leave on Medl. Cert. without pay for 5 months and 6 weeks.
13 6 2	15 1 16	P 1,166 10 8 A A 777 12 5 r 50 0 0 1,994 7 1	Sub-Collr. and Joint Magt. —13th Nov. 1899.—Ag. Collr. and Magt. of the Dist. N. Arcot—6th June 1901.—CHITTOOR.	
13 7 18	15 1 14	P 1,166 10 8 A A 777 12 5 r 50 0 0 1,994 7 1	Sub-Collr. and Joint Magt. —2nd Sep. 1900.— Ag. Collr. and Magt. of the Dist. Tinnevely— 7th Dec. 1900.—TINNE- VELLY RAILWAY STATION.	Granted Priv. leave for 15 days.
13 5 16	15 0 16	P 1,166 10 8 A A 777 12 5 r 50 0 0 1,994 7 1	Sub-Collr. and Joint Magt. —23rd Dec. 1899.—Ag. Collr. Dist. Magt. and Govt. Agent, Godavari—5th May 1902.—COCANADA.	
13 9 16	15 1 14	P 1,500 0 0	Pol. Agent, 2nd Class—1st Apl. 1900.	

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
68	1st L Tel 2d L Tam	.....	Arthur Trevor Parson, Christ's College, Cambridge.	18 Oct. 87	29 Nov. 87	30 Mar. 90 to 29 Mar. 91, Medl. Cert. 30 Mar. 91 to 23 Nov. 91, Extra leave. 1 July 02, Furlo. Leave expires, 31 Oct. 03.
69	1st L Tel. 2d L Tam	.....	Edwin Scott, University Col- lege, London.	18 Oct. 86	15 Jan. 87	11 Nov. 94 to 23 Oct. 95, Medl. Cert.
70	1st L Tam 2d L Tel	SANS. High Profy.	Lionel Davidson, J.P., B.A., Balliol College, Oxford.	1 Sep. 88	2 Dec. 89	7 Apl. 00 to 8 Nov. 01, Furlo.
71	1st L Tam 2d L Tel	.....	William Bock Aylmer, Mag- dalene College, Cambridge.	18 Oct. 88	30 Jan. 89	13 July 94 to 12 Jan. 95, Spl. leave. 13 to 15 Jan. 95, Leave without Allee. 23 Mar. 99 to 26 Oct. 00, Furlo. 17 Nov. 02, Medl. Cert. Leave expires, 16 Sep. 03.
72	1st L Tel 2d L Tam	.....	Francis Cotton Parson, J.P., Trinity College, Cambridge.	18 Oct. 88	30 Jan. 89	25 to 29 Mar. 93, Abs. 8 to 20 Jan. 94, Medl. Cert. 11 July 01, Furlo. Leave expires, 28th May 03.
73	1st L Tel 2d L Tam	.....	Herbert Francis Webb Gillman, Emmanuel College, Cam- bridge.*	31 Aug. 88	1 Dec. 88	9 and 10 Nov. 92, Abs. 5 April 01 to 24 Apl. 02, Furlo.

* Mr. H. F. W. Gillman holds the apptt. of Collr. of the Vizianagram Zamindari in Council may oust the Jun'r permanent Sub-Collr. and Joint Magt. and rank Mr. M. G. O., No. 207 Pub., dated 3rd March 1902.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
12 11 7	15 1 2	P 1,600 0 0 H R 125 0 0 1,725 0 0	Post-Master Genl., Madras— 14th May 1901.	On Priv. leave for 3 months from 1st Apl. 1902 and Furlo. for 16 months, from 1st July 1902.
14 11 4	15 11 27	P 1,166 10 8 AA 777 12 5 T 59 0 0 1,994 7 1	Sub-Collr. and Joint Magt., 15th May 1898. Ag. Collr. and Magt. of the Dist. Kurnool—8th Feb. 1902.	On Priv. leave for 3 months from 4th Nov. 1902 and Furlo. for 9 months.
11 5 8	13 0 10	P 1,620 0 0 AA 180 0 0 1,800 0 0	Secy. to the Comms. of Land Rev.—8th Jan. 1900. —Ag. Commr. of Coorg— Apl. 1902.	
11 8 10	13 11 2	P 1,166 10 8 T 35 0 0 1,201 10 8	Sub-Collr. and Joint Magt.— 29th Apl. 1901.	On Priv. leave for 2 months from 17th Sep. 02, and Furlo. on Medl. Cert. for 10 months from 17th Nov. 1902.
12 4 23	13 11 2	P 1,166 10 8 T 35 0 0 1,201 10 8 ABSA 700 8 1	Sub-Collr. and Joint Magt. —18th Aug. 1902.	Magt., 1st Class. On Priv. Leave for 1 month and 12 days, from 29th May 01, and Furlo. for 1 year, 6 months and 18 days, from 11th July 1901.—Eten. for 3 months.
13 0 8	14 1 0	P 2,000 0 0	Collr. of the Vizianagram, Zamindari—26th Aug. 1898.	

subject to the condition that on his reversion from that apptt. at any time, the Govr. Gillman in the list of Sub-Collrs. and Joint Magts. according to his seniority in the service—

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
74	1st L TAM 2d L TEL		William Elliot Jardine, Trinity College, Cambridge.	5 Sep. 88	20 Feb. 89	89 5 to 8 Aug. 93, Abs. 13 to 22 Dec. 96, Abs. 3 June 01, Furlo.
75	1st L CAN 2d L TAM		Andrew Mure Slight, Balliol College, Oxford.	2 Sep. 89	13 Nov. 89	23 Mar. 00 to 21 Oct. 01, Furlo. 23 Sep. 02, Medl. Cert. Leave expires, 22 Jan. 03.
76	1st L TAM 2d L MAL		John Herbert Robertson, Balliol College, Ox- ford.	28 Aug. 89	29 Nov. 89	8 Jan. 94 to 2 Nov. 95 Medl. Cert.
77	1st L TAM 2d L TEL		James Perch Bedford, Balliol College, Oxford.	27 Sep. 89	14 Dec. 89	23 Nov. 91 to 20 Nov. 92, Medl. Cert. 15 Dec. 00 to 14 Dec. 01, Furlo.
78	1st L TAM 2d L HIN		Atul Chunder Dutt, Christ's College, Cam- bridge.	17 Oct. 89	14 Jan. 90	19 Nov. 92 to 22 Aug. 93, Medl. Cert. 24 July 94 to 21 Jan. 96, Medl. Cert. 19 Apl. to 12 Oct. 00, Furlo. 14 May 02, Medl. Cert. Leave expires, 23 Apl. 03
...	1st L TAM 2d L TEL		Perrampur Raja- gopala Chariyer, M.A., B.L., Mad- ras University	18 Feb. 88	2 May 90	13 Oct. 01 to 8 Aug. 02, Medl. Cert.

* Vide Note * in pages 26 and 27.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service up to 1st Jan. 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
12 3 2	13 10 9	£ 1,200 0 0	Pol. Agent, 3rd Class—3rd Apl. 1901.	
11 3 12	13 1 19	£ 1,166 10 8 T 35 0 0 1,201 10 8	Sub-Collr. and Joint Magt. —29th July 1901.	On Furlo. on Medl. Cert. for 4 months from 23rd Sep. 1902.
11 3 6	13 1 2	£ 1,166 10 8 A A 777 12 5 1,944 7 1	Sub-Collr. and Joint Magt.—28th Nov. 1901.— Ag. Dist. and Sess. Judge, Kistna—4th June 1902.	On Priv. leave for 2 months and 18 days from 27th Nov. 1902 and Furlo. for 10 months and 16 days.
11 0 20	13 0 18	£ 1,166 10 8 A A 777 12 5 1,944 7 1	Sub-Collr. and Joint Magt. —31st Dec. 1901.—Ag. Dist. and Sess. Judge, Vizagapatam—28th Apl. 1902.—VIZAGAPATAM.	
10 6 2	12 11 18	£ 785 5 4 T 35 0 0 803 5 4 A A A 520 14 1 Subject to a mini- mum of £500 a year. £ 746 10 8 A A 497 12 5 1,244 7 1	Head Asst. Collr. and Magt.— 16th Dec. 1898.	Magt., 1st Class. On Priv. leave for 20 days from 24th Apl. 1902, and Furlo. on Medl. Cert. for 11 months and 10 days, from 14th May 1902.
14 0 20	14 10 12		Sub-Collr. and Joint Magt. —28th Mar. 1902.—Ag. Collr. and Magt. of the Dist., Kurnool.—4th Nov. 1902.—KURNOL.	

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
79	1st L Tel. 2d L Tam	SANS. High Profy.	Vengul Vengopal Chetti, B.A., Madras University & Christ's College, Cambridge.	8 Sep. 90	21 Nov. 90	.....
80	1st L Tel. 2d L Tam	URITA Spl. Test	Ernest Barnes Elwin, Balliol College, Oxford.	16 Sep. 90	5 Jan. 91	16 Mar. 99 to 13 Sep. 00, Furlo.
81	1st L Tel. 2d L Tam	.....	Charles Gordon Spencer, Keble College, Oxford.	28 Aug. 90	26 Nov. 90	17 Nov. 91 to 16 Nov. 92, Medl. Cert. 17 to 20 Nov. 92, Extra leave. 18 to 21 Aug. 99, Abs.
82	1st L Tam 2d L Tel.	.....	Walter Francis Corpus Christi College, Oxford.	28 Aug. 90	11 Nov. 90	7 Oct. 97 to 6 Dec. 98, Medl. Cert. 7 to 9 Dec. 98, Extra leave.
83	1st L Tam 2d L Tel.	.....	Charles George Todhunter, King's College, Cambridge.	1 Sep. 90	26 Nov. 90	12 Dec. 01, Furlo.
84	1st L Tel. 2d L Tel.	.....	William Watkins Phillips, New College, Oxford.	9 Sep. 90	25 Nov. 90	8 Dec. 94 to 23 Oct. 95, Medl. Cert. 6 Apl. 02, Furlo. Leave expires, 5 Feb. 03.

§ Vide Note * in pages 34 and 35.

8	9	10	11	12
Actual Service up to 1st Jan. 1903, from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
12 1 10	12 1 10	P 1166 10 8 A A 777 12 5 1,944 7 1	Sub-Collr. and Joint Magt. —19th May 1902—Ag. Dist. and Sess. Judge, Kistna.— 27th Nov. 1902.—MASULI- PATAM.	
10 5 28	11 11 27	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —2nd Nov. 1896.	To act as Dist. and Sess. Judge, Kar- nool.
11 0 27	12 1 5	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —15th Nov. 1896—Ag. Dist. and Sess. Judge.	riv. leave for 3 months from 7th Oct. 1902 and Furlo. for 1 year.
10 11 17	12 1 20	P 1,000 0 0 A A 500 0 0 D A 400 0 0 2,000 0 0	Under Secy. to Govt., Rev. Dept.—7th Dec. 1898. (Seconded) Editor of the Gazetteer, Madras, for 1 year.—1st June 1902.— OOTACAMUND.	
11 0 15	12 1 5	P 1,620 0 0	Secy. to the Commr. of Salt, Abkari and Sep. Rev.—28th Oct. 1900.	
10 5 25	12 1 6	P 768 5 4 T 35 0 0 803 5 4 ABS A 597 8 2 Subject to a mini- mum of £ 500 a year.	Head Asst. Collr. and Magt.— 13th July 1897.	On Priv. leave for 1 month and 1 day, from 5th Mar. 1902, and Furlo. to Europe for 8 months and 25 days, from 6th Apl. 1902—Exten. up to 5th Feb. 1903.

INDIAN AND STATUTORY CIVIL SERVANTS

[PART III,

CIVIL.]

ON THE MADRAS ESTABLISHMENT.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
85	1st L TEL 2d L. Un. Spl. Test.	URIVA	Percival Stanley Pitonam Esq. New College Oxford.	2 Oct. 90	8 Dec. 90	4 Apl. 99 to 3 Sep. 00, Furlor.
86	1st L TEL 2d L TAM		Francis DuPre Oldfield, Trinity College, Cam- bridge.	10 Sep. 90	11 Nov. 90	10 to 13 June 98, Abs. 14 May 00 to 16th Nov. 01, Furlor.
87	1st L T 2d L		Matthew Joseph Murphy, J. P. Royal University of Ireland and Trinity College, Dublin.	9 Oct. 91	21 Dec. 91	23 Oct. 95, Abs. 7 Oct. 02, Furlor. Leave expires, 6 July 03.
88	1st L TAM 2d L T & S		Ragnald Fearns Grimley, Balliol College, Oxford.	18 Sep. 91	9 Nov. 91	18 Jan. to 17 July 96, Spl. leave. 18 July 96, Abs. 14 Jan. 99 to 29th June 00, Furlor.
89	1st L MAL 2d L TAM		Arthur Rowland Knapp, Christi Church, Oxford.	7 Sep. 91	20 Nov. 91	27 Oct. 94 to 26 Oct. 95, Medl. Cert. 27 Oct. 95 to 22 Oct. 96, Extra leave.
...	1st L TAM 2d L TEL		Francis Samuel Alfred Slocock, J.P., Trinity College, Oxford.	28 Sep. 91	10 Dec. 91	1 Feb. 02, Furlor. Leave expires, 30 Nov. 02.

Class V,

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service up to 1st Jan. 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
10 7 24	12 0 24	P 768 5 4 A A 1043 5 4 T 50 0 0 1,861 10 8	Head Asst. Collr. and Magt. —16th July 1897.—Ag. Collr. and Magt. of the Dist., Bellary, 5th Aug 1902.—BELLARY.	
10 7 12	12 1 20	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —10th Nov. 1897.—Ag. Dist. and Sess Judge, Tan- jore.—7th Nov. 1902.— TANJORE.	
under 12 years.				
10 8 15	11 0 11	P 768 5 4 T 35 0 0 803 5 4 ABS A 593 14 3	Head Asst. Collr. and Magt. —26th Feb. 1893.	Magt., 1st Class. On Priv. leave for 3 months, from 7th July 1902, and Furlor. for 9 months, from 7th Oct. 1902.
9 2 4	11 1 22	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —4th July 1900.—Ag. Dist. and Sess Judge, Trichino- poly.—27th July 02.— TRICHINOPOLY.	
9 1 15	11 1 11	P 1,650 0 0 D A 10 0 0 a day.	Under Secy. to Govt. in the Depts. under the Chief Secy.—1st Feb. 1899.— MADRAS.	On Spl. duty as Officer in charge of the Madras Provl. Camp at Delhi—26th Oct. 1902. Services are also placed at the dis- posal of the G. of L, Foreign Dept. Permanently trans- ferred to Central Provinces. On Furlor. for 10 months, from 1st Feb. 1902.
10 1 22	11 0 22	P 1,500 0 0 A A 300 0 0 1,800 0 0	Dy. Commr, 3rd Cl.—Gen- tral Provinces—1st July 1900.—Offg. Dy. Commr., 2nd Cl.—8th Mar. 1901.	

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	Names.	Commence- ment of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
90	1st L CAN 2d L TAM		Robert Arthur Graham, J.P., Brasenose College, Oxford.	23 Sep. 91	11 Nov. 91	
91	1st L TEL 2d L TAM		Alexander Lidd- dale Hannay, King's College, Cambridge.	19 Sep. 91	5 Dec. 91	31 Jan. 97 to 27 Jan. 98, Medl. Cert.
92	1st L TEL 2d L TAM	Univa. Spl Test	Edward Labou- chere Ruthven Thornton, King's College, Cambridge.	21 Sep. 91	5 Dec. 91	11 Feb. to 10 Aug. 99, Spl. leave. 11 Aug. 99, Abs.
93	1st L TAM 2d L TEL		Alexander Robert- son Cumming, Aberdeen Uni- versity and Balliol College, Oxford.	14 Sep. 92	18 Dec. 92	10 Sep. 97 to 8 Sep. 98, Medl. Cert.
94	1st L TAM 2d L TEL		Lewis Green- ville Moore, Worcester College, Oxford.	21 Sep. 92	12 Dec. 92	3 Feb. 93, Abs. 14 to 17 Aug. 96, Abs. 29 Nov. to 1 Dec. 99, Abs. 19 Jan. 01 to 15 Oct. 02, Furlo.
95	1st L TAM 2d L TEL		Mahimohun Ghose, Balliol College, Oxford.	8 Sep. 92	11 Feb. 93	13 & 14 Jan. 97, Abs. 23 Nov. 97 to 22 Dec. 98, Medl. Cert. 23 Dec. 98 to 2 Jan. 99, Abs.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. c. p.		
11 1 20	11 1 20	P 1,260 0 0	Dy. Commr. of Salt, Abkuri and Customs Dept.—28th Oct. 1900.	To act as Dist. and Sess. Judge, S. Canara.
10 0 29	11 0 27	P 1,730 0 0	Regn. of the High Court of Judicature—17th Feb. 1898.—MADRAS.	
10 6 26	11 0 27	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —19th Dec. 1898.—Ag. Dist. and Sess. Judge, Godavari.—1st Oct. 1902. —RAJAHMUNDRY.	
9 0 15	10 0 14	P 768 5 4 A A 527 12 5 1,296 1 9	Head Asst. Collr. and Magt. —4th Jan. 1899.—Ag. Secy. to the Commrs. of Land Rev.—4th Apl. 1902. —MADRAS.	Member of the Equita- tion Bd.
8 3 14	10 0 20	P 768 5 4 A A 1,043 5 4 1,811 10 8	Head Asst. Collr. and Magt. —3rd Jan. 1899.—Ag. Dist. and Sess. Judge, S. Canara.—22nd Oct. 1902.—MANGALORE.	Posted to Negapatam Dn.
8 9 5	9 10 18	P 768 5 4 A A 265 8 11 1 35 0 0 1,068 14 3	Head Asst. Collr. and Magt. —1st Feb. 1899.—Ag. Sub- Collr. and Joint Magt. and Spl. Asst. Agent.—BAN- HAMPUR.	Magt., 1st Class. Addl. Sess. Judge for the trial of such cases as may arise within the Agency tracts in Ganjam.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence and if now on leave, date of expiry of leave.
96	1st LTAM 2d LTEL		Stewart William Graham, J.P., Emmanuel College, Cam- bridge.	20 Oct. 92	20 Dec. 92	14 Oct. 93 to 7 Apl. 94, Spl. leave. 24 Oct. 01, Furlo. Leave expires, 23 Apl. 03.
97	1st LTAM 2d LTAM		Matthew Young, J.P., Trinity College, Cam- bridge.	3 Oct. 92	25 Nov. 92	13 Oct. 96 to 8 Oct. 97, Medl. Cert. 18 Jan. 27 Oct. 02, Furlo.
98	1st LTAM 2d LTAM		John William Hughes, Clare College, Cam- bridge.	16 Sep. 92	25 Nov. 92	2 July. 01 to 13 Mar. 02, Furlo.
99	1st LTAM 2d L CAN		Julian James Cot- ton, B.A., Corpus Christi College, Oxford.	18 Nov. 93	24 Dec. 93	8 Dec. 94 to 7 Dec. 95, Medl. Cert. 8 to 20 Dec. 95, Extra leave. 24 Nov. 01 to 18 Mar. 02, Spl. leave.
100	1st L MAL 2d L TAM		James Thomas Gillespie, B.A., Royal Univer- sity of Ireland and Emmanuel College, Cam- bridge.	27 Oct. 93	21 Dec. 93	20th July, 02, Furlo. Leave expires, 19th July, 03.
101	1st L CAN 2d L TAM		Malcolm Edward Couchman, B.A., Christ Church, Oxford.	28 Oct. 93	7 Dec. 93	13 Sep. 95 to 13 Mar. 96, Spl. leave. 13 Mar. to 5 Sep. 96, Extra leave.

§ Mr. Couchman's place in the Gradation List shall be taken to be that of a permanent appt. will be taken to be that of a Head Asst. Collr., his ag. post being

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service up to 1st Jan. 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
8 4 9	10 0 12	P 768 5 4 T 35 0 0	Head Asst. Collr. and Magt. —23rd Dec. 1893.	Magt., 1st Class. On Priv. leave for 1 month and 8 days, from 15th Sep. 1901, and Furlo. for 18 months, from 24th Oct. 1901.
		808 5 4 A S A 495 13 0 Subject to a mini- mum of £ 500 a year.		
8 3 29	10 1 6	P 768 5 4 A A 265 9 11 T 35 0 0	Head Asst. Collr. and Magt. —21st Feb. 1900.—Ag. Spl. Collr. and Joint Magt. —Dindigul.	Magt., 1st Class. To act as Dist. and Sess. Judge, Salem.
		1,068 14 3		
9 4 24	10 1 6	P 768 5 4 A A 687 12 5	Head Asst. Collr. and Magt. —23rd Jan. 1900.—Ag. Dist. and Sess. Judge, Kurnool—4th Aug. 1902. —Kurnool.	Ag. 2nd Gr. Judge. Posted to Nandyal Dn.
		1,455 1 9		
7 7 29	9 0 8	P 768 5 4 A A 687 12 5	Head Asst. Collr. and Magt. —2nd Sep. 1900.—Ag. Dist. and Sess. Judge, N. Arcot —24th Oct. 1902.—CHR- TOOT.	Ag. 2nd Gr. Judge. Posted to Ranipettai Dn.
		1,455 1 9		
8 6 29	9 0 11	P 1,000 0 0 A S A 452 13 1 Subject to a mini- mum of £500 a year.	Dy. Regn., High Court, Appl. Side—13th June 1897	On Furlo. to Europe for 1 year, from 20th July 1902.
8 1 1	9 0 25	P 768 5 4 A A 265 8 11 A 150 0 0 T 35 0 0	Spl. Sett. Officer, S. Can- ara, and Spl. Asst. to the Collr. of that Dist.—17th May 1901.	Magt., 1st Class.
		1,218 14 3		

permanent Asst. Collr., acting as Head Asst. Collr.; but if all the Officers above him with promotion do not occupy lower posts than Ag. Sub-Collr. and if an Officer Junior to him is If and when any Officer below him is promoted to a permanent Head Assistantship, his regulated as above.

1	2	3	4	5	6	7
No.	Lang- guages passed.	Reward in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
102	1st LTEL 2d L TAM	.....	William Lys, B.A., J.P., Brasenose College, Oxford.	27 Oct. 93	10 Dec. 93	26 Jan. 01 to 23 Oct. 02, Medl. Cert.
103	1st L TAM 2d L TEL	.....	Norman Edward Marjoribanks, Royal Univer- sity of Ireland (Queen's Coll., Belfast) and Trinity Hall, Cambridge.	2 Sep. 93	29 Oct. 93	.....
104	1st L TAM 2d L MAL	.....	Arthur Lionel Vibert, J.P., Emmanuel Col- lege, Cam- bridge.	3 Oct. 93	8 Nov. 93	14 Nov. 1900 to 15 May 1901, Spl. leave.
105	1st L TEL 2d L TAM	.....	Leonard Tatham Harris, J.P., New College, Oxford.	3 Oct. 93	10 Dec. 93	13 to 17 Oct. 98, Abs. 4 June, 29 Aug. 02, Furl.
106	1st L TAM 2d L TEL	.....	Sydney Gordon Roberts, J.P., Pembroke Col- lege, Cambridge §§	23 Sep. 93	27 Nov. 93	10 Sep. 97 to 4 Mar. 98, Medl. Cert. 11 June 00 to 4 June 01, Medl. Cert.

§§ Vide note * in pages 188 and 189 and 195 and 197.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
7 3 24	9 0 22	P 768 5 4 T 35 0 0 803 5 4	Head Asst. Collr. and Magt. —28th Nov. 1901.—RAJAH- MUNDEY.	Magt., 1st Class.
9 2 3	9 2 3	P 1,000 0 0 AA 50 0 0 1,050 0 0	Under Secy. to Govt., Rev. Dept.,—19th Dec. 1900.— Ag. Under Secy. to Govt. in the Depts. under the Chief Secy.—26th Oct. 1902.—MADRAS.	
8 7 21	9 1 23	P 768 5 4 AA 265 8 11 T 35 0 0 1,068 14 3	Head Asst. Collr. and Magt. —31st Dec. 1901—Ag. Sub- Collr. and Joint Magt.— KUMBakonam.	Magt., 1st Class. Granted Priv. leave for 9 days.
8 9 21	9 0 22	P 768 5 4 AA 265 8 11 T 35 0 0 1,068 14 3	Head Asst. Collr. and Magt. —4th Sep. 1902.—Ag. Sub- Collr. and Joint Magt.— GUNTUR.	Magt., 1st Class.
7 7 16	9 1 4	P 768 5 4 AA 265 8 11 T 35 0 0 1,068 14 3	Head Asst. Collr. and Magt. —1st Jan. 1902—Ag. Sub- Collr. and Joint Magt.— VELLORE.	Magt., 1st Class.

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
107	1st LTAM 2d LT.L	.....	Neil Macmichael, B.A., J.P., Edin- burgh Univ. and Balliol Coll., Oxford. §	1 Nov. 94	2 Dec. 94	11 & 12 June 98, Abs.
108	1st LTAM 2d LTAM	.....	Robert Frederick Austin, B.A., J. R. University Coll., Oxford. § §	1 Nov. 94	23 Dec. 94	.....
109	1st LTAM 2d LTAM	.....	John Gunn Burn, B.A., LL.B., St. John's Coll., Cambridge.*	2 Nov. 94	24 Dec. 94	.....
110	1st LTAM 2d LTAM	.....	Ernest Sampson Lloyd, B.A., J.P., Lincoln Coll., Oxford.	7 Nov. 94	21 Dec. 94	11 & 12 June 98, Abs. 13 to 23 July 99, Abs.
111	1st LTAM 2d LTAM	.....	Arthur Thompson, B.A., J.P., Queen's Coll., Oxford.	6 Nov. 94	21 Dec. 94	17 Nov. 00, Medl. Cert. Leave expires, 16 May 03.

§ Mr. Macmichael's position in the graduation list will be regulated by the same rule
 * Mr. Burn's position will be regulated by the same rule as is prescribed for
 § § Vide note in pages 189 and 189 and 197 and 198.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
8 0 28	8 1 0	P 768 5 4 A A 265 8 11 A 150 0 0 T 35 0 0 1,218 14 3	Spl. Sett. Officer, Malabar, and Spl. Asst. to the Collr. of that Dist.—29th May 1901.	Magt., 1st Class. Member, Bd. of Exrs.
8 0 9	8 0 9	P 768 5 4 A A 265 8 11 T 35 0 0 1,068 14 3	Head Asst. Collr. and Magt. —19th May 1902.—Ag. Sub-Collr. and Joint Magt. —PALGHAT.	Magt., 1st Class.
8 0 8	8 0 8	P 350 0 0 A A 404 7 1 A 100 0 0 T 35 0 0 1,099 7 1	Spl. Sett. Officer, Salem, and Spl. Asst. Collr. of that Dist. for 11½ months— 15th Apl. 1902.	Magt., 1st Class.
8 0 3	8 0 11	P 1,000 0 0	Dist. Magt. and Collr. of the Civil and Mil. Station, Bangalore—4th Sep. 1902. —BANGALORE.	
5 10 27	8 0 11	P 560 0 0 T 11 1 9 571 1 9 ABS A 397 9 5 Subject to a mini- mum of £500 a year.	Asst. Collr. and Magt.—24th Jan. 1895.	Magt., 1st Class. On Furl. on Medl. Cert. to Europe for 1 year, from 17th Nov. 1900.—Eaten, for 1 year and 6 months.

as is prescribed for Mr. M. E. Couchman (pages 206 and 207 of the Civil List).
 Mr. M. E. Couchman (vide pages 206 and 207 of the Civil List).

1	2	3	4	5	6	7
No.	Lan. guages passed.	Rewards in Lan. guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
112	1st L TAM 2d L TEL	.....	Arthur Edgington, B.A., J. P., New Coll., Oxford.	2 Nov. 94	21 Dec. 94	11 and 12 June 98, Abs.
113	1st L UMI 2d L TEL	Uniyb Spl. Test. Khond Coll. Test.	Francis Arthur Coleridge, J.P., University Coll., London.	2 Nov. 94	5 Dec. 94	3 May to 1 Nov. 1900, Spl. leave.
114	1st L TAM 2d L TEL	.....	Pirozeshah Ker- shaap, B.A., Bombay Univer- sity and New Coll., Oxford.	31 Oct. 95	20 Dec. 95	.....
115	1st L TAM 2d L TEL	.....	John Forbes Bry- ant, M.A., F.R.S., Clare College, Cambridge.	30 Oct. 95	16 Dec. 95	.....
116	1st L TEL 2d L TAM	.....	Richard Board- man Wood, B.A., Hertford Coll., Oxford	29 Oct. 95	6 Dec. 95	24 Aug. 1901 to 9 Jan. 1902, Spl. leave.
117	1st L CAN 2d L TAM	.....	Percy Abbey Booby, B.A., Trinity Coll., Cambridge.	31 Oct. 95	16 Dec. 95	27 May to 28 Nov. 99, Spl. leave.

8	9	10	11	12
Actual Service up to 1st Jan. 1903. from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
7 11 9	8 0 11	P 560 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr. and Magt.—24th Jan. 1895.—Ag. Sub-Collr. and Joint Magt.—TENT- CHERRY.	Magt., 1st Class. Granted Priv. leave for 3 months and Furlo. for 9 months.
7 6 27	8 0 27	P 560 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr., and Magt.—21st Jan. 1895.—Ag. Sub-Collr. and Joint Magt.—MARANA- PALLE.	Magt., 1st Class.
7 0 12	7 0 12	P 560 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr. and Magt.—26th Jan. 1896.—Ag. Sub-Collr. and Joint Magt.—COONDA- POOR.	Magt., 1st Class.
7 0 16	7 0 16	P 560 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr. and Magt.—24th Jan. 1896.—Ag. Sub-Collr. and Joint Magt.—NARSA- PATNAM.	Addl. Sess. Judge in the Vizagapatam (Agency) Sess. Dn.
6 8 9	7 0 26	P 560 0 0 A A 226 10 8 T A 125 0 0 T 30 0 0 941 10 8	Asst. Collr. and Magt.—16th Jan. 1896.—Ag. 1st Asst., Kaira Dist.	Magt., 1st Class. Retention of his ser- vices in Bombay up to 31st Dec. 1902 sanctioned. Posted to the Chicacole Dn.
6 6 18	7 0 16	P 800 0 0	First Asst. Commr. and Dist. Magt., Coorg—3rd Apl. 1901.	Magt., 1st Class.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
118	1st L TEL 2d L TAM	.....	Albion Rajkumar Banerji, M.A., Calcutta Uni- versity and Balliol College, Oxford.	28 Oct. 95	19 Dec. 95	3 Mar. to 2 Sep. 98. Spl. leave.
119	1st L TEL 2d L TAM	.....	Robert William D'Estcourt Ashe, J.P., Royal University, Ire- land, and Univ. of Dublin.	8 Nov. 95	4 Dec. 95	28 Mar. to 21 Nov. 02. Medl. Cert.
120	1st L TEL 2nd L UHIYA.	Uriya, Spl. Test. High Profy.	John Samuel Heaney, J.P., Royal Univer- sity of Ireland and Trinity Coll., Dublin.	31 Oct. 95	4 Dec. 95	3rd & 4th Aug. 1901, Abs.
121	1st L TEL 2d L TAM	.....	John Mathison Turing, Corpus Christi Coll., Oxford.	28 Oct. 96	7 Dec. 96	.....
122	1st L TEL 2d L TAM	.....	Archibald Young Gipps Campbell, r.a., Trinity Coll., Cambridge.	29 Oct. 96	3 Dec. 96	.....
123	1st L TAM 2d L TEL.	.....	Edward Hamilton Wallace, M.A., J.P., Glasgow Univer- sity and Balliol Coll., Oxford.	29 Oct. 96	16 Dec. 96	1 Feb. to 21 Dec. 1901, Medl. Cert.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments--Stations.	Remarks.
y. m. d.	y. m. d.	P. B. A. P. *		
6 6 13	7 0 13	P 560 0 0 A A 404 7 1 T 35 0 0	Asst. Collr. and Magt.--28th Jan. 1896.--Ag. Sub-Collr. and Joint Magt.--Ezloze.	Magt., 1st Class.
		990 7 1		
6 4 28	7 0 28	P 560 0 0 T 11 1 9	Asst. Collr. and Magt.--18th Jan. 1896.	Magt., 1st Class. In charge of Ongole Div.
		571 1 9 ABS A 382 8 8		
7 0 26	7 0 28	P 560 0 0 A A 226 10 8 T A 100 0 0 C A 50 0 0	Asst. Collr. and Magt.--18th Jan. 1899.--Ag. 1st Asst.-- 18th May 1901 and doing duty as 2nd Asst. to the Collr. of Land Rev. Cus- toms and Opium, and Chief Insp. of Factories, Bombay.	Magt., 1st Class. Retention of his ser- vices in Bombay up to 31st Dec. 1902 sanctioned. Posted to Bezwada Divn.
		936 10 8		
6 0 25	6 0 25	P 560 0 0 A A 404 7 1 T 35 0 0	Asst. Collr. and Magt.-- 10th Jan. 1897.--Ag. Sub- Collr. and Joint Magt. and Spl. Asst. Agent.-- PARVATHURAM.	Magt., 1st Class.
		999 7 1		
6 0 29	6 0 29	P 560 0 0 A A 293 5 4	Asst. Collr. and Magt.--14th Jan. 1897.--Ag. Under Secy. to Govt. Rev. Dept. --26th Oct. 1902--MADRAS.	
		853 5 4		
5 1 25	6 0 16	P 560 0 0 A A 404 7 1 T 35 0 0	Asst. Collr. and Magt.--24th Jan. 1897.--Ag. Sub Collr. and Joint Magt.--TURI- COBIN.	Magt., 1st Class. To act as Collr. and Magt. of the Dist. Tinnevely.
		999 7 1		

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
124	1st LTAM 2d L TEL	.....	Herbert Stokes, B.A., Oriel Coll., Ox- ford.	27 Oct. 96	7 Dec. 96	.....
125	1st LTAM 2d L TEL	.....	Harold Lithgow Braidwood, B.A., J.P., Corpus Christi Coll., Oxford, & Uni- versity Coll., London.	27 Oct. 96	3 Dec. 96	29 Apl. to 28 June 1900, Medl. Cert.
126	1st LTAM 2d L TEL	.....	Robert Erskine Holland, B.A., Oriel Coll., Ox- ford.	28 Oct. 96	10 Dec. 96	16 Oct. 01 to 6 June 02, Medl. Cert.
127	1st LTAM 2d L TEL	.....	David Grierson Waller, B.A., Trinity Coll., Oxford.	27 Oct. 96	30 Dec. 96	.....
128	1st LTAM 2d L TEL	.....	Edmund Wil- loughby Legh, University Coll., Oxford.	23 Oct. 97	6 Dec. 97	3 June 99 to 2 June 00, Medl. Cert. 3 June to 29 Nov. 00, Extra leave on Medl. Cert.
129	1st LTAM 2d L TEL	.....	Christopher Thomas Heaton Johnson, J.P., B.A., Wadham Coll., Oxford.	27 Oct. 97	6 Dec. 97	24 Sep. 02, Medl. Cert. Leave expires, 23 June 03.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments--Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
6 0 25	6 0 25	P 580 0 0 A A 453 5 4 1,013 5 4	Asst. Collr. and Magt.--18th Feb. 1897.--Ag. Dy. Com- mr., Salt, Abkari and Customs Dept., Central Divn., 31st July 1901.-- MADRAS.	
5 10 29	6 0 29	P 580 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr. and Magt.-- 11th Jan. 1897.--Ag. Sub- Collr. and Joint Magt.-- CHINGLPUT.	Magt., 1st Class.
5 5 0	6 0 22	P 560 0 0 D A 200 0 0 T 11 1 9 771 1 9	Asst. Collr. and Magt.--14th Jan. 1897.	On Spl. duty in the Chief Sect. for the preparation of the Annual Admn. Report of the Madras Pry. and the revision of the Manual of Standing Infn., 11th Nov. 1902.--MADRAS.
6 0 2	6 0 2	P 560 0 0 A A 404 7 1 T 35 0 0 999 7 1	Asst. Collr. and Magt.--6th Feb. 1897.--Ag. Sub. Collr. & Joint Magt.--POLLACHI.	Magt., 1st Class.
3 6 23	5 0 26	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.--8th Jan. 1898.--Ag. Head Asst. Collr. and Magt., and Spl. Asst. Agent--SATTUR.	Magt., 1st Class.
4 9 11	5 0 20	P 560 0 0 T 11 1 9 571 1 9 ABS A 363 9 3 Subject to a mini- mum of £500 a year.	Asst. Collr. and Magt.--6th Jan. 1898.	Magt., 1st Class. On Priv. leave for 3 months from 24th June 1902, and Furlough on Medl. Cert. for 9 months, from 24th Sep. 1902.

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lang- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
130	1st L TEL 2d L CAN	Uriya Spl. Test.	Pierce Langrishe Moore, J.P., Christ College, Oxford.	23 Oct. 97	21 Nov. 97	2 Aug. 01 to 4 Sep. 02 Medl. Cert.
131	1st L TEL 2nd L URIA.	Uriya Spl. Test.	George Frederick Paddison, Esq., J.P., * Queen's Coll., Oxford.	25 Oct. 97	6 Dec. 97	.....
132	1st L TAM 2d L TEL	.....	Boteler Cher- nocke Smith, B.A., Keble Coll., Oxford.	25 Oct. 97	6 Dec. 97	.....
133	1st L TAM 2d L TEL	.....	Alexander Robert Loftus-Totten- ham, J.P., B.A., Queen's Coll., Oxford.	22 Oct. 97	6 Dec. 97	.....
134	1st L CAN 2nd L TAM	.....	Alexander Fran- cis George Mos- cardi, J.P., B.A., Hil Coll., Ox- ford, and Uni- versity Coll., London.	23 Oct. 97	22 Nov. 97	.....
135	1st L MAL 2d L TAM	.....	Frederick Barn- son Evans, J.P., Trinity Coll., Oxford.†	25 Oct. 98	5 Dec. 98	.....

* Mr. Paddison's position will be regulated by the same rule as is prescribed for Mr. Barn (pages 210 and 211).

† His place in the Gradation List of the Indian Civil Service shall be taken to be that of a permanent Asst., but if all the officers above him with the exception of those than Ag. Hd. Asst. Collr., and if an officer junior to him is Agras Head Asst. Collr. hi position in the regular line shall be taken as that of an Ag. Head Asst. Collector.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service up to 1st Jan. 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	R. a. p.		
4 0 7	5 1 10	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—6th Jan. 1898. Ag. Head Asst. Collr. and Magt.— PENECONDAH.	Magt., 1st Class.
5 0 26	5 0 26	P 560 0 0 A A 200 0 0 A 100 0 0 T 35 0 0 895 0 0	Spl. Settlt. Officer, Godavari and Kistna and Spl. Asst. to the Collr. of those Dists.—15th Sep. 1902.	Magt., 1st Class.
5 0 26	5 0 26	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—7th Jan. 1898.—Ag. Head Asst. Collr. and Magt.— HOSPET.	Magt., 1st Class.
5 0 26	5 0 36	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—7th Jan. 1898.—Ag. Head Asst. Collr. and Magt., and Spl. Asst. Agent.—MALAP- PURAM.	Magt., 1st Class.
5 1 9	5 1 9	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—12th Jan. 1898.—Ag. Head Asst. Collr. and Magt.— TIRUPATTUR.	Magt., 1st Class.
4 0 27	4 0 27	P 560 0 0 A A 200 0 0 S A 100 0 0 T 35 0 0 895 0 0	Spl. Asst. Settlt. Officer, Malabar, and Spl. Asst. to the Collr. of that Dist. for 2 years—1st Mar. 1901.	Magt., 1st Class.

rule as is prescribed for Mr. Barn (pages 210 and 211).

be that of a permanent Asst., but if all the officers above him with the exception of those than Ag. Hd. Asst. Collr., and if an officer junior to him is Agras Head Asst. Collr. hi position in the regular line shall be taken as that of an Ag. Head Asst. Collector.

1	2	3	4	5	6	7
No.	Languges passed.	Rewards in Languges.	NAMES.	Commencement of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
136	1st L TAM 2nd L TEL	.....	Frederick John Richards, Exeter Coll., Oxford.	25 Oct. 98	5 Dec. 98	26th Aug. 1902, Spl. leave. Leave expires, 25th Dec. 1902.
137	1st L TAM 2d L TEL	.....	Charles Alexan. der Innes, St. John's Coll., Oxford†	26 Oct. 98	5 Dec. 98	.....
138	1st L TEL 2d L CAN	.....	Hugh Rosser Bardswell, J.P., Lincoln Coll., Oxford.	27 Oct. 98	15 Dec. 98	.....
139	1st S TAM	.....	Richard Arthur Jenkins, Brasenose Coll., Oxford, and University Coll., London.	25 Oct. 98	21 Nov. 98	13 June 00 to 10 Dec. 00, Medl. Cert.
140	1st L TAM 2nd L TEL	.....	Frederick Rick- etts Hemming- way, New Coll., Oxford.	27 Oct. 98	5 Dec. 98	27th June 01 to 5 Oct. 02, Medl. Cert.
141	1st L TEL 2nd L URIA.	.....	Harold Anselm Bellamy Vernon, St. John's Coll., Oxford.	25 Oct. 98	8 Dec. 98	.....

† Vide note † in pages 218 and 219.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 3 8 21	y. m. d. 4 0 27	Rs. a. p. P 560 0 0 T 11 1 9 571 1 9 A B S A 278 8 5 Subject to a minimum of £500 a year.	Asst. Collr. and Magt.—16th Jan. 1899.	Magt., 1st Class. On Priv. leave for 3 months from 26th May 1902, and Spl. leave for 3 months, from 26th Aug. 1902. —Exten. on Medl. Cert. for 1 month. Posted to Ramnad Dn.
4 0 27	4 0 27	P 560 0 0 A A 200 0 0 S A 100 0 0 T 35 0 0 895 0 0	Spl. Asst. Settlt. Officer, Malabar, for 2 years, and Asst. to the Collr. and Magt. of that Dist. 1st March 1901.	Magt., 1st Class.
4 0 17	4 0 17	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—26th Jan. 1899.—Ag. Head Asst. Collr. and Magt., and Spl. Asst. Agent.—CHICACOLE.	Magt., 1st Class.
3 7 12	4 1 10	P 385 0 0 A A 255 8 11 T 35 0 0 675 8 11	Asst. Collr. and Magt.—1st Feb. 1899.—Ag. Head Asst. Collr. and Magt.—RANIPETT.	Magt., 1st Class. Passed Lower Standard.
2 9 18	4 0 27	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—Ag. Head Asst. Collr. and Magt. SERRADEVI.	Magt., 1st Class.
4 0 24	4 0 24	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—1st Feb. 1899.—Ag. Head Asst. Collr. and Magt., and Spl. Asst. Agent.—KORAPUT.	Magt., 1st Class.

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-residence, and if now on leave, date of expiry of leave.
142	1stLTAM 2ndLTAL		Frank Hanning- ton, B.A., J.P., Trinity Coll., Dublin.	30 Dec. 98	30 Jan. 99	
143	1stLCAN 2ndLTAL	San. High Profy.	Thomas Eyekron Moir, Wadham Coll., Oxford. †	19 Nov. 98	26 Dec. 98	
144	2nd L MAL.		Charles William Egerton Cotton, University Coll., Oxford.	24 Oct. 98	8 Dec. 98	
145	1stLTAM 2nd L MAL.		Henry D'Arcy Cornelius Reilly, J. P., Corpus Christi Coll., Oxford.	23 Oct. 99	20 Nov. 99	13 Apl. to 15 Oct. 02, Medl. Cert.
146	1stLTAL 2nd L URIA		Cecil Bernard Catterell, Balliol College, Oxford.	21 Oct. 99	16 Nov. 99	

† Vide note † in pages 218 and 219.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date	Total Service of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
3 11 2	3 11 2	P 560 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—29th Feb. 1899.—Ag. Head Asst. Collr. and Magt.— OOTA-MUND.	Magt., 1st Class. Ag. Dist. Munsif, Gudalur.
4 0 6	4 0 6	P 560 0 0 A A 200 0 0 S A 100 0 0 T 35 0 0 895 0 0	Asst. Settlt. Officer, S. Panara, and Spl. Asst. to the Collr. of that Dist. for 2 years.—16th Mar. 1901.	Magt., 1st Class.
4 0 24	4 0 24	P 335 0 0 A A 255 8 11 T 35 0 0 675 8 11	Asst. Collr. and Magt.—30th Jan. 1899.—Ag. Head Asst. Collr. and Magt.—Hosur.	Magt., 1st Class. Passed Lower Stand- ard.
2 7 8	3 1 11	P 530 0 0 A A 200 0 0 T 35 0 0 795 0 0	Asst. Collr. and Magt.—1st Feb. 1900.—Ag. Head Asst. Collr. and Magt.— TINDIANAM.	Magt., 1st Class.
3 1 15	3 1 3	P 560 0 A A 200 0 T 35 0 795 0 0	Asst. Collr. and Magt.—11th Feb. 1900.—Ag. Head Asst. Collr. and Magt. and Spl. Asst. Agent—BALLIGUDA.	Magt., 1st Class.

1	2	3	4	5	6	7
no.	Lan- guages passed.	Rewards in Lan- guages	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
147	1st LMAI 2nd LTAM	.....	Gilbert Hollins- head Blomfield Jackson, Mer- ton College, Ox- ford.	26 Oct. 99	5 Dec. 99	20 June to 7 Nov. 02 Medl. Cert.
148	1st LTAM	.....	Jotindra Nath Roy, * Calcutta University and Christ Church, Oxford.	30 Oct. 99	25 Dec. 99	.....
149	1st LTML 2nd L OAN.	.....	Arthur Joseph Gargenven, B.Sc., London, New Coll. Oxford.	25 Oct. 99	.....	2 July to 21 Aug. 1900 Medl. Cert.
150	2nd LTML	.....	John Reginald Hollins, * Lin- coln Coll., Ox- ford.	3 Oct. 99	20 Dec. 99	.....
151	1st LT	.....	Eric Allan Dr Mag. of Can. dist. J. J. J. J. London.	.....	5 Dec. 99	.....
152	1st ST	.....	Pratap Ghandrag Dutt, * Calcutta University and New Coll., Ox- ford.	.....	5 Dec. 99	.....

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
2 3 9	3 0 27	P 560 0 0 T 11 1 9	Asst. Collr. and Magt.—1st Feb. 1900.—CHITTOOR.	Magt., 1st Class.
		571 1 9		
3 0 7	3 0 7	P 385 0 0 A A 255 8 11 T 35 0 0	Asst. Collr. and Magt.—1st Feb. 1900.—Ag. Head Asst. Collr. and Magt.	Magt., 1st Class. Passed Lower Stand- ard.
		675 8 11		
2 11 25	3 1 15	P 560 0 0 A A 200 8 11 T 35 0 0	Asst. Collr. and Magt.—30th Jan. 1900.—Ag. Head Asst. Collr. and Magt.—* 121A- NAGRAM.	Magt., 1st Class.
		795 0 0		
3 0 12	3 0 12	P 385 0 0 A A 255 8 11 T 35 0 0	Asst. Collr. and Magt.—30th Jan. 1900.—Ag. Head Asst. Collr. and Magt.—RAMNAD.	Magt., 1st Class. Passed Lower Stand- ard.
		675 8 11		
3 0 27	3 0 27	P 560 0 0 T 11 1 9	Asst. Collr. and Magt.— 27th Jan. 1900.	Magt., 1st Class. Doing duty as Asst. Supt. of Police, Godavari.—18th Mar. 1902.—RAJAH- MUNDY.
		571 1 9		
3 0 7	3 0 7	P 385 0 0 T 11 1 9	Asst. Collr. and Magt.—3rd Feb. 1900.—CHATTRAPER.	Magt., 1st Class. Passed Lower Stand- ard. On Priv. leave for 3 weeks. from 4th Dec. 1902.
		396 1 9		

1	2	3	4	5	6	7
No.	Lang- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
153	1st LTAM 2nd LTEL	.....	Ernst Pakenham Walsh, Dublin University.	14 Nov. 99	26 Dec. 99	19 Aug. 02. Spl. leave. Leave expires 16 Dec. 1902.
154	1st STAM	.....	Alexander Fotheringham, J. P. Emmanuel Coll., Cam- bridge.	13 Nov. 99	30 Dec. 99	26 Nov. 01, to 18 July 02, Medl. Cert.
155	1st S TEL	.....	Arthur Mario Agricola Collier Galletti di Cadilhac,† Tri- nity Coll., Ox- ford.	29 Oct. 00	10 Dec. 00	.....
156	1st LTAM 2nd LTEL	.....	John Chartres Molony, J. P., University of Dublin.	29 Oct. 00	3 Dec. 00	.....
157	1st STAM	.....	David Thomas Chadwick & Sid- ney, Sussex Coll., Cambridge.	29 Oct. 00	3 Dec. 00	.....
158	2nd LTAM	.....	Robert William Davies,† Em- manuel Coll., Cambridge.	25 Oct. 00	3 Dec. 00	.....

† Vide note † in pages 218 and 219.

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Rs. a. p.		
2 2 19	3 0 6	P 560 0 0 T 11 1 9 571 1 9 ABS. A 208 15 1 Subject to a mini- mum of £ 500 a year.	Asst. Collr. and Magt.—26th Jan. 1900.	Magt., 1st Class. On Priv. leave for 2 months and 2 days from 17th June 1902 and Spl. leave for 3 months and 28 days, from 19th Aug. 1902. —Permitted to return to duty. Posted to Coimbatore Dist.
2 4 9	3 0 2	P 385 0 0 A A 255 8 11 T 35 0 0 675 8 11	Asst. Collr. and Magt.—24th Jan. 1900.—Ag. Head Asst. Collr. and Magt.—NAGA- PATAN.	Magt., 1st Class. Passed Lower Stand- ard.
2 0 22	2 0 22	P 385 0 0 A A 255 8 11 T 35 0 0 675 8 11	Asst. Collr. and Magt.—17th Jan. 1901.	Magt., 1st Class. Passed Lower Stand- ard.
2 0 29	2 0 29	P 560 0 0 A A 200 0 0 T 11 1 9 771 1 9	Asst. Collr. and Magt.—8th Jan. 1901.—Ag. Head Asst. Collr. and Magt.—BEZWADA.	Magt., 1st Class.
2 0 29	2 0 29	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—9th Jan. 1901.—PALANCOTTAN.	Magt., 1st Class. Passed Lower Stand- ard.
2 0 29	2 0 29	P 385 0 0 A 100 0 0 T 11 1 9 496 1 9	Spl. Asst. Settlt. Officer, Malabar and Spl. Asst. to the Collr. of that Dist. for 1 year.—5th Sep. 1902.	Magt., 2nd Class. Passed Lower Stand- ard.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
159	1st STAM	.....	Richard French Lawrence Whitty, * Jesus Coll., Cambridge.	29 Oct. 00	3 Dec. 00	.....
160	1st STAM	.....	William Aitken- head Doig, B.A., * University of Dublin.	29 Oct. 00	3 Dec. 00	.....
161	1st LTAM 2nd LTAM	.....	Rajappaya Na- rayana Aiyar, University of Madras and King's Coll., Cambridge.	5 Nov. 00	23 Dec. 00	.....
162	1st STAM	.....	Harold Hamilton Berkitt, B.A., * University of Dublin.	31 Oct. 00	3 Dec. 00	.....
163	.....	.....	Frederick Wil- liam Rowntree Robertson, * University of London and St. John's Coll., Cambridge.	25 Oct. 00	3 Dec. 00	.....

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 2 0 29	y. m. d. 2 0 29	Rs. a. p. P 335 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—19th Jan. 1901—MANGALORE.	Magt., 2nd Class. Passed Lower Stand- ard. Granted priv. leave for 12 days.
2 0 29	2 0 29	P 335 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—29th Dec. 1900—CALCUT.	Magt., 1st Class. Passed Lower Stand- ard.
2 0 7	2 0 7	P 530 0 0 T 11 1 9 571 1 9	Asst. Collr. and Magt.—7th Jan. 1901—SALEM.	Magt., 1st Class.
2 0 29	2 0 29	P 335 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—26th Dec. 1900—CHATHAPUR.	Magt., 2nd Class. Passed Lower Stand- ard.
2 0 29	2 0 29	P 335 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—29th Dec. 1900—VIZAGAPATAM.	Magt., 3rd Class.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
164	1st STN	.....	Charles Alexander Soutar, Edinburgh Uni- versity, Cadus Coll., Cam- bridge, and Uni- versity Coll., London.	21 Oct. 01	25 Dec. 01	.....
165	.....	.....	Charles Gordon Mackay, M.A., Edinburgh Uni- versity & Christ Church Coll., Oxford.	29 Oct. 01	2 Dec. 01	.....
166	.....	.....	Henry Hervey Francis Mac- donald Tyler, Selwyn Coll., Cambridge.	5 Nov. 01	2 Dec. 01	.....
167	.....	.....	John Kenneth Lancashire, Bra- senose Coll., Oxford.	29 Oct. 01	2 Dec. 01	.....
168	.....	.....	Hari Ganpat Rao Gharpurey, M.A., Calcutta Uni- versity, and St. John's Coll., Cambridge.	23 Oct. 01	23 Dec. 01	13 May to 11 June 02, Leave without allice.
169	1st STAM	.....	William Gregg McFarland, University of Dublin.	24 Oct. 01	25 Nov. 01	.....

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service up to 1st Jan. 1903 from date of arrival.	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d.	y. m. d.	Ra. a. p.		
1 0 7	1 0 7	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.— 9th Jan. 1902.—NELLOR.	Magt., 2nd Class. Passed Lower Stand- ard.
1 1 0	1 1 0	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.— 2nd Jan. 1902.—MADRAS.	Magt., 3rd Class.
1 1 0	1 1 0	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—2nd Jan. 1902.—COIMBATORE.	Magt., 3rd Class.
1 1 0	1 1 0	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—31st Dec. 1901.—TRICHINOPOLY.	Magt., 3rd Class.
0 11 9	1 0 9	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—8th Jan. 1902.—ANANTAPUR.	Magt., 3rd Class.
1 1 6	1 1 6	P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.— 8th Dec. 1901.—CUDDALORE.	Magt., 3rd Class.

1	2	3	4	5	6	7
No.	Lan- guages passed.	Rewards in Lan- guages.	NAMES.	Commence- ment of Service.	Date of Arrival.	Non-Residence, and if now on leave, date of expiry of leave.
170			Hugh Tempest Baily, St. John's Coll., Oxford and University Coll., London.	23 Oct. 01	20 Dec. 01	
171			John Frederick Graham, Dublin (Trinity Coll.).		1 Dec. 02	
172			George Archibald Douglas Stuart Cambridge (Em- manuel).		26 Nov. 02	
173			Joseph William Bhore, B.A., Bombay Uni- versity Coll., London.		13 Dec. 02	
174			Frank Noyce, Cambridge (St. Catharine's).		1 Dec. 02	
175			Alexander Ran- ken Cox, Clif- ton, Cambridge (Emmanuel).			

8	9	10	11	12
Actual Service up to 1st Jan. 1903 from date of arrival.	Total Service	Salary and Allowances.	Appointments—Stations.	Remarks.
y. m. d. 1 0 12	y. m. d. 1 0 12	Rs. a. p. P 385 0 0 T 11 1 9 396 1 9	Asst. Collr. and Magt.—7th Jan. 1902.—BELLARY.	Magt., 3rd Class.
0 1 0.	0 1 0	P 400 0 0	Asst. Collr. and Magt., S. Appd. Arcot.	
0 1 5.	0 1 5	P 400 0 0	Asst. Collr. and Magt., Chin- gleput.	Appd.
0 0 19	0 0 19	P 400 0 0	Asst. Collr. & Magt., Kistna.	Appd.
0 1 0	0 1 0	P 400 0 0	Asst. Collr. and Magt., Bel- lary.	Appd.

Col. 2—The languages—Tam., Tel., Mal., Can. and Uriya—

(a) If printed in *NONPAREIL FRANCE CLARENDON*, indicate a pass by the full test the compulsory Ver. Testier Dy. Collrs., published on page 69 of Part I

(b) If printed in *Italics*, indicate a pass in reading MSS. only in the language

(c) If printed in *Brevier*, indicate merely a knowledge of the language or Col. 3—The letters Ex. S. affixed to a name printed in *Brevier Antique No.* motion to listed posts over other equally qualified members of the Pro Deputy Collectors on General duties draw tentage allowance of Rs. 11-1-9

No.	Lingual Attainments.	NAMES.	Date of promotion to present grade.	District.
FIRST GRADE—No. 2(b).—Pay Rs. 700.				
1	Tam. Mal.	Raghunatha Rao Hama-chandra Rao, B.A., Ek.-S. §	17 Mar. 1901	Bellary ...
2	TEL. TAM. Can. Hin.	William Charles McMurray §, J.P.	1 Apl. 1902	Nilgiris ...
SECOND GRADE—No. 5.—Pay Rs. 600.				
1	...	Frank Dacomb Bird (<i>Bar-at-Law</i>).†	6 Apl. 1898	Coimbatore ...
2	Tel.	Mundkur Srinivasa Rao, B.A., B.L. §	15 Dec. 1900	Coimbatore ...
3	Tam. MAL.	Varada Rajagopala Chari, B.A., B.L., Diwan Bahadur. §	17 Mar. 1901	Madras ...
4	TEL. Tam.	P. S. Ganapati Aiyar, B.A. §	1 Apl. 1902	Chingleput ...
5	Tam.	Tiruvannu Venkachi Aiyar Narayanaswami Aiyar. §	4 Apl. 1902	N. Arcot ...
THIRD GRADE—No. 15(a).—Pay Rs. 500.				
1	Tam. Tel. Can. Hin. Per.	Safiyid Kadir Badsha Sahib §	6 May 1896	N. Arcot ...
2	Hin.	Mohammad Kadir Nawaz Khan Sahib, Khan Bahadur. §	20 June 1896	.....

(a) To this Grade, four appointments have been added as representing the same Service, with reference to Notification, dated 16th Dec. 1892, in the *Port St. George*

(b) To this Grade, one appointment has been added as representing the same Number reference to the above mentioned note.

in the language or languages specified as prescribed in the Notification regarding of the *Port Saint George Gazette*, dated 3rd February 1891.

or languages specified as prescribed in the Notification above referred to.

languages specified.

§ indicate Ek. Statutory Civilians having *ceteris paribus* a preferential claim to provincial Service.

per mensem.

Duty.	Station.	Remarks.
Genl. duty	...	Bellary.
Try.	...	Ootacamund.
Genl. duty	...	Coimbatore.
Try.	...	Coimbatore.
.....	Madras	Asst. Supt. of Stamps and Stationery.
Try.	...	Saidapet. ... Fellow of the Madras University.
Genl. duty	...	Arni.
Try.	...	Chittoor.
.....		On Priv. leave for 3 months from 14th Dec. 1901 and leave on Medl. Cert. for 3 months, from 14th Mar. 1902.—Eaten for 6 months.

number of appts. of Head Asst. Collr., now treated as open to the Madras Provl. Civil Gazette of the 17th Jan. 1893, Part I, page 40.

of appts. of Sub-Collr., now treated as open to the Madras Provl. Service with

No.	Lingual Attainments.	NAMES.	Date of promotion to present grade.	Districts.
THIRD GRADE— <i>condid.</i>				
3	Mal.	Taravatur Gopalan Nayar, B.A., B.L.	1 Apl. 1899	...
4	Tel. Can.	Tumparti Rama Rao, B.A., Rao Bahadur.	9 Nov. 1898	N. Arcot ...
...	Tel.	Sirum Venkataramas Nayudu, B.A., B.L., Dewar Bahadur. (Seconded)	1 Apl. 1899	...
5	Tel. Uriya, Khond. Tam. and Hin.	James Thomas Lover * ¹	1 Apl. 1899	Bellary ...
6	Tam.	T. Sundara Rao, B.A.	1 Apl. 1899	Trichinopoly ...
7	TTL.	T. N. Ramachandra Aiyar, B.A.	1 July 1899	...
8	Tam.	Abraham Prabhudasam Pillai.	6 Nov. 1899	Tanjore ...
9	Tel.	Tanikella Jagannadham Pantulu.	1 Apl. 1900	...
10	Tel.	Echambadi Seetharam Chari.	13 Dec. 1900	Vizagapatam ..
11	Tel.	Peddibotla Purnayya Pantulu, Rao Bahadur.	17 Mar. 1901	Godavari ...
12	.....	Palle Krishna Rao, B.A., B.L.	29 May 1901	Trichinopoly ...
...	Tam. TTL.	Sami Swaminatha Aiyar, B.A., Diwan Bahadur. (Seconded)	1 Apl. 1902	...
13	Mal. TAM.	Vappalakshmi Chappan Menon, B.A.	4 Apl. 1902	Cochin ...
14	TAM. MAL.	L. D. Swamikannu Pillai, B.A., B.L. (Madras), B.L. (Lond.).	4 May 1902	Madras ...
...	TAM. MAL.	Edmund Alexander Smith, (Seconded).	4 May 1902	...
15	H. S. Tam. Mal.	James Robert Coombes, B.A.	4 May 1902	Madras ...
FOURTH GRADE—No. 22—Pay Rs. 400.				
1	Tam.	Venkatarama Subbaiyar, B.A.	1 Apl. 1896	Tinnevely ...
2	MAL. TAM.	Karadibaw Venkataramayya Lakshman Rao, Diwan Bahadur.	29 June 1896	Malabar ...

Duty.	Station.	Remarks.
...	...	On Priv. leave for 1 month and 28 days, from 1st Apl. 1902 & <i>Perio.</i> for 1 year, from 24th May 1902.
Genl. duty	Chittoor	On Priv. leave for 1 month from 24th Nov. 1902.
...	...	Fellow of the Madras University. On other duty in Pudukkottai State.
Try.	Bellary	...
do.	Trichinopoly.	...
...	...	On leave on Medl. Cert. for 6 months from 7th Mar. 1902. <i>Exten.</i> for 6 months.
Try.	Tanjore.	...
...	...	Granted Priv. leave for 3 months. Posted to Ganjam Try.
Try.	Vizagapatam.	Granted Priv. leave for 1 month.
do.	Cocanada	...
Genl. duty	Masiri.	...
...	Chittoor	On other duty as Regulation Collr.
Genl. duty	Erode.	...
...	Madras	Asst. Secy., Bd. of Rev., Land Rev. Dept.—Draws also L. A. Rs. 200.
...	...	Forest Settlr. Officer, Nellore, &c., Districts.
...	Madras	Draws also Income Tax A/c. of Rs. 100.
Try.	Palamcottah	...
Gen. duty	Cochin	Also Sub-Judge, Cochin.

No.	Lingual Attainments.	NAMES.	Date of promotion to present grade	District.
FOURTH GRADE— <i>concl.</i>				
3	Tam. TEL.	S. Ramu Aiyar, B.A.	11 Dec. 1896	
4	H. S. Tel.	Charles Gahan, B.A. §	10 Aug. 1898	
5	TAM TEL.	Muhammad Aziz-ud-din Hussain	26 Sep. 1898	S. Arcot
6	Per. & Urdu. TEL. CAN.	Sahib Bahadur, Khan Sahib. § R. Govinda Rao Nayudu §	9 Nov. 1898	Ganjam
7	MAL. Tam.	T. Gopalswami Aiyar, B.A. §	1 Apr. 1899	S. Arcot
8	VELTA Tel.	B. Narayanamurti Pantulu, Rao Bahadur. §	1 July 1899	Vizagapatam
9	TAM. Tel.	P. Rajaratna Mudaliyar, B.A. §	21 Apr. 1900	
10	TAM. M. L.	M. Ravi Varma Raja, M.A. §	17 Mar. 1901	Tanjore
11	.....	O. J. M. Blake §	2 May 1901 * 2 May 1902	Kurnool
12	TEL. Tam.	T. Raghavayya, B.A., Rao Sahib §	30 Apr. 1901	Nellore
13	TEL. Tam.	S. M. Vapachi Maricayar Usman Sahib Bahadur, B.A., B.L. §	24 May 1901	Chingleput
14	Tam. TEL.	S. Seandharaja Aiyangar, B.A. §	29 May 1901	Tanjore
15	Tel. TAM.	V. Parthasaradhi Chetti, B.A.† (Seconded).	1 June 1901	
16	TEL. CAN.	P. Sita Rao Pantulu §	22 June 1901	Cuddapah
17	CAN. Tel.	J. Ramayya Pantulu, B.A., B.L. §	1 Apr. 1902	Cuddapah
18	SH. Tel.	Arthur Cardozo Woodhouse §	4 Apr. 1902	Godavari
19	TEL. TAM.	Muhammad Sufdar Hussain Sahib Bahadur, M.A., B.L. § (Seconded).	4 May 1902	Madras
20	MAL. TAM.	Joseph Horatio Gwynne §	4 May 1902	Malabar
21	TEL. Tam.	C. Hanumanta Rao, B.A., B.L. §	4 May 1902	Malabar
22	TEL. TAM.	N.S. Somasundara Sastri, B.A. §	4 May 1902	Kistna
23	CAN. Tam.	P. Duraiswami Aiyangar, B.A. §	4 May 1902	Kurnool
24	TEL. Tam.	C. Sahramanya Aiyar §	17 July 1902	S. Arcot

* Date of confirmation in the 4th Grade.

Duty.	Station.	Remarks.
		On Priv. leave for 27 days from 6th Nov. 1902 and leave on Medl. Cert. for 11 months and 3 days.
	Madras	3rd Presy. Magt.—Draws also Local Allee. of Rs. 100.
Genl. duty	Cuddalore	Head Quarters Dn.—Fellow of the Madras University.
do.	Russellkonda	
Try.	Cuddalore	
Genl. duty	Vizagapatam	
	Madras	4th Presy. Magt., Madras.—Draws also Local Allee. of Rs. 100.
Genl. duty	Mayavaram	On Priv. leave for 2 months and 17 days from 3rd Nov. 1902.
do.	Kurnool	
do.	Gadur	
do.	Saidapet	
do.	Pattakottai	
		On foreign service.
Try.	Cuddapah	Posted to spl. duty for the acquisition of lands for the Azhikkal-Mangalore Railway.
Genl. duty	Jammalamadugu	
Genl. duty	Rajahmundry.. (Polavaram Divn.)	Draws also L. A. Rs. 100.
		Rev. Officer, Madras Municipality.
Genl. duty	Maunatoddy	Draws also Local Allee. of Rs. 150.
Genl. duty	Calicut.	
Try.	Masulipatam	Posted.
Try.	Kurnool.	
Genl. duty	Thirukkoyilur.	On priv. leave for 25 days from 29th Nov. 1902.

No.	Lingual Attainments.	NAMES.	Date of promotion to present grade	District.
FIFTH GRADE--No. 17 (a)--Pay Rs. 300.				
1	Tam. TEL.	P. Sivaraman Aiyar §	... 21 Apl. 1900	Chingleput ...
2	TAM. Mal.	A. Ramacha Nedungadi, B.A., B.C. §	17 Mar. 1901	Tanjore ...
3	TELA. Tel.	K. Narasimha Rao Pantulu §	.. 1 Apl. 1901	Godavari ...
4	TEL. Can.	P. Sitaramayya, M.A. §	.. 30 Apl. 1901	Salem ...
5	Tam. TEL.	P. Dinadayala Nayudu, B.A., §	24 May 1901	Madura ...
6	TEL. Tam.	C. Krishnaswami Nayudu §	.. 29 May 1901	Trichinopoly ...
7	TAM. TEL.	C. Rustum Sing, Rao Bahadur §	1 June 1901	S. Arcot ...
8	TAM. TEL.	K. V. Srinivasa Aiyangar, B.A. §	22 June 1901	Kistna ...
9	Tel. CAN.	Joshua Williams, B.A. §	.. 18 July 1901	Nellore ...
...	TAM. Can.	P. S. Singaravelu Pillai § (Seconded).	1 Apl. 1902	...
10	HS. Tam. } HS. Tel. }	W. S. Marshall	1 Apl. 1902	Tinnevely ...
11	TEL. TAM.	T. Vijayaraghava Charya, M.A. §	4 Apl. 1902	Salem ...
12	TAM. TEL.	Mir Sultan Muhi-ud-din Sahib Bahadur §	4 May 1902	Trichinopoly ...
13	TAM. Mal.	G. T. Vargese, B.A., Rao Bahadur §	4 May 1902	Malabar ...
14	Tel. T. M.	M. V. Narayanaswami Pillai, B.A. §	4 May 1902	...
15	...	V. Ramaswami Aiyar §	4 May 1902	Nellore ...
...	Mal. TAM.	C. Gopalan Nayar (Seconded.)	4 May 1902	...
16	TEL. TAM.	Mahdi Hussain Sahib Bahadur §	17 July 1902	Tanjore ...
17	...	Vacant.		

(a) To this Grade one appointment has been added as representing the same number with reference to Notification, dated 16th Dec. 1892, in the Fort St. George

Duty.	Station.	Remarks.
Try.	... Saidapet.	
do.	... Tanjore	On Priv. leave for 2 months and 20 days, from 1st Dec. 1902.
do.	... Narsapur	On Priv. leave for 15 days, from 10th, Dec. 1902.
do.	... Salem	
Spl. duty	...	
Genl. duty	... Trichinopoly.	
do.	... Cuddalore	Granted Priv. leave for 3 months.
do.	... Masulipatam.	
Genl. duty	... Nellore.	
...	...	Spl. Forest Settl. Officer, Trichinopoly, &c., Dist.
Genl. duty	... Sermadevi.	
do.	... Namakkal	
do.	... Ariyalur	Fellow of the Madras University.
Try.	... Calicut	L. A. Rs. 100.
Spl. duty	... Maabar	On Spl. duty in connection with the registration of Janmam title.
Genl. duty	... Gooty	
Genl. duty	... Atmakur.	
do.	... Mannargudi.	

ber of appts. of Asst. Collr., now treated as open to the Madras Provl. Civil Gazette the 17th Jan 1893, Part I, page 40.

No.	Lingual Attainments.	NAMES.	Date of promotion to present grade	District.
SIXTH GRADE—No. 18.—Pay Rs. 250.				
1	Lam. TEL.	C. Seehadri Rao Pantulu §	6 Nov. 1899	
2	Tam. TEL.	M. Tirumalai Pillai, B.A.	1 June 1901	
3	TEL. Tam.	T. V. Gopalaswami Aiyar, B.A.	22 June 1901	Coimbatore
4	TEL. Tam.	V. Ramachandra Rao.	18 July. 1901	S. Canara
5		T. N. Sivagnanam Pillai, B.A.	14 Dec. 1901	
6	TAM. Mal.	P. Narayana Menon, B.A. †	17 Dec. 1901	Tanjore
7	CAN. TAM.	A. Upendra Pai, B.A. §	4 Feb. 1902	Madura
8	TEL.	Ra'ul-mulk Sahib Bahadur †	25 Mar. 1902	Nellore
9	Tam. TEL.	R. Sundaresa Mudaliyar, B.A. §	4 Apl. 1902	Madura
10	TEL. Can. TAM.	U. Rama Rao, B.A. §	11 Apl. 1902	Godavari
11	TEL. Uriya.	S. Lakshminarasimha Rao Pantulu §	4 May 1902	Ganjam
12	Tel. Tam.	G. Narayanaswami Aiyar, B.A. §	4 May 1902	S. Canara
13	MAL. Can.	R. Rama Rao. §	4 May 1902	
14	Tel. Tam.	M. Arumkham Pillai, Rao Bahadur. §	4 May 1902	Tanjore
15		M. S. Mascarenhas, B.A.	7 May 1902	N. Arcot
16		K. Vijayaraghava Chari, M.A.	17 July 1902	Kurnool
17	TEL. Tam.	S. P. Ranga Chari†	22 Apl. 1901	Tinnevely
18	Mal.	C. S. Anantarama Aiyar, B.A. †	4 Apl. 1902	Chingleput

Duty.	Station.	Remarks.
		On Priv. leave for 1 month, from 9th July 1901, and Furl. for 1 year, 5 months and 23 days from 9th Aug. 1901 to 31st Jan. 1903.
Spl. duty	Madura	Granted Priv. leave for 6 weeks.
do.	Kollegal	Dist. Munsif, Kollegal. Draws also L. A. Rs. 100.
do.	Puttar	
		Ag. 2nd Asst., Rev. Sect.
Genl. duty	Tanjore	On probation.
Try.	Madura	On Priv. leave for 6 weeks from 11th Nov. 1902.
do.	Nellore	
Genl. duty	Madura.	
do.	Cocanada	
do.	Chattrapur	Posted to Ganjam, Try.
Try.	Mangalore.	On Priv. leave for 1 month from 11th Nov. 1902.
	Kasaragod	On other duty as Dy. Collr. for the Ashikkal-Mangalore Exten. of the Madras Railway. Posted to Spl. Settlt. work in S. Canara.
Genl. duty	Tanjore.	
Spl. duty		
		On other duty as Dy. Collr., Kurnool-Cuddapah Canal.
Genl. duty	Tinnevely	On probation for 2 years.
do.	Saidapet	On probation for 2 years.

No.	Lingual Attainments.	NAMES.	Date of joining Special Appointment.	Salary.
		DEPUTY COLLECTORS (ACTING AND SPECIAL).		Rs
1	TEL. Tam.	T. V. Srinivasa Aiyar, B.A., § Tahr., Namakkal.	13 Jan. 1902	250
2	TEL. VIITA.	P. Srikrishnulu Patula, B.A., Hazur Shr., Ganjam.	2 May 1899	250
3	Mal. TAM.	M. Damodaran Nair, Unconvd. Asst., 11 Apl. 1899 Rev. Settlt. Party, No. VI.		250
4	CAN. Tel.	P. Nagesa Rao Pantulu, B.A., B.L. § Tahsildar, Godavari.	16 Jan. 1901	250
5	Tel.	P. Acharyulu Pantulu, § Tahr., Tenali.	16 Mar. 1901	250
6	Tel. VIITA.	K. Narasimham Pantulu, § Tahr., Ha- machandrapuram.	19 Mar. 1901	250
7	Tel. CAN.	K. Vasanta Rao, § Tahr., Nellore	23 Mar. 1901	250
8	Tel.	P. Sivarajna Rao Nayudu, § Tahr., Gudur.	26 Mar. 1901	250
9	Tam.	A. Vedachala Aiyar, § Hazur Shr., Salem.	10 Apl. 1901	250
10	.....	V. Rama Rao, § Tahr., Udipi	4 June 1901	250

District.	Duty.	Station.	Remarks.
Cuddapah	Genl. duty	Siddhavatnam.	On Priv. leave for 2 months from 17th Nov. 1902.
Ganjam	Spl. duty	.....	Tempy.
Malabar	do.	.....	Tempy.
Godavari	do.	.....	To act as 2nd Asst., Bd. of Rev. (Settlt.)
Kurnool	Genl. duty	Kurnool.	
Kistna	do.	Narasaraopet.	
Anantapur	Try.	Anantapur.	
Bellary	Genl. duty	Adoni.	
Salem	do.	Salem.	Granted priv. leave for 1 month.
Malabar	Spl. duty	.....	Tempy. Dy. Collr. for Jaumam Regn.

No.	Lingual Attainments.	NAMES.	Date of joining Special Appointment	Salary.
		DEPUTY COLLECTORS (ACTING AND SPECIAL) — conold.		Rs.
11	Tam.	Yakub Sahib Bahadur, § Tahr., Atar.	17 June 1901	250
12	T. S. Tam.	T. S. Chengalvaraya Aiyar, § B.A., Huzur Shr., S. Arcot.	6 July 1901	250
13	Tam.	A. Rajabadar Mudaliyar, B.A., § Tahr., Tiruvallur.	6 Aug. 1901	250
14		J. L. Jacques, Huzur Shr., Malabar	9 Oct. 1901	250
15		Suryanarayana Prasad Rao Pantulu, B.A., Rao Bahadur, Huzur Shr., Vizagapatam.		250
16		Muhammad Basiullah Sahib, Sahib Bahadur, B.A., § Huzur Shr., Bellary.	9 July 1902	250
17		M. Srinivasa Aiyangar, § Tahr., Noga-pam.	21 July 1902	250
18		S. Vasudeva Rao, B.A., § Tahr., Gooty.	23 July 1902	250
19		M. Saketaram Nayudu, § Tahr., Peria-kulam.	17 July 1902	241-1-8
20		N. Ramaswami Nayudu, B.A., Huzur Shr., Ganjam.	27 Nov. 1902	
21		P. Velayuthan, B.A.		
22		A. Katchavesvara Aiyar, Huzur Shr., Cuddapah.		

District.	Duty.	Station.	Remarks.
Kurnool	Genl. duty	Markapur.	
Vizagapatam	Spl. duty		
Anantapur	Genl. duty	Anantapur.	
Malabar	Spl. duty		Temp. Dy. Collr., for Janmam Regu.
Ganjam	do.		Temp.
S. Canara	Genl. duty	Mangalore.	
Cuddapah	do.	Cuddapah	Posted to Cuddapah Try.
Kurnool	do.	Kurnool	Posted to Cuddapah, Genl. duty.
Madura	do.	Madura.	
Ganjam	do.	Chatrapur.	
			Temp. Posted to Settlt. Party No. VI, S. Canara.
Cuddapah	Genl. duty		To act.

TAHSILDARS.

Districts and Taluks.	Names.	Pay.	Districts and Taluks.	Names.	Pay.
		Rs.			Rs.
ANANTAPUR.			ARCOT SOUTH— <i>contd.</i>		
Tadpatri ...	M. Vijaya Raghavulu Nayudu	200	Vridhachalam ...	T. Ramanjulu Nayudu (on dep.)	200
Gooty ...	M. Arumugam Pillai, Rao Bahadur (on dep.)	200		C. Krishnaswami Aiyar, Ag.	
	A. S. Ponnuswami Aiyar, B.A., (Sub. pro tem.)		Kallakurichi ...	V. Murugesam Pillai, B.A. (on dep.)	150
Hindupur ...	A. S. Ponnuswami Aiyar, B.A. (on dep.)	175		A. S. Ramaswami Pillai, B.A., Ag.	
	C. Raghavendra Chari (Sub. pro tem.)		Tiruvannamalai ...	A. S. Ramaswami Pillai	150
Penukonda ...	V. Subbraya Mudaliyar	175	Tirukkoyilur ...	M. Srinivasa Chari	200
Anantapur ...	S. Vasudena Rao, B.A. (on dep.)	175			
	G. Jagannayakulu Nayudu, B.A., Ag.		ESTLART.		
Dharmavaram ...	G. Jagannayakulu Nayudu, B.A. (on dep.)	150			
Kalyandrug ...	D. P. Basi Reddi, B.A.	150	Bellary ...	M. V. Chalapathi Nayudu, Rao Bahadur	225
Mudakasira ...	V. E. Sudarsana Mudaliyar (on dep.)	150		P. Subbaya Mudaliyar, Rao Bahadur	200
	K. Ranga Chari, B.A., Ag.		Adoni ...	M. S. Mascarenhas (on dep.)	200
Gooty and Tadpatri (Local Tahsildar.)	S. C. Srinivasa Chari, B.A.	150	Hospet ...	P. Rama Rao, Ag.	
				M. Sambasiva Rao Nayudu	175
ARCOT NORTH.			Alur ...	A. Janathin Rao Pant.	175
Walajapet ...	C. Ramachandra Aiyar	250	Rayadurg ...	P. Baza Rao, Rao Bahadur (on dep.)	150
Arcot ...	A. Raja Mudaliyar	225	Hadagali ...	K. Ramakrishna Brahmam, Ag.	
Wandiwash ...	T. M. Govinda Chariyar, B.A.	225		K. Ramakrishna Brahmam (on dep.)	150
Gudiyatam ...	F. Narayanaswami Nayudu	200	Harpanahalli ...	R. B. Narayana Chetti, Ag.	
Chittoor ...	M. Srinivasa Chariyar, B.A.	175		C. Venkoba Rao, B.A.	150
Vellore ...	W. Ramalinga Mudaliyar	175	Kudligi ...		
Palmanér ...	V. N. Tiruvengada Mudaliyar	150			
Pôlur ...	T. Rajagopala Aiyangar	150			
Chendragiri ...	A. Gnanaswami Mudaliyar	150	CANARA SOUTH.		
			Mangalore ...	B. Rama Rao (on dep.)	225
ARCOT SOUTH.				B. Shivayya, Ag.	
Tindivanam ...	C. V. Ramachandra Rao	250	Udipi ...	V. Ratna Rao (on dep.)	200
Chidambaram ...	R. Nagasundaram Aiyar, B.A., B.L. (on dep.)	225		M. P. Fernandez, Ag.	
	T. Ramanjulu Nayudu, Ag.		Kasaragod ...	N. P. Fernandez (on dep.)	200
Vilupuram ...	S. Panapapati Sastri, Rao Bahadur	225		Paul Castolino, Ag.	
	C. Krishnaswami Aiyar (on dep.)	200	Upplungadi ...	Paul Castolino, (on dep.)	175
	V. Murugesam Pillai, B.A., Ag.			D. Baba Rao, Ag.	
			Coondapoor ...	B. Baba Rao (on dep.)	150
				Y. Ramakrishnayya, Ag.	

Districts and Taluks.	Names.	Pay.	Districts and Taluks.	Names.	Pay.
		Rs.			Rs.
CHINGLEPUT.			CUDDAPIH— <i>contd.</i>		
Madamalakam ...	V. Damodara Mudaliar, B.A.	225	Palivendla ...	J. Narayana Reddi, B.A.	175
Conjeevaram ...	P. Seshagiri Rao, B.A.	200	Badvel ...	T. Vasudeva Rao	150
Saidapet ...	S. N. V. Raja Chari, B.A. (on dep.)	175	Sidhout ...	V. Seshayya	150
	R. Shudagopa Aiyangar, B.A., Ag.		GANJAM.		
Tiruvallur ...	A. Rajabahadur Mudaliyar, B.A. (on dep.)	150	Berhampore ...	A. Kameswara Rao Nayudu	200
	S. N. V. Raja Chari, B.A., Ag.		Goomsur ...	N. Ramamurti Nayudu (on dep.)	175
Chingleput ...	R. Shudagopa Aiyangar, B.A. (on dep.)	150		N. Venkata Rao Pantulu, Ag.	
	S. Anantaramaiah Aiyar, B.A., B.L., Ag.		Chikacole ...	N. Venkata Rao Pantulu (on dep.)	150
Ponneri ...	M. Sanjivi Nayudu	150		P. Venkataramanayya Pantulu, Ag.	
COIMBATORE.			GODAVARI.		
Erode ...	G. Narayanaswami Aiyar (on dep.)	250	Ramachandrapuram ...	K. Narasimham, B.A. (on dep.)	250
	V. Narasimha Aiyangar, Ag.			Y. Venkata Rao, B.A., Ag.	
Palladam ...	T. M. Sundaram Pillai	225	Narsapur ...	Y. Venkata Rao, B.A. (on dep.)	225
Coimbatore ...	E. T. Vedanayagum Pillai	200		Sayid Vaziruddin, Ag.	
Dharmapuram ...	V. Narasimha Aiyangar	200	Amalapuram ...	S. Narasimham Nayudu	200
			Tanuku ...	Sayid Vaziruddin (on dep.)	200
				Mahammad Ibrahim, Ag.	
Kollegal ...	T. A. Kalikavala Perumal Pillai (on dep.)	150	Bladraelulam ...	A. Appa Rao	175
	Local Allowance	50	Bhimavaram ...	G. Subrahmanyam	175
	C. Rajagopala Aiyar, Ag.		Ellore ...	Mahammad Ibrahim (on dep.)	175
Satyamasgalam ...	S. Krishnamayyar	200		G. Subrahmanyam, Ag.	
Karur ...	R. Srinivasa Aiyar	175	Rajahmundry ...	L. Venkata Krishnayya	175
Pollachi ...	Mir Mahomed Ghous Sahib	175	Peddapuram ...	S. Srinivasa Rao, B.A.	150
Udamalpet ...	Andrew Lazarus (on dep.)	175	Yernagudem ...	Muhammad Ali Sahib	150
			KISTNA.		
Bhavani ...	T. A. Kalikavala Perumal Pillai, Ag.	150	Tenali ...	P. Acharyulu Pantulu	250
	V. V. Ramasubbayya		Bagatla ...	K. Seshachalapati Pantulu, B.A.	225
CUDDAPIH.			Gadivada ...	T. Balaji Rao Nayudu	225
Proddatur ...	G. Surya Narayana Nayudu	150	Guntur ...	M. Mukanteswara	200
Pallampett ...	A. Katchapesswari Aiyar (on dep.)	200	Narsaraopet ...	S. Kuppuswami Chetti, B.A.	200
Kadiri ...	M. N. Varada Chari, Rao Bahadur	225		M. Subba Rao Pantulu, B.A.	200
Vayalpad ...	V. Srivasuka Rao	200	Bandar ...	V. Dakshinamurti Pantulu, B.A.	175
Mudanapalle ...	K. Madhava Rao	175	Sattenapalli ...	T. Raghava Rao Pantulu, B.A.	175
Jammalamadugu ...	S. Srinivasa Chari	175		G. Ekambharayya, B.A.	175
Cuddapah ...	G. Narayanaswami, B.A.	200	Nandigama ...	V. Pattabiramanayya Pantulu	150
Rayachoti ...	C. Krishnamurti Nayudu	150	Nuzvid ...	S. Bramanandam Nayudu, B.A.	150
			Vinnukonda ...	T. Vasudevamurti Pantulu	150

DEPUTY TAHSILDARS AND STATIONARY
SUB-MAGISTRATES.

Divisions.	Names.	Pay.	Divisions.	Names.	Pay.
	ABCOT, NORTH— <i>concl'd.</i>	Rs.		CANARA, SOUTH.	Rs.
	<i>Stationary Sub-Magts.</i>				
Chandragiri (at Tirupeti.)	V. Ranganntha Rao	120	Mangalore Town.....	V. M. Fernandez, B.A., B.L.	100
Chittoor.....	S. Thyagaraja Aiyar, B.A., B.L.	100	Karkal (Udipi Taluk).....	S. Ananda Rao	100
Chandragiri...	S. Sachidanantha Sastri, B.A.	100	Nilashwar.....	Muhammad Khan	100
Aroor.....	T. N. Subbaramayya	100	Bantwal.....	Y. Ramakrishnayya	100
Ambar.....	K. Narasinga Rao	100	Beltangudi (Uppinanga- di Taluk).....	A. Devappa Punja, B.A., B.L.	100
Gudiyatam...	V. Dasayana Aiyangar	100			
Wallajahpet...	D. V. Srikanthaya, B.A.	100			
Wandewash...	S. Venkata Subbairar, B.A.	100			
Polar.....	A. Rangasawmy Nayakar	100			
	ABCOT, SOUTH.				
Mannargudi...	M. Sabapathi Mudali- yar, B.A.	100			
Vanar.....	Said Ahmad Badshaw, B.A.	100			
Tittagudi.....	T. Srinivasa Aiyangar	100			
Gingi.....	T. A. Rajendram Pillai	100			
Chengam.....	A. Venkata Krishna Aiyar	100			
Pazhudi.....	R. Srinivasa Aiyangar, B.A.	100			
Ulundarpett...	P. V. Damodaram Na- yudu, B.A.	100			
Bhavahagiri...	N. S. Natesa Aiyar, B.A., B.L.	100			
Merkanam.....	K. Narayanaswami Ai- yar, B.A.	100			
	<i>Stationary Sub-Magts.</i>				
Cuddalore.....	A. S. Ramaswami Pil- lai, B.A.	120			
Chidambaram...	C. P. Doraswami Chetti, B.A.	120			
Tindivanam...	P. Ramachandra Aiyar, B.A.	100			
Vridhachalam...	V. Rangaswami Aiyar, B.A.	120			
Tirukoilar.....	C. S. Sivarasa Krishna Sarma, B.A., B.L.	100			
Villuputur...	C. S. Ponnuswami Modalliar	100			
Kallakurichi...	P. Varadarajulu Na- yudu	100			
Tiruvannam- alai	S. Krishnaswami Aiyar, B.A.	100			
	BELLARY.				
Bellary Town...	P. Sivarasa	120			
Siragappu.....	R. B. Narayana Chetti	100			
Yemiganoor...	T. Subbamiyalayya, B.A.	100			
	<i>Stationary Sub-Magts.</i>				
Kudligi.....	P. Venkatasubbayya, B.A.	100			
Bellary.....	V. Krishna Rao, B.A.	100			
Adont.....	P. Venkoba Chari, B.A.	100			
Hospet.....	C. N. Subbamiya Aiyar	100			

Divisions.	Names.	Pay.	Divisions.	Names.	Pay.
	COIMBATORE— <i>concl'd.</i>	Rs.		GANJAM— <i>concl'd.</i>	Rs.
	<i>Stationary Sub-Magts.</i>				
Gopichettipa- layam.....	R. Venkataramana Aiyar, B.A.	100	Ganjam.....	S. Lakshminarasu Pan- tulu	100
Coimbatore....	O. Sarjeeva Rao	120	Berhampore Town.....	U. V. Gopala Rao Pan- tulu	120
Erode.....	K. V. Ramaswami Ai- yar	100	Sompetta.....	G. A. Narasimha Rao Nayudu	100
Polladam.....	C. P. Venkatarama- nappa, B.A.	100			
Dharapuram...	P. Tangavelu Muda- liyar, B.A.	100			
Kanur.....	L. B. Parashothama Nayudu	100			
Pollachi.....	R. Subbamiya Aiyar, B.A.	100			
Udamalpet...	K. Subbaramayya, B.A.	100			
	CUDDAPAH.				
Cuddapah Town.....	T. N. Govindha Rajulu Nayudu	100			
Chitwail.....	D. Nagabushanam Rao	100			
Kamalapuram...	N. Narasinga Rao	100			
Piler.....	R. Narayana Rao	100			
	<i>Stationary Sub-Magts.</i>				
Cuddapah.....	H. Seshagiri Rao	100			
Pullampett...	C. Mahadeva Sastri	100			
Pulivendla...	C. Venkoba Rao	100			
Proddattur...	T. Vasudeva Rao, B.A.	100			
Jammalamada- ga.....	C. Ramajulu Nayudu	100			
Kadli.....	S. V. Sundara Charlu	100			
Mudanapalli...	A. Krishnaswami Na- yudu, B.A.	100			
Rayachoti.....	T. N. Krishna Rao	100			
	GANJAM.				
Parlakimedi...	K. Rajagopala Rao Pan- tulu	120			
Tekkali.....	P. Minakshi Sundaram Pillai, B.A.	120			
Ichhapuram...	T. Venkata Reddi Na- yudu	120			
Purushotapur...	S. Ramamurti Pantulu	120			
Ashta.....	Upendra Patnaik	120			
Narmapetta...	S. Alwardeo Nayudu	100			
Sumda.....	N. Raghavudu Pan- tulu	120			

* Draws also local allowance of Rs. 15.
† Includes do. Rs. 100.
‡ Do. do. Rs. 80.

Divisions.	Names.	Pay.	Divisions.	Names.	Pay.
GODAVARI—concl'd. Rs.			KURNOOL—concl'd. Rs.		
Stationary Sub-Magts.			Stationary Sub-Magts.		
Rajahmundry.	T. Venkata Ramayya	120	Nandyal.	P. Rajagopal Nayudu	100
Ellore.	T. S. Soraajulu	120	Pattikonda.	P. N. Lakshmi Nara-	100
Narasapur.	N. Venkayya	120		simha Chari, B.A.	
Amalapuram.	V. Appa Rao Pantulu,	120	MADURA.		
	B.A.		Madura Town.	K. Swaminatha Aiyar,	120
Ramachandra-	E. Perayya Sastri, B.A.	100		B.A.	
puram.	A. Krishnama Raz	100	Tiruchali.		
Tanuku.	G. V. Krishna Rao	100	(Truppakota).	J. Ganapathi Pillai, B.A.	120
Bhimavaram.	A. Ramachandra Rao	100	Ramund.	G. Jagannatha Aiyar,	120
Peddapuram.				B.A., B.L.	
Yernagudem	D. Venkata Ratnam	100	Sivaganga.	B. S. Venkateswara	120
(Kovur).				Aiyar	
KISTNA.			Tirupatur.	A. R. Rajagopala	120
Juggayyapetta.	B. Raghava Chari	100		Chetti, B.A.	
Mangalagiri.	P. Kumaraju Pantulu,	100	Mutukalatur.	A. Ananthorai Aiyar	120
	B.A.		Tiruvadan.	S. Mathusundaram	120
Tummarakota.	V. Venkata Narasayya	100		Aiyar	
	Pantulu		Usilampati.	V. Swaminatha Aiyar	100
Kalkal.	Munshi Mohi-uddin	100	Nellacottah.	S. Muhamad Hussain	100
	Hussain Sahib			Sahib	
Aravigadda.	C. Bakhtavatsaludu Na-	100	Vedasundoor.	A. Ayyaswami Sastri-	100
	yudu			yar, B.A.	
Ponnur.	P. T. Srinivasa Chari,	100	Uttampolhem.	S. Venkoba Rao	100
	B.A., B.L.		Kodakur.		
Tiruvur.	S. Raghavendra Rao	120	Hills.	L. A. Cammiade, B.A.	*150
	Pantulu		Paramagudi.	T. Kothandarama Aiyar	120
Repalli.	V. Parabrahma Sastri,	100			
			Stationary Sub-Magts.		
Stationary Sub-Magts.			Tirumangalam.	R. Rajagopala Chari,	100
Bezwa.	M. V. Lakshminarayana	100		B.A.	
	Rao Pantulu		Pervakolam.	P. Sama Aiyar	120
Nannurpet.	T. Shadogopa Pillai	100	Melur.	P. S. Veluswami Servai	100
Guntoor.	K. Manikya Rao Pan-	100		Sahib	
	tulu, B.A.		Dindigul.	I. Thiagarama Aiyar	120
Bandur Town.	V. Suryanarayana Pan-	100	Palm.	Sa'id Muhideen Sahib	120
	tulu		Madura Taluk.	C. Chokalingam Pillai	120
Bapatla.	D. V. Subba Rao Pan-	100	MALABAR.		
	tulu		Cannanore		
Godavada.	T. P. L. Narasimha	100	Town.	K. Gopala Menon	120
	Achary, B.A.		Taliparamba.	M. A. Gopala Krishna	120
Sattenapalle.	Muhamad Unwarulla	100		Aiyar	
	Sahib		Calicut Town.	P. Govindan	120
Tenali.	S. Vijaya Saradhi Ai-	100	Tangacherry.	K. Kunjuni Menon	100
	yangar		Chavakkad.	S. Ramachandra Aiyar,	100
Guzulu.	P. Subhanadri	100		B.A.	
KURNOOL.			Chowghat.	K. V. Ramaswami Aiyar	100
Ook.	M. Krishnamurthi Rao	100	Betampthian-	K. Chantur	100
Kurnool Town.	A. Doraswami Aiyar,	100	gadi.		
	B.A.		Alatur.	T. V. Krishna Aiyar	100
Atmakur.	H. M. D. J. Hussain	100		B.A.	
Kalwa.	P. Venkoba Rao	100	Cherpulcheri.	K. R. Narayana Aiyar,	100
Pypalli.	B. Narasinga Rao	100		B.A.	
			Anjengo.	Sa'id Obadallah Sahib	100
			Ottapalam.	T. C. Govinda Kurup.	100
			Vythri.	P. A. Sankuni Menon	100
			Kuttaparamba.	T. Govindan	100
			Quilandy.	P. Sankuni Menon	100

* Includes local allowance of Rs. 30.

Divisions.	Names.	Pay.	Divisions.	Names.	Pay.
MALABAR—concl'd. Rs.			SALEM—concl'd. Rs.		
Stationary Sub-Magts.			Stationary Sub-Magts.		
Walwansd.	H. Fernandez	100	Omalur.	S. Venkatasubbaiah	100
Badagara.	B. K. Madhavan Nam-	120	Shervaroy		
	bivar		Hills, (Yer-		
Calicut.	A. H. deRozario	120	caud)	A. V. deRozario	1100
Ernad.	P. C. Ramasami Aiyar,	120	Sankagherry		
	B.A.		Droog.	Sa'id Abdul Khadir	100
Kottayam.	P. A. Sankuni Menon	100		Sahib	
Palghat.	V. V. Kunhi Ramam	120	Vaniembadi.	Muhamad Abdul Hafiz	100
Cherakal.	P. Sukumaran	130		Sahib, Khan Sahib,	
Ponni.	T. K. Mathai	200		B.A.	
Tellicherry.	A. Thiagaraja Aiyar	100	Deankinikota.	K. V. Srinaga Chari-	100
Theruvazhudi.	K. Kuthiraman	100		yar	
Wynaad.	C. Krishna Aiyar	60	Raxipur.	V. Subba Narasa Aiyar,	100
				B.A.	
			Ponnagaram.	M. Ghouse Sahib	100
			Harur.	P. Bhavani Saikara	100
				Rao	
NILGIRIS.			Stationary Sub-Magts.		
Ootacamund.	K. Sitharama Aiyar,	*100	Salem.	R. V. Krishnaswami	100
	B.A.			Aiyar	
Gudalur.	N. Natesa Sastri	*150	Namukul.	C. Seshadria Chariyar.	100
Coonoor.	A. N. Venkatarama	*100	Atur.	K. Narasinga Rao	100
	Aiyar		Tirupatur.	P. Desika Chariyar,	100
				B.A.	
Stationary Sub-Magts.			TANJORE.		
Coonoor.	A. Rajahbahadur Mod-	*100	Kombakonum.	A. Muktidharamaram	100
	liya, B.A.			Mudaliyar, B.A.	
NELLORE.			Kodavasil.	S. Arokiaswami Pillai	100
Venkatagheri.	M. Purishottama Rao,	140	Vallam.	A. Sivakolandu Mudali-	120
	B.A.			yar, B.A.	
Allur.	V. Ananthanarayana	120	Tiruvendur.	P. R. Krishnaswami	100
	Sastri, B.A.			Aiyar, B.A.	
Addanki.	A. Narayana Aiyar, B.A.	100	Trivallur.	C. Panchapakasha	100
Polur.	B. Narayana Rao	120		Aiyar	
Podili.	C. Rama Rao	120	Tranquebar.	T. N. Vaideanatha	100
Darsi.	K. Lakshminarasu	120		Aiyar	
	Nayudu		Vedaraniem.	S. Muthusami Aiyar	100
Kotah.	B. Ranga Reddi	100	Nedamunga-		
			lum.	C. P. Raghava Chari	120
Stationary Sub-Magts.			Aranthangi.	S. Sundaram Aiyar	120
Nellore.	G. Mangupathy Nayudu,	120	Tiravadi.	P. Rasvisvaingam Pill-	100
	B.A.			ai, B.A., B.L.	
Kandakur.	M. Selvapathi Rao	100	Stationary Sub-Magts.		
	Nayudu, B.A.		Tanjore.	R. Ramachandra Aiyar,	120
Ongole.	C. Srinivasa Rao	100		B.A.	
Gudur.	K. M. Narasimha Chari	100	Negapatam.	T. Kanagasabhaiah	100
Atmakur.	J. Venkata Narayana	100		Aiyar, B.A.	
	Nayudu, B.A., B.L.		Nannilam.	V. Ramachandra Rao	100
			Shiyali.	T. S. Swaminatha	120
SALEM.				Aiyar, B.A.	
Salem Town.	S. R. Venkatarayulu	100	Mayavaram.	M. Agniwami Pillai,	120
	Nayudu			B.A.	
Paramati.	H. R. Srinivasa Aiyar,	100	Kombakonum.	Muhamad Abdul Hie	120
	gar, B.A.			Sahib	
			Pudukota.	A. S. David Pillai, B.A.	120

* Draws also local allowance of Rs. 25. + Draws also local allowances of Rs. 15.
† Draws also local allowance of Rs. 30.

Divisions.	Names.	Pay.	Divisions.	Names.	Pay.
TANJORE— <i>concl'd.</i>	Ba.		TRICHINOPOLY— <i>concl'd.</i>	Rs.	
Stationary Sub-Magts.			Stationary Sub-Magts.		
Mannargudi T. S. Vamana Rao, B.A.	100	Trichinopoly	A. Sitarana Aiyar	120	
Tiruturupundi Y. V. Srinivasa Aiyar, B.A.	100	Muziri	A. P. Singaravelu Pillai, B.A.	100	
		Kulitalai	Muhamad Fakrudin Sahib	100	
		Perumbalur	S. A. Visvanatha Pillai	120	
TINNEVELLY.					
Kulasagarapattam	Panchapakeen Aiyar, B.A., B.L.	100	VIZAGAPATAM.		
Palamasottai	V. Padmanabha Aiyar, B.A.	100	Ashtapalli	J. Venkata Pantulu	120
Villatikolam	P. E. Subramaniya Aiyar, B.A.	100	Vizagapatam	S. Kuttappa Rao Pantulu	120
Radapuram	Dharmasanga Easu	100	Bimkapattam	G. Ramamurthi Rao Nayudu	120
Vidupatti	P. N. Mahomad Mirza Sahib, B.A.	100	Vizianagaram	V. Srinivasaraya Pantulu	120
Vattiraiappu	O. Sesha Aiyar, B.A.	100	Satur	C. Somayajulu Pantulu	120
Tuticorin	A. Perinichidin Sahib	100	Bobbili	S. V. Ramaswamy Pantulu	120
			Parvatipur	T. Govinda Rao Pantulu	120
Stationary Sub-Magts.			Srungavaraputta	M. Jaya Rao Pantulu	100
Srivattuntam	Somasundara Mudaliar	100	Chodavaram	V. Sanyasi Chetti	100
Sankaranainarkovil	L. Kallianasa Pillai	100	Ganapattinam	P. Venkata Sastri	100
Srivellipattar	B. Mohideen Khan Lodi Sahib	100	Chipuripalli	S. V. Narasimha Chari	100
Ottipadaram	K. S. Ramachandra Aiyar	100			
Tenkasi	T. Vemba Aiyar	100			
Tinnevely	N. Velayudha Pillai	100			
Nanguneri	N. David, B.A., B.L.	100			
Ambasamudram	P. S. Subramaniya Dasaratni, B.A.	100			
Satur	S. Ekanabasu Aiyar, B.A.	100			
			Agency Tracts.		
Special Sub-Magts.			Gunapar	G. Appa Rao Nayudu	200
Surandai	S. S. William Pillai, B.A.	100	Rayagada	Sitharam Bhargava	120
Sivakasi	T. S. Sankaraningam Pillai, B.A.	100	Noranganpur	P. Jagannayaka Nayudu	150
Nanguneri	K. S. Ramachandra Aiyar	100	Malkangheri	C. Suryanarayana Rao	120
			Jeypore	S. Andanayana Nayudu	120
			Koraput	F. Veeraraja Pantulu	120
			Padawa	C. V. N. Indra Deo Nayudu	120
TRICHINOPOLY.			Potingi	N. Balaramaswami Pantulu	120
Trichinopoly Town	P. K. Rajaram Aiyar	120	Bissem Cuttac	D. Paramaswamy Nayudu	100
Torreyer	P. S. Venkatasubramaniya Aiyar, B.A.	100			
Mampalli	P. S. Vaidyanatha Aiyar, B.A.	100			
Kilapalavur	G. Muhammad Sarwar Sahib	120			
Lalgudi	R. Srinagana Mudaliyar, B.A.	100			
Jayan konda	A. P. Singaravelu Pillai, B.A.	100			
Solapuram					

* Draws also a local allowance of Rs. 50.

† Do. do. do. Rs. 50.

HUZUR SHERISTADARS.

District.	Names.	Pay.	District.	Names.	Pay.
Anantapur	A. V. Subbayya Chetti, B.A.	200	Kistna	G. Lakshmikantha Rao, Pantulu	225
Arcoot, North	B. S. Venkataramana Sarma, B.A.	225	Kurnool	V. K. Anantakrishna Aiyar, B.A.	200
Arcoot, South	T. S. Chingalaraya Aiyar, B.A.	225	Madras	V. A. Ramaswami Aiyar	200
Bellary	Muhamad Bazdallah Sahib, B.A.	200	Madura	S. Rangaswami Aiyar, B.A.	200
Canara, South	A. Vasudeva Poi	200	Malabar	J. L. Jacques	225
Chingleput	V. Srinivasa Chari, B.A.	200	Nilgiris	S. Narasimha Aiyar	175
Coimbatore	P. S. Vasudeva Rao, B.A.	225	Nellore	K. Sitapati Rao	225
Cuddapah	V. Krishnappa Chari, B.A.	200	Salem	A. Vedaehela Aiyar, B.A.	225
Ganjam	P. Srikrishna Patrudu, B.A., (on dep.)	200	Tanjore	T. N. Sivagnanan Pillai, B.A.	225
	V. Ramamurti Nayudu, B.A., (Sub. pro tem.)		Tinnevely	T. Sesha Aiyar, B.A.	225
Godavari	P. Nagesa Rao Pantulu, B.A., B.L.	225	Trichinopoly	N. Srinivasa Rao, B.A.	225
			Vizagapatam	Rai Bahadur S. Suryanarayana Row Pantulu, B.A.	200

† Local allowance of Rs. 25.

FOREST DEPARTMENT.

The scale of Controlling Establishment sanctioned by H.M.'s Secretary of State for India is as follows:—

(1) UPPER CONTROLLING STAFF.		RS.
1 Conservator, 1st Grade		1,600
1 Do. 2nd do.		1,400
1 Do. 3rd do.		1,200
3 Deputy Conservators, 1st Grade		900 each.
4 Do. do. 2nd do.		800 "
7 Do. do. 3rd do.		650 "
8 Do. do. 4th do.		550 "
1 Extra Deputy Conservator, 3rd Grade		500 "
5 Assistant Conservators, 1st Grade		450 "
5 Do. do. 2nd do.		350 "
(2) LOWER CONTROLLING STAFF.		
5 Extra Assistant Conservators, 1st Grade		350 each.
7 Do. do. 2nd do.		300 "
4 Do. do. 3rd do.		250 "
4 Do. do. 4th do.		200 "

According to this scale the Officers of the Department have been graded as under:—

No.	NAME.	Pay.	Allow. Rs.	Districts where serving.
CONTROLLING STAFF.				
(1) UPPER CONTROLLING STAFF.				
	Conservator, 1st Grade (1)—Pay Rs. 1,600.			
1	Mr. E. D. M. Hooper	1,600		Central Circle.
	Conservator, 2nd Grade (1)—Pay Rs. 1,400.			
2	Mr. H. A. Goss	1,400		On furlough.
	„ C. E. Brasier	1,200	200	Southern Circle, in charge.

* Officers admitted by the Secretary of State to the European Service Leave Rules of Civil Service Regulations.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
CONTROLLING STAFF— <i>contd.</i>				
(1) UPPER CONTROLLING STAFF— <i>contd.</i>				
Conservator, 3rd Grade (1)— Pay Rs. 1,200.				
3	Mr. C. B. Braster.....	1,200	...	Southern Circle, in charge.
"	H. J. A. Porter.....	900	240	Northern Circle.—Ag. in 3rd Grade.
Deputy Conservators, 1st Grade (3)— Pay Rs. 900.				
4	Mr. G. Hadfield.....	900	...	Nilgiris.
5	" H. J. A. Porter.....	900	...	Acting Conservator, 3rd Grade, Northern Circle.
6	" A. W. Lushington.....	900	...	North Coimbatore.
Acting.				
"	Mr. T. P. Peaks.....	800	A. A.	South Arcot.
Deputy Conservators, 2nd Grade (4)— Pay Rs. 800.				
7	Mr. T. P. Peaks.....	800	...	South Arcot.—Ag. in 1st Grade.
8	" F. A. Lodge.....	800	...	South Salem.
9	" J. S. Battis.....	800	...	Kannool.
10	" E. B. Murray.....	800	...	Nullore.
Acting.				
"	Mr. P. M. Lushington.....	650	150	Tinnevely.
Deputy Conservators, 3rd Grade (7)— Pay Rs. 650.				
11	Mr. P. M. Lushington.....	650	...	Tinnevely.—Ag. in 2nd Grade.
12	" C. D. A. Mearby.....	650	...	Chief Forest Officer, Coorg.
13	" A. P. Grenfell.....	650	...	(On furlough).
14	" C. du Pré Thurston.....	650	...	North Arcot.
15	" A. B. Jackson.....	650	...	South Coimbatore.
16	" R. McIntosh, M.A.....	650	...	Deputed to the Forest School.
17	" G. F. F. Poulkes.....	650	...	(On furlough).
"	H. E. Bryant.....	650	...	Madura.
Acting.				
"	Mr. H. A. Latham.....	550	100	South Canara.
"	H. F. A. Wood.....	550	100	Godavari.
Deputy Conservators, 4th Grade (5)— Pay Rs. 550.				
18	Mr. F. C. L. Cowley-Brown.....	550	...	(On furlough).
19	" H. A. Latham.....	550	...	South Canara.—Ag. in 3rd Grade.— (On furlough).
20	" S. Cox.....	550	...	(On furlough).
21	" H. F. A. Wood.....	550	...	Godavari.—Ag. in 3rd Grade.
22	" H. Tirumana.....	550	100	North Malabar.
23	" C. E. C. Fischer.....	550	...	Gangam.
24	" H. F. Armstrong.....	550	...	Bellary.
Acting.				
"	Mr. J. S. Scott.....	450	100	Cuddapah.
"	C. B. Dawson.....	450	100	Kistna.
Asst. Conservators, 1st Grade (3)— Pay Rs. 450.				
25	Mr. J. L. MacLeary.....	450	...	Salem.
26	" J. S. Scott.....	450	...	Cuddapah.—Ag. Deputy Conser- vator, 4th Grade.
27	" C. B. Dawson.....	450	...	do.

* Officers admitted by the Secretary of State to the European Service Leave Rules of the Civil Service Regulations.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
CONTROLLING STAFF— <i>contd.</i>				
(1) UPPER CONTROLLING STAFF— <i>contd.</i>				
Acting.				
	Mr. B. H. Barlow Pool.....	850	A. A. 100	Anantapur.
	W. Aitchison.....	350	A. A. 100	Vizagapatam.
Asst. Conservator, 2nd Grade (1)— Pay Rs. 350.				
29	Mr. B. H. Barlow Pool.....	350	...	Anantapur.—Ag. in 1st Grade
30	W. Aitchison.....	350	...	Vizagapatam,— do.
31	R. W. Richmond.....	350	...	Coimbatore.
Extra Deputy Conservator, 3rd Grade, (1) —Pay Rs. 500.				
1	Muttamah, Rai Bahadur.....	500	...	On Foreign Service in Mysore.
(3) LOWER CONTROLLING STAFF.				
Extra Asst. Conservators, 1st Grade (5) —Pay Rs. 350.				
	Mr. C. A. Eber Hardie.....	350	...	On Foreign Service in Jeypore.
	V. Alwar Chetty, B.A.....	350	...	On Foreign Service in Cochin State.
1	T. M. Nallaswami Nayudu.....	350	...	Trichinopoly cum Tanjore.
2	Mr. T. N. Hearsey.....	350	...	Coorg.
3	C. J. Woutersz.....	300	...	Ag. Dist. Forest Officer, Chin- gapat.
4	V. A. Parthasarathy Mudaliar.....	250	L. A. 50	Forest Asst., Office of the Board of Revenue (L. R.).
5	Mr. F. A. Seager.....	300	...	Kurnool.
Extra Asst. Conservators, 2nd Grade (7)— Pay Rs. 300.				
6	Mr. S. C. Moss.....	300	...	North Arcot.
7	H. H. Ward.....	300	...	Nullore.
8	T. G. A. Gaudin.....	300	...	North Arcot.
9	M. Rama Row.....	300	...	North Salem.
10	V. S. Guruswami Pillai.....	300	...	Vellore.—Working Plans Officer, Central Circle.
11	C. M. Maduranayagam Pillai.....	300	...	South Arcot.
12	Vacant.			
Extra Asst. Conservators, 3rd Grade (4)— Pay Rs. 200.				
13	T. Bapu Rao.....	250	...	Cuddapah.
14	} Vacant.			
15				
16				
Extra Asst. Conservators, 4th Grade (3) —Pay Rs. 200.				
17	Mr. H. J. McLaughlin.....	200	...	Godavari.
18	H. O'Neill.....	200	...	Tinnevely.
19	N. M. Rego.....	200	...	Working Plans Officer Northern Circle.
20	J. Tapp.....	200	...	Kurnool.
	Syed Burhanuddin Hussain.....	200	...	Salem.
	Mr. E. C. M. Mascarenhas.....	200	...	Ag. Dist. Forest Officer, South Canara.
	Kalyanaswami Aiyar.....	200	...	Kurnool.
	Mr. M. J. A. Daly.....	200	...	Salem.

On
proba-
tion
for 1
year.

The following Executive Staff is employed under the sanction of the Local Government:—

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
EXECUTIVE STAFF.				
SOUTHERN CIRCLE.				
<i>Rangers.</i>				
<i>1st Grade—Pay Rs. 150.</i>				
1	Mr. H. O'Neill	150	15	Tinnevely.
2	E. C. M. Mascarenhas	150	15	South Canara. } Probationary E.A.C. 4th Gr.
<i>Acting.</i>				
	Mr. A. G. VanHaeflen	125	A.A. 25 C.A. 15	South Malabar.
<i>2nd Grade—Pay Rs. 125 + 15 Con- veyance Allowance.</i>				
1	V. P. Ramalingam Pillai	125	15	Madura.
2	Mr. A. G. VanHaeflen	125	15	South Malabar.—Ag. in 1st Gr.
3	U. Sandram Pillai	125	15	Nilgiris.
4	A. S. Mariyapragasam Pillai	125	15	Tinnevely.
<i>Acting.</i>				
	Mr. A. B. Myers	100	A.A. 25 C.A. 15	South Coimbatore.
	M. S. Noranba	100	A.A. 25	Nilgiris.
	A. F. X. Saldanha	100	C.A. 15 C.A. 15	Do.
<i>3rd Grade—Pay Rs. 100 + 15 Conveyance Allowance.</i>				
1	Mr. M. S. Noranba	100	15	Nilgiris.—Ag. in 2nd Grade.
2	A. B. Myers	100	15	Do. do.
3	A. F. X. Saldanha	100	C.A. 15	Nilgiris.
4	Panchapakesa Aiyar	100	C.A. 15	South Coimbatore.
	C. S. Venkattramanna Aiyar	80	A.A. 20 C.A. 15	South Canara.
	T. V. Arumugam Pillai	80	A.A. 20 C.A. 15	North Coimbatore.
<i>4th Grade—Pay Rs. 80 + 15 Conveyance Allowance.</i>				
1	A. R. Rama Rao	80	15	North Coimbatore.
2	C. S. Venkattramanna Aiyar	80	15	South Canara.—Ag. in 3rd Gr.
3	T. V. Arumugam Pillai	80	15	North Coimbatore. do.
4	K. Saiyid Edulla Sahib	80	15	Do.
5	S. Kuppusawmi Chetti	80	15	Tinnevely.
6	V. Raman Menon	80	15	Madura.
7	M. Srinivasa Aiyangar	80	15	South Coimbatore.
<i>Acting.</i>				
	P. Venkatakrishnama Nayudu	60	A.A. 2 C.A. 15	South Canara.
	C. S. Jesudasan Pillai	60	A.A. 20 C.A. 15	Madura.
	K. Gajaraja Mudaliar	60	A.A. 20 C.A. 15	South Coimbatore.
	Mr. B. D'Sa	60	A.A. 20 C.A. 15	Madura.
	F. S. Brito	60	A.A. 20 C.A. 15	Nilgiris.

Executive Staff employed under the sanction of the Local Government—contd.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
EXECUTIVE STAFF—contd.				
SOUTHERN CIRCLE—contd.				
<i>Rangers—contd.</i>				
<i>5th Grade pay Rs. 150—contd.</i>				
<i>6th Grade—Pay Rs. 60 + 15 Conveyance Allowance.</i>				
1	P. Venkatakrishnama Nayudu	60	15	South Canara.—Ag. in 4th Gr.
2	K. Gajaraja Mudaliar	60	15	Tinnevely.—do.
3	C. S. Jesudasan Pillai	60	15	Madura.—do.
4	Mr. B. D'Sa	60	15	Do.—do.
5	S. Solomon	60	15	Tinnevely.
6	A. P. Singaravelu Mudaliar	60	15	Do.
7	Mr. F. S. Brito	60	15	Nilgiris.—do.
8	L. S. James	60	15	South Coimbatore.
9	C. Hammond	60	15	North Coimbatore.
10	J. P. Nazareth	60	C.A. 15	Tinnevely.
11	G. S. Lasrado	60	C.A. 15	North Malabar.
<i>Acting.</i>				
	M. P. Govindan	50	A.A. 10 C.A. 15	South Malabar.
<i>6th Grade—Pay Rs. 50 + 15 Conveyance Allowance.</i>				
1	M. P. Govindan	50	15	South Malabar.—Ag. in 5th Gr.
2	S. V. Venkattramanna Aiyar	50	15	Madura.
3	K. S. Narayana Aiyangar	50	15	North Coimbatore.
4	K. Aiyadurai Aiyangar	50	15	South Coimbatore.
<i>Acting.</i>				
	Mr. A. P. McKoy	40	A.A. 10 C.A. 15	South Canara.
	M. R. Ramaswamy Aiyangar	40	A.A. 10 C.A. 15	North Coimbatore.
	Sayid Isbey Sahib	40	A.A. 10 C.A. 15	South Canara (temporary).
CENTRAL CIRCLE.				
(3) Rangers.				
<i>1st Grade—Pay Rs. 150 + 15 Conveyance Allowance.</i>				
1	Mr. N. M. Bejo	150	15	Working Plans Officer, Northern Circle.—Probationary E.A. C. 4th Grade.
2	Saiyed Barhanuddin Hussain Sahib	150	15	Salem.—do.
3	Mr. J. A. Daly	150	15	Do.—do.
<i>2nd Grade—Pay Rs. 125 + 15 Con- veyance Allowance.</i>				
1	T. Arumuga Mudaliar	125	C.A. 15	North Arcot.
<i>Acting.</i>				
	C. Subramanya Aiyar	100	A.A. 25 C.A. 15	Nellore.
	A. N. Hanumantha Rao	100	do.	South Salem.
	A. P. Ramachandra Mudaliar	100	do.	Tanjore.

Executive Staff employed under the sanction of the Local Government—contd.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
EXECUTIVE STAFF—contd.				
CENTRAL CIRCLE—contd.				
Rangers—contd.				
3rd Grade—Pay Rs. 100 + 15 Con- veyance Allowance.				
1	M. Shams-ud-din Sahib	100	15	Nellore.
2	C. Subramania Aiyar	100	15	Nellore—Ag. in 2nd Grade.
3	A. N. Hanumantha Rao	100	15	South Salem. do.
4	A. P. Ramachandra Mudaliar	100	15	Tanjore. do.
5	M. Callan	100	15	Nellore.
Acting.				
	T. Shanmuga Mudaliar	80	A. A. 20 C. A. 15	Cuddapah.
	C. Rajagopala Nayudu	80	do.	North Arcot.
	A. Subba Rao	80	A. A. 20 C. A. 15	Do.
	K. P. Krishna Aiyar	80	do.	Direction.
4th Grade—Pay Rs. 80 + 15 Con- veyance Allowance.				
1	T. Shanmuga Mudaliar	80	15	Cuddapah.—Acting in 3rd Grade.
2	C. Rajagopala Nayudu	80	15	North Arcot. do.
3	A. Subba Rao	80	15	Do. do.
4	T. Subroya Nayudu	80	15	Cuddapah.
5	K. P. Krishna Aiyar	80	15	Direction. do.
7	A. N. Venkatasubram Chetty	80	C. A. 15	North Salem.
Acting.				
	V. Subramanya Aiyar	80	do.	North Salem.—Supernumerary Ranger.
	A. Venkatasubram Aiyar	60	A. A. 20 C. A. 15	North Arcot.
5th Grade—Pay Rs. 50 + 15 Con- veyance Allowance.				
1	K. G. Subba Rao	50	15	Chingleput.
2	A. Venkatasubramiah	50	15	North Arcot.—Ag. in 4th Grade.
3	B. Sama Rao	50	15	South Arcot.
4	Mr. E. W. A. Gaudoin	60	C. A. 15	Cuddapah.
5	C. Ramaswamy Aiyengar	60	C. A. 15	Trichinopoly.
6	Mr. Jafar Ali Kirmani Sahib	60	C. A. 15	Cuddapah.
6th Grade—Pay Rs. 50 + 15 Con- veyance Allowance.				
1	V. Subramanya Aiyar	50	15	Salem.—Ranger, 4th Grade.
2	M. Abdul Rahman Sahib	50	15	North Arcot.
3	F. V. Alagiriswamy Naidu	50	15	Trichinopoly.
4	C. A. Hanumantha Aiyar	50	15	South Salem.
5	K. H. Manickam Mudaliar	50	15	South Arcot.
6	T. A. Arappa	50	15	South Salem.
7	P. Ramaswamy Mudaliar	50	15	South Arcot.
8	S. Lakshmanappa Nayudu	50	15	Cuddapah.
9	L. Venkataswami Nayudu	50	15	Trichinopoly.
10	T. S. Subramanya Aiyar	50	15	Cuddapah.

Executive Staff employed under the sanction of the Local Government—contd.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
EXECUTIVE STAFF—contd.				
CENTRAL CIRCLE—contd.				
6th Grade—Pay Rs. 50 + 15 Con- veyance Allowance—contd.				
Acting.				
	B. Sreenivasa Raghava Chetty	40	C. A. 15 A. A. 10	South Salem.
	S. Vasudera Reddi	40	C. A. 15 A. A. 10	Dehra Dun.
	T. Krishnaswamy Aiyengar	40	C. A. 15 A. A. 10	South Arcot.
	D. A. Chellappa Pillai	35	C. A. 15 A. A. 15	Cuddapah.
	V. Srinivasachari	35	C. A. 15 A. A. 15	South Arcot.
	C. Balayya Naidu	35	C. A. 15 A. A. 15	Nellore.
NORTHERN CIRCLE.				
1st Grade—Pay Rs. 150 + 15 Con- veyance Allowance.				
1	Mr. J. Tapp	150	C. A. 15	Kurnool.—Probationary 4th Grade. E.A.C.
2	V. Kalyanarama Aiyar	150	C. A. 15	Kurnool. do. do.
Acting.				
	P. Ananda Rao	125	A. A. 25 C. A. 15	Kurnool.
	L. Hanumanthulu	125	A. A. 25 C. A. 15	Ganjam.
2nd Grade—Pay Rs. 125 + 15 Con- veyance Allowance.				
1	N. S. Vira Chavala	125	15	Kistna.
2	P. Ananda Rao	125	15	Kurnool.—Ag. in 1st Grade.
3	L. Hanumanthulu	125	15	Ganjam. do.
Acting.				
	Mr. G. W. Thompson	100	A. A. 25 C. A. 15	Vizagapatam.
	S. Eggyanarayana Sastri	100	A. A. 25 C. A. 15	Ganjam.
3rd Grade—Pay Rs. 100 + 15 Conveyance Allowance.				
1	Mr. G. W. Thompson	100	15	Vizagapatam.—Ag. in 2nd Grade.
2	S. Eggyanarayana Sastri	100	15	Ganjam. do.
3	K. Rama Rao	100	15	Ganjam.
4	K. Aswatham Nayudu	100	C. A. 15	Kurnool.
Acting.				
	K. S. Krishnamachari	80	A. A. 20 C. A. 15	Godavari.
4th Grade—Pay Rs. 80 + 15 Con- veyance Allowance.				
1	N. S. Ananthachari	80	15	Kistna.
2	K. S. Krishnamachari	80	15	Godavari. do.
3	Mr. D. A. Stracy	80	15	Do.
4	Sheik Bahmatulla Sahib	30	C. A. 15	Bellary.
Acting.				
	V. R. Venkataramayya	60	A. A. 20 C. A. 15	Ganjam.

Executive Staff employed under the sanction of the Local Government.—concl'd.

No.	NAME.	Pay.	Allow- ance.	Districts where serving.
EXECUTIVE STAFF—concl'd.				
NORTHERN CIRCLE—concl'd.				
<i>5th Grade—Pay Rs. 60 + 15 Con- veyance Allowance.</i>				
1	N. Swaminatha Aiyar.....	60	15	Vizagapatnam.
2	V. R. Venkatramana Aiyah.....	60	15	Ganjam - A 4th Grade.
3	A. Srinivasa Hebbur.....	60	15	Kistna.
4	R. Venkatesan Mudaliar.....	60	15	Godavari.
5	T. V. Sakoji Rao.....	60	15	Kurnool.
6	S. V. Audinarayana Aiyar.....	60	C. A. 15	Bellary.
7	K. G. Venkatrama Aiyar.....	60	C. A. 15	Bellary.
8	Mr. F. M. Crothers.....	60	C. A. 15	Kurnool.
<i>6th Grade—Pay Rs. 50 + 15 Con- veyance Allowance.</i>				
<i>Acting.</i>				
	P. Ramaswamy Aiyah.....	40	A. A. 10	Kistna.
	A. Krishna Rao.....	40	A. A. 10	Godavari.
	A. N. Bhujanga Rao.....	40	A. A. 10	Kurnool.
	S. V. Venkatakrishna Aiyar.....	15	A. A. 15	Working Plans Division.
	C. Sinayya.....	15	A. A. 35	Anantapur.
	" A. E. Brown.....	15	A. A. 50	Do.
	P. Annappa.....	35	A. A. 15	Ganjam.
	A. Hummanta Rao.....	35	A. A. 15	Anantapur.
	R. P. Jeevappa Nair.....	30	A. A. 20	Kurnool.
	S. Ramaswamy Aiyar.....	35	A. A. 25	Godavari.
	K. Ramaswamy Aiyar.....	40	A. A. 10	Vizagapatnam.

NOTE.—Forest Rangers draw daily travelling allowance under Article 1167 (ii) and (iii), and 1168 (a) of the Civil Service Regulations, 3rd Edition, according to class in addition to their Permanent Conveyance Allowance under Article 1181.

The Head-quarters of District Forest Officers will, unless otherwise ordered, be at the Head-quarter station of the district. The Office of the Conservator of the Central Circle will be at Madras, while those of the Northern and Southern Circles will be respectively at Waltair and Coimbatore.

The control of Forest Administration is vested in the Board of Revenue, and the Conservators submit reports and other communications to the Board.

Assistant Conservators will be appointed to the second grade, and they will be eligible for promotion by Government successively to the first grade on their passing the prescribed examinations and obtaining the needed certificate of qualification from the Conservator.

Promotion will not necessarily be given immediately on passing, or solely in consequence of passing the examinations; the merits and qualifications of each officer will also be taken into consideration.

DEPARTMENT OF REVENUE SETTLEMENT, LAND RECORDS AND AGRICULTURE.

The Hon'ble Mr. J. N. Atkinson, I.C.S., Ag. 8rd Member, Board of Revenue, and Commissioner of Revenue Settlement, and Director of the Dept. of Land Records and Agriculture.

M.R.Ry. Diwan Bahadur R. V. Srinivasar, B.A.....Secretary, (on other duty).
" V. K. Ramamujachariar, B.A.....Ag. Secretary.
" P. Govinda Menon, B.A.....1st Assistant, (on furlough).
" M. Ramachandrayya, B.A.....Acting.
Vacant.....2nd Assistant.
M.R.Ry. G. Gopalswami Chettiar, B.A.....Head Accountant (Acting).

Settlement Party, No. II.

Mr. M. E. Conchman, B.A.....Special Settlement Officer.
" T. E. Moir.....Do. Asst. do.
M.R.Ry. Velayudhan, B.A.....Uncovenanted Assistant.

Settlement Party, No. III.

Mr. G. F. Paddison, B.A., I.C.S.....Special Settlement Officer, Godavari and Kistna.
M.R.Ry. D. Krishnayya, B.A.....Assistant Commissioner of Revenue Settlement.
(Sub. pro tem).
Mr. D. Krishnayya, B.A.....Uncovenanted Assistant, (on other duty).
" A. Narayana Rao.....Sub. pro tem. on duty in Salem.

Settlement Party, No. V.

M.R.Ry. T. V. Narasimhulu Naidu.....Assistant Commissioner of Revenue Settlement.
" J. Sundarayya, B.A.....Uncovenanted Assistant, (on other duty).

Settlement Party, No. VI.

Mr. N. MacMichael, I.C.S.....Special Settlement Officer.
" F. B. Evans, I.C.S.....do. Asst. do.
" C. A. Innes, I.C.S.....do. do.
" R. W. Davies, I.C.S.....do. do.
M. Damodaram Nair.....Uncovenanted Assistant, (on other duty).
C. S. Subramania Iyer.....Sub. pro tem. do.

Settlement Party, Salem.

Mr. J. G. Haro.....Special Settlement Officer.
A. Narayana Rao.....Uncovenanted Assistant.

Land Records and Agriculture.

C. Benson, Esq., M.B.A.C.....Deputy Director of the Dept. of Land Records and Agriculture, (on leave).
M.R.Ry. O. K. Subba Rao, B.A.....Sub-Assistant Director of Agriculture.

Civil Veterinary Department.

Veterinary Major W. D. Gunn.....Superintendent, Civil Veterinary Dept.

Government Botanist.

C. A. Barber, Esq., M.A., F.L.S.....Government Botanist.

NOMINAL ROLL OF THE MADRAS SURVEY DEPARTMENT, ARRANGED ACCORDING TO SURVEY PARTIES.

Office of the Superintendent, Madras Survey.

No.	Name.	Appointment.	REMARKS.
1	D. G. Hatchell.....	Superintendent, Madras Survey.	
2	M. Ramaswami Naidu, Rao Bahadur.	Asst. do. 1st Class, (Ag.)	
3	D. T. Srinivasa Aiyangar...	Do. do. 3rd do. (Sub. pro tem.)	

Office of the Superintendent, Madras Survey—contd.

No.	Name.	Appointment.	REMARKS.
4	G. Patcha Pillai.....	Sub-Assistant, 1st Class (Sub. pro tem.)	
5	T. A. Sundaram Aiyar.....	Sub-Assistant, 2nd Class (Sub. pro tem.)	
6	S. P. Venkatrama Iyer.....	Do. do. do.	
7	C. J. Mallikarjuna Sastri.....	Head Computer (Sub. pro tem.)	
8	W. P. Da Costa.....	Lithographer.	
9	T. Perreire.....	Head Draftsman.	
10	T. Narayanasami Naidu.....	Draftsman.	
11	R. Seshier.....	Record-keeper (Sub. pro tem.)	
12	B. Chatter Sing.....	Photographer.	On furlough.
13	Mahomed Fida Hussain.....	Clerk.	On Medical leave.
14	M. Raghavendra Rao.....	Cashkeeper (Sub. pro tem.)	
15	E. Srinivasa Aiyar.....	Lithographer.	
16	T. Kamarasami Mudali.....	Record-keeper.	
17	A. Sankaranarayana Pillai.....	Draftsman.	
18	C. Narayanasami Naidu.....	Computer Draftsman.	
19	K. Adikesava Pillai.....	Photographer.	Tempy.
20	S. Kalyana Ramana Aiyar.....	Clerk.	Do.
21	G. Gopalakrishna Aiyar.....	Head Surveyor, 2nd Class.	

Vizianagaram Survey Party.

1	R. H. L. Lushington.....	Asst. Supt., 1st Class (Sub. pro tem.)	In charge of Vizianagaram Survey Party.
2	H. S. Mullins.....	Asst. Supt., 1st Class	Doing duty with the Forest Department.
3	W. F. Bateman.....	Do. 2nd Class (Sub. pro tem.)	
4	S. Gopala Chariar.....	Sub-Asst. do. do.	
5	K. S. Goyala Aiyar.....	Sub-Assistant, 3rd Class.	
6	G. Holden.....	Do. do.	Tempy.
7	A. D. Sylvester.....	Head Surveyor, 1st Class.	
8	S. Krishna Rao.....	Do. do.	Do.
9	T. Rama Row.....	Do. do.	Do.
10	G. Durand.....	Do. 2nd Class	Do.
11	A. Sundaram Aiyar.....	Do. do.	Do.
12	E. A. Venkatasamiar.....	Do. do.	Do.
13	Mahomed Ali.....	Do. do.	Do.
14	T. Seetharam Naidu.....	Do. do.	Do.
15	G. S. Ranganatha Sastri.....	Do. do.	Do.
16	P. Aranchella Mudali.....	Computer-Draftsman.	
17	V. C. Devaleanu.....	Clerk.	
18	R. Venkateshallam Pillai.....	Head Surveyor, 2nd Class (Sub. pro tem.)	

Kistna Re-Survey Party.

1	P. V. P. Gopaperta.....	Asst. Supt., 2nd Class	On leave.
2	J. P. Alley.....	Do. do. (Ag.)	In charge of Kistna Re-Survey Party.
3	D. C. Raghavachariar.....	Sub-Asst., 1st Class (Sub. pro tem.)	
4	J. F. Alva.....	Do. 3rd do.	Tempy.
5	R. Ramasami Aiyangar.....	Head Surveyor, 2nd Class.	
6	A. Gubell.....	Do. do.	
7	A. V. Ramanaulu Naidu.....	Do. 1st Class (Ag.)	
8	C. Raju Chetty.....	Clerk (Sub. pro tem.)	

Kurnool Re-Survey Party.

1	J. C. MacHutchins.....	Dy. Supt., 2nd Class	In charge of Kurnool Re-Survey Party.
2	O. Sessa Chariar.....	Asst. Supt., 3rd Class (Sub. pro tem.)	On Medical leave.
3	P. V. Subba Row.....	Sub-Asst., 1st Class do.	Tempy.
4	K. R. Venkatasami Aiyar.....	Do. 3rd "	
5	K. R. Kistnasami Aiyar.....	Head Surveyor, 2nd Class.	
6	G. Nagewara Rao.....	Do. 1st " (Ag.)	

Kurnool Re-Survey Party—contd.

No.	Name.	Appointment.	REMARKS.
7	C. Lynch.....	Head Surveyor, 1st Class	
8	S. Rodrigues.....	Do. do.	Tempy.
9	S. Krishna Aiyar.....	Clerk	Do.
10	G. K. Subramanya Aiyar.....	Computer-Draftsman.	
11	Mahomed Shaik Maizan.....	Head Surveyor, 2nd Class	Tempy.

Nellore Re-Survey Party, No. I.

1	C. W. Martin.....	Dy. Supt., 1st Class	In charge of Re-Survey Party, No. I.
2	F. Spurling.....	Asst. Supt., 2nd Class (Ag.)	
3	M. Crampton.....	Sub-Asst., 3rd Class (Sub. pro tem.)	
4	P. Sreenivasa Chari.....	Do. do.	Tempy.
5	T. Ethenajulu Raju.....	Head Surveyor, 2nd Class.	
6	M. Chinnappa Pillai.....	Do. do. (Ag.)	
7	V. Kristnasami Aiyar.....	Clerk.	
8	A. Parthasarathy Mudali.....	Head Surveyor, 2nd Class	Tempy.

Nellore Re-Survey Party, No. II.

1	W. A. Hasted.....	Dy. Supt., 2nd Class (Ag.)	In charge of Nellore Re-Survey Party, No. II.
2	R. MacMhona.....	Asst. Supt., 3rd Class (Sub. pro tem.)	
3	M. R. Srinivasa Iyengar.....	Sub-Asst., 2nd Class do.	Tempy.
4	R. Subba Aiyar.....	Do. 3rd Class	Tempy.
5	T. Shanmugam Pillai.....	Computer-Draftsman.	
6	P. Gurusami Naidu.....	Clerk	Tempy.
7	K. S. Shatnaga Sundram Chettyar.....	Head Surveyor, 2nd Class	Do.
8	P. Domisami Aiyangar.....	Do. do.	Do.

Estates and Hill Villages Survey Party.

1	P. R. Narayana Aiyar.....	Asst. Supt., 2nd Class	In charge of Estates and Hill Villages Survey Party.
2	A. V. Stephen.....	Sub-Assistant, 3rd Class	Tempy.
3	T. Kasturi Raju.....	Head Surveyor, 2nd Class.	
4	T. Otter.....	Do. do.	On Medical leave.
5	T. R. Perumal Raja.....	Do. do.	Tempy.
6	A. Chandrasegaram Pillai.....	Do. 1st Class	Do.
7	C. Domisami Aiyar.....	Do. 2nd Class	Do.
8	N. Srinivasa Aiyangar.....	Computer-Draftsman	Do.
9	A. Nadaruni Reddi.....	Clerk.	
10	A. Pancharada Iyer.....	Head Surveyor, 2nd Class (Ag.)	

South Canara Section.

1	A. Lopez.....	Ag. Sub-Assistant, 3rd Class	In charge of South Canara Section.
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Maintenance of Land Records.

1	G. Rantajogeswara Row.....	Head Surveyor, 2nd Class	Ganjam.
2	P. Ramamatha Rao.....	Do. do.	Godavari.
3	N. Domisami Naidu.....	Do. do.	Cuddapah.
4	A. Natesa Aiyar.....	Do. do.	Salem—Tempy.
5	R. Koppusami Naidu.....	Do. 1st Class	Coimbatore.
6	O. Senba Aiyar.....	Do. 2nd do.	Tiruchinopoly.
7	B. Vistannadham.....	Head Surveyor (Ag.)	Kistna.
8	K. Gurusami Aiyar.....	Do. do.	Bellary.
9	K. L. Domisami Iyer.....	Do. 1st Class	North Arcot.
10	V. Subbaramula Aiyar.....	Do. 2nd do.	Tanjore—Tempy.
11	J. P. LeFang.....	Do. 1st do. (Sub. pro tem.)	Malabar.
12	T. S. Butler.....	Do. 1st Class	Nilgiris—Tempy.

GRADATION LIST OF THE SURVEY ESTABLISHMENT OF THE MADRAS PRESIDENCY.

Lingual Attainments.	Names.	Service.	Date of first Appointment to the Dept.	Date of present Appointment.	District or other duty on which now employed.	REMARKS.
1) Tam.	D. G. Hatchell.	Unconvenanted.	14 Sept. 1886.	7 Jan. 1891.	.....	Superintendent, Madras Survey.
1) Tam.	C. W. Martin.	Unconvenanted.	7 Oct. 1894.	13 Feb. 1899.	Nellore	In charge of Nellore Re-Survey Party, No. 1.
1) 2) Tam.	H. R. Bentley Taylor L. U. MacfUTCHEIN	Unconvenanted. Do.	16 Jan. 1888. 18 April 1894.	13 Feb. 1899. 7 Jan. 1901.	Kurnool	On furlough. In charge of Kurnool Re-Survey Party.
1) Tam.	W. A. Hasted.	Unconvenanted.	19 Nov. 1891.	15 May 1899.	Nellore	In charge of Nellore Re-Survey Party, No. II.—Dy. Supt., 2nd Class (Ag.).
2)	H. S. Mullins.	Do.	10 Nov. 1885.	7 Jan. 1901.	.....	On dep. to the Forest Dept. for employment on Forest Settl. Duty.
1) Tel.	R. H. L. Lushington.	Unconvenanted.	2 Aug. 1887.	7 Jan. 1893.	Vizagapatnam.	In charge of Visianagaram Survey Party.—Asst. Supt., 1st Class (Sub. pro tem).
.....	M. Ramaswami Naidu.	Do.	4 Jan. 1872.	2 Mar. 1899.	.....	In charge of Central Office.—Asst. Supt., 1st Class (Ag.).
3)	P. B. Narayana Aiyar.	Do.	12 May 1879.	7 Jan. 1901.	Salem	In charge of Esatees Hill Villages Survey Party.
4) Tel.	E. V. P. Gompertz.	Do.	6 April 1883.	30 April 1901.	Kistna.	In charge of Kistna Re-Survey Party.
1) Mat.	W. P. Bateman.	Unconvenanted.	15 Nov. 1899.	1 Aug. 1905.	.....	Asst. Supt., 2nd Class (Sub. pro tem.).
2) to 6)	Vacant.	.....	.....	.....	.....	.....

GRADATION LIST OF THE ENGINEER ESTABLISHMENT OF THE DEPARTMENT PUBLIC WORKS, ATTACHED TO THE MADRAS PRESIDENCY.

Lingual Attainments.	Names.	Service.	Date of first Appointment to the Department.	Date of present Appointment.	Circle, Division or Office in which employed.	REMARKS.
EXECUTIVE BRANCH.						
Te HS in T	Mr. W. B. deWinton.	Royal Engrs.	1 Oct. 1874.	10 Oct. 1902.	Chief Engr. and Secy. to Govt., P. W. D.	Leave 11 months and 10 days from 6th May 1902.
Te HS in T	The Hon'ble Col. A. W. Smart.	Royal Engrs.	29 Mar. 71.	May 1902.	Chief Engr., and Secy. to Govt., P. W. D., Irrig. Branch.	Temp. rank.
T	Mr. A. H. Garrett.	Royal Engrs.	Oct. 74.	May 02.	Chief Engr., and Secy. to Govt., P. W. D.	Chief Engr., 1st Class, (temp. rank).
LS T	Col. G. C. Rawson.	Royal Engrs.	27 June 71.	Feb. 01.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
LS T	Col. O. V. Boddley.	Royal Engrs.	23 Jan. 1873.	10 Oct. 1902.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
LS T	Col. W. L. C. Boddley.	Royal Engrs.	23 July 74.	July 02.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
LS T	Col. W. L. C. Boddley.	Royal Engrs.	23 July 74.	July 02.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
B	Mr. G. S. T. Harris.	Royal Engrs.	Oct. 75.	Feb. 01.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
T	Mr. A. H. Garrett.	Royal Engrs.	Oct. 74.	10 Oct. 02.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
T	Mr. W. C. de Morgan.	M.I.C.E.	Oct. 74.	Feb. 02.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.
T	Mr. G. J. Usher.	M.I.C.E.	Oct. 77.	July 02.	Chief Engr., and Secy. to Govt., P. W. D.	Temp. rank.

GRADATION LIST OF THE ENGINEER ESTABLISHMENT, &c.—*contd.*

Initials and Surnames.	Names.	Service.	Date of first Appointment to the Establishment.	Date of present Appointment.	Grade, Division or office in which employed.	Remarks.
T	Mr. W. Hutton, A.M.I.C.E.		1 Oct. 1891	Mar. 02	Executive Engineers, Third Grade <i>contd.</i>	
T ¹	" A. H. Moha		1 Oct. 91	Aug. 02	Tanjore Division	Leave for 21 months and 5 days, from 5th July 1901.
T ²	" J. M. Mackay, B.E.		Jan. 01	Oct. 02	"	Leave 12 months, from 27th March 1902.
T ³	" J. M. M. Parker		Oct. 02	Oct. 02	"	Leave 15 months and 12 days, from 19th June 1902.
T ⁴	" R. Srinivasan Aiyangar, B.E.		Jan. 01	Mar. 02	Madura Division	Temp. rank.
T ⁵	" A. R. de Chazal		Oct. 02	Oct. 02	"	Sub. problem.
T ⁶	" A. V. Ramalinga Aiyar, B.A., B.C.E.		Jan. 03	April 02	Madura Division	Temp. rank.
T ⁷	" M. E. Khattarajal		Oct. 02	May 02	"	Do.
T ⁸	" F. Hawkins		Oct. 04	Oct. 02	North Street Division	Temp. rank.
T ⁹	" S. Krishnaswami Chariyur		Jan. 78	Mar. 02	Consulting Architect's Division	Do.
T ¹⁰	" L. D. Venkatarama Aiyar, B.A., B.C.E.		Jan. 04	May 02	Central Division	Do.
T ¹¹	" T. T. Raghavachariyur, B.C.E.		Aug. 76	May 02	Nagapattinam Division	Do.
T ¹²	" M. Deyva		Oct. 02	June 02	P. W. Stores and Workshop Division	Do.
T ¹³	" G. E. Ramo Aiyar, B.A., B.C.E.		Jan. 92	Oct. 02	Madura Division	Temp. rank.
T ¹⁴	" B. Subbaya Aiyangar, B.E.		Jan. 91	Oct. 02	Madura Division	Exec. Engr., 3rd Grade, (temp. rank).

Assistant Engineers, First Grade.

T ¹⁵	" G. R. Venkatarama Aiyar, B.E.		Jan. 92	April 99	Timorely Division	Exec. Engr., 3rd Grade, (temp. rank).
T ¹⁶	" A. V. Ramalinga Aiyar, B.A., B.C.E.		Jan. 1893	July 1900	Madura Division	Do.
T ¹⁷	" M. R. Kuregat		Oct. 94	April 01	Asst. to Chief Engineer and Under Secretary to Govt., P. W. D., Irrigation Branch. Supervises the work of the T. R. S. Parties in addition.	do.
T ¹⁸	" F. Hawkins		Oct. 94	July 1891	North Street Division	Prov. Engr. Establishment. Exec. Engr., 3rd Grade, (temp. rank).
T ¹⁹	" S. Krishnamachariyur, A.C.E., B.C.E.		Jan. 78	April 01	Consulting Architect's Division	Exec. Engr., 3rd Grade, (temp. rank).
T ²⁰	" L. D. Venkatarama Aiyar, B.A., B.C.E.		Jan. 94	April 01	Central Division	Prov. Engr. Establishment. Exec. Engr., 3rd Grade, (temp. rank).
T ²¹	" T. T. Raghavachariyur, B.C.E.		Aug. 76	June 01	Nagapattinam Division	Special leave 3 months, from 24th October 1902.
T ²²	" J. B. Lutman		Oct. 1895	April 02	"	Exec. Engr., 3rd Grade, (temp. rank).
T ²³	" M. Bawa		Oct. 95	April 02	"	Special leave 3 months, from 24th October 1902.
T ²⁴	" W. G. Molewartha		Oct. 96	Sept. 02	"	Exec. Engr., 3rd Grade, (temp. rank).
T ²⁵	" Mr. C. T. Mullings		Oct. 95	May 1890	Chingleput Division	Prov. Engr. Establishment.
T ²⁶	" A. W. Campbell		Oct. 96	June 99	Cuddalore Division	Exec. Engr., 3rd Grade, (temp. rank).
T ²⁷	" G. S. Rama Aiyar, B.A., B.C.E.		Jan. 95	Nov. 99	Godavari Western Division	Exec. Engr., 3rd Grade, (temp. rank).
T ²⁸	" R. N. Arakeswami Mudaliyar, B.A., B.C.E.		Jan. 96	May 1900	Kurnool Cuddalore Division	Prov. Engr. Establishment.
T ²⁹	" P. V. Manikam Noyakar, B.E.		Mar. 96	Oct. 1900	Cauvery-Bhavani Reservoirs Investigation	Prov. Engr. Establishment.
T ³⁰	" R. F. Stone		Oct. 97	Dec. 99	Consulting Architect's Division	Do.
T ³¹	" R. W. Formby		Oct. 1897	Feb. 01	Kistna Western Division	Do.
T ³²	" S. Bhaskara Aiyar, B.A., B.E.		Jan. 97	April 01	Nandyaar Reservoir Project	Do.

GRADATION LIST OF THE ENGINEER ESTABLISHMENT, No.—contd.

Usual Abbreviations	Names	Service	Date of first appointment to the De- partment	Date of present ap- pointment	Office, Division or Office in which employed	Remarks
H	Mr. J. S. Mc. P. W. Cornwall	Assistant Engineer, Second Grade—contd.	June 88	Mar. 02	Quadrant Division.	Prov. Engr., Establishment.
	" C. Fiddle	"	Oct. 98	Aug. 02	Kistna Eastern Divn.	do.
	" K. Srinivasa Aiyar, B.A.	"	Feb. 90	Aug. 02	Kistna Eastern Divn.	do.
	" A. S. Lawrie	"	Oct. 90	Oct. 02	Ganjam Division.	do.
	" H. M. Band	"	June 67	May 1894	Office of Chief Engr., P. W. D.	do.
T L S	" W. Finktaradei Nayudu Jagannatha Nayudu	"	May 84	Mar. 03	Ganjam Irrigation Divn.	do.
	" R. Vaidyanatha Aiyar, B.A.	"	Mar. 70	Mar. 90	Belary Division	do.
	" Hong, Capt. and Deputy Commg. Mr. P. Mahony	"	June 71	Mar. 90	Belary Division	do.
	" J. Mahony	"	July 02	Mar. 90	Belary Division	do.
	" J. C. Denny	"	Dec. 73	July 1900	Belary Division	do.
T	" Hong, Lieut. and Deputy Commg. Company, C. Smith	"	Aug. 70	Oct. 02	Belary Division	do.
	" Mr. U. S. Ramaswami Aiyar, B.A., B.C.E.	Assistant Engineers, Third Grade.	Jan. 90	Jan. 1900	Belary Division	do.
	" Abdul Aziz Sahib, Bahadur	"	July 78	Feb. 02	Kistna Western Divn.	do.
	" P. N. A. Leena	"	Oct. 60	Oct. 02	Kistna Northern Divn.	do.
	" V. H. Ganga	"	Oct. 60	Oct. 02	Kistna Eastern Divn.	do.

LIST OF OFFICERS OF P. W. D., RAILWAY BRANCH.
CONSULTING ENGINEERS FOR RAILWAYS.

Chief Engineer, First Class.

H	Mr. Y. J. J. E. Spring, C.E., L.C.E., M.I.E.S.E., M.I.M.E.	Chief Engineer, Third Class.	Aug. 1870	Jan. 1901	Consgr. Engr. and Secy. (On other duty.) to Govt. P. W. D., Railway Branch.
H	Mr. E. I. Shadwell, M.I.C.E.	Superintending Engineer, Second Class.	Oct. 1874	Aug. 1902	Off. Engr. and Secy. (On other duty.) to Govt. P. W. D., Railway Branch.
H	Mr. E. I. Shadwell, M.I.C.E.	Superintending Engineer, Second Class.	Oct. 1874	Jan. 1900	Off. Engr. and Secy. (On other duty.) to Govt. P. W. D., Railway Branch.

GRADUATION LIST OF THE ENGINEER ESTABLISHMENT, &c.—*contd.*

Original Attachments	Names.	Service.	Date of first appointment to the Department.	Date of present Appointment.	Circles, Division or Office in which employed.	Remarks.
H	Mr. R. W. Egerton, A.M.I.C.E.	Executive Engineer, First Grade.	Sept. 1878	Oct. 1896	Dy. Commr. Engr. for On combined leave for 12 months, from 5th Oct. 1902.	
H	Mr. C. D. D. Wilson	Executive Engineer, Second Grade.	Oct. 1887	Feb. 1901	Depy. Commr. Engr. and Under-Secretary to Govt., P. W. D., Ry. Branch.	
H	Mr. T. Michell, A.M.I.C.E.	P. W. D. OFFICERS LENT TO FOREIGN SERVICE. Superintending Engineer, First Class.	Oct. 1875	Aug. 1902	South Indian Railway Company.	Temp. rank.
H	Mr. T. Michell, A.M.I.C.E.	Superintending Engineers, Third Class.	Oct. 1875	Nov. 1900	South Indian Railway Company.	Temp. rank.
H	Mr. W. McHutchin	Executive Engineer, First Grade.	Oct. 1874	Oct. 1894	Mysore State Railway Company.	Supp. Engr., 3rd Class, (temp. rank).
H	Major A. D. G. Shelley	Executive Engineer, Second Grade.	Jan. 1885	Oct. 1901	South Indian Railway Company.	
H	Capt. A. J. de Lotbinière	Royal Engrs.	Feb. 1884	Oct. 1901	Mysore State.	

H	Mr. W. H. Scott	Deputy Examiner, Class I.	Jan. 1898	June 1902	Mysore State.	Temp. rank.
H	Mr. W. H. Scott	Deputy Examiner, Class II.	Jan. 1898	April 1901	Mysore State.	Dy. Exr., Class I., (temp. rank).
Pj	Mr. C. R. T. Balston	ACCOUNTS BRANCH. Examiners.	April 1892	Aug. 1902	Examiner, Class II, P. W. Accounts.	Temp. rank.
T. S.	A. G. Harrison		Oct. 76	Aug.	01 Examiner, Class III, P. W. Accounts.	Leave 10 months and 15 days, from 22nd April 1902.
H	C. F. Ross, F.R.S., F.I.E.A.A.		April 82	Aug.	02 Examiner, Class III, Guaranteed Ry. Accts.	Temp. rank.
H	Mr. W. B. Butterfield	Deputy Examiner	Mar. 78	Nov.	02 Dy. Examiner, Class I, P. W. Accounts.	Temp. rank.
H	T. Ryan, A.E.		Oct. 1898	July 1902	Dy. Examiner, Class I, Guaranteed Railway Accounts.	Temp. rank.
H	H. W. Schmidt		Dec. 82	Nov.	01 Dy. Examiner, Class I, P. W. Accounts.	Temp. rank.
BS to U	Mr. W. F. Milne	Assistant Examiner.	Oct. 1899	Oct. 1899	Ast. Exmr., 1st Grade, Guaranteed Railway Accounts.	
BS to U	J. H. W. Krüger		Oct. 1901	Oct. 1901	Ast. Exmr., 1st Grade, P. W. Accts., Madras.	
BS to U	J. D. L. Calder		April 1874	Aug. 1888	Ast. Examiner, 1st Gr., P. W. Accounts.	Hon. rank.

DISTRIBUTION LIST OF THE ENGINEER AND ACCOUNTS ESTABLISHMENT OF THE P. W. DEPARTMENT OF THE MADRAS PRESIDENCY.

NAMES.	Departmental Rank.	REMARKS.
Public Works Secretariat.		
Mr. W. E. de Winton	Chief Engr., 1st Class	Chief Engr. and Secy. to Govt., P. W. D. (on furl.).
Mr. A. H. Garrett	Chief Engineer, 2nd Class, Ag. Chief Engr. and Ag. Secy. (temp. rank).	to Govt., P. W. D.
The Hon'ble Col. A. W. Smart	Chief Engineer, 1st Class, Chief Engr., and Joint Secy. to Govt., P. W. D., Irrigation Branch	(temp. rank).
Mr. H. E. Clerk	Exec. Engr., 1st Grade	On Special duty, with the temp. rank of Supt. Engineer, 3rd Class, in connection with the investigation of Irrigation Projects.
S. S. Murray, A.M.I.C.E.	Do. 2nd do.	Dy. Chief Engr. and Under Secy. to Govt., P. W. D.
M. R. Kharegat	Do. 3rd do. (temp. rank).	Ag. Asst. to Chief Engr. and Under-Secy. to Govt., P. W. D., Irrigation Branch. Supervises the work of T. & S. Parties in addition.
F. A. Wilson, A.M.I.C.E.	Supt. Engr., 3rd Class (temp. rank).	On Special duty in the Office of Chief Engr., P. W. D.
M. M. Bond	Asst. Engr., 2nd do. (temp. rank).	Attached to the Office of Chief Engr., P. W. D.

Examiners of Public Works Accounts.

Mr. C. R. I. Bolton	Examiner, Class II	Temp. rank.
W. R. Butterfield	Dy. Examin. do. I	
H. W. Schmidt	Do. do. I	Temp. rank.
J. H. W. Knight	Asst. Examin., 1st Grade	
J. D. L. Childer	Do.	Hony. rank.
G. Manavala Nayudu	Accountant.	
B. Narasimha Rao	Do.	
A. Krishnaswami Rao	Do.	
Mr. E. T. Boyton	Do.	
W. A. Long	Do.	
W. L. Jackson, B.A.	Do.	
K. S. Kodandarama Aiyar, B.A.	Do.	
Mr. E. L. Taylor, B.A.	Do.	
T. Kondappa Chetti	Do.	
Mr. J. E. D'Onofrio	Do.	
E. A. LaFontaine, B.A.	Do.	
A. Taylor	Asst. Accountant.	
F. M. Lalor	Do.	
A. Rangaswami Mudaliyar	Do.	
K. V. Narasimham	Do.	
Mr. W. A. Falconer	Do.	

Consulting Engineers for Railways.

Mr. E. L. Shadbolt, M.A.C.E.	Chief Engr., 3rd Class	Offg. Consig. Engineer, and Offg. Secy. to Govt., P. W. D., Railway Branch.
C. D. B. Wilson	Exec. Engr., 2nd Grade	Dy. Consig. Engr. for Railways, and Under-Secy. to Government, P. W. D., Railway Branch.

Examiners of Railway Accounts.

Mr. C. E. Ross, F.A.A., F.I.A.A.	Examiner, Class III	Temp. rank.
T. Ryan	Dy. Exr., do. I	Trichinopoly (Temp. rank).
Mr. W. F. Milne	Asst. Exr., 1st Grade	
A. W. Vaughan	Accountant.	
S. Basten	Do.	

NAMES. Departmental Rank. REMARKS.

Examiners of Railway Accounts—contd.

H. T. Munihau	Accountant.	
V. Muttuvira Chetti	Do.	
T. Ratnasabhapati Pillai, B.A.	Do.	
V. R. Batna Mudaliyar	Do.	Trichinopoly.
T. C. Srinivasa Aiyangar	Do.	Do.
C. Visvanatha Mudaliyar	Do.	
Mr. A. M. Hayman	Do.	
T. M. Venkoba Rao	Do.	
V. Eshinaja Natchar	Do.	

Lighthouse Division.

Mr. F. W. Ashpiter, A.M.I.C.E.	Exec. Engr., 1st Grade	Supt. of Works, Offg. Consig. Archt. to Govt. in addition.
Hony. Lieut. and Dy. Asst. Asst. Engr., 2nd do.		(Supp.)
Commy. C. Smith.		
Sergeant T. P. Dillon	Supervisor, 2nd do.	Sub. pro tem.
P. England	Do. 1st do.	On leave.
L. S. Venkappaul Nayudu	Temp. Upper Subordinate.	
B. Venkatappayya	Accountant.	

Consulting Architect's Division.

S. Krishnaswami Aiyar, B.A.	Rel. Exec. Engr., 3rd Grade	Temp. rank.
Sahib, B.C.S.		
Mr. R. F. Storey	Asst. Engr., 2nd Grade	
P. Mahony	Do. 2nd do.	Hony. rank.
J. Willis	Sub-Engr., 3rd do.	
Sub-Consig. R. Cuthbert	Supervisor, 2nd do.	
C. L. Narasimhaya	Overseer, 2nd do.	
A. Thevaga Rajar	Accountant, 2nd do.	On leave.
M. Chinayya	Do.	

Presidency Public Works Stores and Workshops Division.

Mr. M. Brown	Exec. Engr., 3rd Grade	Temp. rank.
C. J. W. Plummer	Supervisor, 2nd do.	
J. G. Hackett	Temp. Upper Subordinate.	
D. Jeremiah	Accountant	Attached to Workshops.
H. F. Humphreys	Do.	

No. 1 CIRCLE.—HEAD-QUARTERS, DOWLAISHWARAN.

Mr. W. C. DeMorgan, M. Inst. C.E.	Supp. Engr., 2nd Class	Temp. rank.
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(1) Ganjam Division.

Mr. M. Loan, A.M.I.C.E.	Exec. Engr., 2nd Grade	
A. S. Laurie	Asst. Engr., 3rd do.	
V. Gopala Aiyar	Do. 2nd do.	
P. Rangaswamykulu Nayudu	Supervisor, 2nd do.	
S. S. S.		
P. Subrahmanyasa Aiyar	Overseer, 1st do.	
S. Siva Rao	Do. 2nd do.	
V. Sandaram Aiyar	Do. 2nd do.	
S. Thangavadevalu Mudaliyar	Do. 2nd do.	Temp. rank.
S. Rangachari	Do. 2nd do.	Sub. pro tem.
P. S. Krishnaswami Aiyar	Do. 3rd do.	Do.
S. R. Narayanaswami Aiyar	Do. 3rd do.	
Mr. A. R. Samuel Pillai	Temp. Upper Subordinate.	
Mr. J. A. David	Do.	
N. A. Subramanya Aiyangar	Do.	
K. Pandaranga Rao	Do.	
S. Krishna Aiyar	Do.	
M. Chelamagga	Do.	
T. L. Appa Rao	Do.	
M. Govindarajulu Nayudu	Accountant.	

Ganjam Irrigation Investigation Party.

Mr. W. Venkatarreddi Nayudu	Asst. Engr., 2nd Grade	Hony. rank.
Dewan Bahadur.		
M. V. Krishnaswami Aiyar	Temp. Upper Subordinate.	
S. Sundaram Aiyar	Do.	

NAMES.	Departmental Rank.	REMARKS.
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(2) Vizagapatam Division.

Mr. T. W. S. Smyth	Exec. Engr., 2nd Grade	
Condr. W. Rule	Sub-Engr., 3rd Grade	
C. Venkatarayya	Supervisor, 2nd Grade	
Sub-Cond. C. H. Bristol	Supervisor, 2nd Grade	On leave.
M. R. Subrahmanya Aiyar	Do. 2nd do.	
Sergt. W. H. MacAlister	Overseer, 1st do.	
P. N. Ramachandra Aiyar	Do. 1st do.	
C. Tirumala Chari	Do. 2nd do.	Sub. pro tem.
G. V. Kuppuswami Aiyar	Do. 3rd do.	Do.
Mr. C. A. Roberts	Temp. Upper Subordinate.	
V. S. Ramakrishna Aiyar	Do.	
R. Dulakrishna Aiyar	Do.	
A. R. Subrahmanya Aiyar	Do.	
S. Narasimha Chari	Do.	
Muhammad Latif Husain	Accountant.	

(3) Godavari Eastern Division.

Mr. C. Mildred, A.M.C.E.	Exec. Engr., 2nd Grade.	
L. H. Greg	Asst. Engr., 3rd do.	
H. A. Shore	Do. 3rd do.	
S. Visayagopal Das Na. Sub-Engr., 2nd do.		
G. W. Traish	Supervisor, 2nd do.	
T. Perayya Nayudu	Do. 2nd do.	
T. S. Narayanaswami Aiyar	Overseer, 1st do.	
C. V. Shanmukha Mudaliar	Do. 1st do.	
Sergeant B. A. Lyles	Do. 1st do.	
S. Krishnaswami Aiyar	Do. 2nd do.	Sub. pro tem.
C. F. Jayaswathi Mudaliar	Temp. Upper Subordinate.	
M. Viswanatha Aiyar	Do.	
G. S. Krishnaswami Aiyar	Do.	
T. Jayaram Chetti	Accountant.	

(4) Godavari Western Division.

Mr. A. C. Langston, A.M.C.E.	Exec. Engr., 2nd Grade.	
G. S. Rama Aiyar, B.A., B.C.E.	Do. 3rd do.	Temp. rank.
Mr. N. Swaminatha Aiyar, B.A., Asst. Engr., 3rd do.		
P. Ramaswamy Pandar	Supervisor, 1st do.	
K. Gopala Aiyar	Overseer, 1st do.	
K. Paanchanatha Aiyar	Do. 1st do.	
M. Venkatarayya Aiyar	Temp. Upper Subordinate.	Do.
F. Subrahmanya Aiyar	Do.	
P. Subrahmanya Aiyar	Do.	
T. S. Subrahmanya Aiyar	Do.	
S. Sankar Reddy	Accountant.	

(5) Godavari Central Division.

Mr. L. D. Venkatarayya Aiyar, Exec. Engr., 3rd Grade		Temp. rank.
D. Muttirajappa Pillai	Supervisor, 1st do.	
L. S. Paanchapakesa Sastri	Do. 2nd do.	
S. Venkatarayya Nayudu	Do. 2nd do.	
N. G. Venkatarayya Aiyar	Temp. Upper Subordinate.	
N. S. Venkatarayya Aiyar	Do.	
G. N. Appa Reddy Pandita	Do.	
G. N. Subrahmanya Aiyar	Accountant.	

No. 2 CIRCLE—HEAD-QUARTERS, BEZWADA.

Mr. B. H. O'Connell	Sup. Engr., 3rd class	Temp. rank.
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(1) Kistna Northern Division.

Mr. A. G. Bondily	Exec. Engr., 2nd Grade.	
P. N. A. Lyles	Asst. Engr., 3rd do.	
S. Paanchanatha Aiyar	Supervisor, 1st do.	
Mr. Saleed-din Sahib	Do. 2nd do.	
P. M. Swaminatha Aiyar	Do. 2nd do.	
Mr. J. S. Mullen	Overseer, 1st do.	

(1) Kistna Northern Division—concd.

Mr. A. S. Baskett	Temp. Upper Subordinate.	
B. R. Ramakrishna Aiyar	Do.	
T. O. Narayanaswami Aiyar	Do.	
M. O. Singara Aiyar	Do.	
M. V. Sambasiva Aiyar	Accountant.	On leave.
C. V. Ramiengar	Do.	

No. II Party, T. R. S.

W. Masilamani Mudaliyar	Sub-Engr., 3rd Grade.	
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(2) Kistna Eastern Division.

Mr. W. J. J. Howley, A.M.C.E.	Exec. Engr., 3rd Grade	On Special duty.
K. Srinivasa Aiyar, B.A., B.C.E.	Asst. Engr., 2nd do.	
Mr. O. Peddie	Do. 2nd do.	
E. W. P. Walsh	Do. 3rd do.	
Sub-Cond. E. Price	Supervisor, 1st do.	
Mr. T. A. Monisse	Do. 1st do.	
Sergt. J. S. Mahony	Overseer, 1st do.	
D. V. Venkatarayya Aiyar	Do. 1st do.	
T. Venkatarayya Aiyar	Do. 1st do.	
G. Lakshmana Rau	Do. 1st do.	Sub. pro tem.
L. D. Ramachandra Aiyar	Do. 2nd do.	
M. Aiyannah Nayudu	Do. 2nd do.	Temp. rank.
S. Raghuvaran	Do. 3rd do.	
Mr. K. H. Muller	Temp. Upper Subordinate.	
A. Paanchapakesa Aiyar	Do.	
K. Sitarayya Aiyar	Do.	
S. Minakshisundaram Aiyar	Do.	
K. S. Venkatha Sastri	Do.	
S. Padayath Aiyar	Do.	
V. R. Krishnaswami Mudaliar	Accountant.	

(3) Kistna Western Division.

Mr. J. H. Medlicott	Exec. Engr., 1st Grade.	
R. W. Formby	Asst. Engr., 2nd do.	
Abdul Latif Salido, Khan Bahadur.	Do. 3rd do.	
S. Paanchapakesa Aiyar	Sub-Engr., 3rd do.	
K. Srinivasa Aiyar	Overseer, 1st do.	
F. A. Venkatarayya Aiyar, B.C.E.	Overseer, 1st do.	
Ag. Bambr, F. E. Gwynn	Do. 1st do.	
Mr. E. T. Jordan	Do. 2nd do.	
C. Ramaswami Aiyar	Temp. Upper Subordinate.	
T. V. Saptarishi Sastri	Do.	
A. Rama Aiyar	Do.	
P. Ramaswami Nayudu	Do.	
K. R. Ganapati Aiyar	Do.	
D. Venkatarayya Aiyar	Do.	
N. A. Ramaswami Aiyar	Do.	
S. R. Sambasiva Aiyar	Do.	
A. Balasundaram Pillai	Accountant.	

Kistna Reservoir Project.

Mr. R. N. H. Reid, A.M.C.E.	Exec. Engr., 3rd Grade.	
Mr. L. Edmond	Temp. Engineer.	
S. Chittambala Pillai	Overseer, 1st Grade.	
S. Radhakrishna Nayudu	Do. 3rd do.	
M. Balasubrahmanya Aiyar	Temp. Upper Subordinate.	

(4) Nellore Division.

Mr. B. A. Srinivasa Aiyar, Exec. Engr., 2nd Grade.		
Has Sahib, B.A., B.C.E.		
Mr. U. S. Ramaswami Aiyar, Asst. Engr., 3rd do.		
B.A., B.C.E.		
T. Ramaswami Pillai	Sub-Engr., 3rd do.	
C. Rama-na Pantulu	Supervisor, 1st do.	

204

NAMES.	Departmental Rank.	REMARKS.
(4) Nellore Division.—concluded.		
S. Dakshinamurti	... Overseer, 1st Grade.	
M. Krishnaswami Aiyangar	... Do. 1st do.	
S. Natesa Aiyar	... Do. 1st do.	Sub. pro tem.
K. Narasimachari	... Temp. Upper Subordinate.	
C. S. Krishna Rao	... Do.	
G. Venkatarama Aiyar	... Do.	
N. Anandachari	... Do.	
D. V. Rajaratnam	... Do.	
G. P. Vaidyanatha Aiyar	... Do.	
F. S. Rangaswami Aiyar	... Do.	
T. K. Senkara Singh	... Do.	
C. K. Krishna Rao	... Accountant.	
No. I. Party, T. R. S.		
A. Arulandam Pillai	... Supervisor 2nd Grade.	
Nellore Investigation Party.		
V. T. Srinivasa Aiyangar, B.C.E.	Sub-Engr., 3rd Gr. do.	
U. Venkata Rao	... Supervisor, 2nd do.	
M. Kandaswami Pillai	... Overseer, 1st do.	
D. Koli Pillai, B.A., B.L.	... Do. 2nd do.	
No. 3 CIRCLE—HEAD-QUARTERS, BELLARY.		
Col. W. L. C. Baddley, R. E.	Supg. Engr., 1st Class	Temp. Rank.
(1) Bellary Division.		
Mr. G. F. Handcock	... Exec. Engr., 1st Grade.	
B. Vaidyanatha Aiyar, B.L., B.C.E.	Asst. Engr., 2nd do.	Hony. rank.
Mr. M. R. Brannan	... Supervisor, 1st do.	Do.
Sub-Cond. M. Power	... Do. 2nd do.	
Sergeant J. H. Thomas	... Overseer, 1st do.	
M. N. Ramakrishna Aiyar	... Do. 1st do.	
B. Srinivasa Raghava Chari	... Do. 1st do.	Sub. pro tem.
S. Natesa Aiyar	... Do. 2nd do.	
A. R. Rajagopala Aiyangar	... Do. 3rd do.	Sub. pro tem.
P. S. Subramanya Aiyar	... Temp. Upper Subordinate.	
M. Ramesha Aiyar	... Do.	
A. Rama Rao	... Do.	
K. Subrahmanya Aiyar	... Do.	
P. S. Krishna Aiyar	... Do.	
N. C. Rameshchari	... Do.	
A. Sivaswami Aiyar	... Do.	
S. Aggar Aiyar	... Do.	
F. S. Aravindha Aiyar	... Do.	
P. V. Ramaswami Nayudu	... Accountant.	
Tungabhadra and Pennar Projects.		
Mr. A. T. Mackenzie, A.M.I.C.E.	Exec. Engr., 1st Grade.	
" R. A. Iremu	... Temp. Engineer.	
S. Panthaprasada Aiyar	... Overseer, 1st Grade.	
K. C. Lakshminarayana	... Temp. Upper Subordinate.	
(2) Cuddapah Division.		
Mr. C. B. Lambert, A.M.I.C.E.	Exec. Engr., 1st Grade.	
" A. W. Campbell	... Asst. Engr., 2nd do.	
" F. W. Cornwall	... Do. 2nd do.	
" J. B. Rodriguez	... Supervisor, 1st do.	
Sergeant K. S. Sheridan	... Do. 2nd do.	
P. Ramachandra Aiyar	... Overseer, 1st do.	
M. Venkata Aiyar	... Do. 2nd do.	Sub. pro tem.
U. R. Ashram Aiyangar	... Do. 2nd do.	
P. S. Natesa Aiyar	... Do. 3rd do.	
T. S. Rangaswami Aiyar	... Temp. Upper Subordinate.	
M. Rangaswami Aiyangar	... Do.	
M. Srinivasan Pillai	... Do.	
S. Srinivasa Aiyar	... Do.	
T. Aiyaswami Sastri	... Do.	
K. Rappaswami Nayudu	... Accountant.	

NAMES.	Departmental Rank.	REMARKS.
No. VI Party, T. R. S.		
Mr. T. D. Enright	... Sub-Engr., 2nd Grade.	
(3) Karnool Division.		
Mr. C. W. Wood	... Exec. Engr., 1st Grade.	
" S. N. Sandanb, A.C.E.	... Sub-Engr., 3rd do.	
" J. Pereira	... Do. 3rd do.	Sub. pro tem.
N. Nadhamuni Mudaliyar	... Do. 3rd do.	
A. Venkatarangam Nayudu	... Supervisor, 1st do.	
S. Sambesiva Aiyar	... Do. 2nd do.	
G. Nanyana Rao	... Do. 2nd do.	
G. Srinivasa Aiyangar	... Do. 2nd do.	
M. R. Natesa Aiyar	... Overseer, 1st do.	
S. Iswara Sastri	... Do. 2nd do.	
T. K. Ramabhadra Sastri	... Do. 2nd do.	
A. R. Subbaswami Aiyar	... Do. 2nd do.	
T. Aditya Aiyar	... Temp. Upper Subordinate.	
K. R. Venkataranga Aiyar	... Do.	
C. S. Gopalakrishna Rao	... Do.	
P. Kumara Rao	... Accountant.	
Karnool-Cuddapah Canal Investigation Party.		
Mr. R. N. Arokaswami Mudali, Asst. Engr., 2nd Grade.		
" B. A., B.C.E.		
J. S. Mustayya	... Overseer, 1st do.	
W. P. Clay	... Temp. Upper Subordinate.	
Karnool Investigation Party.		
R. Sundaram Aiyar, B.C.E.	... Overseer, 1st Grade.	
T. K. Srinivasa Aiyar	... Temp. Upper Subordinate.	
No. 4 CIRCLE—HEAD-QUARTERS, COIMBATORE.		
Col. C. C. Rawson, R.E.	Supg. Engr., 1st Class	
(1) Coimbatore Division.		
Major, W. M. Ellis, R.E.	Exec. Engr., 1st Grade	
Hony. Captain and Dy. Comm. Asst. Engr., 2nd do.		Supy.
" R. W. MacAllister.		
Mr. C. H. Marrow	... Supervisor, 1st do.	
Sub-Cond. C. J. Smith	... Do. 1st do.	
N. V. Srinivasanayana Aiyar	... Overseer, 1st do.	Sub. pro tem.
Sergeant A. G. Hawkins	... Do. 1st do.	
P. A. Srinivasachari	... Do. 2nd do.	Sub. pro tem.
M. Gannaprasadam Pillai	... Do. 2nd do.	
Z. Anandurai Aiyangar	... Temp. Upper Subordinate.	
S. S. Subrahmanya Aiyar	... Do.	
P. K. Srinivasa Aiyar	... Do.	
A. R. Venkataranga Aiyar	... Do.	
Mr. M. G. Pereira	... Accountant.	
Canvery-Bhavani Reservoirs Investigation.		
Mr. H. A. Moss, A.M.I.C.E.	Exec. Engr., 2nd Grade.	Suptd. of Works.
" P. V. Manickam Narayakar	Asst. Engr., 2nd do.	
V. S. Srinivasa Aiyangar	... Overseer, 1st do.	
(2) West Coast Division.		
Mr. J. C. Dennehey	Asst. Engr., 2nd Grade	Hony. rank. Offg. Exec. Engr.
Mr. J. H. C. Vae	Sub-Engr., 3rd do.	
S. Sundara Sastri	Supervisor, 2nd do.	
Mr. W. T. Jacob	Overseer, 1st do.	
N. Madhava Menon	Do. 1st do.	Temp. rank.
K. Narayana Hebbar	Do. 1st do.	
Mr. L. A. Barbosa	Temp. Upper Subordinate.	
" M. Saldanha	Do.	
T. P. Anantarama Aiyar	Do.	
S. Seshayya	Accountant.	

NAME.	Departmental Rank.	REMARKS.
(3) North Arcot Division.		
Mr. P. Hawkins	Exec. Engr., 3rd Grade	Temp. rank.
J. Kelly	Sub-Engr., 2nd do.	
Condr. E. Cope	Do. 3rd do.	
H. Stanley	Do. 3rd do.	
T. Ramaswami Aiyar	Overseer, 1st do.	Sub. pro tem.
S. Subrahmanya Aiyar	Do. 2nd do.	
E. M. Viswanatha Aiyar, B.A.	Temp. Upper Subordinate.	
A. Munick Mudaliyar	Do.	
C. K. Ramachandran Aiyar	Do.	
C. Venkatarajulu Mudaliyar	Do.	
S. Srinivasa Pillai	Do.	
M. Atchayya Patnadi	Accountant.	

No. V Party, T. R. S.

Mr. J. Lawrence	Sub. Engr., 3rd Grade.	
(4) Salem Division.		
Mr. A. B. de Chaval	Exec. Engr., 3rd Grade	Sub. pro tem.
J. Mahony	Asst. Engr., 2nd do.	Temp. rank.
D. Brodie	Temp. Engineer.	
Sub-Cond. J. D'C. Pheasant	Supervisor, 2nd Grade.	
T. S. Sankara Sastri, a.c.e.	Do. 2nd do.	
M. Muttusami Pillai	Overseer, 2nd do.	On leave.
R. Vaidyanatha Aiyar	Do. 2nd do.	Sub. pro tem.
Mr. W. R. Gilbert	Temp. Upper Subordinate.	
P. Sankaran	Do.	
T. Subrahmanya Aiyar	Do.	
N. S. Venkatarajulu Aiyar	Do.	
T. Madhukumaraswami Mudaliyar	Do.	
S. V. Sankara Aiyar	Accountant.	

No. 5 CIRCLE—HEAD-QUARTERS, MADRAS.

Mr. J. P. Davidson, A.M.I.C.E. | Supg. Engr., 3rd Class

(1) South Arcot Division.

Mr. S. A. Subrahmanya Aiyar	Exec. Engr., 2nd Grade.	
Raj Sahib, B.A., B.C.E.		
S. A. Swaminatha Aiyar	Asst. Engr., 3rd do.	
B. J. P. Knight	Sub-Engr., 2nd do.	
J. R. Hendrick	Do. 3rd do.	
C. S. Srinivas Aiyar	Supervisor, 1st do.	
C. Singaravulu Mudaliyar	Do. 2nd do.	
V. S. Vaidyanatha Mudaliyar	Do. 2nd do.	
E. Srinivasachariyar	Do. 2nd do.	
P. Moses Pillai	Overseer, 1st do.	
D. S. Sankara Aiyar	Do. 1st do.	Sub. pro tem.
N. Krishnaswami Aiyar	Do. 2nd do.	Do.
P. Rangaswami Aiyangar	Do. 3rd do.	Do.
V. R. Venkataswami Aiyar	Do. 3rd do.	
H. Srinivasarajulu Aiyangar	Temp. Upper Subordinate.	
E. Virabhadraswami	Do.	
K. Narayana Mudaliyar	Do.	
Mr. C. A. Calcutt	Accountant.	

No. III Party, T. R. S.

H. C. Viswanatha Aiyar | Supervisor, 1st Grade.

(2) Chingleput Division.

Mr. C. T. Mullings	Asst. Engr., 2nd Grade	Offg. Exec. Engineer.
E. Brady	Sub-Engr., 1st do.	
E. P. Taylor	Do. 2nd do.	
U. N. Joyce	Do. 2nd do.	

NAME.	Departmental Rank.	REMARKS.
(2) Chingleput Division—contd.		
Condr. T. G. Blake	Sub. Engr., 3rd Grade.	
V. Krishnaswami Mudaliyar	Supervisor, 1st do.	
V. Subrahmanya Sastri	Do. 1st do.	
P. Narayanaswami Nayudu	Do. 2nd do.	
M. Ramakrishna Aiyar, M.C.E.	Do. 2nd do.	
C. W. Chinappa Pillai	Do. 2nd do.	
V. K. Krishnaswami Mudaliyar	Overseer, 1st do.	Sub. pro tem.
C. J. Rangaswami Aiyangar	Do. 2nd do.	Do.
S. Subrahmanya Aiyar	Temp. Upper Subordinate.	
E. Parasswami Aiyangar	Do.	
V. S. Munick Mudaliyar	Do.	
T. Dasappa Kist	Do.	
M. F. Ramaswami Aiyar	Do.	
V. S. Rajagopalachariyar	Accountant.	

No. IV Party, T. R. S.

C. K. Chinneswami Aiyangar, Sub-Engr., 3rd Grade, M.C.E.

(3) Tanjore Division.

Mr. A. H. Morin	Exec. Engr., 3rd Grade.	
A. E. Ferns	Asst. Engr., 3rd do.	
N. Rajagopala Aiyangar	Sub-Engr., 2nd do.	
Brig. Lieut. and Asst. Engr.	Do. 3rd do.	
Commy. J. H. Uiyet.		
L. A. Rangaswami Aiyar	Supervisor, 1st do.	
T. Subbapathi Mudaliyar	Do. 2nd do.	
C. L. Venkataramaswami	Do. 2nd do.	Temp. rank.
Sub-Cond. R. A. Furnell	Do. 2nd do.	
S. Rajagopalaswami Mudaliyar	Overseer, 1st do.	
M. S. Venkatarajulu Aiyar	Do. 1st do.	
T. A. Ramchandra Pillai	Temp. Upper Subordinate.	
N. Rangan Aiyangar	Do.	
W. Khiraji Mudaliyar	Do.	
Mr. J. R. Coombes	Accountant.	

Nandyar Reservoir Project.

S. Shankara Aiyar, B.A., B.C.E. | Asst. Engr., 2nd Grade.

(4) Negapatam Division.

T. T. Naghaya Chariyar, M.C.E.	Exec. Engr., 3rd Grade.	Temp. rank.
Sub-Cond. J. Rusk	Supervisor, 1st do.	
K. R. Ramachandra Sastri	Do. 1st do.	
P. V. Ramaswami Aiyar	Do. 2nd do.	
M. S. Vaidyanatha Aiyar	Temp. Upper Subordinate.	
R. Venkatarajulu Aiyar	Do.	
M. S. Srinivas Aiyar	Do.	
E. C. Dhananjaya Mudaliyar	Do.	
Mr. G. W. Wilkins	Accountant.	

No. 6 CIRCLE—HEAD-QUARTERS, TRICHINOPOLY.

Mr. C. J. Usher | Supg. Engr., 2nd Class | Temp. rank.

(1) Trichinopoly Division.

Mr. J. S. Wilson	Exec. Engr., 2nd Grade.	
A. Subbapathi Sastriyar, a.c.e.	Sub-Engr., 2nd do.	
Condr. W. Donoghue	Do. 3rd do.	
A. Srinivasa Sastri	Supervisor, 1st do.	Sub. pro tem.
R. Appudurai Mudaliyar	Do. 2nd do.	
V. K. Venkatarajulu Aiyar	Overseer, 2nd Grade.	
A. M. Narayanaswami Aiyar	Temp. Upper Subordinate.	
T. K. Naghavadra Rao	Accountant.	

206

NAMES.	Departmental Rank.	REMARKS.
(2) Madura Division.		
Mr. H. T. Keeling, A.M.I.C.E.	Exec. Engr., 2nd Grade.	
R. Srinivasa Aiyangar, B.A., B.C.E.	Do. 3rd do.	Temp. rank.
A. V. Ramalinga Aiyar, B.A., B.C.E.	Do. 3rd do.	Do.
Mr. H. F. Dawson	Asst. Engr., 3rd do.	
Mr. K. F. Roberts	Asst. Engr., 3rd do.	
Sergeant J. Whittaker	Supervisor, 2nd do.	Sub. pro tem.
A. Itajam Aiyar, B.C.E.	Overseer, 1st do.	
S. Mutya	Do. 1st do.	
M. Ramaswami Pillai	Do. 1st do.	
A. R. Subrahmanya Aiyar	Do. 1st do.	Sub. pro tem.
M. S. Narayanaswami Aiyar	Do. 2nd do.	
O. S. Ramaswami Aiyar	Do. 2nd do.	
T. S. Muttuswami Sastri	Do. 3rd do.	
S. Ganapati Aiyar	Do. 3rd do.	Sub. pro tem.
C. A. Rajagopala Aiyangar	Do. 3rd do.	Do.
A. Narayanaswami Nayudu	Temp. Upper Subordinate.	
G. R. Gopalaswami Dikshitar	Do.	
T. P. Viswanatha Aiyar	Do.	
S. A. Eyyaswami Aiyar	Do.	
T. V. Subrahmanya Aiyar	Do.	
K. Gopalaswami Aiyangar	Do.	
B. Raghavendra Rau	Accountant.	

(3) Tinnevely Division.		
S. Gopalakrishna Aiyar, B.A., B.C.E.	Exec. Engr., 1st Grade.	
G. R. Venkatarama Aiyar, B.C.E.	Asst. Engr., 1st do.	
R. V. Narayana Aiyar, B.C.E.	Supervisor, 1st do.	Sub. pro tem.
S. T. Raghava Aiyangar	Do. 2nd do.	
C. Shasankha Mudaliar	Do. 2nd do.	On leave.
Mr. W. T. J. Scanlon	Overseer 1st do.	
C. Ganapati Pillai	Do. 3rd do.	Sub. pro tem.
N. Sitarana Aiyar	Temp. Upper Subordinate.	
C. Murugesu Mudaliyar	Do.	
T. C. Kuppuswami Sastri	Do.	
K. Krishnaswami Rau, B.A.	Accountant.	

Coorg Division, Head Quarters, Mercara.

NAMES.	Appointment.	Stations.	Date of Appointment to present grade.	REMARKS.
Capt. S. G. Rivett-Carnac, R.E.	Exec. Engr., 3rd Grade.	Mercara	Jan. 1897	
Mr. E. Morton	Sub. Engr. 1st do.	Do.	April 86	Asst. Engineer (Hon. rank).
" U. Leavers	Sub. Engr. 3rd do.	Verajendraspet	Oct. 95	
" F. E. Schambry	Supervisor, 1st do.	Mercara	June 97	
" P. G. King	Accountant	Do.	Nov. 01	

NAMES.	Departmental Rank.	REMARKS.
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Sanitary Engineer to Government.

Mr. J. A. Jones, M. Ind., C.E.	Sanitary Engr. to Govt.
" H. Novero, A.M.I.C.E.	Asst. Sanitary Engr. to Government.
J. R. Sivasubrahmanya Aiyar	Temp. Upper Subordinate.

CIVIL.]

LOCAL FUND ENGINEERS.

LOCAL FUND ENGINEERS.

No.	Name.	Date of Appointment.	District.	Station.	Pay.	Travelling Allowance, &c., and Remarks.
1	W. R. McClay	7 Oct. 1901	Anantapur	Anantapur	Rs. 250	Rs. 3 a day.
2	Walter Vivian, C. E. (On Furlough)	29 Oct. 01	North Arcot.	Vellore	700	Rs. 4 a day.
3	R. Gopala Aiyangar, Ag.	14 Nov. 01	Do.	Do.	400	Rs. 4 a day.
4	V. R. Prannathibars Aiyar B.A., B.C.E., C.E. In charge.	1 Nov. 01	45 Arcot, South Do.	Cuddalore	500	Rs. 4 a day. On leave.
5	Thomas Ryan Cooper	23 July 01	Bellary	Bellary	300	Rs. 2 a day.
6	Charles Sigismund Schmidt	10 Nov. 01	S. Canara	Mangalore	500	Rs. 4 a day.
7	J. B. Small	1 July 01	Chingleput.	Madurai	300	Rs. 4 a day.
8	Benjamin Stephens	14 Jan. 01	Coimbatore	Coimbatore	600	Rs. 4 a day.
9	S. Subrahmanya Aiyar	7 Nov. 01	Cuddalore	Cuddalore	300	Rs. 4 a day.
10	M. Somachalam Pillai	25 May 01	Ganjam	Ganjam	300	Rs. 4 a day.
11	Charles Lowry, C.E.	18 Apr. 01	Godavari	Godavari	500	Rs. 4 a day.
12	William Alfred Mulhews	6 Aug. 01	Kistna	Bezawada	500	Rs. 4 a day.
13	Kenneth Mackenzie	15 Oct. 01	Karnool	Karnool	400	Rs. 4 a day.
14	W. E. Underwood (On leave)	2 May 01	Madurai	Madurai	700	Rs. 4 a day.
15	V. Gopal Aiyar, Ag.	21 Aug. 01	Do.	Do.	500 + P.A. 100	Rs. 110 a month.
16	Oswald deRosario	8 Jan. 01	Malabar	Calicut	500	Rs. 4 a day.
17	Edgar Alexander Barren	25 June 01	Nellore	Nellore	500	Rs. 4 a day.
18	John Eoltan Macfarlane (On leave)	9 Apr. 01	Nilgiris	Ootacamund	500	Rs. 150 a month.
19	G. H. Vaughan, Ag.	21 Oct. 01	Salem	Salem	600	Rs. 4 a day.
20	G. D. Dwyer	7 May 01	Do.	Do.	380	Rs. 4 a day.
21	Charles Harvey Parker	12 Apr. 01	Tanjore	Tanjore	500	Rs. 4 a day.
22	Charles Albin Poyson	10 June 01	Tinnevely	Tinnevely	600	Rs. 4 a day.
23	Percy Bingham Arbuthnot	25 Apr. 01	Trichinopoly	Trichinopoly	400	Rs. 4 a day.
24		1 Sept. 02	Vizagapatnam	Vizagapatnam	550	Rs. 4 a day.

LOCAL FUND ASSISTANT ENGINEERS.

No.	Name.	Date of Appointment.	District.	Station.	Pay.	Travelling allowance, &c., and Remarks.
1	R. Gopala Aiyangar (On duty) other duty)	10 July	N. Arcot	Vellore	Rs. 200	Rs. 3 a day.
2	C. Jagannatha Mudali	14 Feb.	Do.	do.	100	Rs. 2 a day.
3	V. E. Prasadanthara Aiyar, B.A., &c., &c.	29 Nov.	S. Arcot	Tirukkoyilur	200	Rs. 2 a day.
4	S. Parakkabram Aiyar	1 Nov.	Coimbatore	Satyamam	150	Rs. 2 a day.
5	P. V. Baghara Chariyur	1 Apr.	Coimbatore	Madampalle	200	Rs. 2 a day.
6	M. Radhakrishna Aiyar	25 June	Coimbatore	Wellore	200	Rs. 2 a day.
7	C. Rameswami Aiyar	28 June	Coimbatore	Wellore	200	Rs. 2 a day.
8	C. Rameswami Aiyar	28 June	Coimbatore	Wellore	200	Rs. 2 a day.
9	K. Parthasarathi Nayudu	1 July	Coimbatore	Wellore	200	Rs. 2 a day.
10	S. Srinivasan Raju	27 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.
11	C. S. Gopalan	1 Jan.	Coimbatore	Wellore	200	Rs. 2 a day.
12	D. V. Jagannatha Chariyur	29 Apr.	Coimbatore	Wellore	200	Rs. 2 a day.
13	V. Gopala Aiyar	14 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.
14	S. Srinivasan Raju	27 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.
15	C. Rameswami Aiyar	28 June	Coimbatore	Wellore	200	Rs. 2 a day.
16	K. Parthasarathi Nayudu	1 July	Coimbatore	Wellore	200	Rs. 2 a day.
17	S. Srinivasan Raju	27 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.
18	C. S. Gopalan	1 Jan.	Coimbatore	Wellore	200	Rs. 2 a day.
19	D. V. Jagannatha Chariyur	29 Apr.	Coimbatore	Wellore	200	Rs. 2 a day.
20	V. Gopala Aiyar	14 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.
21	S. Srinivasan Raju	27 Dec.	Coimbatore	Wellore	200	Rs. 2 a day.

FINANCIAL DEPARTMENT.

The Hon'ble Sir Edward Fitzgerald Law, B.C.M.C., Ordinary Member of the Council of the Governor-General of India, in charge of the Financial Department.—Pay Rs. 5,000-10-8.

J. F. Finlay, M.A., C.S.I., C.S., Secretary to the Government of India in the Department of Finance and Commerce.—Pay Rs. 4,000.—On furlough.

E. N. Baker, C.S.I., C.S., Offg. Secretary to the Government of India in the Department of Finance and Commerce.—Pay Rs. 3,500-5-4.

H. J. McIntosh, C.S., Deputy Secretary.—Pay Rs. 2,250.

R. A. Mant, B.A., Under Secretary.—Pay Rs. 1,300.

H. N. Handman, Asst. Secretary.—Pay Rs. 750-50-1,000.

J. McChann, Registrar.—Pay Rs. 500-40-600.

No.	Name.	Salary.	Designation.
1 CONTROLLER AND AUDITOR-GENERAL.			
		Rs.	
1	A. F. Cox, C.S., &c.	3,500	Controller and Auditor-General.
2 ACCOUNTANTS-GENERAL.—Pay Rs. 2,750.			
1	O. T. Barrow, C.S.	2,750	Acct.-General, Bombay, with a Local allowance of Rs. 250.
2	E. E. Hamilton	2,750	Acct.-General, Burma.
3 ACCOUNTANTS-GENERAL.—Pay Rs. 2,500.			
1	E. C. E. Branson, C.S.	2,500	Acct.-General, Bengal, with a Local allowance of Rs. 250.—On furlough.
2	P. C. Harrison, C.S.	2,500	Acct.-General, United Provinces of Agra and Oudh.
4 ACCOUNTANTS-GENERAL.—Pay Rs. 2,250.			
1	R. A. Gamble, B.A., C.S.	2,250	Acct.-General, Punjab.—Ag. in 2nd Class, Rs. 2,000.
2	T. H. S. Biddulph	2,250	On Foreign Service.
3	W. H. Dobbs	2,250	Acct.-Genl. Madras.—On furlough.
Officiating.			
1	W. H. Michael, C.S.	2,000	Offg. Acct.-General, Bengal, with a Local allowance of Rs. 250.
2	C. E. Connelley, F.F.S.	2,250	Offg. Acct.-General, Madras.
ENROLLED OFFICERS.			
Class A.—(Five appointments.) Temporarily six. Pay Rs. 1,750, rising by 5 annual increments of Rs. 50 to Rs. 2,000 per annum under old scale.—Pay Rs. 1,500 a month under new scale.			
1	M. O'Connor, C.I.E., M.A., B.L.S.	2,000	Director-General of Statistics.—On special leave on urgent private affairs.
2	T. H. S. Biddulph	2,000	On Foreign Service.
3	C. J. Russell-Carmichael	2,000	On Foreign Service.
4	W. H. Michael, C.S.	2,000	Offg. Acct.-General, Bengal, with a Local allowance of Rs. 250.
5	W. H. Dawson, C.S.	1,500	On furlough.
6	C. E. Crawley, F.F.S.	1,500	Offg. Acct.-General, Madras.
7	P. J. Atkinson, F.F.S.	1,500	Deputy Auditor-General.—On furlough.
8	H. C. H. Evans	1,500	On furlough.

No.	Name.	Salary.	Designation.
Class II.—(Five appointments.) Temporarily four. Pay Rs. 1,250, rising by 5 annual increments of Rs. 50 to Rs. 1,500 per mensem under old scale.—Pay Rs. 1,250 a month under new scale.			
1	A. M. Brigstocke, C.S.	1,500	Deputy Acct.-General, United Provinces of Agra and Oudh; Offg. in Class I.
2	H. J. Brecken	1,700	Offg. Deputy Auditor-General; Offg. in Class I.
3	R. C. Chapman	1,600	Deputy Acct.-General, Punjab; Offg. in Class I.
4	Hla Ong, F.S.A.I. and F.S.A.	1,700	Offg. Comptroller, India Treasuries; Offg. in Class I.
Class III.—(Eight appointments.) Pay Rs. 1,000, rising by 5 annual increments of Rs. 50 to Rs. 1,250 per mensem under old scale.—Pay Rs. 1,000 a month under new scale.			
1	G. D. Pujumee, B.A.	1,250	<i>On furl.</i>
2	F. G. H. Anderson, C.S.	1,250	Offg. Deputy Comptroller-General; Offg. in Class II.
3	W. D. F. Cowley	1,250	Comptroller, Hyderabad.— <i>On furl.</i>
4	M. N. Bhattacharya, M.A.	1,300	Comptroller, Central Provinces; Offg. in Class II.
	L. E. Prichard		<i>On Foreign Service.</i>
5	J. A. Robertson	1,250	Offg. Director-General of Statistics.
6	K. B. Wagle, M.A.	1,100	Deputy Acct.-General, Bombay.
7	G. C. Ray, M.A.	1,000	<i>On deputation.</i>
8	Mahomed Akbar Nazar Ali Hydari, M.A.	1,050	Examiner of Press Accounts, with a Local allowance of Rs. 200.
9	Krishna Lal Datta, M.A. (Sch. pro tem.)	1,000	Asst. Acct.-General, Madras, and Inspector of Local Fund Accounts, with a Local allowance of Rs. 200.
	J. P. Hardiman, M.A.	830-5-4	Asst. Acct.-General, Bombay.
Class IV.—(Ten appointments.) Pay Rs. 800, rising by 5* annual increments of Rs. 40 to Rs. 1,000 per mensem under old scale.—Pay Rs. 800 a month under new scale.			
1	W. S. Adie, B.A., C.S.	1,100	Deputy Acct.-General, Madras; Offg. in Class II.
2	A. Newmarch	1,000	Asst. Acct.-General and Examiner of Local Fund Accounts, United Provinces of Agra and Oudh, with a Local allowance of Rs. 200.
3	P. C. Brewin	1,000	Asst. Comptroller-General, in charge of Paper Currency; Offg. in Class III.
4	V. C. Scott-O'Connor, B.A.	920	Comptroller, Assam; Offg. in Class III.
	W. J. F. Williamson		<i>On Foreign Service.</i>
5	H. G. Tomkins	800	<i>On furl.</i>
6	Raj N. G. Banu Bahadur, M.A.	1,000	Asst. Comptroller-General, Offg. in Class III.
7	P. D. Gordon, M.A.	800	<i>On furl.</i>
8	U. Rajendar, M.A.	800	Asst. Acct.-General, Bengal, with a Local allowance of Rs. 200.
9	W. H. E. Moller	800	Asst. Acct.-General, Punjab.
10	J. C. Mills, M.A., M.L. (Sch. pro tem.)	800	Offg. Deputy Acct.-General, Bengal.
Class V.—(Ten appointments.) Pay Rs. 600, rising by 5* annual increments of Rs. 40 to Rs. 800 per mensem under old scale.—Pay Rs. 600 a month under new scale.			
1	Chuni Lal, M.A.	600	Asst. Acct.-General, Bengal.
2	L. J. W. Worgan	600	<i>On sick leave.</i>
3	C. W. C. Caroll	700	Offg. Comptroller, Hyderabad; Offg. in Class IV.
4	J. B. Hensby	760	Asst. Acct.-General, United Provinces of Agra and Oudh; Offg. in Class IV.
5	W. D. Woodham	750	Assistant Acct.-General and Inspector of Local Fund Accounts, Burmah, with a Local allowance of Rs. 200; Offg. in Class IV.
6	M. K. Ghatak, M.A.	700	Deputy Acct.-General, Burmah; Offg. in Class IV.
7	J. S. Milne	750	Assistant Acct.-General, Bombay; Offg. in Class IV.

* In the case of Officers appointed to the Department not later than the 27th October 1876, the yearly increment in this class will be Rs. 50.

No.	Name.	Salary.	Designation.
Class V.—(Ten appointments.) Pay Rs. 600, rising by 5* annual increments of Rs. 40 to Rs. 800 per mensem under old scale.—Pay Rs. 600 a month under new scale—contd.			
8	R. Waterfield, B.A., (Oxon)	750	Assistant Comptroller, Hyderabad; Offg. in Class IV.
9	A. H. Clarke	700	Asst. Comptroller of Indian Treasuries; Offg. in Class IV.
10	J. S. Chakravarti, M.A., (8th Sub. pro tem.)	560	Assistant Acct.-General, Bengal; Offg. in Class IV.
Class VI.—(Nine appointments.) Pay Rs. 400, rising by 5* annual increments of Rs. 40 to Rs. 600 per mensem under old scale.—Pay Rs. 400 a month under new scale.			
1	P. G. Jacob, B.A., (Cantab)	520	Asst. Acct.-General, United Provinces of Agra and Oudh; Offg. in Class V.
2	G. C. Hart	520	Assistant Acct.-General, Punjab; Offg. in Class V.
3	H. Bhimpasa Rao, B.A.	520	Assistant Acct.-General, Burmah; Offg. in Class V.
4	C. F. Cowie, B.A.	520	Assistant Acct.-General, Burmah; Offg. in Class V.
5	O. J. Sykes, B.A. (Oxon)	520	Assistant Acct.-General, Madras; Offg. in Class V.
6	N. Vijayaraghavan, B.A.	520	Assistant Acct.-General, Madras; Offg. in Class V.
7	A. G. Barr	520	Assistant Acct.-General, Bombay; Offg. in Class V.
8	C. A. G. Ryan	520	Assistant Acct.-General, Punjab; Offg. in Class V.
9	Vacant.		
Class VII.—(Five Probationers.) Pay Rs. 200 a month on first appointment; Rs. 250 on passing the Lower Departmental Examination; Rs. 300 on passing the Higher Departmental Examination.			
1	T. H. Worgan	300	Office of Acct.-General, United Provinces of Agra and Oudh.
2	T. P. Srinivasa Sastri, B.A.	200	Office of Acct.-General, Bombay.
3	J. Davidson, B.A.	300	Office of Comptroller, Assam.
4	Jagan Prasad, M.A.	200	Office of Comptroller, Central Provinces.
5	Vacant.		
CHIEF SUPERINTENDENTS OF THE FINANCIAL DEPARTMENT. 13 appointments.—Pay Rs. 450—500—600.			
1	A. Vasudeva Mudaliyar	600	Office of Comptroller, Central Provinces, for Audit of Local Fund Accounts.— <i>On furl.</i>
2	H. C. King	600	Office of Acct.-General, United Provinces of Agra and Oudh.
3	B. Laville	600	Office of Acct.-General, Burma.— <i>On furl.</i>
4	J. W. Fringle	600	Office of Comptroller and Auditor-General.
5	C. W. Sandford	600	Office of Acct.-General, Bengal.— <i>On degn.</i>
6	J. O. B. Power	600	Office of Acct.-General, Madras.— <i>On sick leave.</i>
7	H. W. J. Ronaldson	600	Office of Comptroller and Auditor-General.
8	W. Blakeman, B.A.	600	Office of Acct.-General, Bombay.— <i>On sick leave.</i>
9	F. A. C. Bebella, B.A.	540	Office of Acct.-General, Bombay.
10	H. Whitford	510	Office of Acct.-General, Punjab.
11	J. W. Bailey	480	Office of Comptroller, Central Provinces.— <i>On sick leave.</i>
12	W. J. Bryning	480	Office of Acct.-General, Bengal, with a Conveyance allowance of Rs. 25.
13	J. Bridgell	450	Office of Comptroller, Assam.
14	F. L. Carvalho, B.A.	450	Office of Acct.-General, Madras, with a Conveyance allowance of Rs. 25.

* In the case of Officers appointed to the Department not later than the 27th October 1876, the yearly increment in this class will be Rs. 50.

No.	Name.	Salary.	Designation.
<i>Chief Superintendents of the Financial Department—contd.</i>			
		Rs.	
W. B. Rostar, (Offg. Supy.)		450	Office of Comptroller-General, with a Con- compenance allowance of Rs. 25.
J. H. Hurst, (Offg.)		450	Do. of Acct. General, Bombay.
G. Chintaman Chitre, (Offg.)		340	Do. of Comptroller, Central Provinces, for Audit of Local Fund Accounts.
W. G. Clague, (Offg.)		450	Do. of Acct. General, Burmah, with a Commissary allowance of Rs. 50.
Randus Sarkar, (Offg. Supy.)		450	Do. of Comptroller-General.
E. H. Hennessy, (Offg.)		450	Do. of Acct. General, Madras.
H. H. Woods, (Offg.)		340	Do. of Comptroller, Central Provinces.
C. B. Sen, (Offg. Supy.)		400	Do. of Comptroller-General.
R. Barton, (Offg.)		400	Do. of Acct. General, United Provinces of Agra and Oudh.
Harnam Das, (Offg. Supy.)		400	Do. of Punjab.
K. Dutta, (Offg.)		400	Do. of Acct. General, Bengal.

THE PAPER CURRENCY DEPARTMENT

Include Paper Currency Office, Branch Branch Treasury, Small Coin Depot, and Circle
Office for Government of India Stock Notes.

Office—Accountant-General's Office, Fort.

For public business Office opens at 11 a.m. and closes at 3 p.m.; on Saturdays at 1 p.m.

PAPER CURRENCY.

Nature of Arrangements.

(1).—The Presidency is divided into two Circles of Issue, Madras and Calicut. The Calicut Circle of Issue consists of the districts of Malabar, South Canara, Coimbatore, the Nilgiris and Coorg, having Calicut as the Office of Issue; and the Madras Circle of Issue consists of all the other districts in the Presidency, with the Town of Madras as head-quarters for the issue of notes for the Circle.

(2).—The Currency Circle of Ceylon was abolished on the 16th August 1881.

(3).—The Exchange Department, at the head-quarters of each Circle of Issue, issues Home notes for coin or other notes, and coin for notes. Other, or foreign Circle notes, are cashed only when there is an available margin of coin. Calcutta notes will at all times be cashed at the Head Office at Madras. The Exchange Department also issues small silver and copper coin in exchange for coin.

(4).—Although no person has a legal claim to obtain cash for notes except at the Currency Office of Issue, notes are cashed freely at mofussil treasuries when the treasury officers are satisfied that no inconvenience can be caused to their treasuries by the encashment. Notes tendered by travellers (other than visitors to hill sanitariums) are cashed to a limited extent, even when the treasury is unable to cash them for the general public.

(5).—At every place other than the Office of Issue, notes of the Home Circle are a legal tender in satisfaction of any claim against Government, though ordinarily no person is pressed to take notes in part or full of his demand. Payment of Government dues may be made in Government currency notes of any Circle of Issue. Railway Companies will receive notes of any Circle in payment of fares and freight.

Claims on Half or Mutilated Currency Note.

(1).—Any person who has a claim upon the Currency Department in respect of a currency note, which is not in such condition as to admit of immediate payment across the counter (i.e., which is mutilated, or half of which has been lost), should address his claim to the Currency Office from which the note issued.

(2).—Before any steps are taken the applicant will be required to deposit the note, or part note, in respect of which he makes the claim. It is not necessary to advertise, in the Gazette or otherwise, claims which are made upon half or mutilated notes.

(3).—When the claim is received, a paper will be issued, requiring the claimant, within fourteen days of its receipt, to give full particulars of the following points, and any other points that may arise out of the enquiry.

- (1).—Name, residence, and occupation of the entire note, and if so, where, when, and on what account he received it.
- (2).—Whether he was ever proprietor of the entire note, and if so, where, when, and on what account he received it.
- (3).—How it came to be mutilated, or if it is a half note, how, and by whom, and for what purpose the note was divided in half.
- (4).—If half of the note has been lost, to state fully the time and circumstances of the loss. If it has been lost in transit he must, to produce the result of enquiry by the Postal authorities. If the letter was not registered to explain why.

(5).—To state the name of any person who can give evidence, either as to applicant's possession of the entire note or as to the circumstances of the loss, and to produce copies of any letters, documents, entries in registers, &c., which give information on these matters.

(6).—If the loss has occurred in transmission through the Post Office, to produce declaration by the person to whom the letter was addressed, that he did not receive it.

N.B.—(A person who receives a half note through the post has no claim to its value. The claim must be put forward by the person who held the entire note.)

(7).—If there has been any delay in applying, it must be fully explained.

(8).—Whether applicant ever before made a claim upon a half or mutilated note; if so, when.

(4).—If the declaration on these points is not sufficient, the Currency Officer is to call for further particulars, or make any further enquiries necessary, either of applicant or of any other person.

(5).—If the Currency Officer considers the information sufficient, he is to submit it to the Commissioner or Head Commissioner, for orders.

In doing so, he is to report (1) when the note was issued; (2) whether any claim or stoppage is noted against it; (3) whether it is still outstanding; (4) any other circumstances bearing on the claim, and ascertainable from his office registers, or otherwise known to him.

(6).—If this officer considers the claim established, he will pass order that the note is to be paid, upon bond of indemnity, that day six months, if no reason to the contrary appear. If he does not consider the claim established, he is to refuse payment, and leave the applicant either to comply with regulation for further evidence, or to take any further steps he may desire.

(7).—One week before the expiry of the period of six months a bond form will be furnished to the applicant with instructions for its execution, and bearing a receipt form on its reverse. The money (less cost of stamp on bond) will, at applicant's option, be paid to him over the counter, or remitted to him by money-order.

(8).—No claim can be admitted unless the applicant satisfies the Head Commissioner or Commissioner, (1) that he was legal holder of the entire note; (2) that he is unable, owing to circumstances properly explained and beyond his control, to produce the entire note, and, by delivery of part of the note to the Currency Department, renders it impossible for any other person to make a claim upon the entire note.

Entire Notes lost.

(1).—Entire notes lost are not paid. The loss of a note of Rs. 50 or upwards in value is registered, and if subsequently presented the loser and the police are informed of the name and address of the presenter. The loss of notes of the 5, 10, and 20 rupee denominations is not registered, nor is presentation reported to the loser or the police. In respect to notes which are alleged to have been completely lost or destroyed, the loss is advertised in the *Fort Saint George Gazette* and in the *Gazette of India*, but the Government acknowledge no liability. When completely satisfied that the notes can never be produced, the evidence of the claimant will be received, and the claim admitted or rejected at once; if admitted the value of the note is to be invested, and no further proceedings taken, nor interest paid till twenty years.

(2).—Intimation of the loss, destruction or mutilation of a note, or portion of a note, must be sent to the office where the note is payable thus—

- (a) If it be a Calcutta Circle note, notice should be sent to the Head Commissioner of Paper Currency, Calcutta.
- (b) If an Allahabad Circle note, notice should be sent to the Deputy Commissioner of Paper Currency, Allahabad.
- (c) If a Lahore Circle note, notice should be sent to the Deputy Commissioner of Paper Currency, Lahore.
- (d) If a Bombay Circle note, notice should be sent to the Commissioner of Paper Currency, Bombay.
- (e) If a Kurrachee Circle note, notice should be sent to the Deputy Commissioner of Paper Currency, Kurrachee.
- (f) If a Nagpore or Akola Circle note, notice should be sent to the Commissioner of Paper Currency, Nagpore.
- (g) If a Madras Circle note, notice should be sent to the Commissioner of Paper Currency, Madras.
- (h) If a Calicut Circle note, notice should be sent to the Deputy Commissioner of Paper Currency, Calicut.
- (i) If a Ceylon Circle note, notice should be sent to the Commissioner of Paper Currency, Madras.
- (j) If a Rangoon Circle note, notice should be sent to the Commissioner of Paper Currency, Rangoon.

(3).—Throughout these rules the expression "lost note" includes a stolen note, and the expression "destroyed note" includes a note lost under such circumstances as render recovery physically impossible.

* Vide Appendix to the "State Paper Currency of India," by G. W. Cline, LL.B., F.R.S., Barrister-at-Law.

RESOLUTION—No. 4024, dated the 23rd September 1891.—By the Government of India, Finance and Commerce Department.

Read again the following letters to the Head Commissioner of Paper Currency:—

No. 3458, dated the 29th October 1879;

No. 914, dated the 15th February 1882; and

No. 3503, dated the 21st August 1882.

Resolution.—Mismatched Currency notes, that is, notes of which the right half of one is joined to the left half of another, when presented to the Currency Office for payment, are dealt with in accordance with the orders contained in the letters read in the preamble. Under these orders no claim for the payment of the value of mismatched notes can be admitted by the Currency Office, but all claims are registered, and if the corresponding halves have already been received or should afterwards be received in the form of a mismatched note, the Currency Office, by joining together the proper halves and paying the entire notes, meets the claims as far as possible. Such notes are held in deposit in the Currency Office for three years awaiting the receipt of the corresponding halves, but thereafter the full value of both the halves is credited to Revenue.

2. The Governor-General in Council is now pleased to decide that in future, instead of crediting the value of both the halves of mismatched notes to Government after they have remained undclaimed for three years, the value of one half should be credited to Government and that of the other half to the depositor of the mismatched note.

(Signed) J. F. FINLAY,

Secretary to the Government of India.

Instructions to claimants of value on Currency notes.

Notes how described.—Each currency note has a serial letter and number and a general number thus: 10100—serial letter "V", serial No. "16", general No. 10100. No action can be taken with reference to any note until it has been thus fully described, or identified in all these details.

Notes when payable across the counter.—A currency note that has the same serial and numbers on both halves, and is neither mutilated nor altered nor forged, is payable to the bearer on demand at the office of the circle from which it was issued; and, if a sub-circle note, at the office of the head circle also.

Notes lost or stolen.—The payment of a genuine currency note cannot be "stopped," as all entire currency notes are payable to bearer on demand. The Currency Department, however, registers the loss of notes from Rs. 50 and upwards when correct details, viz., serial letter and number, and general number, are given, and sufficient cause shown; and informs the loser and the Local Police when the note is earned. For further action in the matter the loser should communicate with the Police, as it is not the province of a Currency Office to trace back lost or stolen notes. No claim for the value of a lost or stolen note, except on presentation of the note itself, can be entertained.

Wholly destroyed notes.—When a currency note has by any accident been totally destroyed, full description of the note and of the circumstances of its destruction should be sent to the Currency Office of the circle of issue to which the note belonged. Government are under no legal liability to pay the value of such a note, but payment after twenty years is sometimes made as a concession.

Half notes.—A half note represents no value, nor has a person holding only one-half of a note any claim to recover value when the other half has been transferred, either by him or by the last legal holder of the entire note, to the legal possession of another person. When one-half of a note is lost, the other half should be sent to the Currency Office of the circle of issue to which the note belongs, and an application for refund of the value of the note made by the person who last held simultaneously both halves of it. Government are under no legal liability to refund value of half notes, but payment may be made as a concession, if the Commissioner or Head Commissioner of Paper Currency thinks such a course warranted by the facts of the case.

Mutilated or altered notes.—A mutilated or altered note represents no value. Payment can be made only as a concession, and the decision rests in the first instance with the Currency Office, and then, in case of doubt or appeal, with the Commissioner or Head Commissioner of Paper Currency.

Mismatched notes.—A mismatched note represents no value, but the Currency Department is willing to hold such a note on behalf of depositors, and to pay value on them on receipt of either one or both of the corresponding halves. Further, if a mismatched note remains in deposit for three years and no payment has been made on it in the meantime, one value is paid on the expiration of the above period.

Altered notes.—When any portion of a note has been erased, inked over, cut out, torn through, or otherwise altered, so as to throw doubt on the identity of the note, or to make it appear as another note, payment on it is refused altogether, and the note is impounded under rule.

NAMES OF CIRCLES CONSTITUTED UNDER THE MADRAS SALT ACT, 1889.

SALT, ABKARI AND CUSTOMS DEPARTMENT.

SECTION I—NORTHERN DIVISION.

1. *Chittoor Sub-Division* (9 Circles).—Ganjam, Sarla, Naupada, Calagupatam, Konada, Karnam, Polavaram, Bobbili and Anakapalle.
2. *Circars Sub-Division* (4 Circles).—Penuguduru, Mogalsurru, Rajahmundry and Eluru.
3. *Machilipatnam Sub-Division* (4 Circles).—Manginapudi, Nizampatam, Bezvada and Narasimpet.
4. *Nellore Sub-Division* (6 Circles).—Kanuparti, Pakala, Kavali, Lakapalle, Krishnapatnam and Tada.

SECTION II—CENTRAL DIVISION.

5. *Chingleput Sub-Division* (6 Circles).—Tiravallur, Ennore, Madras Depôt, Madras Town (a), Coravelong and Cheyur.
6. *Bellary Sub-Division* (7 Circles).—Bellary, Hospet, Anantapur, Penukonda, Markapur, Kurnool and Nandyal.
7. *Arcon Sub-Division* (5 Circles).—Cuddapah, Madanapalle, Ranipettai, Chittoor, Vellore, Arni, Salem and Hosur.
8. *Cuddalore Sub-Division* (5 Circles).—Merkanum, Tirukoyilar, Cuddalore, Villupattam and Tranquebar.

SECTION III—SOUTHERN DIVISION.

9. *Nagapatnam Sub-Division* (5 Circles).—Nagapatnam, Vedaramiyam, Adirampatnam, Kattamavadi, Nannilam and Vattanam.
10. *Tinnevely Sub-Division* (6 Circles).—Morekolam, Tuticorin, Kayalpatnam, Kuttanagali, Srivilliputtur and Tinnevely.
11. *Trichinopoly Sub-Division* (9 Circles).—Palmi, Madurai, Sivaganga, Tanjore, North Trichinopoly, South Trichinopoly, Erode, Coimbatore and Bhavani.
12. *Calicut Sub-Division* (7 Circles).—Palghat, Ponnani, Calicut, Tellicherry, Kanargod, Mangalore and Udipi.

SECTION IV.

13. *Distillery Circles* (3 Circles).—Northern Distillery Circle, Central Distillery Circle and Southern Distillery Circle.

BOARD OF REVENUE.

SALT, ABKARI AND SEPARATE REVENUE DEPARTMENT.

The Hon. Mr. H. Bradley (Bar-at-Law) I.C.S., 2nd Member, Board of Rev. and Commr. of Salt, &c., Rev.—Salary Rs. 3,600—Ag. 1st Member.—Salary Rs. 3,670.—MADRAS.

C. G. Todhunter, I.C.S., Secy. to the Commr. of Salt, &c., Rev.—Pay Rs. 1,620\$.—MADRAS.

R. G. A. Thomson, Ag. Asss. do. —MADRAS.

DEPY. COMMRS. OF SALT, ABKARI AND CUSTOMS DEPARTMENT.

Wilfred A. Fowler, S. Divn.—Pay Rs. 1,400\$.—TRICHINOPOLY.

Bryce McMaster, N. Divn.—Pay Rs. 1,320.—WALTAIR.

R. A. Graham, I.C.S., C. Divn.—Pay Rs. 1,380\$.—On other duty.

H. G. Stokes, S.A., I.C.S., Ag. in C. Divn.—Salary Rs. 1,013-5-4.—MADRAS.

Ebenezer Bennett, Dy. Commr. of Abkari.—Pay Rs. 950\$.—MADRAS.

* Exclusive of the Cochin Frontier Circle.

† Including the Cochin Frontier Circle.

‡ Pay Rs. 1,500, rising to Rs. 1,800 by 5 annual increments of Rs. 60.

§ Pay Rs. 1,200, rising to Rs. 1,400 by 5 annual increments of Rs. 40.

¶ Pay Rs. 800, rising to Rs. 1,000 by annual increments of Rs. 25 and thenceforth by increments of Rs. 50 to Rs. 1,300.

ASSISTANT COMMISSIONERS OF SALT, ABKARI AND CUSTOMS DEPARTMENT.

Sl. No.	Language	Name	Date of promotion to present grade	Sub-Division	Station, &c.	Remarks
FIRST GRADE, No. 2—Pay Rs. 599.						
1	Tam.	Francis George Marshall	1 Apr. 1902	Timmevelly Sub-Div.	Tulakorn.	
2	.....	.....	.....	.....	.....	.....
SECOND GRADE, No. 4—Pay Rs. 600.						
1	Tel.	Edward Rowland Reginald Mainwaring	1 Apr. 1901	Manipal Sub-Div.	Manipal.	H. R. Rs. 46-2-6. Posted to Arcot Sub-Div.
2	Tam.	Alfred Elmer Russell	6 Aug. 1900	Arcot Sub-Div.	Vellore	H. R. Rs. 46-2-6. On Priv. leave for 3 months and 22 days from 12th June 1902, and Furl. on Medl. Cert. for 3 months and 4 days. Eten. for 6 months. Posted to Manipal Sub-Div.
3	Tel. Hin.	George Whiston Brown	31 July 1901	Chinnole Sub-Div.	Waltair	H. R. Rs. 46-2-6.
4	Tam.	A. K. Maheswami Aiyangar, s.s.	1 July 1902	Cuddalore Sub-Div.	Cuddalore	H. R. Rs. 46-2-6.
THIRD GRADE, No. 3—Pay Rs. 600.						
1	Tam. Tel.	Ralph Wilfred Kite	31 July 1901	Trichinopoly Sub-Div.	Trichinopoly	H. R. Rs. 45-2-6.
2	Tam.	Charles William Pelly St. John	27 Aug. 1901	.....	.....	On Priv. leave for 2 months from 5th Apr. 1901, and Furl. for 16 months and 7 days from 5th June 1901. Eten. on Medl. Cert. for 9 months and 12 days. Permitted to return to duty.
3	Urdu.	Charles Vernon Dalrymple-Hay	1 July 1902	Nellore Sub-Div.	Nellore	Posted to Negapatam Sub-Div.

FOURTH GRADE, No. 6—Pay Rs. 599.						
1	Tel. Tam.	Thomas Robertson Barber	1 Apr. 1900	Cocanada Sub-Div.	Cocanada	H. R. Rs. 45-2-6.
2	Tel.	Casimir MacKellar Sherman	1 Apr. 1900	Calicut Sub-Div.	Calicut	H. R. Rs. 46-2-6.
3	Tam. Tel.	James Wallace Simpson	.....	.....	.....	H. R. Rs. 45-2-6. Ag. Asst. Commr., Sea Customs Office, Madras. Granted Priv. leave for 3 months and Furl. for 1 year and 6 months.
4	Tam.	Arthur Symonds Kearns	31 July 1901	.....	.....	On Priv. leave for 27 days from 18th Apr. 1902, and Furl. on Medl. Cert. for 1 year from 16th May 1902.
5	.....	Henry Carr Sherman	27 Aug. 1901	.....	.....	On Priv. leave for 3 months from 2nd Oct. 1901, and Furl. for 1 year from 2nd Jan. 1902. Permitted to return to duty. Posted to Sea Customs Office, Madras.
6	.....	R. M. Tharley	1 July 1902	.....	Madras	Supt. of Statistics, Sea Customs Dept., Madras. H. R. Rs. 46-2-6.
7	Can. Tel. Tam. Hin. Fulu	Oecil Ewald Rhenius	1 Oct. 1902	Bellary Sub-Div.	Bellary	H. R. Rs. 46-2-6.
1	Tam.	Henry William Frank Wroughton Inspr., 2nd Gr.	.....	Chingleput Sub-Div.	Madras	Posted to Arcot Sub-Div.
2	.....	Robert Penton Tillard, Inspr., 2nd Gr.	.....	Negapatam Sub-Div.	Negapatam	
3	.....	Edwin Ebenezer Scott, Inspr., 1st Gr.	.....	Arcot Sub-Div.	Vellore	H. R. Rs. 45-2-6.
4	.....	Robert George Alexander Thomson, Inspr., 2nd Gr.	.....	.....	Madras	Ag. Asst. Secy. to the Commr. of Salt &c., Rev. H. R. Rs. 46-2-6.
5	.....	B. W. B. T. Fleming, Inspr., 3rd Gr.	.....	Manipal Sub-Div.	Manipal	Ag. Secy. to the Bd. of Exrs. To Act. H. R. Rs. 46-2-6.

INSPECTORS OF SALT REVENUE.

Districts.	Circle where employed.	Names.	Pay.
First Grade.			
Madras	Ennore	B. E. Senth (on dep.)	400
Cuddalore	Merkanam	H. C. Poole (on dep.)	400
Chingleput	Tiruvallur	M. Vandevelu Nayudu, (on leave)	400
Kistna	Bezwada	J. R. Wilson	400
Tinnevely	Tuticorin	F. W. Gahan	400
Coimbatore	Coimbatore	C. H. MacBride	400
Kistna	Bezwada	C. E. Stewart	400
Godavari (Cocanada)	Northern Distillery Circle	R. M. Thurlay (on dep.)	400
Salem	Salem	J. A. Muller	400
Kurnool	Markapur	C. E. Rhettus (on dep.)	400
Malabar	Ponani	L. D. D'Vas	400

Second Grade.			
Madras	Madras Depot	J. J. Drisdley	350
Madras	Ennore	S. W. Bone	350
Vingapattam	Pollavaram	I. Brown	350
Cuddalore	Cuddalore	W. Chamber, (on dep.)	350
North Arcot	Chittoor	W. A. Connor	350
Tinnevely	Tuticorin	E. W. Smith (Under Suspension)	350
Ganjam	Ganjam	J. W. Grotorax	350
Godavari	Rajahmundry	B. A. K. Maybury	350
Godavari	Pennaguduru	H. W. F. Wroughton, (on dep.)	350
Malabar (Calicut)	Southern Distillery Circle	E. W. H. Doreton	350
South Canara	Mangalore	R. L. Haden	350
Madras	Central Distillery Circle	R. G. A. Thompson (on dep.)	350
Tinnevely	Scriveipettur	S. Aravamudan Aiyangar	350
Chingleput	Cavelona	R. P. Tihard (on dep.)	350
Madras	Madras Town Circle	A. H. Kaundinya	350
Madras	Board Office	V. A. Anantarama Aiyar, B.A. (on dep.)	350
North Arcot	Vellore	N. Seshagiri Rao, B.A.	350
Godavari	Pennaguduru	R. M. Brookes	350

Third Grade.			
North Arcot	Arni	H. Mangesh Rao	300
South Arcot	Cuddalore	T. G. Everett	300
Tanjore	Negapatnam	V. Sadasoga Chari	300
Chingleput	Cavelona	S. C. W. Graham	300
Ganjam	Karasa	C. S. Roland (on dep.)	300
Tanjore	Adirampattam	V. Govinda Mudaliyar	300
Madras	Madras	D. G. Vivian	300
Kistna	Nizampatam	W. J. Woodhouse	300
Salem	Hoar	H. W. M. Brown, (on dep.)	300
Madras	Stivagana	M. Gopal Rao	300
Tinnevely	Morkolam	E. Norcor	300
South Arcot	Tirukhoyilur	C. Kuppaswami Aiyar	300
Malabar	Calicut	J. E. Johnston	300
	Negallur	B. W. B. T. Fleming	300
Coimbatore	Brade	P. W. M. F. Jones	300
Cuddalore	Madanapalle	P. W. Good	300
Coimbatore	Bhavani	S. Subramanyam Aiyar, B.A.	300
Tanjore	Adirampattam	A. P. Rangaswami Nayudu	300
Madras	Board's Office	A. Cepela Aiyangar, B.A.	300
Nellore	Kayal	V. P. Ramaswami Aiyar	300
	Central Distillery Circle	J. P. D. Moore	300
Tanjore	Nannilam	A. B. Colquhoun	300
Tanjore	Vettanam	M. G. K. Watts	300

Districts.	Circle where employed.	Names.	Pay.
Fourth Grade—cauld.			
Nellore	Tadapalle	J. B. Andrews	250
South Arcot	Tirukhoyilur	C. Saravana Mudaliar	250
Tanjore	Kattumavadi	T. K. Vasudeva Rao, (on leave)	250
Tanjore	Vettanam	G. T. Gahan	250
Tinnevely	Kattunguli	T. Pacheco, B.A.	250
Tanjore	Kayalpatnam	W. G. Oliver	250
Kistna	Soria	H. B. Rendie	250
Kistna	Narasimhapet	A. Seshagiri Rao	250
N. Trichinopoly	Trichinopoly	T. T. Ramaswami Aiyar, B.A.	250
Malabar	Ponani	V. S. Annaswami Aiyangar, B.A.	250
South Canara	Mangalore	G. Wilson	250
Ganjam	Konada	K. K. Kuppaswami Aiyangar	250
North Arcot	Ranipettai	E. J. Whitechurch	250
North Arcot	Ranipettai	K. Raghava Chari	250
South Canara	Kasaragod	K. A. Ramaswami Aiyar	250
Chingleput	Tiruvalur	P. Singari Nayudu	250
Ganjam	Northern Distillery Circle	E. A. James	250
Trichinopoly	S. Trichinopoly	A. C. Oliver	250
Malabar	Palghat	P. Narayanaswami Mudaliar	250
Tinnevely	Tinnevely	A. V. Panchapagesa Aiyar, B.A., B.C.E.	250
Cuddalore	Madanapalle	K. W. Bickle	250
Kistna	Krishnapattanam	A. A. Deighton	250
Ganjam	Kasera	A. N. McLeod	250
Anantapur	Pankoth	J. H. Kenyon	250
Salem	Hoar	F. Hodding	250
South Canara	Mangalore	M. H. M. Lamb	250
Kurnool	Kurnool	S. C. H. Robinson	250
Tanjore	Tranquebar	J. G. Manonmani Pillai, B.A.	250
	Naupada	E. J. Bower	250
		G. R. Beeson	250
		W. H. B. Chatterton	250

EXAMINATIONS IN THE VERNACULARS, ETC. CONDUCTED BY THE BOARD OF EXAMINERS, MADRAS.

For Civil Officers.

The Standard examinations of Assistant Collectors and the examination of Police Officers and Cantonment Magistrates will be held in January and July.

The examinations in the Native languages of all officers, Civil and Military, both in Madras and in the mofussil, will be held at the same time as the Standard examinations, viz., half-yearly, in January and July. (But see also note regarding Examinations for Military Officers, page 324.)

The following fees will be charged for each voluntary examination and for the examination, whether voluntary or obligatory, of gentlemen not in the Government service:—

Rs. 15 for a minor examination.

„ 20 for examinations for High Proficiency and Honors.

Examinations according to the Second Class, High Proficiency and Honors tests, and the Special test in Urdu, cannot be passed piecemeal.

For Assistants in the Indian Civil Service.

21. Assistants are required to pass examinations by two standards—the first examination or Lower Standard and the second examination or Higher Standard.

22. Half-yearly examinations of Assistants shall be held each year on such dates and at such stations as may be fixed by the President of the Board of Examiners. Attendance at Madras shall be compulsory in the case of candidates who appear for subjects in which a portion of the examination is conducted *ad vice*.

23. An Assistant shall pass the Lower Standard before he will be considered qualified to act as Head Assistant.

24. Acting allowance is not admissible to a Junior Civilian acting as Head Assistant Collector unless he (1) has passed the Lower Standard and (2) has also been invested with the powers of a first-class Magistrate. If, however, exceptional responsibility is

imposed on an officer who has not complied with these requirements, and who is therefore not entitled to any acting allowance under the ordinary rules, the matter may form a ground for a special relaxation of the conditions under the orders of the Government of India.

25. An Assistant who has passed the Lower Standard may be entrusted with a division of a district.

26. Until an Assistant has passed the Higher Standard he shall not be eligible for the permanent appointment of Head Assistant.

27. The pay of a passed Assistant is admissible to an officer who has passed the Higher Standard and who has been invested with the powers of a first-class Magistrate. If the officer is qualified to be, or has already been, invested with first-class Magisterial powers at the time when he appears for the Higher Standard, he will be entitled to draw enhanced pay from the first day of the examination at which he completes the test; in other cases the enhanced pay will be granted only from the date on which the officer is appointed to be a first-class Magistrate.

NOTE 1.—An officer cannot be invested with first-class Magisterial powers until he has exercised second-class powers for at least six months.

NOTE 2.—Vide also rules 6 and 11.

28. All Assistants who have not passed the Lower Standard and who have been more than six months at their stations as Assistants, shall be subjected to half-yearly examination. All Assistants who have passed that standard but have not passed the Higher Standard, and who have been more than two years at their stations, shall be subjected to half-yearly examination.

29. An Assistant who fails to pass the Lower Standard before completing three years' actual service shall be suspended, and the same penalty will be incurred by an Assistant failing to pass the Higher Standard within four years' actual service. The periods here mentioned shall be held to extend to and cover the examination following their actual termination.

30. The following are the subjects of examination, with the number of marks allotted to each:—

I. OR LOWER STANDARD.		Divided into	Number of marks	Number of marks
		Part I.	Part II.	Part III.
Division A.—One of the vernaculars of the Presidency, to be selected by the Assistant.	(1) Conversation	50	50	35
	(2) Translation	30		
	(3) Dictation	30	110	65
	(4) Reading and explanation of extracts	30		
Do. B.	(1) Penal Code, Special and Local Criminal Laws.	Without books	50	
	(2) Criminal Procedure Code.	With books	55	125
Do. C.	Revenue, &c., Law, Board's Standing Orders, &c.	Without books	100	100
		With books	100	
Do. D.—Law of Evidence			100	50
Do. E.—Civil Account Code, without books			100	35
II. OR HIGHER STANDARD.				
		Part I.	Part II.	Part III.
Division A.—First language, to be selected by the Assistant.	(1) Conversation—Conversing with accuracy and fluency in the vernacular language	100	70	
	(2) Translation—(a) From the vernacular language into English with accuracy a printed passage in narrative style	50		
	(b) From English into the vernacular language a similar passage in like manner	50	100	70
	(3) Reading and explanation of extracts and other official papers in different handwritings with fluency, explaining their meaning in the vernacular language and dictating orders in it.		100	70
Do. B.—Second language, to be selected by the Assistant.	(1) Conversation	30	30	15
	(2) Reading and explanation of extracts	30	30	45
Do. C.—Revenue, &c., Law	Without books	100	20	100
	With books	100		

H. OR HIGHER STANDARD—*contd.*

Division	Subject	Number of marks	Number of marks
Division B.—Principles of Revenue Settlement—	(1) Selections from the Records of the Madras Government, No. 53.		
	(2) The Settlement Manual	100	50
	(3) Baden Powell's Land Systems in British India, Vol. III, Book IV, Part I, Madras.		
	(4) Standing Instructions for the Madras Presidency under head of Settlement.		

NOTE.—This list is somewhat long, but it is not intended that candidates should be required to show that they possess more than a general knowledge of the principles of settlement.

Division E.—Survey Manual	100	50
Do. F.—Civil Account Code, without books	100	35

31. An Assistant, who has once passed in any one of the above divisions (A, B, &c.), according to either standard, shall not be required to pass in it again by the same standard; but in order to pass in a division, a candidate shall obtain the separate minimum provided for each sub-division, provided that an Assistant, who at an examination for the Lower Standard has obtained 100 marks in Division C, shall be held without further examination to have passed in Division C of the Higher Standard.

32. An Assistant shall not be eligible for examination in any division of the Lower Standard, except Division D, within 6 months from the date of his reporting his arrival in Madras.

33. An Assistant may appear for examination in Divisions D, E and F of the Higher Standard at any time, but he may not be examined in Division A or B of the Higher Standard until he has passed in Division A of the Lower Standard. No Assistant will be considered to have passed in Division F of the Higher Standard unless he either at the same examination passes, or has at a previous examination already passed in Division E of the Lower Standard.

34. The principal object of the Lower Standard is to test the proficiency, for practical purposes, of the Assistant in one of the vernacular languages of the Presidency. For this purpose at least three papers, which he has never seen before, taken from official records very much at hazard, and written by different persons in a plain running hand, must be read aloud by the Assistant correctly and without difficulty, and after being read aloud, their contents must be correctly explained by him in English. An English judgment, brother official paper to be furnished by the Board of Examiners, must be translated by him into the vernacular without assistance. The translation must be substantially correct in meaning and intelligible to a native, tolerably correct in grammar and spelling, and free from any very bad errors of idiom. He must dictate off-hand, with some fluency, the translation into the vernacular of an English report or other official paper, also to be furnished by the Board of Examiners, the translation whereof shall be written down exactly as dictated. The dictated paper must, in like manner, be intelligible and substantially correct. He shall then be tested in conversation with two or three natives in such manner and to such extent as shall suffice to satisfy the Examiners as to the degree of his power of understanding natives of different classes and of making himself understood by them—such conversation or colloquial examination to be confined to the ordinary duties and business of a court or chutcheri, and not to embrace abstruse or peculiar subjects. When the mother-tongue of an Assistant is the language of examination, he shall be tested in the reading and explanation of official manuscripts only.

35. The next object of the Lower Standard is to test the Assistant's general acquaintance with the leading principles of the system of revenue administration and criminal justice and especially with so much of laws and rules of procedure as it is necessary for an officer to know in order to exercise properly the highest functions of an Assistant to a Collector and Magistrate. For this purpose sets of questions on Revenue and Magisterial subjects, and on the Law of Evidence, shall be furnished by the Board of Examiners. These questions shall be so framed as to show the possession or the want of a general and intelligent acquaintance with the subjects of examination and the laws applicable thereto. The paper under Divisions B and C shall contain questions on the Regulations, Acts, and other books and rules as shown in the lists appended to Rule 40. The questions in the subjects comprised in Divisions B and C shall be arranged in two classes—one dealing with the more important or more common Acts and orders, in answering which no books shall be allowed, and the other class dealing with less important and less common subjects, in answering which the assistance of books shall be allowed. The use of guides, digests or summaries shall not however be permitted, the Assistant being confined to the original laws, standing orders, rules and manuals prescribed in the lists appended to Rule 40, the object being to test the Assistant's knowledge of where readily to find the law or practice on points arising in the ordinary course of business. The paper on the Civil Account Code, Volume I, under Division E, shall contain ten questions of a simple and practical character, and such as can be answered without difficulty by a candidate who has an intelligent knowledge of the general system of Treasury Accounts and of the general work connected therewith.

36. The Higher Standard is similar in its nature to the Lower, but more difficult in degree. The candidate must pass in two* vernacular languages, but may name which of them he chooses as his "First language." In the language thus selected he must be able (a) to dispose of vernacular correspondence by vernacular orders, and (b) to conduct a case without an interpreter. In testing the candidate's qualification under (a), vernacular manuscripts shall be given to him to read. These papers will be written in a common office running hand and must be read by the candidate with fluency. The "orders" to be passed shall be dictated by the candidate and shall be written down by a native clerk exactly as dictated. Under (b) the test shall be applied as follows:—A number of persons, not less than three, will make statements in narrative form in the vernacular. The candidate must write down these statements with accuracy in English as they are delivered, and then read them over to the deponents in the vernacular with a view to ascertain whether the statements have been correctly written down, making such additions or corrections as may be found necessary. Assistants who are or who have at any time been stationed in the Ganjam and Vizagapatnam districts may offer Odia as one of their compulsory languages for the Higher Standard examination, provided that the other compulsory language is either Telugu or Tamil.

37. The standard of tests in translation and conversation in the First language shall be as high as that required for the High Proficiency examination. The general scope of this portion of the examination is indicated in Rule 30† *supra*, and, in regard to translation, the rules are sufficiently explicit. With a view to test a candidate's ability to converse in the language, he will be required to carry on a conversation with three different persons for at least five minutes each on subjects essentially different. The persons chosen should be not only of different degrees of intelligence, but should also be distinguished by peculiarities of pronunciation and by differences in the character of the language spoken by them, e.g., one might be a vernacular clerk, one a ryot and one a fisherman or a cooly. It will not be sufficient for the candidate to understand what is said to him by these persons; he will be required also to make himself intelligible when speaking the language to them, and it is to this end that the minimum time for each conversation is prescribed.

38. In the test for the second language of the Higher Standard the examinee shall be required to possess a fair colloquial acquaintance with the language, to translate correctly an official paper read to him, to translate orders in the language and to read ordinary writing.

39. The questions in Division C of the Higher Standard shall cover the whole field of the duties of a Collector, and shall be arranged in two classes as prescribed in Rule 35 for Divisions B and C of the Lower Standard.

40. The following is a list of Acts* and text-books which should engage the attention of Civilian students for Divisions B, C and E of the Lower Standard and Divisions C and F of the Higher Standard:—

DIVISION B, LOWER STANDARD.

Without books.

Indian Penal Code.
Criminal Procedure Code.

Forest Act (Chapter VII—Penalties and Procedure).
Abkari Act.

With books.

All the Acts, Regulations and text-books shown in list A.

DIVISION C, LOWER AND HIGHER STANDARDS.

Without books.

Madras Regulation—IX of 1822.

" Act II of 1864.

" VIII of 1865.

" III of 1869.

" II of 1894.

" III of 1895.

" IV of 1897.

Standing Orders of the Board of Revenue.

(1909) New edition (Nos. 1 to 51, 99 and 91).

With books.

All the Acts, Regulations and text-books shown in list B.

*The Acts included in this list should be read subject to any modifications which may have been introduced into them by subsequent enactments. A candidate must ascertain for himself whether any such modifications have been made. A "List of Acts and Regulations in force in the Madras Presidency" published from time to time by the Legislative Department is found in each Collector's Library.

DIVISION E, LOWER STANDARD.

Without books.

Civil Account Code, Chapters 1 to 6, 10, 15, 17 to 20, 29, 30, and Appendix K.

DIVISION F, HIGHER STANDARD.

Without books.

Same as for Division E, Lower Standard.

LIST A.

Year.	No.	Subject or short title.	Year.	No.	Subject or short title.
<i>General Acts of the Governor-General in Council.</i>					
1859	XIII	Fraudulent Breaches of Contract by Workmen.	1879	XXI	Foreign Jurisdiction and Extradition.
1864	VI	Whipping.	1890	XI	Prevention of Cruelty to Animals.
1869	XV	Prisoners' Testimony.	1893	V	Execution of Capital Sentences Act.
1871	I	Cattle Trespass.	1894	IX	Prisons Act.
1873	X	Indian Oaths.	1897	VIII	Reformatory Schools.
1874	IX	European Vagrancy.	1900	III	Prisoners Act.
1878	I	Opium.			

Local Acts of the Governor-General in Council.

1859 XXIV Police.

Unrepealed Madras Regulations.

1816	XI	Police.	1821	IV	Police: Punishment by Heads of Villages of petty thefts.
1819	II	State Prisoners.			
<i>Madras Acts.</i>					
1866	V	Labour Contract with Natives.	1889	III	Towns Nuisances.
1888	III	Places of Public Resort.		IV	Madras Salt.

Books.

(1) Mayne's Indian Penal Code.

(2) Prinsep's Code of Criminal Procedure.

(3) Weir's Law of Offences and Criminal Procedure.

LIST B.

General Acts of the Governor-General in Council.

1850	XVIII	Protection of Judicial Officers.	1889	VIII	Amending the Sea Customs Act, 1878, and the Indian Tariff Act, 1882.
1870	VII	Court Fees.			
1871	XXIII	Pensions.	1890	VIII	Guardians and Wards.
1879	Opium.		1894	I	Land Acquisition Act.
	VI	Treasure Trove.		VIII	Indian Tariff Act.
	VIII	Sea Customs.	1896	II	Cotton Duties.
1883	XIX	Land Improvement Loans.	1897	X	General Clauses.
1894	XII	Agriculturists' Loans.	1899	II	Indian Stamp Act.
1896	II	Income Tax.			
1899	IV	Indian Merchandise Marks.			

Local Acts of the Governor-General in Council.

1869	VII	Powers of Tahsildars as to the sale of distrained property.	1855	XXI	Minors, Madras.
	XXIV	Administration of justice and collection of revenue, Ganjam and Vizagapatnam.	1857	VII	Uncovenanted Agency.
			1858	I	Compulsory Labour, Madras.

Unrepealed Madras Regulations.

1802	XXV	Revenue Settlement.	1823	III	Judgments under Regulation IX of 1822, s. 4: Powers of Subordinate Collectors.
1803	XXVI	Board of Revenue.			
1803	II	Collectors.	1828	VII	Subordinate and Assistant Collectors.
1816	XII	Disputed Boundaries: Panchayats.	1831	X	Minors' Estates.
			1832	III	Limitation under Regulation IX of 1822, s. 16.

Year	No.	Subject or short title.	Year	No.	Subject or short title.
<i>Madras Acts.</i>					
1865	VII	Cess for irrigation-water.	1888	I	Local Authorities' Loan.
1866	II	Cattle Disease.	1889	I	Madras Village Courts.
1867	I	General Clauses Act.	1890	IV	Madras Salt.
1871	II	Explaining Madras Act VIII of 1865, s. II, clause 4.		II	Canals and Ferries.
1876	I	Assessment of Land Revenue.		III	Amending Madras Local Boards Act, 1854, and Madras Rent Recovery Act, 1865.
1879	I	Amending Madras Act II of 1866 (Cattle Disease).	1891	I	Madras General Clauses Act.
1882	V	Forests.	1893	IV	Madras Village Cess Act.
1884	III	Amending Madras Act II of 1864 (Revenue arrears).	1894	V	Revenue Enquiries Act.
	IV	District Municipalities.	1896	III	Board of Revenue.
	V	Local Boards.			Registration of Births and Deaths.
1886	I	Abkari.			

Books and Publications.

- (1) Standing Orders of the Board of Revenue.
 (2) Manual of the District in which the officer is serving.
 (3) Rules under the Forest and Abkari Acts.
 (4) Village and Taluk Accounts.
 (5) Village Officers' Manual.
 (6) Memorandum upon Salt Administration, Madras (1894).

41. (1) Independently of the examination in Survey, which is prescribed in Rule 30 *supra* for Division E of the Higher Standard, Junior Civilians must undergo a month's practical training in Surveying, and no officer will be entitled to receive the increased allowance of a "passed Assistant" until he has completed this practical course and received the required certificate.

(2) Survey schools, each lasting one month, are held at convenient centres during the months of May and June. The dates of opening and closing the schools and the places at which they are to be held, are fixed by the Board of Revenue and notified for the information of Collectors early in April.

(3) The most suitable time for practical training in survey work will ordinarily be when an Assistant has attained six months' standing. Before an Assistant has reached that period of his service, he should submit a request to be attached to a Survey party. The Collector will forward the application through the Superintendent, Revenue Survey, for the sanction of the Board of Revenue. The Superintendent of Survey in forwarding it will state to which school the Assistant may, in his opinion, be most conveniently attached.

(4) On sanction being given for an Assistant to join a Survey party, his Collector will make arrangements to relieve him of his ordinary duties during the period of training.

(5) Assistants shall, on joining a Survey party, report themselves to the Collector of the district where the party is working.

(6) Each survey school is superintended by the Survey officer in charge of the division in which the school is held.

(7) The course of instruction is as follows:—

(i) That prescribed for karnams, which lasts about one week and comprises the use of the following instruments:—

Chain, cross-staff, offset pole, plotting and off-set scales, area square.

(ii) The additional course usually undergone by Revenue Inspectors, comprising the use of the following instruments:—

Magnetic compass, protractor, plane table, computing scale.

This course also lasts for about one week.

(iii) The use of the—

Theodolite, Vernier scale, Diagonal scale.

While learning the use of the instruments mentioned above, the method of preparation and practical use of the following survey records and the means of testing their accuracy have to be thoroughly acquired:—

(1) Village maps, (2) Field measurement book, (3) Field register, and (4) Area list.

The Survey officer will take the class of Junior Civilians with him to one or more villages and examine the survey records on the ground for at least 10 days during the course of instruction.

(8) After an Assistant Collector has satisfactorily completed his prescribed course, a certificate in the Form A appended shall be prepared by the officer in charge of the party and forwarded for countersignature to the Superintendent of Revenue Survey, whose duty it will be to satisfy himself, as far as possible, that the certificate is correct and that the time passed with the party has been profitably employed.

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