EDUCATION 1950 DEPARTMENT

MS. SERIES.

Close

By

G.O. No. 1575 Edn.

DATED. 23. 5. 1950.

Sub:- UNIVERSITY - Madras - Annual

Report for the year 1949.

TELE { GRAMS : UNIVERSITY, MADRAS
PHONE : 86914.

F (N) 1

It is requested that all communications should be addressed to The Registrar, University of Madras, Triplicane P.O., Madras, and not to any person by name.

No. A.14584

UNIVERSITY OF MADRAS.

Enclosures.

UNIVERSITY BUILDINGS,
CHEPAUK, MADRAS.

FROM

THE REGISTRAR,
University of Madras.

12 APR 1950

ASSISTANT SECRETARY
15 APL 1950
7300
EDUCATION DEPARTMENT

TO

The Secretary to the Government of Madras,
Education Department, Fort, Madras.

Sir,

I have the honour to inform you that as required under section 20 of the Madras University Act, the Annual Report for the Calendar year 1949 was presented to the Senate at its annual meeting held on the 25th March 1950. I enclose, herewith, an extract of the proceedings of the Senate relating to the adoption of the report.

Six copies of the report are forwarded, herewith, the receipt of which may kindly be acknowledged.

Yours faithfully,

R. Ramachandra

REGISTRAR.

mks/
9

One copy kept behind. Other copies delivered separately in Section

(2)

(3)

3

Extract from the Minutes of the meeting
of the Senate held on 25th March 1950.

(i) BUSINESS BROUGHT FORWARD BY THE SYNDICATE:

2. The Syndicate presented in accordance with Section 20 of the Madras University Act, the Annual Report of the University for the calendar year 1949.

The Rev. Dr.A.J. BOYD moved:

That the Annual Report be adopted.

The Hon'ble Justice Janab Basheer Ahmed Sayeed seconded the motion.

After Sri K.S. Ramaswami Sastriyar, Sri B. Bheema Rao, Begum Sultan Mir Amiruddin, and Messrs. D. Hrishikesan Nambud K. Manjundiah, and P. Mahadevan, and The Rev. Dr. A.J. Boyd had spoken, the motion was put to the vote and carried.

KB

Education (

UNIVERSITY - Madras - Annual Report for the year

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C.No.7300/50.

From the Registrar, University of Madras, No.A.1454

12.4.1950

Order Ms. 1575 ---- Edn 23.5.

Recorded.

To

The Registrar,
Univy.of Madras.

The Exr.of L.F.Accts
(with enclosure)

The D.P.I. -do-

The D.G. -do-

2 spare copies.

Through

Section(para 69 of Report)

B.section (re. National Cadet Corps - p.p.45-47 of Report)

D.section -
Para 2(6) and (8) on p.2 of Report,

'R' on p.12 -do-
and para.37(1),

Edn F

Ms No. 7300 F/50-1 Edn

9/5/50

ASSISTANT SECRETARY
10 MAY 1950
HEALTH DEPT.

Note.

Health may see prior to circulation.

This should first be sent to the Secretary

ASI I/S.

The Dept is concerned Items (7) and (8) in para Report. May be pleased returned to Edn.

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10 MAY 1950

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(60)

GOVERNMENT OF MADRAS
Education Department
G.O.Ms.No.1575 Edn. dated 23-5-50.

University- Madras- Annual Report for the year 1949.

From the Registrar, University of Madras No.A.1454 dated :Read:

ORDER:

Recorded.

(By Order of His Excellency the Governor)

Rajaiah D. Paul,
Secretary to Government.

To the Registrar, University of Madras.
" " Examiner of Local Fund Accounts. (with enclosure)
" " Director of Public Instruction (with enclosure)
" " Accountant-General, Madras (with enclosure)

True copy:Forwarded:By Order

RP/23.5.

SUPERINTENDENT

THE

NINETY-THIRD ANNUAL REPORT

OF THE

University of Madras

1949

ASSISTANT SECRETARY
15 APL 1950
EDUCATION DEPARTMENT



MADRAS:
PRINTED AT ANANDA PRESS.

1950

THE

NINETY-THIRD ANNUAL REPORT

OF THE

University of Madras

1949

ASSISTANT SECRETARY
15 APL 1950
EDUCATION DEPARTMENT



MADRAS:
PRINTED AT ANANDA PRESS.

1950

ANNUAL REPORT 1949.

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D—Report on the work of Departments of the University.

UNIVERSITY OF MADRAS.

NINETY-THIRD ANNUAL REPORT, 1949.

January 1950.

I. INTRODUCTORY.

1. The Syndicate presents to the Senate, under Section 20 of the Madras University Act of 1923 as amended in 1929, the following report on the working and progress of the University during the year, 1949, the ninety-third year of its working. The report covers the period from January to December 1949.

2. The activities of the University continued during the year in all respects as in previous years. Mention may be made of the following as some of the noteworthy events of the year:—

(1) The recommendations of the Special Committee appointed by the Government to consider the report of the Senate and to suggest amendments to the Madras University Act were considered and the views of the University communicated to the Government.

(2) Appointment of a General Inspection Commission to report on the working of the several professional colleges in the University.

(3) Completion of the buildings of the Alagappa Chettiar College of Technology, Guindy.

(4) Visit of the Universities Commission appointed by the Government of India, Ministry of Education. The report of the Commission is under consideration.

(5) Holding of the Meeting of the Sixteenth Mathematical Society and of the Twelfth Meeting of the Political Science Association, under the auspices of the University.

(6) Opening of classes for the Diploma in Physical Education and recognition of the Y. M. C. A. College of Physical Education, Saidapet, Madras, as an Institution to conduct the Course.

(7) Institution of a Degree in Indian Medicine (B.I.M.) and the framing of Regulations for the course in the three systems of Indian Medicine—Ayurveda, Siddha and Unani.

(8) Revision of courses for the Degree in Bachelor of Pharmacy to be known in future as (B. Pharm.).

(9) Revision of the courses for the B. T. Degree Examination laying more emphasis on practical training, etc.

II. PERSONNEL.

3. **Chancellor**:—His Excellency Commodore Maharajah Raol Shri Sir Krishna Kumarsinhji Bhavsinhji, K.C.S.I., Maharajah of Bhavnagar, held the office of Chancellor during the year.

4. **Pro-Chancellor:**—The office of Pro-Chancellor was held by the Hon'ble Sri T. S. Avinashilingam Chettiyar till the 6th April 1949 when he ceased to be Minister in charge of Education in the Province. This

office was subsequently held by the Hon'ble Sri A. B. Shetty from the 6th April to 2nd June 1949 and by the Hon'ble Sri K. Madhava Menon from 2nd June 1949 onwards.

5. **Vice-Chancellor:**—Lt.-Col. Diwan Bahadur Sir A. Lakshmanaswami Mudaliar, B.A., M.D., LL.D., D.Sc., D.C.L. (Oxon), F.R.C.O.G., F.A.C.S., M.L.C., continued to be the Vice-Chancellor of the University. When he was out of India to attend the meetings of the World Health Conference at Rome and its Executive Committee at Geneva, Sri S. Govindarajulu Nayudu, B.A., B.L., LL.B., *Barrister-at-Law*, a member of the Syndicate, was appointed to officiate and he exercised the powers and performed the duties of the Vice-Chancellor, in an honorary capacity, according to the arrangement made by the Syndicate under Sec. 11 (2) of the University Act.

6. **Registrar:**—Sri R. Ravi Varma, M.A., continued in his appointment as Acting Registrar till the 11th November 1949. When the permanent Registrar, Mr. William McLean, O.B.E., M.A., B.L., *Chartered Secretary*, retired, the Syndicate, with the approval of the Senate, appointed Sri R. Ravi Varma as Registrar in the permanent vacancy, under the provisions in Statutes 1 and 2 of Chapter VIII of the Laws of the University.

III. UNIVERSITY AUTHORITIES.

(a) Constitution.

7. Vacancies on the Authorities—the Senate, the Syndicate, and the Academic Council—that occurred during the year, on account of efflux of time or by resignation or by termination of appointment or membership of the electorates, were filled by election or nomination, as the case might be.

15. Boards of Studies:—The annual meetings of the Boards of Studies in all languages and subjects, except those in Anthropology, Drawing and Painting, and Western Music, were held during the year.

(c) General.

16. The Syndicate reports with regret the death, during the year, of the following persons who were sometime members of one or more of the University Authorities:—

Dr. Sir K. Ramunni Menon (Vice-Chancellor of the University 1928–34).

Rao Bahadur G. A. Natesan.

Dr. T. Bhaskara Menon.

Sri P. Ramanathan.

Sri C. Lakshminarayanan.

Sri C. N. Muthuranga Mudaliar.

Sri T. Sundara Rao Nayudu.

Capt. Dr. S. Thambiah.

Rao Sahib W. Chakrapani Naidu.

Rao Sahib K. Kailasam Ayyar.

Khan Bahadur Muhd. Schamnad.

Sir Mahomad Bazlullah.

Rao Bahadur S. P. Rajamanicka Pandaram.

Rao Bahadur A. Doraiswami Mudaliar.

Mrs. Thangam Devadasan.

Sri S. Vasudevachariar.

Sri M. S. Sabhesan.

Dr. G. F. Andrews.

Suitable references were made at the meetings of the University authorities of which the above persons had been members and resolutions of condolence were passed.

IV. LEGISLATION.

(i) Statutes.

17. At the two ordinary meetings of the Senate, the following alterations in and additions to the Statutes were adopted :—

(1) Alterations in Statute 2 of Chapter VIII—University Departments, for addition of two new Departments in the University, *viz.* (i) Psychology (as a separate Department) and (ii) Constitutional and International Law.

(2) Alterations in Chapter XXII—Academic Robes—prescribing the academic robes for the newly instituted Degree of Bachelor of Commerce (Honours) and change in the academic robes for the Degree of Bachelor of Commerce.

The above alterations in and additions to the Statutes were, in accordance with Sec. 30 (3) of the Act, duly submitted to His Excellency the Chancellor and his assent was received.

(ii) Ordinances.

18. The following alterations in and additions to the Ordinances were made by the Syndicate during the year and submitted to His Excellency the Chancellor and the Senate as required under Section 32 (2) of the Act :—

(1) Alterations in Ordinance 2 of Chapter XIV—Faculties, by the addition of the Department of 'Psychology'.

(2) Alteration in Ordinance 1 of Chapter XV—Boards of Studies, by the addition of the words "and Psychology" after Philosophy.

(3) Addition of a Proviso to Ordinance 3 of Chapter XV—Boards of Studies, enabling the Syndicate to appoint to the Boards of Studies any person in his official capacity as a member of the Board.

(4) Alterations to Ordinance 1 of Chapter XXXIV—Admission to University Courses of Study, by making provision for the percentage of marks to be obtained in the several subjects of the Secondary School Leaving Certificate holders under the re-organised scheme coming into effect from the examinations of March 1951.

(5) Addition to Ordinance 5 of Chapter XXXVII—Fees, prescribing the fees for undergoing the M.Sc. course (by examination) conducted in the University.

(6) Revision of the Ordinance in Chapter XXXVIII—*re* the Dates for payment of fees, submission of applications for examination with treasury receipts, submission of course certificates, commencement of examinations and dates of publication of results of the examinations.

(iii) Regulations.

19. The following alterations in or additions to the Regulations were adopted by the Academic Council during the year and they were placed before the Senate, as required under Section 32 of the Act.

(1) Alteration in Regulation 9 of Chapter LII—D.Sc. Degree, providing for Graduates in Engineering to proceed to the D.Sc. Degree without preliminary Research Degree under the same provisions as are admissible to Graduates in other professional Faculties.

(2) Addition of a note to Regulation 45 of Chapter LVI—Degree of Bachelor of Medicine and Surgery, regarding the period of operation of the Regulation.

(3) Alterations to Regulation 9 of Chapter XL, Vol. II—governing Admission to Examinations and Exemption from Annual or Term Certificates, extending to full-time Librarians in recognised schools and in constituent or affiliated Colleges, the concessions available to *bona-fide* teachers for purposes of appearing for certain examinations of the University as private candidates.

(4) Amendment to the Regulations governing the M.A. Degree Examination, providing for the admission of B.O.L. (Honours) Degree holders to the M.A. Degree without further examination, as in the case of B.A. (Honours) and B.Sc. (Honours) Degree holders.

(5) Alterations to the Regulations in Chapter L—B. Sc. (Honours) Degree Examination—relating to courses of study, scheme of examination etc., for Br. I-B—Statistics.

(6) Revision of the Regulations governing the Degree in Pharmacy (B. Pharm.)—[formerly known as B.Sc. (Pharm.)] consequent on making the course one of three years' duration.

(7) Alterations to Regulation—1(i) of Chapter LXXII—B.Sc. (Ag.) Degree Examination, enabling students who have taken Geology as one of the optional subjects for the Intermediate Examination, to obtain admission to the B.Sc. (Ag.) Degree Course.

(8) Regulations governing the newly instituted Degree of Bachelor of Indian Medicine (B.I.M).

V. CONSTITUENT AND AFFILIATED INSTITUTIONS.

20. During the year, three new colleges, two of them being second-grade colleges, were opened after obtaining provisional affiliation, and one of the existing colleges opened classes for the B.Com. Degree course.

21. The number of constituent, affiliated and oriental colleges at the end of the year (31st December 1949) distributed according to the several Faculties was as follows:—

Faculty.	*Constituent Colleges.*	*Affiliated Colleges.*
Arts and Science—		
Second Grade Colleges (Intermediate course)		12
First Grade Colleges (Intermediate, B.A. and/or B.Sc. Courses) ...	3	34
First Grade Honours Colleges (Intermediate, B.A. and/or B.Sc. Pass and Honours Courses). ...	6	3
Law—		
F.L. and B.L.	1	...
Medicine—		
M.B.B.S.		1
M.B.B.S., M.D., M.S. ...	1	...

Faculty.	*Constituent Colleges.*	*Affiliated Colleges.*
M.B.B.S., B.S.Sc., B.Sc. (Pharmacy), M.D., M.S. and Diploma courses.	1	...
B.Sc. (Nursing)		1
Engineering—		
F.E. and B.E.	1	2
Teaching—		
B.T. and M.Ed.	4	...
B.T.		1
Agriculture—		
B.Sc. (Ag.)		1
Veterinary Science—		
B.V.Sc.	1	...
Technology—		
B.Sc. (Tech.)	1	...
Commerce—		
B.Com. (Pass) and Hons. ...	2	...
B.Com. (Pass) only ...	1	12
Oriental Learning—		
B.O.L. (Hons.)	1	...

Oriental Colleges.

Oriental Titles—			
Siromani and Vidvan ...	9	Munshi-i-Fazil and/or	6
Siromani only ...	6	Afzal-ul-Ulama or	
Vidvan only ...	4	Adib-i-Fazil	
Sangita Siromani ...	1		

The Y. M. C. A. College of Physical Education, Saidapet, was granted recognition to conduct classes and prepare students for the Diploma in Physical Education.

22. The following institutions which had applied for recognition or affiliation, under the Laws of the University on or before the 31st October 1948, were granted recognition, affiliation or approval as the case might be, in the courses mentioned against each, with effect from the academic year 1949–50 (*Vide* **Appendix A**).

23. The Director of Public Instruction, Cochin, communicated in June 1949 the decision of the Government of Cochin to abolish the Teacher's Training College at Trichur with effect from July 1949. The College ceased to function from this academic year (1949–50).

24. Consequent on the merger of the two States of Cochin and Travancore as a United State from July 1949, the Director of Public Instruction, Cochin, reported that the two Government Colleges in Cochin State would be affiliated to the Travancore University from 1949–50 and sought permission of the Madras University to continue, for the benefit of the students who had commenced the course of study in the previous year, to function as affiliated Colleges of this University till the completion of the course in 1949–50 for Senior Class students in the Intermediate, B.A. and B.Sc. courses, and till 1950–51 for the Honours students. This request was granted by the Syndicate. The Maharaja's College, Ernakulam and the Government College, Chittur (Cochin) are conducting the Junior Classes under the Travancore University Regulations from the beginning of this academic year.

25. The authorities of St. Joseph's College, Bangalore, applied for permission for the continuance of the affiliation of the college with the Madras University for

the conduct of Senior Intermediate Classes and the Junior and Senior Classes for B.A. and B.Sc. courses, as they proposed to get the College affiliated to the Mysore University gradually, year after year. This permission was granted and during this year, (1949–50), the Junior Intermediate Class is conducted under the jurisdiction of the Mysore University and the other classes under the Madras University Regulations.

26. The Nizam College, Hyderabad, ceased to be an affiliated college of this University from the end of the academic year 1948–49.

27. Applications for further or fresh recognition, affiliation or approval, as the case might be, with a view to opening classes from the academic year 1950–51, have been received before the 31st October 1949, from forty institutions. The names of the colleges and courses proposed to be opened are printed in **Appendix B**. The applications are under consideration and further information wherever required has been called for.

It will be noticed that besides 25 existing colleges 3 new institutions have sought permission to open courses in Arts and Sciences. Nine institutions have applied for affiliation in the B.T. Degree course.

28. **Honours Course in Geography:**—Besides Vivekananda College and Queen Mary's College, Presidency College, Madras also got recognised during the year in Honours Course in Geography on the basis of Inter-Collegiate-University co-operation.

29. **Honours Course in Commerce:**—This course has also been arranged on an Inter-Collegiate University co-operation basis and the Deputy Registrar of Co-operative Societies deputed by the Government for the

teaching of the special subject "Co-operation" is conducting the classes in the University Buildings.

30. Admission to Colleges:—Permission was granted for increased admissions wherever possible and wherever facilities existed. The number of students admitted in July 1949 in the Junior Intermediate classes was 11,251 and the corresponding numbers during the previous 5 years from 1944 were 8,500, 9,080, 10,750, 11,860, 12,250.

During the academic year 1949-50 the total number of students undergoing courses in Arts and Science is about 32,475 including 1,230 students undergoing Commerce Course. The number undergoing professional courses is as follows :—Law 659 ; Medicine 1,769 ; Engineering 1,121 ; Agriculture 235 ; Veterinary Science 357 ; Teaching 393 ; (B. T. 381; M. Ed. 12); Technology 73; Nursing 38; Oriental Titles 860 and Diploma classes (conducted in the University) 229.

31. Admission of Women Students :—The rush for admission of women students continued as usual. Permission was granted for admission of increased number of women students both in women's colleges and in men's colleges. During the year under report the number of women students studying in women's colleges (Arts and Science) was about 3,500 and in co-educational institutions 1,330.

32. Hostels :—Increased provision for hostel accommodation has been made in several colleges. Out of a total number of about 37,875 students, 15,400 are reported to be residing in college hostels or approved hostels and about 2,300 in lodgings approved by college authorities and the rest with their parents or guardians.

33. General Inspection of Professional Colleges:—Early in the year the Syndicate considered the action to be taken in regard to a general inspection of professional

colleges in the University and appointed the following Inspection Commissions :—

Law College :

The Vice-Chancellor.
The Hon'ble Chief Justice P. V. Rajamannar, Madras.
Sir S. Varadachariar, New Delhi
Sir Ivor Jennings, K. C., Ceylon.
Sri C. M. Acharya, Cuttack.

Medical Colleges :

The Vice-Chancellor.
Dr. V. R. Khanolkar, Bombay.
Dr. S. R. Joglekar, Bombay.
Dr. L. M. Banerji, Calcutta.
Dr. (Miss) S. Chaudhri, New Delhi.

Engineering Colleges :

The Vice-Chancellor.
Mr. C. E. Preston, Hyderabad.
Mr. D. L. Deshpande, Bilaspur.
Mr. K. D. Joshi, Bangalore.

Teachers' Colleges :

The Vice-Chancellor.
Sri A. N. Tampi, Trivandrum.
Sri T. K. Narayana Menon, Baroda.
Sri R. Kasturi Raj Chetty, Mysore.
Mrs. K. E. Verghese, Ajmere.

Veterinary College :

The Vice-Chancellor.
Mr. Mahamood Mahmoodulla, Hyderabad.
Mr. Lakshmi Sahai, Bombay.

Agricultural College :

The Vice-Chancellor.

Sir T. S. Venkataraman, Madras.

Dr. B. N. Uppal, Poona.

Sri C. Ramaswami Naidu, Madras.

The several commissions inspected the various professional colleges from October to December 1949 and their reports are awaited.

34. **University Commission**—The University Education Commission appointed by the Government of India for the purpose of enquiring into and reporting on the condition and prospects of University Education and advanced research in India and for recommending a constructive policy in relation to the problems they present and the needs of the country, and for making recommendations after enquiring into the structure and working of all the Universities of India and institutions for higher education and research, visited Madras for a second time in March 1949. The Commission visited some more Professional Colleges in the City and interviewed persons. The Commission completed its visits to Universities by the end of April and its report was submitted to the Government of India in October 1949. The Government have called for the views of the Universities on the recommendations of the Commission. The Inter-University Board has also called for the proposals of this University with a note on the report. The Syndicate has appointed a Committee to consider the recommendations and report thereon.

35. The annual returns from colleges regarding administration, courses of studies, teaching staff, etc., were as usual received and considered by the Syndicate and wherever necessary suitable steps were taken for rectification of any defects noticed.

36. **Revision of salaries of teaching staff of colleges**:—The attention of Principals of all Arts and Science Colleges was drawn to the recommendations made by the General Inspection Commission as approved by the Senate, in regard to scales of salaries to teaching staff of Colleges and detailed information was called for as to how far the Managements had given effect to the scales (of pay) recommended by the Senate. The Syndicate considered the replies received from colleges and resolved that Managements be requested to take immediate action to adopt the scales of salary recommended by the Senate. In the matter of fixing the pay of the staff in the revised scale, the Syndicate formulated a scheme of minimum weightage to be followed by Managements in cases where the weightage given for service to the senior members was not uniform. While several colleges have given effect to the revision of salaries as recommended by the Syndicate, the statements of salaries and weightage relating to other colleges are under consideration by the Syndicate.

37. **Diploma and Certificate Courses.**—(1) As already stated, the Diploma Course in Physical Education was started in the Y.M.C.A. College of Physical Education, Saidapet in July 1949. This is a post-graduate course and 14 students have joined.

The other Diploma Courses conducted in the University Departments were all continued, with the exception of the Diploma Course in Geography. The following are the number of students attending the several courses:—

Diploma in Economics ...	1st year	3
	2nd year	12
Diploma in Statistics ...	1st year	41
	2nd year	31
Diploma in Politics and Public Administration ...	1st year	29
	2nd year	17 + 5*

*(one year course)

Diploma in Indian Music	...	1st year	17
		2nd year	17
Diploma in Journalism	...		11
Diploma in Librarianship	...		14
Diploma in Anthropology	...		4
Diploma in Modern European Languages—			
French	...		4
German	...		5
Certificate Course in—			
French	...		20
German	...		32
Anthropology	...		4

In view of the opening of Honours Courses in Geography, the Syndicate resolved to suspend the Diploma Course in Geography from July 1949.

(2) With a view to meeting the paucity of qualified Librarians in Colleges and other educational Institutions, the Syndicate resolved to revive and conduct the Certificate Course in Librarianship, in addition to the Diploma Course. Accordingly colleges were circularised and 21 persons were selected for the course conducted from May to July 1949. In future the course will be conducted from April to June. Admission to the course shall be open to candidates who have passed the Intermediate Examination in Arts and Science of this University or an Examination accepted as equivalent thereto and to *bona-fide* Librarians of five years standing, who have passed the Matriculation Examination or who are holders of completed School Leaving Certificates declared eligible for University courses of study.

VI. COURSES OF STUDY AND EXAMINATIONS.

38. Admission to University Courses:—A pass in the Matriculation Examination of the University or of any other University accepted as equivalent thereto or eligibility on the results of the S S.L.C. or the E. H. S. Examination of the Province or the Entrance Test conducted by any other recognised University or Board accepted by the Syndicate, continued to be the qualifying test for admission to the Intermediate classes.

39. S. S. L. C. and E. H. S. Examinations:—The rules for declaration of eligibility to University Courses of Study on the results of these examinations remained the same as for last year.

The number of candidates who appeared for the S. S. L. C. Examination in 1949 and who were declared eligible were as follows :—

	Madras	*Cochin*	*Total*
Number appeared taking subjects qualifying for eligibility for a University Course of Study	36,164	6,105	42,269
Number declared eligible ...	15,681	4,023	19,704

Of these, 150 were below the age limit fixed for admission to University Courses.

40. Supplemental S. S. L. C. Examinations of Madras and Cochin were held in October 1949 and the number of candidates appeared and declared eligible were as follows :—

	Madras	*Cochin*	*Total*
Number appeared taking subjects required for eligibility.	8,051	413	8,464
Number declared eligible ...	2,494	256	2,750

The number of candidates declared eligible for a University Course of Study on the results of the European High School Examination was 336 in Madras and 120 in Bangalore.

41. Examinations:—The examinations were as usual held at the several centres notified.

The following statement gives information in brief of the number of candidates that appeared for and passed the examinations and the number that qualified for the Degrees, Titles and Diplomas of the University during the year (1949).

Examination.	No. Examined.		No. Passed.		No. qualified for Degree or Title or Diploma.	
	March/July.	Sep./Dec.	March/July.	Sept./Dec.	March	Sept.
Matriculation ...	1,562	...	310	...	...	...
Intermediate ...	12,056	5,904	5,742	1,845	...	...
B.A.—Part I ...	2,832	1,201	1,716	451		
B.A.—Part II ...	2,583	467	2,198	382	1,563	652
B.A.—Part III ...	2,956	831	2,030	355		
B.Sc.—Part I ...	1,521	445	1,113	332		
B.Sc.—Part II ...	1,264	328	917	145	866	192
B.A. (Hons.)—Preliminary ...	394	92	283	47		
B.A. (Hons.)—Final ...	258	...	226	...	226	...
M.A. ...	117	...	89	...	88	...
B.Sc. (Hons.)—Part I ...	97	12	86	7	...	...
B.Sc. (Hons.)—Part II (Main) ...	100	...	99	...	99	...
Do. do. (Subsy.).	64	2	63	2	...	...
B.T. ...	473	74	396	56	396	56
M.Ed. ...	11	...	8	...	8	...
F.L. ...	462	136	241	45	...	...
B.L. ...	354	149	172	76	172	76
M.L. ...	7	...	...	...	...	...
Pre-Registration ...	*134	†31	*125	†30	...	...
First M.B. & B.S.—Part I ...	*193	†242	*172	†176	...	...
Do. —Part II ...	*281	†208	*152	†110	...	...
Second M.B. & B.S.—Part I ...	*151	†166	*107	†135	...	...
Do. —Part II ...	*212	†174	*132	†122	...	...
Final M.B. & B.S.—Part I ...	*141	†166	*107	†129	...	...
Do. —Part II ...	*240	†228	*108	†112	*108	†112

*December 1948 †April 1949.

Examination.	No. Examined.		No. Passed.		No. qualified for Degree or Title or Diploma.	
	March/July.	Sep./Dec.	March/July.	Sept./Dec.	March	Sept.
M.D. ...	34	...	6	...	6	...
M.S. ...	14	...	1	...	1	...
M.Sc. ...	4	...	3	...	3	...
D.G.O. ...	10	11	6	11	6	11
D.O. ...	6	8	4	8	4	8
D.L.O.—Part I ...	4	5	2	3	...	...
D.L.O.—Part II ...	4	4	2	3	2	3
T.D.D. ...	8	...	8	...	8	...
B.S.Sc.—Part I ...	9	4	7	4	...	...
B.S.Sc.—Part II ...	6	2	6	2	6	2
B.Sc. (Pharmacy)—Prely. ...	11	4	7	2	...	...
B.Sc. (Pharmacy)—Final ...	6	16	3	3	3	3
Inter. Science in Nursing ...	14	3	11	2	...	...
B.Sc. (Tech)—Part I ...	47	...	30	...	...	...
B.Sc. (Tech.)—Part II ...	43	...	39	...	39	...
F.E.—Part I/B.E. I ...	7/13	3/3	5/11	2/2	...	...
Do. Part II/B.E. II ...	33/8	12/6	28/8	10/4	8	4
First B.E/B.E. III ...	125/113	288/ 264	112/ 105	228/ 235	...	...
Second B E./B.E. Final ...	74/—	267/ 162	72/—	209/ 147	...	147
B.E. (Old Regulations) ...	13	3	11	1	11	1
B.Sc. (Ag.) First Examination.	101	...	87	...	...	...
Do. Second Examination.	94	...	79	...	104	...
Do. Final Examination...	106	...	104	...		
B.V.Sc. (Preliminary.)	33	97	28	34	...	...
Do. (Intermediate Part I) ...	43	109	25	40	...	...
Do. (Do. Part II) ...	6	48	2	23	...	...
Do. (Final) ...	6	24	3	16	3	16
B. Com.—Part I ...	601	185	421	124		
Do. Part II ...	468	113	358	83	282	124
Do. Part III ...	531	235	316	178		
B.Com. (Hons.)—Part I ...	23	14	9	10	...	...
B.O.L.—Part I ...	39	22	20	16	10	...
Do. Part II ...	36	13	28	7		
B.O.L. (Hons.)—Part I ...	11	6	4	2	...	...
B.O.L. (Hons.)—Part II ...	7	...	7	...	7	...
Oriental Titles—						
Preliminary ...	489	...	366	...	...	...
Final ...	316	...	264	...	264	...
Entrance Test to Oriental Title Course ...	613	...	343	...	...	...
Entrance Test to Intermediate—Group D Course ...	149	...	55	...	...	...
Sangita Siromani—Preliminary.	4	...	3	...	...	...
Do. —Final ...	2	...	2	...	2	...

Examination.	No. Examined.		No. Passed.		No. qualified for Degree or Title or Diploma.	
	March/July.	Sep./Dec.	March/July.	Sept./Dec.	March.	Sept.
Certificate in Modern European Languages—French ...	7	...	6	...		...
German ...	16	...	14	...		...
Diploma in Modern European Languages—French ...	3	...	3	...	3	...
—German ...	3	...	3	...	3	...
Diploma in Economics ...	1	...	1	...	1	...
Diploma in Geography ...	6	...	6	...	6	...
Diploma in Indian Music ...	10	...	9	...	9	...
Diploma in Politics and Public Administration ...	9	...	7	...	7	...
Diploma in Librarianship ...	3	...	3	...	3	...
Diploma in Statistics ...	19	...	16	...	16	...
Diploma in Journalism ...	8	3	...	2	...	2
Certificate in Anthropology ...	1	...	1	...	...	...
Diploma in Anthropology ...	3	...	3	...	3	...
Total ...	32,836	12,790	19,675	5,968	4,366	1,409

42. Research Degrees:—The number of persons who submitted theses for the Research Degrees during the year 1948-49 was as follows:—6 for M.Litt.; 11 for Ph.D.; 19 for M.Sc.; 2 for D. Litt. and 1 for D. Sc. The Syndicate, on the reports of the Boards of Examiners, declared qualified the following number of candidates:—4 for M. Litt.; 8 for Ph.D. (one candidate who supplicated for the D. Sc. Degree was awarded the Ph. D. Degree and the report of the Board of Examiners on the thesis of one candidate for the Ph. D. Degree is awaited), and 16 for M. Sc. (*vide* **Appendix C**).

During the year 23 candidates for M. Litt.; 57 for M.Sc.; and 32 for Ph. D. were registered.

43. Malpractices at Examinations:—The Syndicate reports with regret that thirty-five candidates were reported to have had recourse to unfair means while answering their papers at the examinations held in 1949. After obtaining full particulars from the Chief Superintendents of Examination Centres or from the Examiners concerned and explanations from the candidates, the Syndicate imposed various punishments cancelling their appearances at the examinations and prohibiting some of them from appearing for any University examination for varying periods not exceeding three years.

44. Sanskrit Entrance Test:—As in previous years the University published the results of the Sanskrit Entrance Examination in respect of the students that appeared for the Government examination from the University area and issued the eligible list. The number of students that were declared eligible was 72 for Siromani course and 36 for Vidvan course.

45. Exemption from Attendance Certificates:—As usual, applications for exemption from the production of attendance certificates for the prescribed course for the various University examinations were received and disposed of according to rules. The following is the classified list of exemptions granted:—

	College.	*Private candidates.*	*Bona-fide Teachers.*
Matriculation ...	...	1,211	...
Intermediate ...	185	...	199
B.A. (Pass) ...	49	...	65
B.A. (Hons.) ...	2	...	...
B.Sc. (Pass) ...	30	...	...
B.Sc. (Hons.) ...	9	...	...
B.O.L. (Pass) ...	...	...	13
B.O.L. (Hons.) ...	...	...	2
M.A. ...	...	...	42
M.D. ...	1	...	...
Diploma in Ophthalmology ...	4	...	...

	College.	*Private Candidates.*	*Bona-fide Teachers.*
Diploma in Gynaecology and Obstetrics	3	...	...
Diploma in Oto-Rhino-Laryngology ...	1		
Diploma in Tuberculosis ...	1	...	...
F.L. ...	3	...	...
B.L. ...	2	...	...
B.T. ...	2	...	...
B.E. ...	6	...	...
B.Sc. (Ag.) ...	16	...	...
B.Com. ...	5	...	...
B.Sc. (Tech.) ...	2	...	...
Oriental Titles ...	...	305	128
Entrance Test to Oriental Titles and Intermediate —Group D. ...	...	503	...
Certificate in German ...	1	...	...
Diploma in Geography ...	1	...	...

The cases shown under the column 'College' comprise students who were granted exemption owing to their failure to keep the necessary percentage of the attendance prescribed by the institutions of which they were students or who were exempted from regular college instruction in the languages in which the colleges have not been affiliated or recognised.

46. Recogintion of Examinations of other Bodies and Universities and Concession to Refugee Students—1,177 applications for recognition of examinations of other Bodies and Universities for purposes of continuing higher studies in this University were granted during the year and two students were permitted to undergo courses of studies and apply for examinations of this University under the concessions for refugee students.

47. Reorganisation of Secondary Education:—The syllabuses for the several subjects under the reorganised scheme for the Secondary School Course were received during the year and the Syndicate has prescribed the eligibility rules, *i.e.* the percentage of marks to be obtained by a candidate who completes the certificate to be eligible for admission to a University course of study under the several categories.

48. Revision of the dates of commencement of examinations, etc.:—The Syndicate considered the question of changing the date of commencement of the Intermediate and other examinations in September, consequent on the discontinuance of the concurrent courses and ante-dating the last date for payment of fees and for receipt of applications for the several Examinations and after obtaining the views of the Principals of colleges on the proposal, has revised the laws.

By the changes effected the dates for receipt of applications for registration were advanced by about a week or fortnight in the case of Intermediate, B.A. and B.Sc. Degree Examinations and in certain cases were shifted to later dates in January on account of Pongal holidays. It was also resolved that the September examinations in Arts and Science should commence by the middle of September.

49. Reorganisation of Commercial Education:—The Special Committee that was appointed to consider the changes in Commercial Education in the University submitted its report in October 1949 and this was considered by the Board of Studies. The Board has recommended the introduction of a special course in Intermediate and a general revision in the existing scheme of studies to make it more practical and useful.

50. Revision of B.T. Course:—In view of the revision of the Secondary Education Course and with a view to giving more emphasis to the practical training in the course for the B.T. Degree, the authorities of the University appointed a Special Committee to consider the question of revising the course. The Committee and the Board of Studies in Teaching have recommended amendments to the B.T. Course, on the following lines :—

	Hours per annum. Lectures.	*Library, Tutorial and Group Work.*	*Total.*
A. Theory of Education and School Organisation ..	50	50	100
B. Educational Psychology and Sociology ...	50	50	100
C. Methods of Teaching and Learning—General ...	50	40	90
D. Methods of Teaching and Learning—Special (*Two Subjects) ...	50 (2 × 25)	60 (2 × 30)	110
E. Health Education, Citizenship Training and Physical Education ...	25	25	50
			450
F. Practical Training :—			
i. Teaching Practice (including Practice Lessons, Observation and School Visits)		160	...

*Where a College provides for students to take a third Special Subject, the time-table will be suitably modified.

	Hours per annum. Lectures.	*Library, Tutorial and Group Work.*	*Total.*
ii. Practical working and maintenance of Audio Visual Aids, Preparation and maintenance of other Apparatus		15	...
iii. Measurement and Diagnosis (Examining, Testing, Recording, Evaluating)		25	...
iv. Practical aspects of Health Education, Citizenship Training and Physical Education		50	...
v. Arts and Crafts, Basic Crafts, Hobbies or Home Science for Women		50	300
			750

The Board has also stated that its proposals regarding Practical Training cannot be effective unless full co-operation was available in Forms I to V of neighbouring High Schools and suggested that the Director of Public Instruction be requested to give all possible assistance in this matter.

Recommendations were also made for the special training courses for teachers in Technical subjects and in Arts and Crafts.

The recommendations were accepted by the Academic Council at its meeting in September 1949 and the revised Regulations for the course will come into effect from the academic year 1950–51.

51. Secondary Education Board—The term of the Board appointed in 1946 expired in September 1949 and it was reconstituted. The Syndicate nominated the following persons as the representatives of the University :—

Sri S. Govindarajulu Naidu.
The Rev. Dr. A. J. Boyd.
Sri Alexander Gnanamuthu.
Sri A. Ramanatha Pillai.
Sri V. S. Gopalakrishna Ayyar and
Sri A. M. Kanniappa Mudaliar.

VII. CONVOCATIONS.

52. Three Convocations for conferring Degrees on Graduates were held during the year, on the 17th February, and 19th and 20th August 1949. His Excellency Maharajah Shri Krishna Kumarsinhji Bavsinhji, Maharajah of Bhavnagar, K.C.S.I., Governor of Madras and Chancellor of the University presided over the Convocation held on the 19th August 1949. At the Convocations held on the 17th February and 20th August 1949 the Vice-Chancellor presided. Sir Arcot Ramaswami Mudaliyar, K.C.S.I., B.A., B.L., D.C.L. (Oxon), Dewan of Mysore, delivered the Convocation Address on the 19th August 1949.

The number of persons that took their degrees at the Convocations is given below:—

		Men	*Women*	*Total*
B.A.	...	1,480	343	1,823
B.A. (Hons.)	...	171	41	212
B.Sc.	...	776	101	877

		Men	*Women*	*Total*
B.Sc. (Hons.)	...	69	20	89
M.A.	...	183	41	224
B.L.	...	220	4	224
M.L.	...	1	...	1
M.B.B.S.	...	140	68	208
M.D.	...	3	2	5
M.S.	...	1	...	1
B.Sc. (Pharm.)	...	8	...	8
B.S.Sc.	...	1	...	1
B E.	...	173	1	174
B.T. & L.T.	...	204	185	389
M.Ed.	...	9	2	11
B.Sc. (Ag.)	...	68	...	68
B.V.Sc.	...	9	...	9
B.Sc. (Tech.)	...	23	...	23
B.Com.	...	291	2	293
B.O.L.	...	22	5	27
B.O.L. (Hons.)	...	8	1	9
M.O.L.	...	3	...	3
Ph.D.	...	9	...	9
M.Litt.	...	2	3	5
M.Sc.	...	12	...	12
	Total	3,886	819	4,705

At a special meeting of the Senate held on the 18th November 1949 academic Titles and Diplomas were awarded to 495 candidates.

VIII. TEACHERS AND RESEARCH DEPARTMENTS.

53. According to the revised scheme of the Departments of the University approved by the authorities, the undermentioned teachers were promoted to the new

posts of Professors and Readers created, with effect from 1st April 1948.

Dr. C. Kunhan Raja, Reader in Sanskrit as Professor;

Dr. C. Achyuta Menon, Senior Lecturer in Malayalam as Reader;

Dr. R. Vaidyanathaswami, Reader in Mathematics as Professor;

Dr. George Kuriyan, Senior Lecturer in Geography as Reader;

Dr. G. D. Boaz, Senior Lecturer in Psychology as Reader;

Dr. V. S. Jayaraman, Senior Lecturer in Alagappa Chettiar College of Technology as Reader;

Sri A. P. Madhavan Nayar, Senior Lecturer in Alagappa Chettiar College of Technology as Reader;

Sri R. P. Sethu Pillai, Reader in Tamil as the Rev. Dr. Lazarus Professor of Tamil; with effect from the 21st November 1948.

The pay of the Senior Lecturers, Junior Lecturers, etc., was refixed in the new scales of pay approved by the Senate.

54. Dr. R. Vaidyanathaswami, who retired on the 24th October 1949, on attaining the age of 55, was re-appointed Professor for a period of two years, on short term contract, under Law 9 of Chapter IX of the Laws of the University. Dr. George Kuriyan, Reader in Geography was promoted Professor in the above vacancy and Dr. T. M. P. Mahadevan, Senior Lecturer in Philosophy was promoted as Reader.

55. The undermentioned teachers were confirmed during the year:—

Dr. R. Balakrishna as Professor of Economics;

Sri Madura S. Subramanya Ayyar as Violin Assistant.

Dr. C. P. Gnanamuthu Director, University Zoology Laboratory, in the grade of Reader, was promoted Professor.

Dr. M. A. Govinda Rau, Professor of Chemical Technology, and Acting Director, Alagappa Chettiar College of Technology was confirmed as Director of the College.

56. The following appointments were made during the year:—

Sri P. Subraya Sarma, B.Sc. (Hons.), M.Sc., Ph.D., as Director (Reader), Biochemistry Laboratory;

Dr. U. R. Ehrenfels, as Lecturer in Anthropology for two years;

Mr. Muhammad Yousuf Kokan, M.A., as Junior Lecturer in Urdu;

Sri M. A. Dorairangaswami, M.O.L., as Senior Lecturer in Tamil;

Sri G. S. Ladda, B.Sc. B.Sc., (Tech.), Ph.D. (Purdue) as Reader in Chemical Engineering;

Sri N. Venkata Rao, M.A., as Senior Lecturer in Telugu;

Mr. Rafiudin Ahmad Quraishi, B.Sc., B.Sc. (Tech.) and

Sri S. Krishnamurti, B.Sc. (Tech.) as Junior Lecturers in Spinning and Weaving;

Sri K. Ramakrishna, M.Sc., as Research Assistant in Botany;

Sri Mathew C. Elanjikal, B.Sc., B.Sc. (Tech.) as Assistant in Leather Technology up to June 1950;

Miss E. Tellis, M.A., as Lecturer in French for a period of one year;

Dr. M. Venkataraman as temporary Lecturer in Mathematics for a period of one year.

57. The undermentioned teachers retired or resigned during the year:—

Dr. B. B. Dey, Acting Director, Biochemistry Laboratory;

Sri L. A. Krishna Ayyar, Lecturer in Anthropology;

Dr. M. Varadarajan, Lecturer in Tamil;

Sri K. Ramakrishnayya, Lecturer in Telugu;

Janab Mahammad Hussain Mahvi, Junior Lecturer in Urdu;

Janab Muhammad Ibrahim, Demonstrator, Alagappa Chettiar College of Technology.

58. The Syndicate has had under consideration the question of the staff required for the conduct of the B.Sc. (Tech.) Degree course at the Alagappa Chettiyar College, and after considering the proposals of the Special Committee appointed for the purpose decided on the additional staff required for the College. Applications were accordingly invited for the new posts. Dr. G. S. Ladda has been appointed Reader in Chemical Engineering. The appointment to the post of Reader in Textile Technology was deferred for want of suitable applicants.

Two research scholarships each of Rs. 100/- per mensem have also been provided.

59. Applications were called for the two posts of Professor/Reader in International and Constitutional Law, for the newly instituted Department of Legal Studies. After considering the report of the selection committee, the Syndicate resolved not to make any appointment for the present.

60. As mentioned in last year's report, the Board of Studies in English recommended the establishment of a Department of English with a Reader and Lecturer, and the institution of a Diploma Course in English. The recommendation of the Board is being placed before the next meeting of the Academic Council.

61. Dr. G. D. Boaz, Reader in Psychology was awarded a Travel Fellowship by the United Nations for observing Child Welfare and Guidance and visiting Psychological Clinics in the U.S.A. He returned in December after a period of five months. During his absence, Dr. (Miss) J. F. Forrester of St. Christopher's Training College gave the lectures in Psychology for the M.Ed. Classes.

62. On the request of the Director of Public Instruction, Madras, the teachers of the Sanskrit, Telugu and Kannada Departments were permitted to take up the work of editing certain rare manuscripts of the Oriental Manuscripts Library proposed to be published by the Government of Madras without prejudice to the work of the Departments.

63. Other details of the work of the Departments are given in **Appendix D.**

IX. GENERAL AND OTHER MATTERS OF ACADEMIC IMPORTANCE.

64. **The Vice-chancellor** was away out of India for about three weeks in February and six weeks in June—July as representative of the Government of India in connection with the meetings of the World Health Organisation. Sri S. Govindarajulu Nayudu acted as the Vice-Chancellor in an honorary capacity during these periods.

The Syndicate has with great pleasure noted the compliment paid to Dr. Sir A. L. Mudaliar by the Organisation by electing him as Chairman of the Executive

Committee for the year 1949. The Senate at its meeting held on the 18th November 1949 adopted a resolution congratulating the Vice-Chancellor.

65. Registrar:—Mr. William McLean, who has been on leave from 11th July 1947 retired on 11th November 1949, on the completion of twenty-five years of service as Registrar. The Syndicate has adopted a resolution in appreciation of his valuable services as Registrar for nearly twenty-five years and conveying to him its good wishes.

66. Grants from the Provincial Government:—Consequent on the creation of the posts of an additional Professor and Reader in the Oriental Research Section of the University, the Government of Madras was approached for a suitable grant. The Government in their G. O. Ms. 1035 Edn. dated the 7th April 1949 was pleased to sanction an annual grant of Rs. 8,700/- from 1949–50 for the purpose.

67. On the 25th November the Senate referred to the Syndicate a resolution suggesting the institution of a Department of Hindi and to address the Government to provide adequate funds. The Government was accordingly addressed for a block grant for the purpose. A reply has been received from the Government to the effect that the proposal for a grant for the starting of the Department of Hindi would be considered as a Part II Scheme for 1950–51. Further action will be taken on receipt of information from Government.

68. The Government have again been addressed for enhancing the block grant to the University for the institution/expansion of the undermentioned departments of study.

New Departments.	*Expansion of existing Departments.*
Legal Studies	Statistics
Applied Physics	Chemistry
Geology	Botany
	Zoology

An application has also been made for a grant towards the construction of a Students' Hostel for the benefit of the many University students who have not been able to get hostel accommodation in the city.

69. Presidency College Reorganisation:—The Special Committee appointed by the Government with a view to reorganising the Presidency College making provision for more advanced courses and for research submitted its recommendation. The Reorganisation Committee envisages the establishment of a high grade research institute to which are to be appended the Honours courses. The report was forwarded by the Government to the University for remarks. The Syndicate appointed a Committee to consider the report. The Committee's recommendations were approved by the Syndicate and communicated to the Government early in the year.

70. Inter-University Board:—Sir A. Lakshmanaswami Mudaliar, Vice-Chancellor, continued to be the representative of the University. The contribution to the Board has been increased from Rs. 1,000/- to Rs. 2,000/- per year. The annual subscription for the Sports Sub-Committee of the Board has also been increased to Rs. 200/-. Suitable action was taken and information furnished wherever necessary, on the resolutions adopted at the 24th Annual meeting of the Board and at the Quinquennial Conference of Universities held at Madras.

71. The Association of Universities of the British Commonwealth.—According to the amended laws of the Association, Sir A. Lakshmanaswami Mudaliar became the representative of the University on the Association in his *ex-Officio* capacity as Vice-Chancellor. Provision has also been made for enabling the Vice-Chancellor to nominate a member, if he is unable to attend any meeting. Professor M. S. Sundaram, Educational Advisor to the High

77. Extension Boards:—University Extension Boards have been constituted in the following centres:—

Madras (and Tambaram)	Madura
Anantapur	Mangalore
Calicut	Salem
Coimbatore	Tellicherry
Ernakulam	Tinnevelly—Palamcottah
Kurnool—Cuddapah	Tiruchirapalli
Madanapalle	Trichur
	Vellore—Vaniyambadi

The Boards arranged public lectures on topics of popular interest, and wherever possible, some lectures were arranged to be given in Indian Languages.

78. Prizes for Encouragement of Publications in Indian Languages:—The prizes for original work in the subject 'Story of the Atom' prescribed for 1947–48, in Telugu, was awarded to Sri D. A. A. S. Narayana Rao on the recommendation of the Expert Committee appointed to report on it.

For 1948-49, the subject prescribed was 'History of South India' and theses were received only in the Tamil Language. On the report of the Expert Committee appointed to evaluate it, no prize was awarded.

For the year 1949–50 the subject notified was the "Systems of Government in the leading Countries of the World to-day" and theses have been received in Tamil, Malayalam and Kannada Languages.

79. Adaptation (Translation) of Works in Indian Languages.—The Syndicate has also resolved to revive the scheme of adaptation (translation) of selected books into South Indian Languages and the book—History of India by Moreland and Chatterji (2nd Edition)—has been

selected for the purpose. After inviting applications and on the recommendation of Expert Committees the following persons were selected to do the work in the respective Languages:—

Tamil:—Sri M. R. Perumal Mudaliar.

Telugu:—Sri V. Venkataraya Sastri and Sri N. Bhaktavatsalam.

Kannada:—Sri M. Vasudeva Rao.

Malayalam:—Sri P. Narayana Moosad.

Hindi:—Sri R. M. Sinha.

Manuscripts of the adaptations have been received and are under final scrutiny before the printing is taken up.

80. M.Sc. (by Examination):—The arrangements for the course for M.Sc. (by examination) were completed and courses in Mathematics and in Physical and Organic Chemistry commenced in October. The University Professor of Mathematics, the Professors of Chemistry of the Loyola and Presidency Colleges were in charge of the respective classes. Dr. M. Venkataraman has also been appointed by the University to assist the Professor of Mathematics.

The strength of the classes are as follows :—

Mathematics : (at the University Department)	...	11
Physical Chemistry : (at Loyola College)	...	3
Organic Chemistry : (at Presidency College)	...	1

The courses in Botany and Zoology could not be conducted this year.

81. Medium of Instruction :—As mentioned in the previous year's report, the Syndicate considered the communication of the Central and Provincial Governments on the medium of instruction in Schools and Colleges and also the report of the Special Committee which the Syndicate appointed to consider the matter. This report was communicated to the Provincial and Central Governments and placed before the Academic Council and the Senate.

82. Moral and Religious Instruction :—On a reference from the Academic Council, relating to Moral and Religious Instruction in Colleges, the Syndicate appointed a Special Committee. The Committee recommended that colleges should be encouraged to offer such Religious and Moral Instruction as the Managements found it possible and appropriate and to await the report of the Indian Universities Commission for any further action. This was accepted by the Syndicate and approved by the Academic Council.

83. Inter-Collegiate Debates :—Inter-Collegiate Debates both in English and in the South Indian Languages were organized. The undermentioned Committee arranged for the conduct of the Debate in English at Madras :—

The Rev. L. D. Murphy, S.J., (*Chairman*)

Sri V. K. Ayappan Pillai.

Mrs. Mona Hensman.

Sri R. Krishnamurthy.

The undermentioned Principals of Colleges were entrusted with the conduct of the debates in other languages:—

Principal, Government College, Coimbatore ... Tamil.

Principal, Pachaiyappa's College, Madras ... Telugu.

Principal, Government Victoria College, Palghat. ... Malayalam.

Principal, St. Aloysius' College, Mangalore ... Kannada.

Principal, Government Arts College, Madras ... Urdu.

With the co-operation of the above and the help of Principals of other Colleges, the Debates were conducted during the months of November, December and January. All the students who participated in the debates were paid railway fare and halting allowance by the University. The debates were of a high order and the students took keen interest in them. The following are the winners in the debates :—

English.

1st : Mr. S. V. Patrachari, Law College, Madras.

2nd : Mr. M. Narayanaswami, Loyola College, Madras.

3rd : Miss Sarada Pai, Queen Mary's College, Madras.

Tamil.

1st : Mr. G. Rajavelu, Pachaiyappa's College, Madras.

2nd : Mr. K. W. Sivaramakrishnan, Teachers' College, Saidapet.

Telugu.

1st : Miss M. Mogasathi Cassell, Queen Mary's College, Madras.

2nd : Mr. M. Radhakrishna Sarma, Madras Christian College, Tambaram.

Malayalam.

1st : Mr. T. K. Chathen, Sree Kerala Varma College, Trichur.

2nd : Mr. C. J. Antony, St. Joseph's College, Tiruchirappalli.

Kannada.

1st : Mr. Jayaram Shetty, Teachers' College, Saidapet.

2nd : Mr. K. Hanumantha Roya, Govt. Arts College, Anantapur.

Urdu.

1st : Mr. Md. Sheriff, Law College, Madras.

2nd : Miss Zaherunnisa Begum, Queen Mary's College, Madras.

On the invitation of the Ceylon University, the University deputed the winners of the 1st and 2nd places in English for an Inter-University debate held under its auspices at Colombo during the Christmas recess.

84. The British Debating Team:—A British Universities Team consisting of three students from the Universities of Oxford, Wales and Glasgow, visited India on a debating tour. They came to Madras during the last week of February. They were given hospitality and all facilities to visit the colleges in the city and come into contact with the students. Two debates were arranged at the Senate House and two under the auspices of the Y.M.I.A., and Y.M.C.A. The Rev. L. D. Murphy, S.J., was in charge of the arrangements at the special request of the Syndicate.

It is mentioned in the report of their visit received by the Government of India, that the British students appreciated the kindness and goodwill shown to them by the student-body in India, as well as the facilities provided for them by Indian Universities. They have also suggested in their report that an Indian Students' Team might pay a return visit to the United Kingdom in 1950. As such visits have considerable educative and cultural value, the Government of India has a proposal to send out an Indian Students' Debating Team to the United Kingdom. The University has welcomed this proposal and has agreed to contribute its share towards the expenses of the team.

85. Delegations to Conferences, Congresses, etc.:— The Vice-Chancellor represented the University at the Silver

Jubilee Celebrations of the Lucknow University. The various conferences and congresses held in the year and to which University Teachers and others were deputed are detailed below. The Political Science Association and the Indian Mathematical Society held their annual meetings at Madras in December 1949 on the invitation of the University. The Indian Commerce Association has been invited to hold its session of December 1951 at Madras.

Fifteenth All-India Oriental Conference at Bombay:

Dr. C. Kunhan Raja, Professor of Sanskrit.

Dr. V. Raghavan, Lecturer in Sanskrit.

Sri R. P. Sethu Pillai, B.A., B.L., Professor of Tamil.

Dr. C. Achyuta Menon, Reader in Malayalam.

Dr. S. M. Husain Nainar, Reader in Arabic, Persian and Urdu.

Sri M. Mariappa Bhat, M.A., Senior Lecturer in Kannada.

Sri N. Venkata Rao, M.A., Senior Lecturer in Telugu.

Sri P. Sambamurthy, B.A., B.L., Lecturer in Indian Music.

Dr. M. Arokiaswamy, Lecturer in Indian History and Archaeology.

Thirty-second Conference of the Indian Economic Association at Waltair:

Dr. R. Balakrishna, Professor of Economics.

Dr. R. N. Poduval, Reader in Economics.

Tenth Annual Conference of the Indian Society of Agricultural Economics at Madras:

Dr. R. Balakrishna, Professor of Economics.

Dr. R. N. Poduval, Reader in Economics.

Sri C. W. Zacharias, M.A., L.T., Lecturer in Economics.

Sixteenth Conference of the Indian Mathematical Society at Madras:

Dr. R. Vaidyanathaswamy, Professor of Mathematics.

Fifteenth Annual Meeting of the Indian Academy of Sciences at Bangalore:

Dr. T. S. Sadasivan, Director, University Botany Laboratory.

Thirty-Seventh Indian Science Congress Session at Poona:

Dr. M. A. Govinda Rau, Director, Alagappa Chettiyar College of Technology.

Dr. C. P. Gnanamuthu, Director, Zoology Laboratory.

Dr. P. S. Sarma, Director, Biochemistry Laboratory.

Dr. T. S. Sadasivan, Director, Botany Laboratory.

Dr. U. R. Ehrenfels, Head of the Department of Anthropology.

Sri D. V. Rajalakshman, M.A., M.Sc., Head of the Department of Statistics.

Second Annual Meeting of the Indian Institute of Chemical Engineers at Bombay:

Dr. M.A. Govinda Rau, Director, Alagappa Chettiyar College of Technology.

Twelfth Session of the Indian Political Science Association at Madras:

Sri R. Bhaskaran, M.A., Reader in Politics and Public Administration.

The Rev. J. Adisayam, S. J., Professor, Loyola College.

Sri T. Balakrishnan Nayar, M.A., Professor, Presidency College.

Twenty-fourth Session of the Indian Philosophical Conference at Patna:

Dr. T. M. P. Mahadevan, Reader in Indian Philosophy.

Twelfth Session of the Indian History Congress at Cuttack:

Sri V. R. Ramachandra Dikshitar, Professor of Indian History and Archaeology.

All Kerala Literary Conference at Nileshwar, North Malabar:

Dr. C. Achyuta Menon, Reader.

Sri S. Krishnan Nayar, B.O.L., Junior Lecturer.

86. (*a*) **National Cadet Corps**:—On the disbandment of University Officers' Training Corps on 15th July 1948, the National Cadet Corps came into existence with effect from the same date. The N. C. C. now consists of two Infantry Battalions, one Engineering Platoon, one Medical Section and one E. M. E. Section. Every Unit is commanded by a Regular Army Officer. The following is the strength of Officers and Cadets of each Battalion:

Name of Battalion.	No. of Officers.	No. of Cadets.
1st Madras Bn. N. C. C., Madras ...	18	650
2nd Madras Bn. N.C.C., Tiruchirapalli	17	624
3rd Madras Eng. Pl. N. C. C., College of Engineering, Guindy, Madras. ...	1	81
6th Madras Med. Co., Medical College, Madras ...	1	63
2nd Madras E.M.E. Section, College of Engineering, Guindy, Madras. ...	1	22

(*b*) *Cadre Camps*:—The 1st Madras Infantry Battalion held a cadre camp in Loyola College grounds, from 25–9–49 to 9–11–49. The 2nd Madras Infantry Battalion, Tiruchirapalli held their camp at Kajamalai Hills from 18–10–49 to 2–10–49. This was inspected by the District Medical Officer, Tiruchirapalli. The 6th Madras Medical Company, Madras held their camp of 15 days from 9–12–1949 to 23–12–49. This was inspected by Major General A. A. Rudra and Brigadier Gurbachan Singh. The Hon'ble Minister for Education, Sri K Madhava Menon and the Registrar, University of Madras also visited the camp.

(*c*) *Annual Camps*:—The 1st Madras Battalion held the camp at Cholavaram from 9–12–1949 to 23–12–49. The 2nd Madras Battalion, Tiruchirapalli held the annual camp in the Kajamalai Hills from 9–12–1949. Col. C. G. Bewoor, Director, N. C. C., Ministry of Defence and Lt.-Col. B. C. Basapa, Circle Commander visited the camp. The 3rd Madras Engineering Platoon, College of Engineering, Guindy held the annual camp at Bangalore from 3–12–1949 to 18–12–1949. Col. C. G. Bewoor, Brigadier Arthkirath Singh, and Col. R. A. Loomba, R. I. E. visited the camp.

(*d*) *Guard of Honour* :—The 1st Madras Battalion presented a Guard of Honour to H.E. the Governor of Madras on two occasions, in connection with (1) University Convocation and (2) the celebration connected with Poet Laureateship.

In the middle of February, the 3rd Madras Engineering Platoon, College of Engineering, Guindy, Madras presented a Guard of Honour to Major General and Mrs. A. A. Rudra. In the second week of November the platoon had a ceremonial parade to receive the University Commission led by Sir A. Lakshmanaswami Mudaliar.

(*e*) *Training of Officers*—On 16th March 1949, 18 members were selected from the staff of various colleges for

interview to appear before the Joint Civil Selection Board and 12 were selected. With the selected 12 candidates 14 more candidates (who had already been commissioned) were sent for training. One out of the 12, could not go for training due to some domestic difficulties. Out of the remaining 25, 22 were commissioned in the N. C. C. after the completion of successful training.

The training of the N. C. C. in camps was beneficial to the Officers as well as to the cadets. The training for B. & C. Certificates was being conducted by the Regular Army Staff.

(*f*) A Circle Commander has been appointed in November 1949. He is an overall authority for the National Cadet Corps for South India.

87. University Union and Inter-Collegiate and Inter-University Tournaments:—The University Union continued to function actively during the year. The Rev. L. D. Murphy, S.J., M.A., was the President of the Governing Body and of the Tournaments Committee. Eighty students have enrolled as members. Practice matches in the several games were arranged in the Union Grounds and the Union Teams played with representative teams from the City. Inter-Collegiate tournaments were as usual arranged. The University participated in most of the Inter-University competitions during the year, and sent a team to the Inter University Athletic Meet held at Colombo. The University conducted the Inter-University Football—South Zone and Finals—and Cricket—South Zone fixtures. One member of the University Cricket Team played in the Universities Eleven against the Commonwealth Cricket Team.

X. BUILDINGS AND ACCOMMODATION.

88. (i) **Alagappa Chettiar College of Technology:**—The year under report saw the completion of the buildings and the installation of most of the services and laboratory fittings. The buildings were declared open by the Hon'ble Rajkumari Amrit Kaur on the 8th January 1950, and an illustrated Souvenir Brochure was issued on the occasion to commemorate the event. This marks the completion of the first stage of construction in connection with the College, and it is expected that all sections now working in the Engineering College and in the Hostel block will begin their work in the new buildings by the commencement of the next academic session in July 1950. It is proposed to shift the heavy equipment and machinery into the new buildings during the next summer recess so as to cause the minimum dislocation to the work of the College during the academic session.

An application has been made to the Government of India for a grant for the construction of buildings for the Textile Technology Department of the College, and should this meet with the approval of the Government of India, another block will be built to the North-East of the main building.

With the increased annual intake into the College and the necessity for proper boarding facilities for the students in the Hostel, who were having their mess in common with the Engineering College, the Syndicate resolved to construct a kitchen and dining block attached to the hostel. Plans for its construction were drawn up by the Architect, and after calling for tenders, a contractor has been chosen for constructing it. The work has started, and it is hoped that by July 1950, this block would be ready for occupation.

(ii) The repairs to the leaks in the roof of the Library and Departmental buildings have so for been executed in two sections of the buildings. These repairs were found to be satisfactory during the rains this year and the Syndicate has therefore resolved to execute similar repairs to the remaining part of the buildings, for which provision has been made in the estimate for 1950–51.

(iii) The University took over the Examination Hall building during the year 1948, but the claim for damages caused and consequent repairs in respect thereof took a considerable time for settlement by the Army Authorities, and it was only during the latter half of 1949 it was paid. Meantime tenders were invited for the execution of these repairs and the repair work has been started and is nearing completion.

89. With the expansion in the University Departments both in numbers and in personnel, and with the University undertaking the responsibility for Honours teaching in the new branches of Geography and Commerce and for post-graduate teaching for M.Sc., the accommodation available in the University Buildings in Chepauk, was found insufficient. It has therefore been decided to transfer in 1950 the Departments of Geography, Psychology and Philosophy to the Examination Hall building. The additional space thus made available by this transfer may be found sufficient to meet the present needs of the other departments remaining in the Departmental building.

XI. MADRAS UNIVERSITY LIBRARY.

90. Dr. M. O. Thomas, M.A., Th. D., Dip. L.S. (London), F.L.A. continued to be the Librarian during the period under report. Sri C. Sundaram, B.A., was appointed as Assistant Librarian from 19th November 1949.

(i) **Reference Section** :—Bibliographical lists were prepared and supplied to members and enquirers as usual.

(ii) **Issue Section** :—3,450 members enjoyed the privilege of borrowing books from the Library. Of these 604 joined during the year. There were 325 mofussil members. 75,958 books were consulted within the library and 64,619 were issued for home reading. The number of readers that used the Library during the year was 79,793.

Hours of the Library :—The working hours of the library were

1st April to 30th September — 8 A.M. to 6 P.M.

1st October to 31st March — 7-30 A.M. to 5-30 P.M.

During the year under report the Library was closed to the public on 15th August and 2nd October on account of Independence Day anniversary celebrations and Gandhi Jayanti respectively.

(iii) **Binding Section**:—742 books and 1,108 periodical publications were bound during the year under report.

(iv) **Technical Section** :—3,753 volumes of books and periodicals, 23 theses and 13 research reports were accessioned and catalogued during the year involving the preparation of 10,895 cards.

(v) **Books Section** :—3,753 volumes were added to the Library of which 2,991 were by purchase and 762 by donation or exchange. Of these 714 were kept in the Departmental Libraries.

There are 1,19,635 volumes in the Main Library and 26,207 in the Departmental Libraries thus making a total of 1,45,842 volumes. In addition 3,483 volumes, mainly stray pamphlets and loose numbers of periodicals, are kept

in a special sequence. Besides these, the Library also possesses 2,231 maps, 39 paper manuscripts and 1,748 palm leaf manuscripts. 3 sets of photostat copies of Ramanujam's Manuscripts were also taken in the year.

23 more copies of theses submitted for research degrees of the University were deposited in the Main Library, thus making a total of 447. 250 final reports of research students have also been deposited.

Certain valuable books and periodicals were received as gifts from the following :-

1. Yale University Library, New Haven, Connecticut, U.S.A.
2. United States Information Service, Madras.
3. Smithsonian Institution, Washington D.C., U.S.A.
4. Carnegie Endowment for International Peace, Division of International Law, Jackson Place, New York, U.S.A.

(vi) **Periodicals Section** :—The current periodical publications number 2,134 of which 1,885 were kept in the Main Library and the rest in the Departmental Libraries. Out of 324 periodicals which stood suspended last year 11 sets comprising 130 volumes were acquired during the year. The Periodicals held up during the war period are also being received in large numbers.

Exchange Relation:—Exchange relation was opened with the Princeton University Library.

(vii) **Finance** :—The usual grant for the Library of Rs. 43,500/- and the departmental grant amounting to Rs. 10,359/- were credited to the library account. The annual interest on investments amounted to Rs. 12,654/-.

The accounts of the Library were, as usual, audited by the Examiner of Local Fund Accounts.

(viii) The University is indebted to several Governments, Institutions and publishers and individual donors for the free supply of their publications to the Library.

(ix) **Courses in Librarianship:**—3 students completed the Diploma Course in Librarianship and qualified for the Diploma. 14 students have joined the course in the current year.

The Certificate Course in Librarianship was revived and conducted during the months of May, June and July. 21 students joined the course and qualified themselves for the Certificate.

DEPARTMENTAL LIBRARIES.

91. Prof. George Kuriyan, B.A., B.Sc., Ph.D. (Lond.), continued to be the Honorary Librarian during the year.

There was continued development in both the sections of the Departmental Libraries. In the course of the year 228 volumes, as against 452 during the previous year were added to the Libraries. In addition, 1,213 current journals indented for by the various departments were also received. 15 books and Government reports were received as complimentary copies.

The number of books that were consulted and taken on loan during the year were 19,574 and 13,170 respectively. without taking into account the current periodicals kept on the Readers table for reference. Besides, 4,666 periodical publications were also taken on loan by the several research workers of the various Departments of the University.

The Departmental Libraries were also used by several Honours students and the staff of the various city colleges

Occasionally through the Librarian of the Madras University Library, books were borrowed by the Officers of the Board of Revenue, Departments of Agriculture, Finance etc.—the number of books so borrowed during the year being 1,114. Besides, the regular research students, 3,161 visitors came to the Libraries during the year for purposes of consultation, as against 2,652 in the previous year.

XII. MADRAS UNIVERSITY STUDENTS' INFORMATION BUREAU.

92. Mr. G. A. Dharmarajan, M.A. (Oxon.) continued to be the Secretary of the Bureau.

Enquiries about the courses and admission in Foreign Universities have been on the increase and there were 1,500 enquiries. About 500 personal calls were attended to during the year. Thirty-nine applications were forwarded and the following is the statistics of students admitted :—

Michigan University, U.S.A., Business Administration ...	5
Michigan University, U.S.A., Mechanical Engineering ...	1
Lowell Textile Institute, U.S.A., Textile Technology ...	1
Spartan School of Aviation, U.S.A., Aeronautical Engineering ...	2
California University, U.S.A., Medical course...	1
California University, U.S.A., Architecture ...	1
California University, U.S.A., Business Administration ...	1
Columbia University, U.S.A., Journalism ...	1
Columbia University, U.S.A., Economics ...	1
Wisconsin University, U.S.A., Business Administration ...	1

Chicago University, U.S.A., Business Administration ...	1
Maryland University, U.S.A., Postgraduate Agricultural course ...	1
Harvard University, U.S.A., Politics and Public Administration ...	1
London School of Economics, U.K. ...	1
Manchester University, U.K., Engineering ...	2
Air University, Hamble, U.K., Aeronautical Engineering ...	2
Lincoln's Inn., U.K., Barrister-at-Law ...	2
Automobile Engineering College, London, U.K. Automobile Engineering ...	1
Bradford Technical College, U.K., Chemical Engineering ...	1
McGill University, Canada, Chemical Engineering ...	1
Friborough University, Switzerland, Summer course ...	1

General.

(*a*) During the year there has been an addition of 239 catalogues of Universities abroad. With a view to guiding students regarding possible careers a beginning has been made to collect pamphlets and career books useful to the students.

(*b*) The Bureau continued to give useful information on available courses abroad, details regarding passports and visas, sterling and dollar permits, estimate of expenses, facilities for training, position regarding lodgings and related items.

(*c*) Information on facilities for research and higher courses in the Indian Universities and institutes of research and for careers in the armed forces, details of opportunities in the Navy, the Army and the Air Force were given to the enquirers.

(*d*) With a view to guiding students and graduates regarding membership of professional institutions, application and prospectus of the Institutes of Engineering, of Fuel, of Accountancy, of Chemical Engineering, and of Actuaries were acquired by the Bureau. Two students proceeded this year to U. K. to obtain training in accountancy and banking.

(*e*) The Secretary gave a brief talk on the teaching career and the fields of specialisation available abroad to the B.T. students of the Lady Willingdon Training College and two articles on engineering courses and career were published in the Madras Information giving details regarding apprenticeships, degree and diploma courses.

(*f*) The University Information Bureau acknowledges with thanks the kind and helpful co-operation of the U. S. Information Services, the U. K. Information Services, the British Council, the Central Information Bureau, Government of India, and the Office of the High Commissioner for India at London. The Bureau acknowledges with thanks the kind co-operation of the Editors of the Madras Information, the Educational Quarterly of the Government of India, the "Sunday Times", the "Hindu" and the "Indian Express",

XIII. ENDOWMENTS.

93. The following new Endowment was accepted by the Syndicate during the year and reported to the Senate under Section 19 (i) of the Act:—

Professor Joseph Franco Lectureship—An Endowment of Rs. 3,400 invested in 3% Government Securities from the Professor Franco Commemoration Committee for the purpose of establishing a Lectureship on a subject pertaining to Politics with special reference to administration in India to be awarded once in two years.

94. The awards of Prizes and medals on the results of examinations and the award of scholarships according to the terms of award were made, wherever there were eligible candidates.

XIV. LECTURES.

95. Special Lectures:—The University has had several communications from the Government of India, Ministry of Education, regarding the visits of Professors, members of Diplomatic Corps and other important persons from foreign countries and Universities and offered welcome and hospitality to the visitors during their stay in Madras. Visits to University Colleges and other Educational Institutions and special lectures were arranged.

96. The undermentioned lectures were arranged under the auspices of the University and delivered during the year:—

1. Dr. Carsun Chang of China.	The Growth of Political Parties.
2. Mr. Peter Koinange of East Africa.	The African Local Government.
3. Dr. Eddy Asirvadam of Boston University, U.S.A.	1. American Domestic Issue. 2. American Foreign Policy in Post-war years. 3. Do. do. 4. Three years of the United Nations.
4. Professor Hadi Hasan of Muslim University.	Kalidasa's Sakuntala.
5. Professor Emil Brunner of Zurich University.	1. Problem of Freedom. 2. Problem of Justice.
6. Professor H. Wold of Upsala University.	Synthesis of Pure Demand.
7. Professor Marshal Stone of the University of Chicago.	Spectral Theory.

97. The following Endowment Lectures were delivered during the year 1949:—

1. Dr. Elizabeth Matthai Endowment Lectures (48-49).	Dr. S. T. Achar, M.D., F.R.C.P.(C).	An Analysis of some of the important pediatric problems in Madras City.
2. The Rt. Hon. V. S. Srinivasa Sastri Endowment Lectures (48-49)	Dr. C. Ramalinga Reddi, M.A., D.Litt.	Democracy in Contemporary India.
3. The Sir William Meyer Endowment Lectures (48-49).	Prof. C.S. Srinivasachariar, M.A.	The Inwardness of British Annexations in India—A critical study.
4. Diwan Bahadur K. Krishnaswami Rao Endowment Lectures (49-50).	Dr. C. Kunhan Raja.	Some Aspects of Education in Ancient India.
5. The Sankara Parvathi Endowment Lectures (49-50).	Dr. K. Kanagasabapathy Pillai, M.A., D. Phil. (Oxon.),	Early History of Nancinad.

6. The Maharaja of Travancore Curzon Endowment Lectures (*Engineering*) (49-50)	Sri V. V. L. Rao, B.E., D.I.C.	1. Broadcasting in India. 2. Community listening in India. 3. Radio Receiver Manufacture in India.
7. The Dr. A. Lakshmanaswami Mudaliar Endowment Lectures (49-50).	Dr. V. R. Khanolkar, M.D., D.Lit.	Medicine—Cyclic changes in female reproductive tract.
8. Sri Alladi Krishnaswami Ayyar Shashtiabdhapurthi Endowment Lectures (49-50).	Dr. C. N. Vakil, (Bombay University).	Fundamental changes in our Economic Structure.
9. The Sir George Stanley Endowment Lectures (49-50).	Sri C. Narayana Menon, M.A., D.Litt.	Literature considered as spiritual Discipline.

98. The following persons have been invited to deliver the undermentioned Endowment Lectures for the year 1949–50 and the lectures are expected to be delivered early in 1950:—

Dr. Elizabeth Matthai Lectures.	Dr. P. Ratnaswami, B.A., M.D.
The Maharaja of Travancore Curzon Lectures (Medicine).	Sri R. Mahadevan, M.S., F.R.C.S. (Eng.), F.R.C.S. (Edin.).
The Maharaja of Travancore Curzon Lectures (*Agriculture*).	Sri M. B. Venkatanarasinga Rao, B.A., B.Sc. (Ag.).
The Dr. Annie Besant Memorial Lectures.	Sri P. N. Srinivasachari, M.A.
The Principal Miller Lectures.	Sri S. Parthasarathi, M.A.
The Fr. P. Carty Lectures.	Dr. R. N. Poduval.

The Sundaram Ayyar Krishnaswami Ayyar Lectures.	Sri M. Chockalingam, M.A., M.L.
Sir William Meyer Lectures (Economics).	Dr. V. S. Krishna, B.A. (Oxon), Ph.D.

99. Honorary Readers appointed by the Syndicate under Section 19(g) of the Act, delivered the following Lectures during the year:—

Sri A. Sankaran, M.A., Ph.D. ...	1. The Nyaya Conception of Truths and its bearing on 'Nyaya Theism.' 2. A Comparative study of Nyaya Vaisesika categories.
Sri K. S. Anantanarayana Ayyar, M.A., L.T,	The Theory of Relativity.
The Rev. Lourdu M. Yeddanapalle, S.J. D.Sc.	The Quantum—Statistical Treatment of Chemical Research Rate.
Sri T. K. Venkataraman, M.A., L.T.	Landmarks in Human Cultural History.
The Rev. R. S. McNicol, M.A. ...	Greek Drama.
Mr. P. L. Stephen, M.A. ...	1. The Place of Sigrid Undset among Modern Novelists. 2. The Literary value of the works of Helen Keller. 3 & 4. Foreign Influences in English Literature (Russian Influence).
Sri T. Balakrishnan Nayar, M.A. (Mad.), M.A. (Lond.).	India and the Commonwealth.
Sri A. C. Joseph, M.A. ...	Catalysis.

Sri V. Subbusesha Ayyar, M.A. L.T.	1. Finance and tax structure of Unitary and Federal Governments.
	2. What should India learn from U.S.A. and British Financial and Tax structure.
	3. Provincial & State Finances in Western Federations and India.
	4. Local Finances and Problems of Financial Administration in Federations.
Sri T. Totadri Ayyangar, M.A. ...	The Theory of sets of points.
Janab Md. Abdul Ghani M.A. ...	Thomas Hardy, the Novelist.
Dr. D. Gurumurthi ...	Ideologies Old and New (To be delivered in February—March 50.)

XV. ACCOUNTS.

100. The accounts of the University, including those of the University Library, for 1948–49, were prepared under Section 21 of the Madras University Act and audited by the Examiner of Local Fund Accounts.

101. The receipts under Fee Fund Account during the year ending 31st March 1949 amounted to Rs. 15,18,673 and the expenditure to Rs. 13,15,847 leaving a surplus of Rs. 2,02,826.

102. The Budget for the year 1949–50 was approved by the Senate at its meeting held on the 23rd March 1949.

103. As in previous years, grants were paid to the Inter-University Board, Universities Bureau of the British Empire and other Bodies. The total amount spent on grants and contributions amounted to Rs. 67,268.

104. The Provincial Government placed at the disposal of the University the sum of Rs. 4,02,500 for the

recurring items of expenditure for 1948–49 to be drawn in monthly instalments, and the amount has, as usual, been allocated to the various accounts in the following manner:—

		Rs.
(1) Fee Fund Account	...	3,000
(2) Travelling Allowance Account	...	40,000
(3) Library Account	...	43,500
(4) Economics Account	...	30,000
(5) Indian History Account	...	30,000
(6) Research and Development Account	...	3,000
(7) V. C.'s Salary Account	...	26,000
(8) U.S.I.B. Account	...	3,000
(9) Zoology Account	...	30,000
(10) Biochemistry Account	...	28,000
(11) Mathematics Account	...	11,000
(12) Departments of Philosophy and Psychology Account	...	12,000
(13) Oriental Research Institute Account	...	58,000
(14) A. C. College of Technology Account	...	85,000
		4,02,500

105. A sum of Rs. 2 lakhs out of the non-recurring grant was also placed at the disposal of the University during the year by the Provincial Government for the Alagappa Chettiar College of Technology, Guindy.

106. A grant of Rs. 90,000 was received from the Government of India for building and equipment for the Alagappa Chettiar College of Technology Guindy as part of their non-recurring grant of Rs. 4,05,000.

107. Government securities of the face value of Rs. 2,26,800 were purchased during the year against the several accounts of the University.

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APPENDIX A.

Colleges which have been granted further affiliation in new courses, and fresh affiliation.

1. Govt. Arts College, Madras:

   Intermediate—Part II—Sanskrit, Kannada and Hindi.

2. Loyola College, Madras:

   Intermediate—Part II—Latin.

   B.A.—Part II—and Part III—Gr. (v)—Latin.

3. Pachaiyappa's College, Madras:

   Hindi under Part II of the Intermediate, B.A. and B.Com. Degree Courses.

4. Presidency College, Madras:

   B.A. Part III—Gr. (iii-c)—Psychology.

   B.A. (Hons.)—Br. XI—Tamil and Telugu.

   B.Sc. (Pass)—Part II—Geography.

   B.Sc. (Hons.)—Br. I-B—Statistics.

   B.Sc. (Hons.)—Br. VIII—Geography.

5. Vivekananda College, Madras:

   B.Sc. Part II—Statistics (Main).

   B.A. (Hons.)—Br. I-A—Mathematics.

6. Queen Mary's College, Madras:

   B.Sc.—Part II—Mathematics, Physics, Chemistry and Geography (Main and Subsidiary).

7. Ethiraj College for Women, Madras:

   Intermediate: Part II—Hindi.

   Part III—Economic History of England and Economic Geography.

   B.A. Part II—Hindi.

   Part III—Gr. (v)—Tamil.

8. Stella Maris College, Madras:

Intermediate—Part III—Physics and Chemistry.

9 Farook College, Feroke:

Intermediate : Part II—Tamil.

Part III—Physics, Chemistry, Natural Science and Indian History.

B.O.L: Part I—English.

Part II—Arabic.

10. Dr. Alagappa Chettiar College, Karaikudi:

B.Sc.—Part II—Geology (Main and Subsidiary).

11. Govt. College, Kumbakonam:

B.Sc. Part II—Botany (Subsidary).

12. American College, Madura:

B.A. Part II—Urdu.

13. Rajah's College, Pudukottai:

B.Com.: Part I—English.

Part II—Hindi.

Part III—Compulsory subjects and Optional subject—Co-operation.

14. Sarah Tucker College, Palamcottah:

B.A. Part III—Gr. (iv-b)—Economics and History.

15. Govt. Brennen College, Tellicherry:

Intermediate—Part III—Natural Science.

16. Sree Kerala Varma College, Trichur:

Intermediate—Part III—Group D—Sanskrit.

B.A. Part III—Gr. (v)—Sanskrit and Early Indian History

B.O.L. Part II—Sanskrit.

17. Voorhees College, Vellore:

Intermediate—Part III—Natural Science.

18. Senthikumara Nadar College, Virudhunagar:

Intermediate—Part III—Group D—Tamil.

19. Govt. College, Cuddapah:

Intermediate—Part III—Mathematics, Physics and Chemistry.

20. Lady Willingdon Training College, Madras.
21. Teachers' College, Saidapet, Madras.
22. Meston Training College, Madras.
23. St. Christopher's Training College, Madras.

B.T.—Methods of Teaching Basic Education — Theory and Practice.

New Colleges.

1. Thiagarajar College, Mathurai:

Intermediate: Part I—English.

Part II—Tamil and Sanskrit.

Part III—Mathematics, Physics, Chemistry, Indian History, Modern History, Logic and Elements of Commerce and Accountancy.

B.A.: Part I—English.

Part II—Tamil and Sanskrit.

Part III—Gr. (i-c)—Statistics.

Gr. (ii-a)—Mathematics (Main) and Physics (Subsidiary).

Gr. (iv-b)—Economics and History.

2. Government College, Mercara (Coorg):

Intermediate: Part I—English.

Part II—Kannada and Hindi.

Part III—Mathematics, Physics, Chemistry, Natural Science, Ancient History, Modern History and Logic.

3. Mahatma Gandhi Memorial College, Udipi:

Intermediate: Part I—English.

Part II—Kannada, Hindi and Sanskrit.

Part III—Mathematics, Indian History, Modern History, Logic and Elements of Commerce and Accountancy.

4. Y.M.C.A. College of Physical Education, Saidapet:
Diploma in Physical Education,

APPENDIX B.

Applications received from colleges for further or fresh recognition or affiliation from the academic year 1950-51.

Arts and Science and Commerce.

Constituent Colleges.

1. **Government Arts College, Madras:**

   B.A.: Part III—Gr. (ii) Botany (Main) and Zoology (Subsidiary).

   B.A.: Part III—Gr. (iv-a)—History and Economics.

   B.Sc.: Part I—Tamil, Telugu, Malayalam and Urdu.

   B.A. (Hons.) Branch XI—Urdu and its Literature with Hindi.

2. **Loyola College, Madras:**

   B.Sc.: Part II—Botany as Main and Subsidiary subjects.

   Do. Part II—Zoology (Subsidiary).

3. **Pachaiyappa's College, Madras:**

   B.A. (Hons.)—Branch XI—Tamil.

   —Branch XI—Telugu.

4. **Presidency College, Madras:**

   B.A. (Pass)—Part III—Gr. (viii)—Geography.

   B.A. (Hons.)—Branch II—B.—Psychology.

   Branch XI—Kannada.

   Branch XI—Malayalam.

   Branch XIII—Islamic History and Culture.

   *B.A. (Hons.)—Branch XIV—Geography.

5. **Vivekananda College, Madras:**

   B.A. Part III—Gr. (i-b)—Mathematics.

(* On an Inter-Collegiate-University co-operation basis).

6. **Queen Mary's College, Madras:**

   Intermediate—Part III—Psychology.

   B.Sc. Part II—Physiology (Subsidiary).

7. **Stella Maris College, Madras:**

   Intermediate Part II—Sanskrit.

   Do. Part III—Painting.

   B.A. Part II—Sanskrit.

   B.A. Part III—Gr. (vi)—Indian Music.

   Gr. (vii)—Western Music.

   Gr. (x)—Painting.

   * (Permanent recognition of the College in its present buildings also sought)

Affiliated Colleges.

8. **Govt. Arts College, Coimbatore:**

   Intermediate—Part III—Group D—Tamil.

   B.A. Part II—Hindi.

   Part III—Botany (Main and Subsidiary)

   Zoology (Main and Subsidiary).

9. **Nirmala College for Women, Coimbatore:**

   Intermediate Part III—Physics and Chemistry.

10. **Govt. College, Cuddapah:**

    Intermediate Part II—Hindi.

    Part III—Natural Science.

    B.Com. Part I—English.

    Part II—Hindi.

    Part III—Compulsory subjects and Optional subject—Co-operation.

11. **St. Albert's College, Ernakulam:**

    B.A. Part II—Hindi.

12. Farook College, Feroke:

Permanent affiliation in Intermediate, B.A. and B.O.L. Degree courses and further affiliation in the following :

Intermediate Part III—Elements of Commerce and Accountancy.

B.A. Part II—Tamil.

Part III—Gr. (iv-a) History and Economics.

Gr. (iv-c)—Politics and History.

B.Com. Part I—English :

Part II—Malayalam, Tamil, Urdu, and Hindi.

Part III—Compulsory subjects and optional subject.

13. Dr. Alagappa Chettiar College, Karaikudi:

B.A. Part II—Hindi.

B.A. (Hons.)—Branch XI—Tamil.

14. Government College, Kumbakonam:

Intermediate Part II—Hindi.

15. Osmania College, Kurnool:

B.A. Part III—Gr. (i-b)—Mathematics.

B.Com. Part II—Telugu and Urdu.

16. Government College, Mangalore:

Intermediate Part II—Urdu.

B.A. Part II—Urdu.

B.Com. Part II—Urdu.

B.A. Part III—Gr. (ii-a) Mathematics (Main) with Physics (Subsidiary).

17. Madura College, Mathurai:

B.Sc. Part II—Chemistry (Main).

Botany (Subsidiary).

18. Thiagarajar College, Mathurai:

Intermediate Part III—Natural Science.

B.A. Part III—Gr. (i-b)—Mathematics.

19. Govt. Victoria College, Palghat:

B.Sc. Part II—Botany (Main and Subsidiary).

Zoology (Main).

20. Rajah's College, Pudukkottai:

Intermediate Part II—Hindi.

21. Salem College, Salem:

Intermediate Part III—Tamil.

B.A. Part III—Gr. (v)—Tamil.

22. Raja Dorasingam Memorial College, Sivaganga:

Permanent affiliation and further affiliation in the following :—

Intermediate Part III—Physics and Chemistry.

*23. Madras Christian College, Tambaram:

B. A. (Hons.) Branch II-B.—Psychology.

24. Govt. Brennen College, Tellichery:

Intermediate Part II—Hindi.

B. A. Part II—Hindi.

Arabic.

25. National College, Tiruchirapalli:

Intermediate Part III—Elements of Commerce and Accountancy.

26. Sri Venkateswara College, Tirupati:

Intermediate—Group D.—Tamil, Telugu and Sanskrit.

B.O.L. Part I—English.

Part II—Tamil, Telugu and Sanskrit.

(Courses to be conducted on the basis of Inter-Collegiate lectures with Sri Venkateswara Oriental College, Tirupati.)

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*(on an Inter-Collegiate-University co-operation basis.)

27. St. Mary's College, Trichur:

Intermediate Part III—Natural Science.

28. St. Mary's College, Tuticorin:

Permanent affiliation and further affiliation in the following:—

Intermediate Part II—Malayalam.

Part III—Mathematics. Indian History and Logic.

29. Islamiah College, Vaniyambadi:

Intermediate Part III—Natural Science.

30. Senthikumara Nadar College, Virudhunagar:

Permanent affiliation and further affiliation in the following :—

Intermediate Part III—Physics and Chemistry.

New Colleges

Arts and Science and Commerce.

31. Thiagaraja Chetty College, Washermanpet, Madras:

Intermediate Part I—English.

Part II—Tamil and Telugu.

Part III—Mathematics, Physics, Chemistry, Ancient History, Modern History, Logic and Elements of Commerce and Accountancy.

32. Veerasaiva College, Bellary:

Intermediate Part I—English ;

Part II—Telugu, Kannada and Urdu.

Part III—Mathematics, Physics, Chemistry, Modern History, Indian History, Logic and Elements of Commerce and Accountancy.

33. Pachaiyappa's College, Kancheepuram:

Intermediate Part I—English.

Part II—Hindi aad Tamil.

Part III—Histories, Logic and Elements of Commerce and Accountancy.

34. Raja's Arts College, Kollengode (S. Malabar):

Intermediate Part I—English.

Part II—Sanskrit, Hindi, Tamil and Malayalam.

Part III—Mathematics, Indian History, Ancient History, Modern History, Logic, Geography, Household Art, Indian Music and Elements of Commerce and Accountancy.

35. Government College, in the Nilgiris Dt:

Intermediate—Part I—English.

Part II—Tamil.

Part III—Mathematics, Modern History, Indian History, Psychology and Elements of Commerce and Accountancy

Professional Colleges

Teaching.

B.T. Degree Course.

1. Government Arts College, Coimbatore
2. Dr. Alagappa Chettiar College, Karaikudi
3. Rajah's Training College, Kollengode
4. Government College, Mangalore
5. St. Aloysius' College, Mangalore
6. Training College, Ottapalam
7. St. Xavier's College, Palamcottah
8. Government Victoria College, Palghat
9. Sri Ramakrishna Vidyalaya, Periyanaickenpalayam (Coimbatore Dt.)

Engineering

P.S.G. College of Technology, Peelamedu, Coimbatore.	B.E. Degree Course-Civil, Mechanical, Electrical and Textile Engineering. and/or B.Sc. (Tech.) in Textile Technology.

Medical.

Stanley Medical College, Madras	Diploma course in Oto-Rhino-Laryngology.

Oriental Title Institutions.

Islamiah Arabic College, Kurnool	Oriental Title-Tabib-i-Kamil.

APPENDIX C.

Names of persons who have been declared qualified for Research Degrees on submission of theses.

Master of Letters.

1. Sry. K. Varadalakshmi, B.A., for her thesis, "Raga and Rasa."
2. Mr. E. John, B.A. (Hons.), for his thesis, "War-time Developments in Indian Currency."
3. Sry. K. Gomati, B.A., for her thesis, "The Music of the Nrtya-Natakas of South India."
4. Miss J. Lizzy Jesudason, M.A., for her thesis, "Public Health (Sanitary) Administration of the Madras Presidency."

Doctor of Philosophy.

1. Mr. V. A. Devasenapathi, M.A., for his thesis, "Saiva Siddhanta as expounded in the Sivagnana Siddiyar and its six commentaries."
2. Mr. J. Thuljaram Rao, M.Sc., for his thesis, "A contribution to the Taxonomy of Saccharum and its congeners."
3. Mr. A. Narayanaswami, B.Sc., for his thesis, "Protein Structure, the properties of Aminoacid Composition of Shark Ray Collagen."
4. Mr. K. Krishnan Nair, M.Sc., for his thesis, "Contribution to the Studies of Indian Fishes and their Fisheries."
5. Mr. S. M. Sreenivasachar, M.A., for his thesis, "A study of Satadusani."

6. Miss T. S. Sarojini, M.A., for her thesis, "Soil Conditions and Root Diseases with special reference to *Fusarium Udum* on Red Gram."

7. Mr. K. S. Venkataramani, M.Sc., for his thesis, "Studies on Indian Vegetables."

8. Mr. C. P. Anantakrishnan, M.Sc., for his thesis, "Chemistry of Indian Dairy Products.

Master of Science.

1. Mr. E. J. Varghese, B.A., for his thesis, "Rice Polysaccharides with special reference to quality."
2. Mr. Jacob Chakko, B.E., for his thesis, "Investigations in the Running of Diesel Engines."
3. Mr. M. K. Vainu Bappu, B.Sc., for his thesis, "Spectroscopic study and Photoconductivity of Amethyst Quartz."
4. Mr. Ninan Varghese, M.B.B.S., for his thesis, "Kidney Proteins."
5. Miss C. K. Subhapradha, M.A., for her thesis, "Helminth Parasites of the Economic Fishes of the Madras Coast."
6. Mr. S. Narayanan, B.Sc., for his thesis "Studies on Boric Acid with special reference to Hydroxy-Ketones."
7. Mr. A. S. Krishnamurti, B.A. (Hons.), for his thesis, "Multivariate Distribution Functions."
8. Mr. P. Srinivasan, B. V. Sc., for his thesis, "Study of the Osteology and Myology of the Common Domestic Fowl."
9. Mr. C. T. Peter, B. V. Sc., for his thesis, "Studies on the Fresh Water Cercarial fauna in and around Madras."

10. Mr. P. S. Narayanan, B.Sc. (Hons.), for his thesis, "Investigations on Raman Effect."
11. Mr. R. Visvanathan, M.A., for his thesis, "Studies on the Hydrolysis of Starch."
12. Mr. B. W. X. Ponnayya, B.Sc. (Ag.) for his thesis, "Studies in the genus Sorghum."
13. Mr. C. S. Venkat Ram, B.Sc., for his thesis, "Study on Cotton Seeds: with special reference to loss of seed viability due to Fungal action and (2) Action of Fungicides on longevity of Cotton seeds."
14. Mr. K. Chandran, B. V. Sc., for his thesis, "Isoleucine in Nutrition with special reference to Haemopoises."
15. Mr. T. M. Mahadevan, B.Sc. (Hons.), for his thesis, "Geology in the neighbourhood of Periakulam, Madura District."
16. Miss Ratnabai Arulanathan, B.Sc., for her thesis, "The Supplementary Effect of Vitamins and Calcium with the poor rice diet with reference to growth, the Osseous system and the occurrence of paralysis in young albino rats."

APPENDIX D.

Reports on the Work of Teaching and Research Departments.

DEPARTMENT OF ECONOMICS.

1. Dr. R. Balakrishna, was confirmed in his appointment as Professor from 2-11-49. Dr. R. N. Poduval, continued as Reader and Mr. C. W. B. Zacharias as Lecturer respectively.

2. The Professor continued his work on the problem of restoring economic stability in India and the world at large. He made it the theme of his endowment lectures to the Mysore University. A few papers were also prepared having a direct bearing on the subject. The allied problems of the World Trade Charter and the fiscal policy for India were also investigated. In that context the elaborate questionnaire issued by the Fiscal Commission was answered by him.

The following papers were published :—

1. Economic Recovery ('Commerce', Bombay, Annual Number, January 1949).
2. Planning in War and Peace ('Business Week', Madras, April 1949.)
3. Sales Tax in Madras ('Commerce', Bombay, May 1949.)

The main preoccupation of the Reader was his book on the Finances of the Government of India since 1937. He also investigated the problem of India's foreign trade in view of her balance of payments difficulties. A paper on the subject has been prepared and two endowment lectures are under preparation.

Two papers on:

"India and the International Monetary Fund" and "The Reserve Bank of India" were published during the year.

The Lecturer was mainly interested in the investigation of agricultural economic problems with special reference to the Madras Province. His book on the subject, under preparation, has made considerable progress. He also studied the problem of inflation in India and has contributed some papers on the subject.

Lectures and Conference :

The Professor delivered two Inter-Collegiate lectures on "Economic Planning". He attended as a delegate the All-India Economic Conference held at Hyderabad and presented a paper on the "Budgetary Scope of Planning in Madras". He also delivered a few public lectures during the year.

The Reader delivered two Inter-Collegiate lectures on the Tax Structure in India. He attended as a delegate the All-India Economic Conference at Hyderabad and presented a paper on "Budgeting for Full Employment". He also delivered a few public lectures.

The Lecturer delivered two Inter-Collegiate lectures on "Inflation and its Control". He delivered two lectures on Rural Economics to the Social Service Training students of the Queen Mary's College. A few public lectures were also delivered by him.

Guidance of Research Students :

The Department has at present the full complement of fifteen students, eight fresh students having joined during the academic year. Five of them are stipendiary and the others are working as non-stipendiary students. Each of member of the staff is supervising the work of five research students. All the students made good progress.

Some of them were awarded degrees and others are awaiting results.

Teaching work and Diploma Classes :

The Professor delivered four lectures a week, two to the B.Sc. (Tech.) students at the College of Technology, one to the Diploma Class in Politics and Public Administration and one to the Diploma Class in Journalism. The Reader delivered three lectures a week to the Diploma classes in Economics and in Politics and Public Administration. The Lecturer delivered two lectures a week to the Diploma students in Economics.

The administration of the Diploma course in Journalism was under the Professor of Economics. Eleven students joined the course which commenced in January 1949. All of them have sent up their applications for the ensuing examination in January 1950. A special feature of the year is the appointment of an Instructor in Shorthand for the class. Last year eight candidates appeared for the examination and two qualified for the Diploma. Among the others 4 completed the course except for Shorthand and/or Typewriting.

For the Diploma course for Economics there are 3 students in the I year and 12 students in the II year. Two students have joined the course for Statistics only.

One candidate appeared for the Diploma examination in 1949 and passed.

The Professor continued to be the Editor of the Journal of the Madras University (Humanities) and his term has been extended to the end of 1951. The combined January and July Number for 1948 was published by the end of the year.

A fresh quinquennial scheme of research work for the department was prepared by the Professor and submitted for approval.

DEPARTMENT OF INDIAN HISTORY AND ARCHAEOLOGY.

Sri. V. R. Ramachandra Dikshitar, Dr. T. V. Mahalingam, and Dr. M. Arokiaswami, continued as Professor, Reader and Lecturer respectively.

Professor :

The work on Gupta Polity has been completed and the press copy of the work is ready for publication and the work on South Indian History from the earliest times to the present day has been taken on hand. He guided the work of Research students in the department as usual. The *Tirukkural* with English translation and transliterated text has been published.

The following papers were published :

1. Historical Material in the Brhadaranyakopanisad. (Kalyan).
2. Ahimsa or Non-Violence (Saiva Siddhanta Publishing House).
3. Life in Ancient Andhradesa (Indian Republic).
4. King Adhirajendra (Indian History Congress, Bombay).

Reader :

The work on 'South Indian Polity through the Ages' was continued. Four chapters of this work have been completed. Lectures on British Indian Administration were given to the Diploma students in Politics and Public Administration. He delivered Inter-Collegiate lectures on South Indian History to the History Honours students of the city colleges.

The following two papers were published :

1. Pasupatas in S. India (Journal of Indian History).

2. Ramappayan Ammanai (Indian History Congress, Bombay).

Five Papers are awaiting publication.

Lecturer :

The Lecturer continued reading literature on the subject of his study "History and Spread of Christianity in South India" and has been collecting materials for it. He delivered two lectures every week to the Honours students in Islamic History and Culture 'on the Bahmani Kingdom and Mughal Administration.'

Four papers are awaiting publication.

There were five stipendiary students in the Department during the year and two non-stipendiary workers. The term of one expired in August. Two are fresh students enrolled in August.

DEPARTMENT OF GEOGRAPHY.

Dr. George Kuriyan, B.A., B.Sc., Ph.D. (London) was Senior Lecturer in Geography till 1-4-1949. He was promoted as Reader in Geography on 1-4-49 and as Professor of Geography on 24-10-1949. Sri V. Kalyanasundaram, M.A., L.T., (Diploma in Geography), Junior Lecturer in Geography was on leave from 13-3-1949 for eight months. He is now Assistant Director of the Bureau of Mines, New Delhi with a lien on his appointment.

The B.A., and B.Sc. Honours Classes in Geography were conducted during the year 1948-49 on a co-operative basis, Vivekananda College, Queen Mary's College, and the University Department of Geography being the three participating units. Since July 1949 Presidency College also has joined this co-operative scheme. The admission of candidates to the III Honours classes in

Geography was made in July; four students being admitted by each of the four participating units. Four others were also admitted to the IV Hons. as Post-Graduate Students by the University. The IV Honours classes commenced on the 18th July and the III Honours classes on the 1st August 1949.

Till March 1949 the Geography Diploma classes were also conducted in the evenings as in previous years. Of the eight students who joined the course in July 1948, six appeared for the examination, all of whom passed. The Diploma Course in Geography has now been suspended.

The Professor continued to be in charge of the Departmental Libraries as Honorary Librarian.

Teaching Work :

Professor :

1. Had six hours of lectures and two hours of practical for the Diploma classes every week (January to March 1949).
2. Had twelve hours of lectures for the Honours classes every week.
3. The Honours students were taken to Alinjivakkam, one mile from Red Hills, for Field Work in December 1949.

Lecturer :

1. Had six hours of lectures and two hours of practical for the Diploma Classes every week (January to March 1949).
2. Two hours of lectures to the Chemical Engineering students at the Alagappa Chettiar College of Technology (January to March 1949).
3. The Diploma students were taken to Taramani on 22-1-1949 for their field work.

DEPARTMENT OF INDIAN PHILOSOPHY.

Dr. T. M. P. Mahadevan, the Head of the Department was away in America on a study tour till August 19, 1949. He was promoted Reader with effect from 24th October 1949.

Mr. V. A. Devasenapathi, Research Fellow, was awarded the Ph. D. Degree for his thesis on "Saiva Siddhanta as expounded in the Sivagnana-siddhiyar and its six commentaries".

Mr. S. M. Sreenivasachar, a former research student, was awarded the Ph. D. Degree for his thesis 'A Study of Śatadūṣaṇi".

The undermentioned papers were published by the Reader:

1. Philosophy and Philosophers (The Aryan Path, September 1949).
2. The Path of Soul Evolution (The Aryan Path, October 1949).
3. Indian Philosophy and the West (Proceedings of the Indian Philosophical Congress for 1949, Part II).

PUBLIC ADMINISTRATION

Mr. R. Bhaskaran continued to be Reader and Head of the Department.

1. The Reader submitted a paper on "The Constitutional State and Liberal Idealism To-day" to the 11th Annual Conference of the Political Science Association held in January 1949 at Nagpur. He was elected Local Secretary to the 12th Annual Conference which was held in Madras on the invitation of the University, on December 29, 30 and 31, 1949. Besides organising the Conference he submitted three papers and participated in the discussions thereon. The papers were (1) The Civil Service and the New Constitution, (2) A New Political Party for India, and (3) The roots of Hindu Political Theory. Other papers published during the year were (1) Religion and Contemporary Political Problems (read to the Cultural Association of India and published in Sai Sudda) and (2) The Constitutional Problems of Free India (Abdur Rahman Memorial Volume).

2. A scheme of reorganization of the syllabuses of the Diploma Course in Politics and Public Administration was completed and submitted to the Board of Studies in History and Politics and approved by the Board. This is under consideration of the University Authorities.

3. The Reader was nominated Convener of a Committee of the Board of Studies in History and Politics to examine B.A. and B.A. (Hons.) courses in History and Politics and suggest necessary changes.

4. The programmes and studies of stipendiary and non-stipendiary research students were planned and supervised and the reports and thesis submitted were read and revised.

5. Two lectures per week on Political Science and two on Public Administration were delivered to the Diploma Classes. Three lectures per week on Political Theory were delivered to the Political Science Honours students (final year) of Presidency College. A course of twelve lectures on Modern Constitution was delivered to the students of the Diploma Class in Journalism.

Research Fellow and Students:

Mr. V. Venkata Rao, Research Fellow, completed his thesis on "The Administration of District Boards in the

Madras Presidency" and submitted it for the D. Litt. Degree in August 1949. He presented a paper on "The Preamble of the Indian Constitution" to the 12th Annual Conference of the Indian Political Science Association. He is continuing as a non-stipendiary student.

Miss Lizzy Jesudasan who sub nitted a revised thesis on Public Health Administration, was admitted to the M.Litt. Degree.

Two stipendiary students who completed their term are getting ready their theses. Two have joined the Department in July as probationary research students. Three non-stipendiary students are also working in the Department.

DEPARTMENT OF PSYCHOLOGY.

Dr. G. D Boaz continued to be the Reader and Head of the Department. During the latter half of the year from July to the end of November, the Reader was on leave touring in the U.S.A. on a Fellowship from the United Nations observing psychological clinics, psychology departments of various Universities, special schools for handicapped children, etc. This Department was made a separate Department of the University from this year.

One research fellow and two research scholars were working in the Department. The former was studying "The Negativistic Phase in the Development of Children" and the latter two "The problem of Mental Hygiene in Schools" and "Some developmental problems relating to the adolescent."

One M. Ed. student also was working for the thesis on 'The Problem of Discipline and Order in some Madras Schools' under the supervision of the Reader.

During the first half of the year the Reader was taking the lecture and practical classes in Educational Psychology for the M. Ed. students. From July till the return of the Reader from leave Dr. (Miss) Forrester conducted the classes for the M. Ed. students.

The Reader has been collecting material for two books, one on 'Child Psychology' and another on 'Abnormal Psychology.'

During the period under report the Reader has also published a book containing his weekly articles, entitled "Know Your Mind."

DEPARTMENT OF MATHEMATICS.

Dr. R. Vaidyanathaswami continued to be the Head of the Department and was promoted Professor during the year with retrospective effect from 1st April 1948. He retired on the 24th October 1949 on attaining the age of 55 but was reappointed for a period of two years on a short term contract.

Dr. M. Venkataraman was appointed temporary Assistant in the department and he joined duty on 9th December 1949.

The M.Sc. course in Mathematics was inaugurated in October and there are 11 candidates on the rolls. At present teaching is confined to M.Sc. I (Topology, Function-Spaces, Theory of Probability and Principles of Quantum-Mechanics). It is proposed to teach also M.Sc. II (Modern Algebra, Theory of Group-Characters, Quantum Mechanics and Foundations of Projective Geometry) next year with the co-operation of Professors of Honours colleges.

The Professor was engaged in the guidance of Sry. M. Suseela in the preparation of her thesis 'On Foundations of Projective Geometry' and preparation for M.Sc. subjects.

Three Stipendiary students were working in the Department.

DEPARTMENT OF STATISTICS.

Sri D. V. Rajalakshman, M.A., M.Sc. continued to be the Lecturer.

Research work:

One of the aspects on which work in the Department during this year has been conducted is on sample studies for normal and non-normal Universes.

A paper on the application of maximum likelihood to factor analysis was read at the 31st session of the Indian Science Congress at Poona.

At present work is in progress on the study of the applications of factor analysis to non-normal data and the theory of accidents.

Work on the analysis of time-series is also being continued in the Department. The aspect of studying trends and fluctuations in the volume of import trade has been taken up by a research student. Among other economic time series those of prices have been taken up for a detailed analysis.

The Lecturer published a paper on 'Population Census' and completed a paper on " the Statistical Study of half-a-century of the co-operative movement in India."

Lectures given and Conferences attended:

(i) During the year four Inter-Collegiate lectures were given by the Lecturer on 'The Design of Experiments.'

(ii) The Lecturer has been giving special lectures for two hours every week on Statistical Method with special reference to Industry to B.Sc. (Tech.) Textile students.

(iii) The 16th Conference of the Indian Mathematical Society was held from 26th to 29th December 1949 at Madras on the invitation of the University of Madras. The Lecturer was the Local Secretary for the Conference. He read a paper in the Statistics section.

Research Students:

Of the four research students working in the Department, two of them left the Department as they were able to secure appointments as statisticians. Of the remaining two students, Mr. N. C. Chakravarti was selected as a probationary student in October 1949 for the award of studentship and Mr. O. Suryanarayana is continuing as a non-stipendiary worker.

Mr. N. C. Chakravarti is continuing the work on factor analysis and its application. Mr. O. Suryanarayana has been studying the theoretical developments in time-series analysis. Both these students have registered for the M.Sc. Degree in January 1949.

Diploma classes:

The Diploma courses in Statistics continued to be under the supervision of the Lecturer in Statistics. 41 students have been admitted in the Junior class in

July 1949 and 31 continued in the senior class during the academic year 1949–50.

Of the 22 students that completed the Diploma Course in Statistics in April 1949, 16 sat for the examination in July 1949. Of them 15 were declared qualified.

The Lecturer is taking also a class on Elements of Statistics for the Diploma course in Economics.

Other items:

The Lecturer assisted research workers of other research departments in the collection, analysis and interpretation of data. The Department is undertaking the study of current economic problems involving the analysis of statistical data and preparation of papers.

DEPARTMENT OF BIOCHEMISTRY.

Dr. B. B. Dey relinquished his appointment as Acting Director in July 1949 when Dr. P. S. Sarma took charge as Director (Reader). Dr. A. Narayanaswami continued as Research Assistant.

The following Works are in Progress:

(*a*) The distribution of hydroxylysine in proteins, its chemical structure and its metabolic role.

(*b*) The iodination of peptones: isolation and characterization of thyroxine peptides.

(*c*) The chemistry of insulin: the physiological activity of the chemically modified protein.

(*d*) Comparative studies on the metabolic breakdown of A. T. P. in the liver of rodents, mammals and primates.

(*e*) The growth-promoting factor in summer butter and its relation to the grass juice factor: the alleged identity of the former with

vaccenic acid and standardisation of methods of chemical assay of vaccenic acid.

(*f*) The role of inositol in the amylolytic activity of the pancreas: changes of amylase content of the pancreas in inositol deficiency.

(*g*) The metabolic relationship between nicotinic acid and tryptophane in animals and germinating seedlings.

(*h*) Tryptophane metabolisam in B_6 deficient rice moth larvae (Corcyra cephalonica St.)

(*i*) Biotin excretion in pellagrous dermatitis.

Five other investigations have been completed and are in the process of publication or are yet to be published.

Theses from the department accepted for the award of Research degrees during the year are detailed below:

(i) Ph.D. Degree ... 'Protein structure: The properties and aminoacid composition of shark ray collagen'. (submitted by Mr. A. Narayanaswamy)

(ii) M.Sc. Degree ...
- (*a*) 'Studies on the hydrolysis of Starch' (submitted by Mr. R. Viswanathan).
- (*b*) 'Fractionation of kidney proteins and physiological activity of crude renin' (submitted by Dr. N. Verghese).
- (*c*) 'Isoleucine in Nutrition with special reference to Haemopoiesis'. (submitted by Mr. K. Chandran)

A course of six lectures on the 'Physiological Role of the Vitamins' was given during the months of November and December.

There are ten research workers in the Department including one Lady Tata Research scholar working on the protein constituents of the seeds of *Ricinus communis*.

DEPARTMENT OF BOTANY.

Dr. T. S. Sadasivan, M.Sc., Ph.D., (London), F.A.Sc., F. N. A. Sc. continued as Director (Professor). The post of Research Assistant was vacant during the year.

The total number of students at the beginning of the calendar year were fourteen. Of these Sri B. W. X. Ponnaiya, B.Sc. (Ag.), who was on deputation from the Provincial Department of Agriculture left this department on completion of his work and after qualifying for M.Sc. Miss T. S. Sarojini, B.Sc. (Hons.), joined the staff of the Women's Christian College, Madras, on completion of her work. She has qualified for Ph.D. Degree. Sri S. Venugopal, B.Sc., joined the Agricultural Research Institute as a lecturing Assistant in Entomology. At the beginning of the academic year four full-time and one part-time research students were admitted, and at the time of report the total strength is 14 research workers, of whom four have Fellowships (two I.C.I. Fellowships and one each of Madras University and the Indian Coffee Board Fellowships), one Cochin State Scholar, six stipendiary, two non-stipendiary and one part-time research worker.

Six students of the department submitted theses for research degrees, two for M.Sc. and four for Ph.D. Four were awarded their respective degrees and the results of two for Ph.D. are awaited.

The Director delivered 24 Inter-Collegiate Lectures and organised practicals in the subject of Plant Pathology.

Research work:

The Director has reported as follows on the Research Activities of the Department.—"The laboratory continued its investigations on Soil Mycology and general Plant Pathology. Cotton, paddy and pigeonpea were the three main field crops which were studied intensively for the growth and disease incidence both in pot and experimental plot trials. In the year under report the soil survey work on wilt infected areas in the Districts of Coimbatore, Mathurai and Tirunelveli were intensified and elaborated both to include large number of fields as well as seasonal studies on the micro-ecological variations of the Soil Fungi. These fungi are being classified as regards their parasitic and saprophytic activity, disease incidence and their response on soils to the amendment of micro-and macro-nutrient elements. These studies primarily aim at, for the first time in India, on the probable Control of Wilt Diseases by Fungi on field crops by inorganic and organic chemical treatments of the Soils.

The important results obtained during the year are worthy of mention as under :—

1. The role of trace element in fungal metabolism particularly, *Fusarium vasinfectum*, *F. moniliforme* and *F. udum* having been established earlier in this laboratory, the work during the year was concentrated on the Saprophytic activity of these Soil Fungi in the presence of various trace elements such as Molybdenum, Zinc, Boron, Manganese, Rubidium, Cobalt, Nickel, Aluminium, Lithium, Vanadium, Thorium, Uranium and Cadmium. The importance of these elements as antisporulators and depressors of saprophytic activity is now established.

2. The importance of trace elements in the control of soil-borne fungial wilt infections in the case of the lentil 'pigeon-pea' and paddy have been successfully demonstrated. Manganese is considered as an important depressor of wilt in the case of pigeon-pea and similarly zinc in paddy. These results have obvious applications in the field.

3. The technique of biological control of soil-borne fungial wilt infections of plants by the use of specific soil bacterial isolates is being pursued and preliminary investigations show that certain bacterial strains and their toxins are capable of controlling wilt. Further investigations on these lines are in progress.

4. Recent work in this laboratory has shown that the reports of the fungus *Fusarium vasinfectum* as being the primary cause of wilt in cotton in South India in the black cotton soils of the Udamalpet and Kovilpatti areas whilst being acceptable, the occurrence of *Fusarium solani* var. *Martii* as one of the important additional causal agents on cotton infections is now established in this laboratory. This work is of considerable significance and when collated with the results of the investigations on the *Fusarium* nomenclature and their specific identifications (systematics) in relation to (*a*) their occurrence and distribution in cotton soils and (*b*) their pathogenic activity on cotton, done under the auspices of the I.C.I. Fellowship would throw considerable light on this vexed field problem.

One other direction of the activities of the Department is a study of the Algal floras of South India. This year has seen the publication of the life-histories of some of the important Red algae of South India *viz.*, *Polysiphonia* and *Grateloupia*. The marine algal flora of South India is being worked out in detail with special reference to the three classes, Chlorophyceae, Phaeophyceae and Rhodophyceae. Ecological study of stream algae is carried out

for the first time under the auspices of the I.C.I. Fellowship."

The undermentioned papers were published during the year:

Trace element nutrition of Fungi I. The effects of Boron, Zinc and Manganese on *Fusarium* species, by *Miss L. Yogeswari*. Proc. Indian Acad. Sci. Vol. *28*, No. 6, 177–201, 1948 (Jan. 1949).

Morphology and Cytology of *Polysiphonia platycarpa* Boergs. (Prel. note) *Prof. M.O.P. Iyengar and M. S. Balakrishnan*, Proc. Indian Acad. Sci. Vol. *29*, No. 3, 1949. p. 105–108.

The Developmental Morphology and Cytology of *Grateloupia lithophila*. *Sri M. S. Balakrishnan*, Journ. Ind. Bot. Soc. Vol. *28*, No. 4, 205–212, 1949.

DEPARTMENT OF ZOOLOGY.

Dr. C. P. Gnanamuthu, M.A., D.Sc., the Director, was promoted to the grade of Professor. Mrs. F. G. Abraham, M.Sc., continued as Research Assistant.

The Department of Central Marine Fisheries accommodated in the Laboratory since 1947, shifted to Mandapam on 3rd September '49.

Miss C. K. Subhapradha was awarded the M.Sc. Degree for her thesis "Helminths of Fishes". Mrs. Seetha, as well as Messrs. S. Krishnaswamy, P. Vijayaraghavan, M. J. George and J. Cyril Daniel have submitted their theses for the M.Sc. Degree in August.

The investigations carried on during the year by the staff and students have been in Marine biology. The Director was engaged on the Taxonomy, Anatomy, Development and Physiology of Copepod parasites. The Research Assistant continued her studies on the Parasitic Isopods of Madras.

The research workers were working on other allied subjects.

The following Works were published by the Department:

Two dichelesthid copepods from South India—Parasitology, Molteno Institute, Cambridge.

Two male parasitic copepods from Madras—Ann. Mag. Nat. Hist.—London. Ser. 12. Vol. II, p. 359. 1949.

Notes on life-history of Moniliformis—Current Science—Bangalore.

Early stage, in the development of Sacculina--Proc. Ind. Academy of Science, Vol. 30. 1949.

Encrusting foraminifera--Madras University Journal.

Stages in the development of Tornaria krohni--Madras University Journal.

Fat deposition in the rainbow sardine—Madras University Journal.

Stages in the development of Macrosetella gracilis—March.

A course of over 12 lectures on Invertebrate Embryology was given to the Honours and Post-Graduate students of the Presidency and the Christian colleges along with a number of practical demonstrations.

The year started with 11 students of whom six were stipendiaries. In August, three students who had submitted their theses for M. Sc. left and 6 non-stipendiary students were admitted making a total of 14 in the department, at the close of the year. Of these six have registered for M.Sc., and five for Ph.D.

DEPARTMENT OF ANTHROPOLOGY.

Sri L. A. Krishna Iyer, M.A. continued to be the Lecturer till the end of the academic year. Dr. U. R. Ehrenfels, Ph.D., joined the Department as Lecturer on the 2nd July 1949.

Certificate and Diploma Courses :

Three lectures a week were delivered to the students undergoing training in Social and Cultural Anthropology.

Three lectures a week were delivered to the second year Diploma students in Physical Anthropology and Pre-history. The four students who had attended the first year course in Social Anthropology in 1948–1949 joined the second year course in July 1949. The Lecturer is being assisted by Dr. A. Ananthanarayana Aiyer, Principal Stanley Medical College, Madras, with 12 lectures on Comparative Anatomy of man and anthropoid apes and 12 lectures by Dr. A. Aiyappan, Superintendent, Government Museum, on Prehistoric Archaeology.

Research work in the cultural history of matrilineal civilizations of South India and their relation to other matrilineal groups in India have been conducted and preparations have been made for field-researches among the Khasis of Assam in this connection. A grant for these

field researches has been received by the Lecturer, from the Viking-Fund in New York.

Research work in Physical Anthropology with special regard to the human hand has been prepared for experimental tests and the co-operation of Professor A. A. Aiyer has been secured.

Publications :

A series of 12 articles on various Aspects of South Indian Cultural History has been published in "The Hindu", Madras.

Lectures :

A course of 6 departmental lectures were delivered, on *Culture-Patterns and Environment*, during November and December 1949.

Inaugural lectures have been given, between July and December 1949, on Anthropology and its connection with the special subject in five constituent colleges and two other Associations.

DEPARTMENT OF TECHNOLOGY.

Alagappa Chettiar College of Technology, Guindy (University of Madras)

Chemical Engineering:

Director—Professor:

Dr. M. A. Govinda Rau, M.A., Ph.D. (Lond.).

Reader in Engineering:

Sri V. S. Jayaraman, B.E.

Reader in Chemical Technology:

Sri A. P. Madhavan Nair, M.A.

Junior Lecturers:

Sri P. B. Janardhan, B.Sc. (Hons.).
Sri P. Murugamanickam, B.E.
Sri B. Chennakesavan, B.Sc. (Hons.) (Tech.)

Demonstrators:

Sri P. S. Nagasundaram, B.Sc., B.Sc. (Tech.)
Sri K. Chandrasekharan, B.Sc. (Hons.), B.Sc. (Tech.)
Sri D. P. Kannayya Pillai, B.Sc., B.Sc. (Tech.)
Sri S. Venkataraman, B.Sc. B.Sc., (Tech.).

Textile Technology:

Hony. Professor in Textile Technology:

Mr. D. M. Amalsad, A.M.C.T.

Jr. Lecturers in Spinning and Weaving:

Mr. Raffiudin Ahamad Quraishi, B.Sc., B.Sc. (Tech.)
Sri S. Krishnamurti, B.Sc., B.Sc. (Tech.)

Leather Technology:

Hony. Professor in Leather Technology:

Sri K. Seshachalam Chowdary, M.A., M.Sc., A.I.C.

Assistant in Leather Technology:

Sri Mathew C. Elanjikkal, B.Sc., B.Sc. (Tech.)

Tanning Instructor:

Sri K. Rajabather.

During the year under report Dr. M. A. Govinda Rau was appointed Director and Messrs. V. S. Jayaraman and A. P. Madhavan Nair as Readers. A fresh post of Reader in Chemical Engineering was sanctioned and Dr. G. S.

Laddha has been appointed. An additional Demonstrator's post was also sanctioned.

Mr. Muhammad Ibrahim, B.A., B.Sc. (Tech.), Demonstrator left the College to take up his new appointment as Inspector of Factories under the Government of Madras.

The lectures and practical classes were conducted as hitherto with the facilities available in the temporary location in the Hostel Block A, and the laboratories of our College, the Engineering College and the Govt. Institutes of Leather and Textile Technology at Washermanpet. With the kind permission of the Government, the staff of the Government Textile Institute continued to assist in the conduct of the textile classes.

Sri P. Dorai Babu, Lecturer in Geology, College of Engineering, Guindy was appointed to give lectures on Industrial Geology.

Lectures in Statistical Methods were given by the Lecturer in Statistics in the University Buildings.

Results in B.Sc. (Tech.) examinations of 1949 were:

	No. appeared. Part I	No. Passed. Part I	No. appeared. Part II	No. Passed Part II
Chemical Engineering	20	12	19	16
Textile Technology.	10	4	11	10
Leather Technology.	8	5	8	8

Fresh admissions to the Chemical Engineering and Textile Sections were increased this year in accordance with the conditions of a grant made by the Government of India to this College. The strength in the various B.Sc. (Tech.) classes at the end of the year is as follows:

	I Year.	II Year.
Chemical Engineering	23	17
Textile Technology.	10	7
Leather Technology.	8	8

185 books and 193 back volumes of periodicals were added to the College Library. 45 current journals in Science and Technology are being subscribed for the College Library.

The New Technology Buildings are almost completed, furnished and fitted up with necessary services.

Work on the construction of buildings for Kitchen and Dining Halls for the Hostel is now being taken up.

A number of local visits to factories and other Institutions were arranged. The annual industrial tour for the 2nd year students covered this year, factories in Mysore area and in Bombay. These educational tours for the study of Industrial practices in India are conducted by the Lecturer and have been systematised with preparations and reports to be made by the students.

Assignments were made for the practical factory training for the students who have completed their courses in the following factories, to whom the University expresses its thanks.

Fertilisers & Chemicals Ltd., Alwaye; Travancore Rayons, Perumbavoor; Mettur Chemicals & Industrial Corporation Ltd., Mettur Dam; Mysore Chemicals & Fertilisers, Belagula; Mysore Sugar Factory, Mandya; Associated Cement Co., Madukkarai; Hyderabad Chemicals & Fertilisers Ltd.; Tata Iron & Steel Works, Jamshedpur; Buckingham and Carnatic Mills; Textile Mills at Coimbatore; etc.

Research:

K. Chandrasekharan & Dr. M. A. Govinda Rau.

The first stage of the investigation into "Kinetics of absorption of carbon dioxide by alkali solutions" has been completed and a thesis for the Degree of M.Sc. (Tech.) has been submitted to the University by Mr. Chandrasekharan.

A report has been prepared on absorption accompanied by Chemical Reactions "in liquid systems". This has been forwarded to the Indian Institute of Chemical Engineers for publication.

P. S. Nagasundaram & Dr. M. A. Govinda Rau:

Work on the sedimentation analysis with use of supercentrifuge has been continued. A preliminary report has been forwarded for discussion at the Bombay sessions of the Institute of Chemical Engineers.

P. B. Janardhan:

Has (i) completed an investigation on "the purification of commercial stearic acid and a paper on the same is in the Press.

(ii) A comprehensive report on "Detergency" and synthetic detergents is ready for publication.

(iii) An investigation on "a new method of preparing long chain alkyl nitriles" has been completed and work is ready for publication.

D. P. Kannayya and P. B. Janardhan:

Further work on "studies in the dehydration of castor oil" is in progress.

V. S. Jayaraman:

A paper on "Design and Construction of Rotary kilns" has been forwarded to the Bombay session of the Indian Institute of Chemical Engineers.

The Director served as a member of various technical Committees outside the Madras University including (*a*) Special Committee for Chemical Engineering of the All India Council for Technical Education, Delhi. (*b*) Committee to report to the Government of India on Chemical

Engineering graduate degree courses given at the College of Engineering & Technology, Jadavpur, Calcutta. (*c*) Special Committee for reorganising the Chemical Engineering course for the B.E. Degree of Mysore University. He also delivered three lectures on different technical topics in other local institutions.

Association of Technologists:—The three branches of this Association in Chemical Engineering, Textile Technology and Leather Technology held several meetings at which reports prepared by the students on assigned topics were presented and discussed. Many distinguished Industrialists and administrators addressed the students. Among the visitors to the College who addressed the association in the year under report are Sir C. V. Raman, Sir K. S. Krishnan, Sri D. M. Kothari, Mr. Seshasayee, The Honourable Sri K. Madhava Menon, Prof. Hugh Griffiths (President of the Institute of Chemical Engineers, England), Sir Alfred Egerton (Secretary, Royal Society), Dr. K. Venkataraman, etc.

DEPARTMENT OF SANSKRIT.

Dr. C. Kunhan Raja, Dr. V. Raghavan and Sri Subrahmanya Sastri continued as Professor, Senior and Junior Lecturers respectively in the Department.

Professor:

Comparison of the Samaveda Commentaries with the manuscripts continued; it is expected to complete the comparison by the end of the academic year.

Comparison of the two Madhava Commentaries on the Rigveda; this work too will continue till the end of the academic year.

Completed preparing a History of Vedic and Classical Sanskrit. The matter will be revised during the academic year, and put into final shape.

Conducted Classes for the Final Year Sanskrit Honours Students.

Study on metres continued; a paper on the subject was got ready for the Annals of Oriental Research, University of Madras, and another Paper was read at the All-India Oriental Conference.

Translation of the second chapter of Sangitaratnakara with Notes was completed; as soon as the printing of the third volume of the text is over, this will be taken up for printing.

Prepared Sangitaraja for the Press; the matter is being scrutinised and final copy will be prepared as soon as arrangements are made for publication.

Visited Nepal as a Member of the Scientific and Cultural Mission sent out by the Government of India, examined the State Library which has not been examined by any competent scholar till now; gave a scheme for the reorganisation of the Library, and also of the Sanskrit studies in the State. Studied the problem of the basis of Law in Hindu Jurisprudence and wrote a Paper in Sanskrit on the definition of Dharma in Mimamsa, and read it at the All-India Oriental Conference.

Collected information on the problem on Education in ancient India, and portions were written out in the form of two lectures delivered under the auspices of the University as Krishnaswami Rao Endowment lectures.

Attended the Conference of Language experts convened by the President of the Constituent Assembly to evolve a common vocabulary for the translation of the Constitution, into Indian languages; represented Sanskrit

in the Conference. The Conference sat in two sessions from 29th October to 2nd November and from 25th November to 1st December.

Wrote a critical introduction to a work on Alankara-sastra, published from the Adyar Library.

Supervised the work of the Research Student.

Senior Lecturer:

Volume I of the Catalogus Catalogorum was published.

Compilation of the material for the next volume under the long Ā has been completed, except for a few Jain and Buddhistic literature.

Critical edition of three texts with Introduction and Notes were prepared and their printing is being seen through:

i. Amaramandana of Krishna Suri; Bulletin of the Deccan College Post-graduate and Research Department, Poona.

ii. Sringaramanjari of Akbar Shah, Archaelogical Department of Hyderabad.

iii. Paryantapanchasika of Abhinavagupta; Annals of Oriental Research of the University of Madras.

Six Research Papers were prepared and sent to Research Journal Volumes and Oriental Conference.

Presided over the Classical Section of the Oriental Conference at Bombay, in November, 1949.

Junior Lecturer:

1. Bhattadipika of Khandadeva with Prabhavali of Sanbhubatta; Adhyayas 7, 8 and 9 complete—corrected and copy made ready for the Press.

2. Padarthatatvanirnaya of Anandanubhava with Anandagiri's Tika—corrected and copy made ready for the Press.

3. Nyayamala of Sivaditya; edition prepared with Introduction (to be published in the Annals of Oriental Research of the University of Madras.)

4. Nyayaratnadipavali of Anandanubhava edited with Introduction and notes—pp. 1 to 8; in the Advaita Sabha Journal, Kumbakonam.

5. Maneeshapanchakam with the commentary of Sadasivendra edited with an Introduction in the Advaita Sabha Journal, Kumbakonam.

Research Students:

One student worked in the Department till July 1949 and another student was taken in August.

DEPATMENT OF TAMIL.

Sri R. P. Sethu Pillai, B.A., B.L. and B. R. Purushothama Naidu, continued to be the Professor and Junior Lecturer respectively. Dr. M. Varadarajan, the Senior Lecturer resigned his appointment from July, 1949.

Professor :

The following Works are in Progress:

1. The Life and Work of Father Beschi (Viramamunivar).

2. A Monograph on Dr. G. U. Pope (Popaiyar).

3. A Short History of Tamil Literature.

Works completed in the course of publication and awaiting publication are given below :

Words and their significance.

Sollin Selvam (Romance of Words).

Comparative Vocabulary of the Dravidian Cognates (joint work of the Dravidian Departments).

On the Seashore—A collection of twenty literary essays contributed to the Tamil Magazine "Tamil Tenral."

The Professor is giving a course of lectures to the B.O.L. (Honours) students of Pachiyappa's College, Madras, on "Epic Literature."

He attended the All-India Oriental Conference held at Bombay during the first week of November 1949 and presided over the Dravidian Section of the Conference. A paper on "The Pandyan Dialect of Tamil" was read at the Conference.

He was appointed a member of the Language Experts Committee constituted by the Government of India to offer suggestions on the translation of the Technical terms occurring in the New Constitution of India, and attended two meetings thereof, one in October and the other in November 1949.

Junior Lecturer:

The free rendering of the First Ten of the Idu in Tamil was completed. It is being revised.

The Junior Lecturer gave lectures to the B.O.L. (Honours) Students on "Periyalwar."

The Department is closely following the five-year programme accepted by the Syndicate.

DEPARTMENT OF TELUGU.

Sri K. Ramakrishniah, M.A. continued to be Senior Lecturer till 30th June 1949.

Sri N. Venkata Rao, M.A., Junior Lecturer till 31st July, was appointed Senior Lecturer from 1st August 1949.

Works completed—Sri K. Ramakrisniah :

1. Nannaya's Contribution to Telugu Literature.
2. History of Philology with special reference to Telugu Grammar.
3. Gave lectures to B.O.L. Honours students in History of Language and Philology.

Sri N. Venkata Rao :

He took charge of the Department as Senior Lecturer on the 1st August 1949 and sent up his programme of work for the approval of the Syndicate.

During the course of the year he has completed:

(1) A Bibliography of Dvipada Kavya Literature in Telugu.

(2) Lives of a Dozen Dvipada Kavya poets, not found in Veeresalingam's Lives of the Poets.

He published critical articles in the Bharati on the following :

1. Veera Saiva Literature in Telugu.
2. Purva Sahitya Veedhulu.
3. Critical Notes on 25 standard works in Telugu Literature from 1,100 to 1,500 A.D.
4. Chronology of Telugu Poets—Inscriptional Evidences.

Kumara Sambhavamu of Nanni-choda-deva was published during the year.

The Lecturer is giving instructions to the B.O.L. Honours students twice a week, on (1) History of Language and Philology and (2) History of Literature and Literary Criticism.

He attended the All-India Oriental Conference held at Bombay in November 1949 as a delegate of the University and read two papers, one in the Dravidian Section and the other in Technical Scientific Section, which were highly appreciated. He also took part in the discussions of the several sections.

Summaries of four volumes of Mackenzie Manuscripts were completed and three fresh volumes were taken up.

DEPARTMENT OF KANNADA.

Sri M. Mariappa Bhat, M.A., L.T., continued as Senior Lecturer and Head of the Department and Sri M. Govinda Rao, M.A., B.O.L., as Junior Lecturer.

Senior Lecturer:

(1) Wrote out the Introduction to Mangaraja Nighantu with a historical survey of Abhidhana Literature in Kannada.

(2) Kannada Culture, as revealed from three sources, (i) Inscriptions, (ii) Indigenous or Desi words, and (iii) important classics. Wrote a thesis on the subject.

(3) Finished editing Chikupadhyaya's Rukmangadha Charite.

(4) Sangita-ratnakara, a rare Kannada manuscript was edited.

Contributed six papers to learned Journals.

Scrutinised and summarised four Kannada manuscripts of the Macknenzie Collections.

On an invitation from the Bombay Karnataka Research Institute, he delivered three lectures on Kannada Culture under the auspices of the Institute towards the end of March 1949.

In November, he attended the 15th session of the All-India Oriental Conference held at Bombay as a Delegate of the University and read two papers.

Two works are in the Press and three are awaiting publication.

Junior Lecturer:

(i) Completed the thesis on "Yakshagana Prabandha."

(ii) Finished writing a critical work on "A Comparative Study of Jagannatha Vijaya" and the "Story of Sri Krishna in Chikupadhyaya's Vishnupurana."

(iii) Gathered information on the following Haridasa poets for a thesis on "Haridasa Literature" in Kannada.

(1) Vyasa Raya, (2) Vadiraja, and (3) Kanakadasa.

(iv) Made a detailed study of Folk Literature of Karnataka with special reference to Folk Dramas.

Perused three manuscripts of the Mackenzie Collections and wrote out summaries of historical material contained in them.

Contributed five articles to various journals.

DEPARTMENT OF MALAYALAM.

Dr. C. Achyuta Menon, B.A., Ph.D., (Lond.) continued to be the Reader and Head of the Department. and Sri. S. Krishnan Nayar, B.O.L., Junior Lecturer.

Reader :

The Reader opened the All-Kerala Literary Conference held at Nileshwar in April, to which he was deputed as a Delegate of the University.

He also presided over the session of the Art Festival organised at the Government Brennen College, Tellicherry, in February, and delivered a lecture on "Kathakali, its New Phase."

He attended two sessions of the Conference of Language Experts at Delhi at the invitation of the President of the Constituent Assembly, to discuss the common terms, administrative and legal, to be used in the translation of the Indian Constitution into the main languages of India and also the Oriental Conference held at Bombay in November and presented a paper on the "Flying Dance of Kerala" at the Dravidian Section.

The following lectures were delivered by the Reader:

(*a*) Three Special Lectures at the invitation of the Annamalai University on the Histrionic Art, of Kerala—the Cultural Background and Kathakali.

(*b*) The Chattukkutty Memorial Lectures at Maharaja's College, Ernakulam on "Sasta Cult" in Kerala.

(*c*) University Extension Lectures on Kuncan Nambiyar and Vallathole—The Poet—The Satirist.

(*d*) The Scope of Research in Malayalam at a special meeting of the Government Oriental Manuscripts Library Associatian at Trivandrum.

Ten papers were contributed to learned journals.

Research work was continued on :

(i) The Nayars and their Institutions.

(ii) Snake Cult.

(iii) Beginnings of early Malayalam (joint work.)

Ballads of North Malabar, Vol. II, is under print,

Junior Lecturer :

Research was carried on the undermentioned subjects:—

(1) Folk Arts and Literature of Kerala—(Folk dance and drama only)—More materials on folk-dramas and dances were collected particularly of nine types and notes prepared on three types.

(2) History and Development of Humour in Malayalam Literature—Theories on the Origin of Humour, expounded by the Western scholars were studied.

Seven papers were contributed to learned journals.

Mr. K. V. Iswara Varier, research student, submitted his final report on 'Unnayi Variar and His Works' in Stepember 1949.

DEPARTMENT OF ARABIC, PERSIAN AND URDU.

Dr. S. Muhammad Husain Nainar continued as Reader, and Mr. A. H. Syed Ushaw, B.A. as Junior Lecturer in Persian.

Mr. Mohmmad Yousuf Kokan, appointed in the place of Muhammad Husayn Mahvi (retired), joined duty on 5-8-1949.

The Reader in Arabic completed the printing of the text of the translation of *Bahar-i-Azam Jahi—Sources of the History of the Nawwabs of the Carnatic, Part V.* The volume will be published after the index, glossary and introduction are printed.

He was engaged in collecting materials for the preparation of *Biography of Tamil Muslim Poets* who contributed to the Tamil literature and attempted to bring about a fusion between the Dravidian and Islamic cultures.

The Junior Lecturer in Persian was engaged in preparing a press copy of *Shigarf-Nama-i-Wilayat.* Copied pp. 1-220.

Wrote an Introduction to the work: *Tarikh-i-Shah Jahan.*

Junior Lecturer in Urdu:—Mr. Muhammad Husayn Mahvi completed the preparation of the press copy of *Dalil-al-Shura* by the end of April 1949.

Mr. Kokan is engaged in preparing a press copy of *Kitab-al-Rasail*: Copied 156 pages so far.

He was engaged in writing a paper on Mawalana Baqir Agah.

DEPARTMENT OF INDIAN MUSIC.

Sri P. Sambamoorthy, B.A., B.L., Senior Lecturer, was the head of the Department. Sri M. Udayavarma Raja, Sri Kalidoss Nilakanta Iyer and Sri Madura Subrahmania Iyer, were assistants in Veena, Vocal and Violin respectively during the year.

The Senior Lecturer was permitted to take up the post of Part-time Special Officer to organise the Central College of Karnataka Music, Madras which he held from the 16th March 1949 to the 10th of August 1949 till the completion of the work. Subsequently he was permitted to take up the post of Part-time Professor of Musicology in the above college. He took charge of this post on the 19th October 1949.

Research work of Senior Lecturer on Theory and History of Music:

1. Dictionary of South Indian Music and Musicians:– Further technical terms and additional details that have come to notice have been added at the appropriate places.

2. Perfected the musical instrument:—*Grāma-mūrchhanā-Pradarśini*. This is a device which helps students to understand easily the Grāma Mūrchhanā system of ancient music. The Dhruva-vina-chala-vina experiment described by Bharata can also be explained with this instrument.

3. Types of Mudras figuring in musical compositions.

4. Musical laws, facts and phenomena known to the musicologists of ancient and mediaeval times.

5. Mela Prastara: further possibilities.

Five articles and papers were contributed and two are awaiting publication.

The Lecturer attended the XV Session of the All-India Oriential Conference held in November in Bombay and read a Paper on "Musical laws, facts and phenomena known to the musicologists of ancient and mediaeval times" in the Fine Arts section of the conference.

A course of six Departmental lectures on the subject of "Mudras in Musical Compositions" was delivered in the months of January and February 1949.

He guided the work of the Research Fellow and the Research students working on various subjects and examined the periodical reports submitted by them.

Diploma classes:—There are 17 students in the First Year class and 17 students in the second year class for the Diploma in Indian Music.

Of the 17 students in the First year class, 15 have chosen vocal, one veena and one violin as their practical subjects. Four students are studying additional practical subjects, two veena; one violin and one vocal.

Of the 17 students in the second year class, 12 have chosen vocal, three violin and two veena as their practical subjects. Three students are studying additional practical subjects: one vocal, one violin and one veena.

Of the 11 candidates that sat for the Music Diploma examination in April, nine came out successful.

Research workers :

Sry. A. V. Kamala:

Subject: "Instruments used as accompaniments in ancient and mediaeval times". She has submitted her thesis for the Ph.D. Degree.

Sry. K. Varadalakshmi:

Subject: "Raga and Rasa".

Sry. K. Gomati:

Subject: "The Musical aspect of the Nritya natakas of South India".

Both the students have been awarded the M.Litt. Degree for their theses on the respective subjects.

One stipendiary research student is working on "Seats of Music in the past in India".

The two non-stipendiary students are preparing to write their theses on:—

"Folk music of the Andhra Desa".

"The origin and evolution of gamakas in Indian Music".
