

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

1913.

Enclosures

Regd.

Spare copies

G.O. No. 669, 19th July 1913.

1024-2

Government Museum.

Recording, with remarks, report on the working of the —, the Marine Aquarium and the Connemara Public Library for the year 1912-13.

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பாதுகாப்பு பிரிவு -1

செய்யுனிருப்பவர பெயர்

Dr. G. S. S. S.

செய்யுனிருப்பவரது எடுத்துக்
கொள்ளப்பட்ட நாள்.
செய்யுனிரு முடிந்த நாள்.

2/10

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சரிபார்க்கும்
முதல் முற்பாள
கையொப்பம்

சரிபார்க்கும்
2ம் முற்பாள
கையொப்பம்

ஆராய்ச்சி
உதவியாளர்
கையொப்பம்

GOVERNMENT OF MADRAS.
EDUCATIONAL DEPARTMENT.

READ—the following paper :—

Letter—from J. R. HENDERSON, Esq., M.B., C.M., F.L.S., Superintendent, Government Museum.

To—the Secretary to Government, Educational Department.

Dated—Madras, the 7th July 1913.

No.—491.

I have the honour to forward for submission to His Excellency the Governor in Council the report on the working of the Government Museum, the Marine Aquarium and the Connemara Public Library during the year 1912-13, and to request that I may be supplied with 160 copies for distribution to other museums, etc.

ENCLOSURE.

Administration Report of the Madras Government Museum, etc., for 1912-13.

I left for England on combined privilege leave and special leave on the 5th May, and Dr. Murray Stuart acted as Superintendent and Principal Librarian, till my return to duty on the 1st November, without prejudice to his duties as Professor of Geology, Presidency College, Madras. My thanks are due to Dr. Stuart for the efficient manner in which he carried on the work during my absence.

2. VISITORS.—The numbers during the year under review, as well as for the preceding year, were as follows :—

	1911-12.	1912-13.
Total number of visitors to the Old Building	326,968	426,809
Total number of visitors to the New Building	335,663	425,742
Largest number of visitors on a single day to the Old Building	45,384	64,338
Largest number of visitors on a single day to the New Building	35,414	65,549
Total number of visitors on Sundays to the Old Building	55,311	74,322
Total number of visitors on Sundays to the New Building	57,765	68,586
Total number of gosha female visitors (on the first Saturday in each month)	10,818	16,403

As usual Kattu Pongal (15th January) was the day on which the Museum was attended by the largest number of visitors.

His Excellency Lord Pentland visited the Museum on two occasions. It was also visited during the year by Her Excellency Lady Pentland, by Lord Islington and other members of the Public Service Commission, and by the Hon'ble E. S. Montagu, Under Secretary of State for India.

3. BUILDINGS.—The new office for clerks was completed and occupied in December. The construction of the extensions to the Sculpture and Economic Galleries, which was commenced in the year under report, is in an advanced stage and it is hoped that they will be ready for use in about three months.

4. THEATRE.—The theatre was used on fourteen occasions during the year as follows :—

Amateur Dramatic Society's entertainments	7
Madras Magic Circle's entertainments	2
Inaugural meeting of the Madras Economic Association (at which His Excellency the Governor presided)	1
S.P.G. High School prize distribution	1
Doveton Girls' School prize distribution	1
Presidency Training School for Mistresses prize distribution	1
Collegiate School prize distribution	1

5. ESTABLISHMENT.—The First Assistant R. Damodaram Nayudu retired on pension with effect from the 16th August 1912, after a faithful service of thirty years in the Museum. By G.O. No. 92, Educational, dated 7th May 1912, Government sanctioned the employment of an assistant on Rs. 100—5—150 for the zoological section, and M.R. Ry. B. Sundara Raj, M.A., a local graduate in Zoology, was appointed to the new post on probation for one year with effect from the 20th December.

I am pleased to record that the entire staff worked well during the year.

6. HISTORICAL.—The historical section received the following additions :—

(1) A Dutch inscribed stone, formerly preserved at the Sub-Collector's office at Chingleput, commemorating the laying of the foundation stone, on 4th May 1749, of a fortification planned by Conrad Peter Keller which was probably part of the Dutch fort "Oranje" at Sadras in the Chingleput district. This fort was taken in 1781 by a British detachment under Captain George Mackay, Commandant of Chingleput, and the stone was in all probability taken to the latter place as a war trophy.

(2) A brass weight from Tranquebar bearing the crowned monogram of King Christian VII of Denmark (1786—1808) and dated 1806.

7. ARCHAEOLOGY AND ART.—Among the more noteworthy additions to this section are the following :—

(1) Cinerary urns and other objects from an ancient rock-cut tomb recently discovered near Calicut, to the existence of which attention was called by the Hon'ble Sir John Atkinson, K.C.S.I., and which was inspected by the Archaeological Survey department at his instance. My thanks are due to Mr. Longhurst, Additional Superintendent, Archaeological Survey, Southern Circle, for this addition to the collection and for an interesting report on the find.

(2) A Jain stone image from the village of Villivakkam in the neighbourhood of Madras. The Assistant Archaeological Superintendent for Epigraphy refers to this ancient monument as "a rare object of historical interest" in page 5 of his report for 1910-11, recorded in G.O. No. 832, Public, dated 28th July 1911.

(3) Five sets of copper plates belonging to the Pāndya and Eastern Chālukya dynasties, received from the Assistant Archaeological Superintendent for Epigraphy (items 1-5 in Appendix A to his report for 1911-12, recorded in G.O. No. 919, Public, dated 29th July 1912).

(4) A large series of wood-carvings representing Hindu mythological figures, chiefly from the Rāmaswāmi temple at Tādpatri in the Anantapur district and the Srinivasaperumāl temple at Tirupati in the Chittoor district. These carvings belonged to temple cars and were presented to the Archaeological department by the temple authorities. I am making arrangements to have this interesting series exhibited on the staircase in the New Building.

The following additions were made to the collection of South Indian bronze images :—Kāmāchi Amman, Vēṅṅpālāsawāmi, Amman and Vishnu, purchased by the Superintendent of the Archaeological Survey, Southern Circle, from funds placed at his disposal by the Director-General of Archaeology and lent to this Museum; two figures of Siva found in the Nellore district, purchased by the same officer out of his office budget and transferred to this Museum; a group of small Vaishnavite images from Srirangam, Trichinopoly district, acquired under the Indian Treasure Trove Act.

Mr. Rea, Superintendent, Archaeological Survey, Southern Circle, continued to be on special duty at the Museum in the work of arranging and cataloguing the antiquities. He has prepared and submitted to Government a catalogue of the prehistoric collection from Adichanallūr in the Tinnevely district.

The collection of brass and of Bidri and silver ware exhibited in the Art Gallery was considerably augmented during the year. As the brass articles were previously exhibited in huge cases in which they were not seen to advantage and from which it was difficult to remove them for cleaning, I devoted some attention while on leave last year to the arrangements followed in English museums for the display of such objects. The old cases are accordingly being gradually superseded by cases similar

in pattern to those in use at the Victoria and Albert Museum, South Kensington, and the opportunity is being taken to classify the objects, as they had not formerly been arranged in any definite manner.

8. NUMISMATICS.—The following coins were acquired under the Treasure Trove Act :—

(1) A gold coin of the Chōla King Rājārāja, in a small bell-metal casket, from the Tanjore district.

(2) Two hundred and thirty-three Roman silver coins (denarii) found in the Coimbatore district, all belonging to two common types, of which several large finds have previously been made in Southern India. One hundred and eighty-four of the coins were struck during the reign of the Emperor Tiberius (14—37 A.D.) and the remainder in the reign of Augustus (29 B.C.—14 A.D.).

(3) Four half pagodas of Venkata of the Vijayanagara dynasty, found in the Gōdāvari district.

(4) Fifty copper Tughlaq coins found in the Kistna district.

(5) Three Moghul pagodas and nineteen Moghul rupees, chiefly from the Imtiyāzgarh (Adoni) mint, found in the Bellary district.

(6) One Tughlaq gold coin, four gold coins of the Mameluk Sultans of Egypt, ten half pagodas of Harihara of Vijayanagara, and forty-seven small gold coins, apparently of Tughlaq or Moghul fabric, all found in the South Arcot district.

Specimens from the last three finds were distributed to the Indian Museum and other institutions in accordance with the rules to regulate proceedings under the Indian Treasure Trove Act (appended to G.O. No. 604, Public, dated 26th July 1907).

Seven copper coins (Muhammadan Viceroy of Madura, Pāndya and Chōla) were presented by the Assistant Archaeological Superintendent for Epigraphy. Five copper coins of the Eastern Chālukya dynasty were presented by M.R.Ry. D. V. Prakasa Row of Coenada.

The most important coin acquired by purchase is an Indo-Danish lead piece from the Tranquebar mint, struck during the reign of Frederick III (1648—1670).

To the Governments of the Central Provinces and the Punjab, to the Central India and Rajputana Agencies, to the Asiatic Society of Bengal and to the Bombay Branch of the Royal Asiatic Society, the Museum is indebted for coins presented to it in the course of the year.

9. ECONOMIC AND BOTANICAL.—The Botanical Assistant made three tours during the year, viz., to the Kurnool district in July, to Travancore in October, and to the Gōdāvari district in January. These resulted in considerable additions to the Botanical and Economic sections, and in a number of photographs illustrating growing plants and methods of manufacture adopted in the case of various vegetable economic products. These photographs are exhibited near the objects to which they refer and the latter thereby rendered more interesting to the general public. It is hoped that in time the more important exhibits in the Economic Gallery will be illustrated in this way. Among the economic products collected were the following :—

(1) From the Kurnool district, bark, fibre and rope from *Hardwickia binata*; reeds of a species of *Cyperus* used in the manufacture of mats; varieties of cholam (*Andropogon sorghum*) peculiar to the district; oil and oilcake from safflower (*Carthamus tinctorius*).

(2) From Travancore, fibre from *Helicteres isora* and *Stercutia urens*; bark from *Antiaris toxicaria* used as a natural cloth by the hill tribes; gums and resins from *Pateria indica*, *Pterocarpus marsupium*, *Stereospermum xylocarpum* and *Hardwickia pinnata*; flour from *Cycas circinalis* and *Corypha umbraculifera*; reeds of the bamboo *Oxytenanthera thwaitesii*; and samples of rubber and rubber-tapping instruments.

(3) From the Gōdāvari district, varieties of country hemp and sunn hemp; tubers of different species of *Dioscorea* and of *Ipomea batatas* used as food; various tanning barks and timber specimens; and local varieties of paddy, of the pigeon pea (*Cajanus indicus*) and of sugar-cane.

In the Botanical Gallery the paper of a large number of "the framed herbarium sheets had become discoloured, and about eighty of the specimens were remounted on white paper and provided with printed labels. The index collection in the Economic Gallery has been rearranged and labels giving a summary of the contents have been added to the exterior of each case.

10. GEOLOGY AND MINERALOGY.—I am indebted to Mr. H. M. A. Cooke, Vice-Chairman of the Kolar Gold Field Mining Board, for an interesting series of exhibits to illustrate the cyanide process of the extraction of gold. The Museum collection formerly only possessed exhibits connected with the pan-amalgamation process which was discontinued at Kolar about seventeen years ago.

Among the additions to this section are the following :—

(1) From Travancore, pegmatite, norite and leptynite, also quartz, garnet, ilmenite and monazite sands.

(2) From Coimbatore, quartz crystals and plagioclase felspar, acquired by purchase.

11. NATURAL HISTORY.—In a tour which I made to the Rāmnād district in February, accompanied by Mr. S. W. Kemp of the Indian Museum, Calcutta, ten days were spent in making collections of the rich marine fauna on the coral reef at Kilakarai. The working out of these collections will take some considerable time, but the specimens are being gradually incorporated with the exhibits in the zoological galleries. The opportunity was taken during this tour of instructing the new Zoological Assistant in methods of collecting and preserving specimens. Tours were also made by the senior Taxidermist to the Kurnool district in July, and by the second Taxidermist to the Nellore district in October.

Among the more important additions to the zoological section the following may be noted :—

(1) A specimen of the Great Snipe (*Gallinago major*) shot by Mr. G. L. Peters near Arkonam on 30th March. This species inhabits Europe and western Asia; yet the only specimens hitherto met with in India, three in number, have all been found in South India.

(2) The following other birds new to the collection :—Great Eared Nightjar (*Lyncornis cervineus*) obtained in August at Tinnevely by the Hon'ble Mr. W. Francis, I.C.S.; Indian River Tern (*Sterna seena*) and Indian Shag (*Phalacrocorax fuscicollis*) both from the Nellore district. The Great Eared Nightjar is a very local bird in Peninsular India, having only been found previously on the Travancore hills; owing to delay in the post the Tinnevely specimen unfortunately arrived in a decomposed state and could not be set up.

(3) The following reptiles new to the collection :—a Loggerhead Turtle (*Thalassechelys caretta*) from Madras, five and a half feet in length, which lived for a considerable time in the Marine Aquarium; the Ceylon race (var. *thermalis*) of the common Pond Tortoise (*Geomyda trivuga*) from Kilakarai.

(4) A collection of fresh-water fish comprising thirty-six species, from the neighbourhood of Madras, the majority of which were collected by the Zoological Assistant before he joined the Museum staff.

In addition to the above a considerable number of specimens, chiefly birds, have replaced older and less perfect ones in the collections.

Exhibits to illustrate the natural surroundings and habits of common South Indian animals have been placed in the galleries, and it is hoped to add considerably to this series in the future. They comprise a section of the burrow of the common black scorpion (*Palamnaeus sulvipes*), and nests of the Trap-door Spider (*Acanthodon constructor*) and of the Carpenter Bee (*Xylocopa tenuiscapa*) also in section.

In a collection of crabs sent by the Trivandrum Museum for identification was a new variety (var. *travancorica*) of a species previously described by myself from Cochin State (*Paratelphusa malabarica*) which has been figured and described in the Records of the Indian Museum. While on leave I prepared a report on the scorpions collected during the Abor Expedition which has since been published in the Records of the Indian Museum, and the opportunity was taken of a somewhat lengthy period of study at the British Museum (Natural History Department) to work out a series of South Indian scorpions belonging to the Madras Museum.

In the vivarium the experiment was made of keeping live insects, and a case containing numerous specimens of the large and gaudy Painted Grasshopper (*Pantoloba picta*) made an attractive exhibit during the cold weather. One of two specimens of the dangerous little viper *Echis carinatus*, received on the 20th October 1911, gave birth to ten young ones on the 6th July in the following year. Another specimen of this viper, captured in the Museum compound, was added to the live animal collection during the year. As the species is not known to occur within municipal limits in Madras this specimen had probably been carried into the compound with laterites which was being used to mend the roads.

12. MARINE AQUARIUM.—The Aquarium continued to maintain its popularity. The total number of visitors during the year under review and the amount realized in entrance fees, were 126,843 and Rs. 4,758 against 124,966 and Rs. 4,654 in the previous year. The largest number of visitors on any single day was 4,576 on Kattu Pongal (15th January). The total admissions on Wednesdays, when the entrance fee is four annas, and on gosha and ordinary days when the fee is one anna in the forenoon and half an anna in the afternoon, are shown below :—

	Morning.	Afternoon.	Total.
Wednesdays	391	1,412	1,803
Gosha days	181	2,387	2,568
Other days	12,389	110,083	122,472

A reprint of the Guide to the Aquarium, consisting of two thousand copies was published in May and nearly eight hundred copies were sold during the year.

13. CONNEMARA PUBLIC LIBRARY.—The total number of readers during the year was 19,207 against 18,574 in 1911-12 :—

Largest number of readers in a day	148
Smallest	22
Largest on Sunday	144
Smallest	46

The number of standard works added to the library was 347, of which 311 were purchased and the rest presented. Among the books acquired may be mentioned Lockyer's "Account of the Trade in India" (1711), which contains an interesting account of Madras in 1704, a "Memorial by Lord Bentinck containing an account of the Mutiny at Vellore" (1810), and Rodriguez's "Hindoo Castes," volume I (all published), a work which appeared at Madras in 1846 and is now scarce.

The fourth supplement to the library Catalogue of Books under Authors' Names was published during the year. The work of preparing a Subject-Index of the books in the library has been completed and every endeavour will be made to issue it at as early a date as possible.

A statement of the number of books issued to readers during the last two years, under the various subject catalogue heads, is subjoined :—

	1911-1912.	1912-1913.
Anatomy; biology; natural history; zoology	912	968
Anthropology; folklore	496	472
Archæology; architecture	237	382
Arts; industries	1,267	1,283
Atlases; maps	72	86
Belles lettres	4,608	5,016
Botany; arboriculture; horticulture	204	274
Chemistry; agriculture; photography	297	308
Classics	206	157

	1911-1912.	1912-1913.
Dictionaries; encyclopedias; gazetteers; manuals	5,291	6,845
Economic products	294	263
Education; ethics; logic	885	981
Exhibitions	19	27
Forestry; timbers	47	62
Geography; physical geography; physiography	92	119
Geology	104	95
History	3,529	4,637
Jurisprudence	382	369
Medicine; surgery; pathology	337	405
Microscopy	28	16
Mineralogy; metallurgy	164	182
Natural philosophy	598	608
Nomenclature; medals; heraldry	89	92
Philology; epigraphy	896	1,308
Photographs	142	160
Physiology	305	348
Public health	104	92
Religion	1,408	1,548
Sport and games	182	265
Travels; voyages	261	266
Vernacular languages	46	68
Fort St. George Gazette (other than current issues)	719	842

14. UNIVERSITY LIBRARY.—The question of a separate building for the Library is still under the consideration of the Syndicate of the University.

The printing of the Catalogue of Books under Authors' Names is in an advanced stage, and it is hoped that it will be published in a few months.

The Library was, as in previous years, used by a number of post-graduate students and others engaged in special research. It will be opened for general use as soon as the catalogue is ready.

15. VALUABLE STOCK.—The necessary inventory was maintained and duly checked. The usual list of donations and statement of expenditure are appended.

APPENDIX A.

DONATIONS, 1912-1913.

- Additional Superintendent, Archaeological Survey, Southern Circle—
 Four large cinerary urns.
 Three amular stands (broken).
 Two medium size urns.
 Two jars.
 A small jar.
 A tray with legs.
 All from a rock-cut tomb near Calicut.
- Antony, Mr. R. N.—
 Trap-door spider (*Acanthodon constructor*) with its nest, from Madras.
- Arackkasswamy Pillai, Mr. J. P.—
 Slough of Rat snake (*Zamenis mucosus*) from Shoranur, Malabar district.
- Assistant Archaeological Superintendent for Epigraphy, Southern Circle—
 Seven copper coins (Mohammadan Rulers of Madura, Pandya and Chola).
- Biekham, Mr. W. S.—
 Butterfly chrysalis.
- Bird, Mrs. F. D.—
 Caterpillar of Hawk-moth.
 Mantis.
- Bobbili, H. H. the Maharaja of, &c. &c.—
 Embroidered coat and vest.
- Bourne, Lady—
 Skin of peacock (*Pavo cristatus*).
- Boys, Mr. H.—
 Mantis.
- Campbell, Mr. Allan, Executive Engineer, P.W.D., Calicut—
 Two crabs (*Colappa hepatica*) from Kalpeni, Laccadive Islands.
- Central India, First Assistant to the Agent to the Governor-General—
 Three silver coins (Gadhahiya (2) and Vigrah Dharma (1)) found in Panohewa village.
 Panth Piploa estate, Malwa Agency.
- Central Provinces, Director of Agriculture—
 One gold coin (Gangaya Deva) found in the Sangor district.
 Four gold coins found at Robinkhed, Buldana district.
- Champaram, Behar and Orissa, District Officer—
 Two gold coins found at Pipra.
- Cooke, Mr. H. M. A.—
 Specimens to illustrate the cyanide process of gold extraction.
- Corporation of Madras—
 Lion (*Felis leo*).
 Lemur (*Lemur fulvus*).
 Five parrots (various species).
 Three pheasants (various species).
 New Guinea Pigeon (*Dovea coronata*).
 All from the Menagerie, People's Park.
- Cross, Mr. F.—
 Mangan-apatite (chlor-fluor variety) found in the Tinnevely district.
- Devanayan, B.A., Mr. D. W.—
 Collection of lizards (*Silana potticariana*, *Cabrita leschenaultii*, *Mabwia corinata*, *M. vertebra* and *M. macularia*).
 Tiger beetles.
 All from Tripattur, Ramanad district.
- Devassahayam, Rev. V.—
 Four Indo-Danish copper coins of Frederick VI and Christian VIII.
- Ettiappuram, Raja of—
 Malformed cocoon.
- Evers, Mr. D. J.—
 Nest and eggs of Tailor-bird (*Orthotomus sutorius*).
- Francis, I.C.S., the Hon'ble Mr. W.—
 Great Eared Nightjar (*Lyncornis caerulescens*) from Tinnevely.

- Giffard, c.s.i., I.M.S., Lieut.-Col. G. G.—
 Skull of Hippopotamus (*H. amphibius*).
- Gopalan, M.E.Ry. M.—
 Two slugs (*Yagimulus* sp.) from Trichur, Cochin State.
- Govindoss Chaturbhujia Doss, Diwan Bahadur—
 Musk deer (*Moschus moschiferus*) from North India.
- Hannington, I.C.S., Mr. F.—
 Various insects.
 Breeding cage for insects.
- Iyaswami Pillai, Mr. P. V.—
 Slough of Python (*Python mularius*).
- Kohlhoff, Mr. O.—
 Large spider (*Psecilotheria* sp.) from Cochin State.
- Lahore Central Museum, Curator—
 Five Moghul rupees.
 Four Moghul rupees found at the Central Jail, Multan.
- Loganatha Mudaliyar, Mr. M. L.—
 Queen white ant.
 Two Butterflies (*Papilio hector*) from Madras.
- Martin, Mr. A. F.—
 Living Chameleon (*Chamaeleo calcaratus*) from Srivilliputtur, Ramanad district.
- Numismatic Secretary, Asiatic Society of Bengal—
 Moghul rupee.
- Newton, Mr. G. H.—
 Sample of wood attacked by a boring beetle (*Bostrychus* sp.) from Villupuram, South Arcot district.
- Peters, Mr. G. J.—
 Great Snipe (*Gallinago major*) from Arkonam, North Arcot district.
- Prakasa Rao, M.A., Mr. D. V.—
 Five copper coins of the Eastern Chalukya dynasty from Vengi, Ellore taluk, Kistna district.
- Raghavendra Rao, Mr. K.—
 Two fish (*Hoplosternum melanostigma*) from Tiruvottiyur, Chingleput district.
- Rajputana Museum, Superintendent—
 Fifteen billon coins of Qutub-ud-din Mubarak, and Ghyas-ud-din Tughlaq, dated 716 to 727 A.H., found at Kanpara, Ajmeer district.
- Royal Asiatic Society, Bombay Branch—
 Three silver coins—Baroda State rupee and half-rupees (from Broach district).
 One copper coin—Ahmad Shah I. of Gujarat (from Kaira district).
- Royappa Pillai, Mr. M.—
 Centipede, from Ramanad.
- Samakot, Manager, Government Farm—
 Varieties of sugar-cane.
- Sankarar, B.A., B.L., Mr. R. S.—
 Earth-snake (*Typhlops braminus*) from Sivaganga.
- Silver, M.A., Rev. A.—
 Scorpion (*Palaemonus fulipes*).
 Solifuge (*Galeodes indicus*).
 Both from Sholinghur, North Arcot district.
- Stoney, Mr. R. F., Executive Engineer, Madras—
 Pintail Snipe (*Gallinago stenura*).
 Long-armed sheath-tailed bat (*Taphozous longimanus*).
 Bicoloured leaf-nosed bat (*Hippodactylus bicolor*).
 Spider.
 All from Madras.
- Sundara Raj, M.A., Mr. B.—
 Specimens of a Phyllopod (*Streptocephalus dichotomus*) from Madras.
 A named collection of fresh-water fish from the neighbourhood of Madras.
- Todd, Mr. A. H. A.—
 Abnormal egg with a second egg inside.
- Trivandrum, Director, Government Museum and Public Gardens—
 Crab (*Plagusia tuberculata*) from Travancore.
- Wills, Mr. H. B.—
 Live snake (*Cerberus rhynchops*) from Madras.

APPENDIX B.

Classified List of Expenditure of Government Museum, Connemara Public Library, and Marine Aquarium, during the year 1912-1913.

GOVERNMENT MUSEUM AND CONNEMARA PUBLIC LIBRARY.

	Actuals, 1912-1913.	Revised estimate, 1912-1913.
	RS.	RS.
Salaries—		
Superintendent	5,361	5,400
Local allowance	420	420
Total ..	5,781	5,820
Permanent establishment, Government Museum—		
Zoological assistant, herbarium keeper, first assistant, second assistant, writer, assistant writer, senior and second taxidermists and 28 peons—36 persons ..	7,215	8,270
Permanent establishment, Connemara Public Library—		
Sub-librarian, three attendants and two peons ..	2,341	2,325
Total, Establishment ..	9,556	10,595
Allowances—		
Travelling allowance	785	700
Grain compensation allowance	700	792
Total, Allowances ..	1,485	1,492
Supplies and Services—		
Cost of specimens purchased on tour	322	
Objects of interest and coins purchased at head- quarters	447	
Fittings, furniture, etc., for the collection	2,053	
Cost of books and publications	896	
Library	1,735	
Lithographic plates	35	7,674
Ammunition	15	
Charges for feeding live animals	333	
Expenses—reading coins	5	
Cost of indented Europe stores	227	
Cost of locally-purchased stores	178	
Freight on Europe stores	65	
Total, Supplies and Services ..	6,816	7,674
Contingencies—		
Purchase and repair of furniture	96	
Tour charges	131	
Cleaning charges	420	
Postage and telegraph charges	110	
Telephone charges	75	11,638
Rents, rates and taxes	4,473	
Office expenses	1,196	
Electric lights and fans	65	
Pay of menials	854	
Miscellaneous	67	
Total, Contingencies ..	7,487	11,638

MARINE AQUARIUM.

	Actuals, 1912-1913.	Revised estimate, 1912-1913.
	RS.	RS.
Permanent establishment, Marine Aquarium—		
Head-keeper, second keeper, third keeper and two door- keepers—5 persons	760	756
Famine batta	108	108
Total, Establishment ..	868	864
Supplies and Services—		
Food for animals	751	
Fittings, etc., for the collection	400	
Cost of locally-purchased stores	17	1,055
Cost of indented Europe stores	78	
Freight on Europe stores	1	
Total, Supplies and Services ..	1,247	1,055
Contingencies—		
Rents, rates and taxes	196	
Postage and telegraph charges	151	
Office expenses	2	1,862
Purchase and repair of furniture	20	
Miscellaneous	1,511	
Pay of menials	53	
Cleaning charges		
Tour charges		
Total, Contingencies ..	1,933	1,862
Total, Marine Aquarium ..	4,048	3,781
Grand Total ..	24,673	41,000

Order—No. 669, Educational, dated 19th July 1913.

Recorded.

2. The thanks of Government are due to the persons who made donations to the museum during the year.

(True Extract.)

W. FRANCIS,
Ag. Secretary to Government.

To the Superintendent, Government Museum.
 " Director of Public Instruction.
 " Accountant-General.
 " Public Department.
 " Revenue Department.
 " Director-General of Archaeology (with C.L.).
 " Public Works Department with reference to paragraph 8 of report.
 Editors' Table.

Forwarded to the

(By Order.)

Registrar.

191

No. 669 Sol, dated 19-7-1913.

1. 30

W 97
Hatched
sent to Kansas Home
C

1872-1873

- Kennedy mas. copies (160)
 - 19 pp copy
 18 Bro } sent
 to Smith onto Spencer }
 to Bro }
 - handwritten note account
 letter to other organizations
 - go Mac series } sent
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PREFERENCE.

URGENT (a).

EDUCATIONAL
LEGISLATIVE DEPARTMENT.

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G.O., No. 4492, dated 190 ..

Number of MS. pages sent

(b)
Correspondence including order or orders
(b)
Notes 124 Twelve

Docket

Number (c) of copies required when struck off (not including
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The Director of Public Instruction.....

The Comr. for Govt. Examinations.....

The Superintendent, Govt. Museum.....

The Surgeon-General.....

The Accountant-General.....

The Collector of.....

The P. D. B.....

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Total ...

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† Copies distributed on..... (Despatcher.)

* To be initialed and dated.

INSTRUCTIONS FOR THE
SECRETARIAT.

(a) If a paper is marked to be printed urgently, the Superintendent of the section concerned should sign the Press slip. The Superintendent should exercise a careful discretion in the matter.

(b) Each letter, memorandum, or order, or set of orders, in the file of correspondence should be headed in succession with the Roman numeral I, II, III, etc., the number being written in red ink or blue chalk above the item. The particular papers to be printed in the special issue-copies should be indicated by the Roman numeral (I, II, etc.) by which that item has been headed in the correspondence file. All matter, including marginal remarks or references, to be printed should be written in ink and matter which should not be printed should be encircled. Initials and signatures that are not quite legible should be re-written distinctly.

(b) For rules regarding printing of notes, see the rules in G.O., No. 1320, Public, dated 30th November 1900.

(c) The number of copies and the details of distribution should be filled in by the Superintendent or referencee concerned.

(d) In the absence of special instructions to the Press to keep matter standing for a specified period, ordinary papers of 8 pages and under will be kept standing for one week, and larger papers for two weeks only. The type of notes and of all confidential papers is distributed immediately after striking.

(e) This slip, properly and completely filled in, should accompany every paper sent to Press; it will be returned by the Press when proofs are furnished; it should be sent to the Press when a call is made for revised proofs or when a corrected proof is sent for striking. When finally returned by Press it should be filed with the original order or letter.

INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of the Press, a paper has been marked urgent unnecessarily, he should send the Press slip to the Deputy Registrar with a remark to that effect.

(b) Unless a note to the contrary is made against the matter, pencil entries should not be printed. The Superintendent of the Press may bring to the notice of the Deputy Registrar any instance of incomplete or careless adding.

(c) Signature copies of letters to the Secretary of State or to the Government of India should be printed on hand-made paper.

(d) This slip should be returned by the Press to the Secretariat when proofs are furnished; it will be sent back to the Press when proofs are returned corrected and should be finally returned to the Secretariat when struck-off copies are supplied.

(e) The names of the Secretary and Members should be printed in full when they occur on the right hand side, but only the first time when they appear on the left side, the initials alone being printed later.

so send proof in triplicate. The
pers have been carefully edited.

Proof returned corrected. off and send number of copies as indicated.

has been carefully edited, (b) proof need
not be sent. Please print and supply
number of copies as indicated.

Type may be released after usual interval
at once.

Type may be released after usual interval.

.....Clerk.

.....Clerk.

.....Clerk.

.....Supt.

.....Supt.

.....Supt.

(b) Three copies of proof of all notes should be sent for approval, except when instructions are given to the contrary.

SPECIAL INSTRUCTIONS.

proof need not

be sent.

TO BE FILLED IN BY THE PRESS.

Diary.	Initials of Press Official.
Received in Press on.....	24/7/12
First proof furnished on.....	
Call for revised proof received on.....	
Revised proof furnished on.....	
Corrected proof received for striking on.....	
Final copies supplied on.....	1/8/13

Account of copies.	Complete copies.	Notes.	Issue copies.
Supplied to Secretariat for Record.....	48		
" " " Issue.....	298		
For Volumes.....	16		
For E. T.....			
Total ...	362		