EDUCATION 4580.

Mis. SHRIF

G.O. No. 2213 Edn.

DATED. 7. 8. 50.

Sub University - Annamala -
Report for 1948 and 49
on the accounts for 1
Recorded

ANNAMALAI UNIVERSITY

No.....

25th April, 1950

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR

ASSISTANT SECRETARY
29 APL 1950
EDUCATION DEPARTMENT

To The Secretary to Government of Madras,
Education Department,
Fort St. George,
Madras.

9264

Sir,

Under Statute 6 of Chapter XIV of the Laws of the University, I am sending herewith for information of the Local Government three copies of the Twenty-first Annual Report on the Working of the Annamalai University for the Calendar year 1949. The Senate at its Annual Meeting held on the 28th March 1950, adopted the Annual Report presented to it by the Syndicate.

Yours faithfully,

S. Satyamurthy Pillai

Registrar.

Encl: Annual Report
3 copies.

P.N.25/4.

25.4.

ANNAMALAI UNIVERSITY

No.....

25th April 19

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR

To

The Secretary to Government of Madras.
Educational Department,
Fort St.George, Madras.

Sir,

Sub:-Annual Accounts and Audit Report for 48-
adopted by the Senate.

Under Section 26 of the Annamalai University Act, I am sending herewith 2 copies of the Annual Accounts for the year 1948-'49 and the Audit Report on the Accounts of the University for the year 1948-'49, adopted by the Senate at its Annual meeting held on the 28th March, 1950. The Accounts and the Audit Report are printed as Appendix C. to the Annual Report two copies of which are enclosed herewith.

Kindly acknowledge receipt.

Encl:-Annual Report for 1949.

Yours faithfully,

Registrar.

T.G.25/4.

25.4.

Education (F)

Endt No 9264 F/50-1 Edn, 4/5/50.

Referred to the Examiner of Local Fund Accounts for remarks on replies of the University on the audit report of the accounts.

(By order)

N V Srinivasan
Assistant Secretary to Govt.

3/5/50

To

The Examiner of Local Fund Accounts,
Madras (with enclosure of Annual Report. below-to be returned with reply).

EXAMINER OF LOCAL FUND ACCOUNTS
6 MAY 1950
MADRAS

L.F.No. 3718

Office of the Examiner of Local Fund Accounts, Madras

Dt 26/7/50

21269

Subject:- Replies to the audit report on the accounts of the Annamalai University- for 1948-49.

Reference:- Endorsement No.9264 F/50-1 dated

Paragraph 33 of the audit report. None of the objection statements and Further remarks referred to in this paragraph have so far been returned with replies.

The replies to the other paragraphs of the audit report do not call for any special remarks. They will be verified in audit together with the further particulars called for in the Further remarks issued to the Registrar.

Assistant Examiner of Local Fund Accounts

To the Secretary to Government,
Education department, Madras.

(5)

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UNIVERSITY - Annamalai - A
and Audit report on theac
Recorded.

From the Registrar, Annamali U
From the Exr.of L.F.Accts, Lo.718

ORDER/Ms.No. 2213 Ed

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Recorded.

2. A copy of the remark
Accounts on the annual accou
for the year 1948-49 is comm
Registrar, Annamalai Universit
action.
~~rectify the defect pointed out~~

KS 31/7/50.
Ag 1/8/50

Ws 3.8.50

C.No.9264/50.

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SECRETARIAT
9 AUG 1950
EDUCATION DEPARTMENT

S 7/8

p5g

FW Re previous years reports ...
Go. 2184 Edn

To Advance 8/8 7/7/1949
pp 7-8 g (A)

The Registrar, Annamalai University (with encl - copy of p.5 c.f.)

The Exr.of L.F.Accts.

The A.G.with a copy of the Report & Exr's ~~remarks~~. remarks.

The D.P.I. "

2 spare copies.

Note. The draft order above is
H.M.(E.&L) may see.

RS 31/7/50.
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Ws 3.8.50

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(b)

GOVERNMENT OF MADRAS
Education Department
G.O.MS.No.2213 Edn. dated 7th Augu
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University- Annamalai - Annual report for 1949 a
the accounts for 1948-49- Recorded
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From the Registrar, Annamalai University dated
From the Examiner of Local Fund Accounts No.371

ORDER:

RECORDED

2. A copy of the remarks of the Examiner of
on the annual accounts of the University for th
communicated to the Registrar, Annamalai Unive
action.

(By order of His Excellency the Governo

S.A. Iyengar,
Secretary to Governm

To the Registrar, Annamalai University (with e
" " Examiner of Local Fund Accounts
" " Accountant-General (with enclosure)
" " Director of Public Instruction, Madras.
..
True copy:Forwarded:By Order

RP/T.S.

(7)

Copy of the remarks of the Examiner of Local Fun
3718 da ed 26-7-50.

..

Replies to the audit report on the accoun
University- for 1948-49.

...

Paragraph 33 of the audit Report:- None
ments and further remarks referred to in this
been returned with replies.

The replies to the other paragraphs of the
call for any special remarks. They will be veri
with the further particulars called for in the
issued to the Registrar.

/true copy/

Superintende

THE

TWENTYFIRST ANNUAL REPORT

OF THE

ANNAMALAI UNIVERSITY

1949

ASSISTANT SECRETARY
29 APL 1950
EDUCATION DEPARTMENT

THE CROSSWORD PRESS
CHIDAMBARAM.

1950

(9)

THE TWENTYFIRST ANNUAL REPORT OF THE ANNAMALAI UNIVERSITY 1949.

THE CROSSWORD PRESS
CHIDAMBARAM.

1950

examine and report on specific questions placed before it for consideration. Of these 14 Committees met and disposed of the references made to them.

Besides, the Standing Committees of the Syndicate met as detailed below to dispose of matters referred to them by the Syndicate :-

Name of the Committee.	*Number of meetings during the year.*
1. Law Committee ...	–
2. Teachers and Research Committee ...	2
3. Exemption and Recognition Committee	4
4. Finance Committee ...	2
5. Finance Scrutiny Committee ...	2
6. Buildings Committee ...	6

(iii) 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 :-

Sri C. N. Muthuranga Mudaliar
Sri P. R. Thevar
Sir K. Ramunni Menon

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

VI. Legislation.

(i) STATUTES.

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

(i) Amendments to statutes 2 and 9 of Chapter XVII of the Laws governing teachers of the University

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consequent on the revision of grades and scales of salaries of teachers in the Faculty of Engineering and Technology.

(ii) Amendments to Statutes 2 and 7 of Chapter XXVI governing Research Studentships increasing the number and value of Studentships awarded annually by the Syndicate.

(iii) Amendments to Statutes 6 and 10 of Chapter XXIV of the Laws prescribing academic robes to be worn by graduates in Engineering and Technology and Oriental Learning at a convocation of the University.

(iv) Amendments to Statutes governing scholarships awarded annually to students of the University, making provision for these scholarships being combined with those awarded by outside bodies up to a prescribed limit.

The above amendments to the statutes were, in accordance with section 30(3) of the Act, duly submitted to His Excellency the Chancellor and his assent was received.

(ii) REGULATIONS.

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

1. Amendments to Regulations 7 and 9 of Chapter XXXVII, making provision for the study of Saiva Siddhanta Philosophy as an alternative to European Philosophy under Part III (Optional Subjects) of the B. A. Pass Degree course in Philosophy in addition to the existing provision for the study of Saiva Siddhanta in the Pass and Honours Degree Courses in Tamil Language and Literature.

2. Addition to Regulation 3 of Chapter XVIII prescribing the number and grade of teachers for each of the departments of study in the Faculty of Engineering and Technology with effect from 1st January, 1949.

3. Addition of a Chapter of Regulations governing the revised course of study and examination in Music leading to the award of the B. Mus Degree to take effect from the academic year 1949-50.

4. A Transitory Regulation providing for the conduct of an examination in September-October 1949 for the benefit of students of the 4th year class in Engineering and Technology who failed in the final degree examination held in April, 1949.

5. Amendments to Regulations governing the course of study and examination in Part I - English for the Intermediate Music Examination increasing the duration of each of the two papers from 2 to $2\frac{1}{2}$ hours, to maintain parity between the Tamil and Engish Part of the B. Music examination at the end of the second year of the degree course.

(iii) STANDING ORDERS.

19. (i) With effect from 1—12—49 Standing Orders governing travelling allowances were so amended prescribing II Class (special) railway fare instead of I class for members of authorities except Syndicate, examiners and administrative staff drawing a salary of Rs. 250/- and above, for journeys made on University business.

(ii) Standing Orders relating to leave rules were amended increasing the number of days of casual leave from 15 to 20 to members of staff of vacation and non-vacation departments.

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V. Admissions.

20. The total number of students on the rolls of the University during the year 1949 (1—12—49) was 1596 against 1630 in the previous year. The number of students admitted during the year in the several Faculties, the total number of students in 1949 and the preceding three years are furnished below. The number of women students was 121 as against 124 of the previous year 1948-49. The number of admissions to the Engineering course was increased to 82 as against 60 of the previous year. It has been decided that no new admissions or changes from one course or group to another be made after the 15th August of each year.

Class.	Total No of Students in the University.				Arts.	Science.	Oriental studies	Engg. & Tech.	No of students admitted in 1949-50.
	1946	1947	1948	1949					
Intermediate	801	668	534	514	128	386	—	—	283
B A. & B.Sc.	343	281	234	228	111	117	—	—	103
B.A. & B.Sc. (Hons.)	228	212	218	249	159	90	—	—	83
B. O. L.	—	1	3	2	—	—	2	—	2
Pulavar	84	65	69	62	—	—	62	—	17
Siromani	10	15	13	14	—	—	14	—	3
Sangitha Bushana	133	117	104	86	—	—	86	—	20
B. Mus	—	—	—	2	—	—	2	—	2
Engineering	357	392	366	356	—	—	—	356	82
Technology	41	66	89	83	—	—	—	83	25
Total.	1997	1817	1630	1596	398	593	166	439	620

VI. Courses of Study.

21. Secondary School Leaving Certificate:-

(i) It was mentioned in the last report that the reorganised scheme of secondary education in the

province was introduced in selected secondary schools during 1948-49. During the year a copy of the finalised syllabuses for all the subjects comprised in the scheme was received and recorded by the Syndicate.

(ii) The Director of Public Instruction intimated that 'Algebra and Geometry' had been introduced under the reorganised scheme of secondary education as an additional subject of study in forms V and VI from 1949-50 as a temporary measure.

(iii) The Andhra University raised the question of the standard of the syllabus in Mathematics under the reorganised scheme with reference to students pursuing professional courses of study like Engineering and Technology after passing their Intermediate examination. The Government appointed a special committee consisting of the representatives of Universities and High Schools to re-examine the question of abolition of optionals and of revising the syllabus in Mathematics of the reorganised courses of study. The Government requested the views of the University regarding the desirability of including a separate paper in Higher Mathematics for purposes of University's requirements in addition to the compulsory Mathematics paper. The Syndicate referred this matter to a joint meeting of the Faculties of Science and Engineering and Technology for consideration and report. The following recommendation of the Joint Faculties is under consideration of the Syndicate.

'Any candidate who desires admission to Group I or Mathematics as one of the optionals in the Intermediate must have taken 'Higher Mathematics' in the school course and secured at least 35% in it in the Public Examination; those who have not taken 'Higher Mathematics' in the S. S. L. C. may be admitted to the course if they pass a special test in Higher Mathematics

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to be held by this University and obtain not less than 35% in it'.

The Government have also appointed an expert Committee to examine this specific question and its report is awaited.

(iv) The Government invited the views of the University on the fixation of marks in the regional language and in English, to qualify for eligibility for admission to University courses of study. The Syndicate in consultation with the Boards of Studies in the languages concerned and the Academic Council, conveyed to Government the opinion of the University that 40% of the marks both in the regional language and in English (2nd Language) should be prescribed as the minimum requirement for eligibility for admission to a University course of study.

In June 1949, a reference was received from the Director of Public Instruction, Madras, on the subject of fixing standards of eligibility for admission to a course of study in the University for those offering the following courses under the reorganised scheme.

1. Academic Course
2. Secretarial Course
3. Pre-Technological Course
4. Aesthetic and Domestic Science Courses.

The Syndicate on the report of a special committee consisting of the Deans of Faculties, Head-Masters of local High Schools and a representative of the Department of Public Instruction, approved the rules and directions issued by the University of Madras in this behalf with the suggestion that a minimum should be prescribed in the aggregate total of the marks in both the compulsory and special mathematics papers in respect of students seeking admission to the Mathematics group of the Intermediate course of study. A copy

of the rules of eligibility was communicated to the Director of Public Instruction, Madras and to the Madras University as the eligible list was being issued jointly for both the Universities.

(v) The Syndicate nominated Prof. R. Ramanujachariar to represent this University on the Board of Secondary Education reconstituted from 20—9—49 for a period of three years.

(vi) The practice and procedure governing the representation of this University on the S. S. L. C. Moderation Board constituted by the Madras University was examined by the Syndicate and it has been decided that, if the Moderation Board constituted by the Madras University consists of a member of the Syndicate of this University, the present practice of nominating him to represent this University on the Board should be continued and in case the Syndicate has to appoint a new member in addition to represent this University on the Moderation Board, his travelling allowance should be met by this University. This decision was communicated to the Secretary, Secondary Education Board and to the Madras University.

22. Intermediate :-

(a) There was no change in the scheme of study and examination for the Intermediate.

(b) The Board of Studies in Philosophy recommended that 'Elements of Psychology' be offered as one of the optional subjects under Part III of the Intermediate course. The proposal has been referred to the Faculty of Arts for consideration and report as to whether psychology should be offered as an alternative subject to Logic or as an independent subject under Part III of the Intermediate course. The report of the Faculty is awaited.

(15)

(c) The Faculty of Arts recommended that 'Elements of Politics' be included in the list of optional subjects under Part III of the Intermediate course of study. A Special Committee has been constituted by the Syndicate to examine and report on this proposal.

(d) In response to the request of students for instruction in the optional subjects - History, Economics and Logic - under Part III of the Intermediate, through the English medium, arrangements were made to conduct parallel courses of instruction i. e. in English and in Tamil in these subjects for students admitted to the Junior Intermediate during 1949—50. Students who commenced their course with the Tamil medium last year 1948—49 are to complete it in Tamil itself. At the end of the year 71 out of 89 students were receiving instruction through English medium.

23. B. A. and B. Sc. Degree Courses :-

(i) There was no change in the main scheme of study and examination for these degrees.

(ii) A syllabus in Saiva Siddhanta as an optional subject of study under Part III of the B.A. pass degree course in Philosophy was adopted by the Academic Council during the year.

(iii) A proposal for the inclusion of 'Sociology' and 'International Affairs' in the graduate and post-graduate courses of study has been referred to a special Committee for consideration and report to the Syndicate.

24. B. A. (Hons.) and B. Sc. (Hons) Degree Courses :-

(i) The scope and content of each of the two papers–Invertebrate I and II–for the B. Sc. (Hons.) Degree Examination in Zoology was clearly defined.

(ii) The Board of Studies in Zoology recommended a proposal that the successful candidates in the B. Sc. (Hons.) Degree Final Examination should be classified on the basis of the marks secured in the main subject only. The Faculty of Science has been requested to examine and report on this proposal.

(iii) The Academic Council on the recommendation of the Board of Studies in Chemistry, prescribed for detailed study, contributions made by six chemists, as a part of the study of 'Historical Chemistry' for the B. Sc. (Hons.) Degree course in Branch II-Chemistry.

(iv) The Syndicate on the report of its special committee constituted to examine the question of instituting Honours Degree courses in Botany, Philosophy and Statistics has decided to defer consideration of this matter pending receipt of the report of the Universities Commission on the alignment of the Pass, Honours and Masters degrees.

In August 1949, the Syndicate, on the recommendation of the Board of Studies in Philosophy has referred the question of reviving the Honours Degree courses in Philosophy and in Botany, to the respective Boards of Studies for consideration and report as regards the cost involved by way of staff, equipment, contingencies etc. The question of starting an Honours course in Statistics has also been referred to the Board of Studies in Mathematics for fuller details with regard to accommodation, equipment and staff.

The general question of the desirability of replacing the Honours Degree by Masters Degree has been referred by the Syndicate to the joint faculties of Arts, Science and Oriental Studies

(16)

(v) The question of instituting Post-Graduate courses in Botany and in Philosophy has been deferred for the present till Honours courses are instituted.

(vi) The Academic Council has referred back to the Board of Studies in Samskrit its revised scheme for the B. A. (Hons.) Degree course in Samskrit, dropping the Essay paper and merging it in one of the special papers with a view to securing uniformity in the scheme of examinations for the Honours degree courses in the Oriental Faculty.

25. Oriental Titles :-

(i) The Board of Studies in Tamil recommended the revival of the course leading to the award of a diploma in Teaching in Tamil, in view of the need to train Pundits in Teaching Methods. The Syndicate has referred the question to the Faculty of Oriental Studies for a fuller report on the question of cost involved by way of increase of staff, equipment and accommodation and the probable number of students likely to take up the Diploma course in Teaching in respect of both Tamil and Samskrit.

(ii) A Bachelor's Degree in Music has been instituted with effect from the academic year 1949—50. The course is designed not only to train professional musicians but also to train their critical faculty for a proper appreciation of the various systems of Music and to pursue higher study and research in the field of Music.

(iii) The Syndicate expressed itself against the proposal of the Board of Studies in Tamil recommending the conduct of September Examinations for the benefit of Pulavar and Siromani students failing at the examinations held in April of each year.

26. Diploma course in Scientific French :–

A Special Committee has been appointed to consider the question of organising a Diploma course in Scientific French and submit detailed proposals.

27. Engineering and Technology:–

(i) The Faculty of Engineering and Technology has been asked to submit a scheme of study in 'Electronics' for the 2nd and 3rd year of the Engineering course (Mechanical and Electrical Branches) recommended by the Board of Studies in Engineering.

(ii) The Board of Studies in Engineering recommended a proposal to hold a September Examination each year in Engineering and Technology for the benefit of candidates failing in the April examination and to permit such students to attend the next higher class from July to September and to count such attendance in respect of those successful at the September examination.

The Syndicate decided to hold a supplementary examination only for the Final B. E. and B. Sc. (Tech) students in September 1949 and deferred the question of arranging such examinations for other classes pending receipt of information regarding the practice in other Engineering Colleges. The Faculty of Engineering and Technology has been requested to examine and report on (i) the possibility of adopting the Guindy system of examinations in these subjects and (ii) the continuance of the present system.

A Special Committee has been appointed by the Syndicate to go into the question of the present Regulations with a view to removing any hardship that may exist in the present scheme and to report on

the terms and conditions under which the September Examinations, if approved, could be held.

(iii) The question of changing the nomenclature of the B. Sc. (Tech) Degree into B E. (Chem) or M. Sc. (Tech) is under consideration of the Board of Studies in Technology and the Faculty of Engineering and Technology.

(iv) A reference from the Government of Madras suggesting the desirability of reducing the duration of the B. E. degree Course from four to three years, is under consideration of the Board of Studies and the Faculty of Engineering and Technology.

28. Research Degrees.–

(i) Regulations for the award of research degrees in Engineering and Technology recommended by the Board of Studies in Engineering and approved by the Faculty of Engineering and Technology are under consideration by the Syndicate.

(ii) A proposal to include 'Music' as a subject for research degrees was referred to the Faculty of Oriental Studies and suitable amendments to the Regulations to implement this proposal recommended by the Oriental Faculty are under consideration by the Syndicate.

29. The number of persons who submitted research theses for the respective higher degrees in research during the year 1949 was as follows :–

M. Litt	3
M. Sc.	2
Ph. D.	1

Boards of examiners have been constituted to scrutinize and report on the theses received.

The Syndicate on the unanimous reports of Examiners declared 2 candidates as worthy of and duly qualified for the M. Litt degree, 1 for the M. Sc. degree. The reports of the Boards of Examiners on the other theses are awaited.

During the year one thesis for the M. Sc. was rejected for resubmission on the recommendation of the Board of Examiners constituted to report on it.

During the year 3 candidates for theM. Litt, 4 for M. Sc., and 2 for Ph. D., were registered for the respective research degrees.

A statement of candidates registered for and awarded the research degrees is printed as **Appendix A**

VII. Examinations.

30. Recognition of other Examinations:-

The following examinations of other Universities and recognised bodies were accepted as equivalent to the corresponding examinations of this University for purposes of admission to a higher course of study at this University:-

Examination recognised.	Equivalent examination of this University.
1. Dufferin Final Passing out Certificate Examination for the Engineering Cadets.	Matriculation
2. The Senior School Certificate Examination in English of the Government of Ceylon, under certain conditions.	do
3. The Secondary School Certificate Examination conducted by the Secondary School Certificate Examination Board, Bombay.	do

(12)

4. Intermediate Examination conducted by the Poona, the Jammu & Kashmir and the Saugar Universities.	Intermediate.
5. B. A. degree examination conducted by the Poona, the Jammu and Kashmir and the Saugar Universities.	B. A. Degree.
6. B. Sc. degree examination conducted by the Poona and the Saugar Universities.	B. Sc. degree.
7. The B. A. and B. Sc degree examinations of the South and East African Universities.	B. A. and B. Sc. degree.
8. M. Sc. examination of the Poona University.	M. Sc.

31. Recognition of degrees in Engineering and in Technology :-

The Government of Madras have recognised the B. E. Degree (Civil and Mechanical branches) as equivalent to the B. E. Degree of the Madras University for purposes of public service in the Madras Public Works Department. The Government are considering the recognition of the B. E. degree (Electrical branch) for a similar purpose, in consultation with the Chief Engineer to Government for Electricity, with a view to suitable amendments being made in the Madras Government Service Rules.

The B. Sc. (Tech) degree is also treated on a par with the B. Sc. (Tech) of the Madras University for purposes of employment in the Government Polytechnics and suitable technical jobs in Madras Govenment Industries services. The question of amending the Government Services Manual in this direction is under consideration of Government.

The Federal Public Services Commission and the Government of India were approached with a view to the B. E and B. Sc. (Tech) degrees of this University being recognised for purposes of admission to the All India Engineering and Railway Services Examinations. They replied that this question would be taken up after the Institute of Engineers had accorded recognition to these degrees The Institute of Engineers, Calcutta appointed a Commission of Inspection for this purpose. The Commission visited the University on the 11th January, 1950 to inspect the Department of Engineering and Technology. The report of the Commission is awaited.

32. Mederation of results :- The Syndicate while considering the results of University Examinations has constituted an Ad Hoc Committee to consider and determine the principles of valuation, award of grace marks, and formulate rules for the guidance of examiners.

33 Public Examinations of the University :- The University Examinations were conducted as usual in accordance with the Regulations of the University. The following is the statement of the number of candidates that appeared for and passed in the several examinations held during the year :-

Examination.	No. Examined.	No. Passed.	No. qualified for Degrees or Titles.
Intermediate	527	240	
B. A. Part I	74	55	
Part II	57	56	
Part III	67	52	52
Part IV	70	55	
B. Sc. Part I	75	54	
Part II	52	52	
Part III	70	51	59
Part IV	68	57	

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Examination.	No. Examined.	No. Passed.	No. qualified for Degrees or Titles.
B. O. L.	4	4	4
B. A. (Hons) & B. Sc. (Hons) Preliminary	81	66	
B.Sc.(Hons)Subsidiary			
Br. II Physics	7	6	
Br. III Chemistry	5	4	
Br. V Zoology	4	4	
B. A. (Honours) :			
Br. II History and Politics	6	6	6
Br. III Economics	29	27	27
Br. IV English Language and Literature	5	5	5
Br. V Samskrit do	1	1	1
Br. VI Tamil	4	4	4
B. Sc. (Honours) :			
Br. I Mathematics	5	4	4
Br. II Physics	11	11	11
Br. III Chemistry	9	9	9
Entrance Test to Pulavar Course	34	26	
Pulavar Preliminary Reg. 8-C	15	13	
Pulavar Final Reg. 8-C	21	20	20
Vidwan Final Reg. 8-A	2	1	1
Certificate of Proficiency in Oriental Learning	4	2	
Siromani Prel.	7	7	
,, Final	3	3	3
Sangitha Bushana Preliminary	24	16	
,, Final	16	15	15

Examination.	No. Examined.	No. Passed.	No. qualified for Degrees or Titles.
Tamil Music Certificate	9	9	
Intermediate Engineering Part I	106	78	
,, Part II	121	94	
B. E. Degree Part I (Civil)	88	64	
,, (Mech)	22	16	
,, (Elec)	24	19	
,, Part II (Civil)	46	46	46
,, ,, (Mech)	14	14	14
,, ,, (Elec)	15	15	15
Inter. Technology Part I	34	25	
,, Part II	27	14	
B. Sc. Tech. Degree Part I	24	12	
,, Part II	15	15	15

34. Annual Public Examinations:- (for Intermediate, B. A., and B. Sc.):- A Special Committee has been constituted by the Syndicate to examine the question of holding University Examinations every year for Intermediate, B. A. and B. Sc. Pass Degrees. The Boards of Studies have been requested to work out details of the syllabuses and text-books to be examined on at the end of each year of the respective courses. This proposal has also been referred to the joint meeting of all the Faculties for consideration and report to the Syndicate.

35. Exemption from Attendance:- As usual cases of students who were unable to produce the prescribed certificates of attendance at lectures, residence and

games were examined and decided by the Vice-Chancellor or the Syndicate according to rules.

VIII. Convocation.

36. The Nineteenth Annual Convocation of the University was held on Friday the 2nd December, 1949, presided over by H. E. the Maharaja of Bhavnagar, Governor of Madras and Chancellor of the University. The Address to the Graduates was delivered by the Hon'ble Sri P. S. Kumaraswami Raja, Premier of Madras Province.

The number of candidates admitted to the several degrees and titles at the Annual Convocation was as follows:-

	In Person.	In Absentia.	Total.
Ph. D.	1	...	1
M. Litt.	...	1	1
M. Sc.	1	...	1
M. A.	6	34	40
B. A. Hons.	20	24	44
B. A.	28	19	47
B. Sc. Hons.	6	11	17
B. Sc	26	32	58
B. O. L.	1	1	1
Pulavar	6	9	15
Siromani	...	2	2
Sangitha Bushana	7	5	12
B. E.	11	18	29

IX. Research.

37. The following is the statement of research work done by the various departments of study in the University and published in the University Journal and other learned periodicals:-

Name of research worker.	Subject.	Where published.
	PHILOSOPHY	
Prof. R. Ramanujachariar (in collaboration with Sri K. Srinivasachariar)	Nyayaparisuddhi with a hitherto unpublished commentary (2 forms)	A. U. Journal
Prof. R. Ramanujachariar	(1) Dilemma (2) Fallacies (3) Mille's Methods (4) Descartes (5) Yamunacharya (6) Leibnitz (7) Hegelianism (8) Cause (9) Propositions etc.	Tamil Encyclopaedia
Sri D. I. Jesudoss	(1) An article on 'Pantheism'	Encyclopaedia
	(2) Communism and Christianity	Arunodayam November number
	HISTORY	
Prof. R. Satyanatha Ayyar	A chapter on South Indian History, A. D. 1000 to A. D. 1300	Contribution to Vol. V o the Bombay History of India
	ECONOMICS	
	BOOKS	
Dr. S. Chandrasekar	(1) India's Population – Fact and Policy	John Day, New York (Second Edition)
	(2) Hungry People and Empty Lands	Harpers, New York
	(3) Census & Statistics in India	Pamphlet, A. U.
	(4) Planned Families for India	do
	(5) India Emigration to America	Oxford University Press
	(6) Population Problems and International Tensions	Report submitted to UNESCO
	PAPERS	
	(1) World's Hunger	Indian Finance Annual Calcutta 1948
	(2) Unesco & Population Problems (Proceedings of the International Congress on Population and World Resources)	Lewis Co. Ltd., London
	(3) An Indian Demographer Looks at the World"	Unesco courier, Paris (1949)

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Name of research worker.	Subject.	Where pudlished.
	(4) Food & Population in I & II	Unesco courier (1949)
	(5) South African Indians	Modern Review Calcutta (August 1949)
	(6) Population Problems of India & Pakistan	Eugenics Review London (July 1949)
	(7) A. Demographic Cycle	International Social Scienc Journal, Paris 1949
	(8) Indo-Pakistan Population Problems	Penguin Science News London
	(9) Les Transferts de Populations entre i 'Hindustan et le Pakistan	Population, Paris 1949
	(10) Poulation & Peace in Asia	Paper read at the World Peace Congress, Switzerland St Cergue
	(11) Cultural Assimilation	Paper read at the International Population Conference, Geneva, Switzerland.
Sri V. G. Ramakrishna Iyer	(1) India's National Income	New Review, Calcutta
	(2) Co-operation and Cottage Industries	do
	(3) Our Agricultural Problem	Agriculturnal Economist, Bombay
	(4) Prospects of Fresh Taxation in Madras,	Commerce, Bombay
	(5) Indian Federal Finance	do
	(6) A Text-book of Public Finance	Rochouse, Madras
Sri A. Ramaswami	A Text Book of Economics for Intermediate students	
	PHYSICS	
Sri R. K. Viswanathan	'Sakti' in Tamil	
	ZOOLOGY	
Prof. R. V. Seshaiya	Urnatella Indica Seshaiya	Records of the Indian Museum Vol. XIV PART IV
Sri K. Ramamoorthy	Cytology nnd Functions of the Brood-pouch epithelium of Milanidae.	Journal of the Zoological Society of India Vol. II

Note:– For Tamil and Sanskrit *Vide* pages 51 and 53.

38. Research Studentships:-

The Syndicate on the recommendation of the Boards of Studies concerned awarded during the year the following research studentships. They were assigned to the Heads of Departments of Study relating to the respective subjects of research:

Name.	Subject.	Director of Resarch.
Sri T. N. Vasudeva Rao	History	Prof. R. Satyanatha Iyer
,, K. Ramamurti	Economics	Dr. S. Chandrasekar
,, K. R. Venkatesan	Botany	Dr. T. C. N. Singh
,, G. Venkatachalam	Tamil	Dr. A. C. Chettiar
,, C. Tirumeni	,,	Dr. A. C. Chettiar

The following research student working last year had his term extended by another year:

Sri K. Rangarajan Zoology

The recommendation of the Head of the Department of Botany for the extension of the period of studentship of (1) Sri V. R. Rajagopalan (2) Sri A. T. Natarajan, is under consideration.

The statutes governing Research Studentships were amended making provision for the award annually by the Syndicate of ten studentships at Rs. 50/- per month each instead of six studentships at Rs. 30/- per month as hitherto.

39. Tamil Research Department:-

A Special Expert Committee with Sir R. K. Shanmugam Chettiar as Chairman has been constituted by the Syndicate to examine and report on the work and achievement of the Tamil Research Department of the University so far and if necessary to go into the question of reorganization of the Department and the lines on which investigations might be carried out.

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X. Publications.

40. (a) The following books were published during the year:-

1. Practical Chemistry in Tamil
2. Trigonometry in Tamil
3. Algebra in Tamil
4. Perumpanarru Padai Araichi and Thondaiman Ilanthirayan
5. Thithan
6. Cholar Charitiram Part I.

(b) The following books are in the Press:-

Tamil Text-Books :-

1. Geometry in Tamil
2. Practical Physics in Tamil

Tamil Research :-

3. Pattinappalai & its Uraippahuthi
4. Kosar
5. Cholar Charithiram Part II
6. Gnanamirtham
7. Gowdaleyam

Tiruppanandal Endowment Publications.

8. Thevara Tirumurai II Vol.
9. Sivagnana Bhodam
10. Manickavasagar Memorial Ahapporul Prize Selections.

General

11. Manual of Science by Sri T. P. Navanithakrishna.

1950 but they could not come as their short stay would not allow the inclusion of this University in their programme.

The following persons who were invited to deliver lectures at the University during their projected tour in India during 1949, could not fulfil their engagements as their tour programmes did not materialise:

(a) Mrs. Ruth C. Wright, Dean of the Faculty of Students, City College, New York.

(b) Professor D. B. Copland, Canberra, Australia.

44. **Endowment Lectures**:- In December, 1949, Sri T. S. Kandaswami Mudaliar, M. A., Advocate, Sattur, delivered a course of four lectures on Saiva Siddhanta at the Benares and Allahabad Universities under the terms of the Arulnandi Sivacharya Swamigal Sivagnana Siddhiar Memorial Lectureship Endowment.

45. **Extension Lectures**:- The system of extension lectures by members of the Teaching staff in vogue in previous years was revived during the year. The Heads of Departments of Studies have been requested to draw up a programme of lectures and organize exhibitions, symposia on subjects of current and topical interest.

XII. Miscellaneous.

46 **Union and Societies**:- The Union and the Societies continued to work as usual during the year. The rules of the Union and Departmental Societies were amended empowering the Vice-Chancellor to nominate the Presidents of the two Sections of the Union and making the Heads of Departments ex-Officio Presidents of the Departmental Societies in the subjects concerned.

47. **The British Debating Team**:- The British Debating team headed by Mr. Collin Jackson sent out

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to India by the National Union of the students of Universities and colleges in Great Britain with a view to promoting cultural ties visited this University on 2—3—49. A debate was arranged under the auspices of the University Students' Union and a team of students selected for the purpose participated in the debate, the subject being. "A Third world War is inevitable".

48. The University deputed students to participate in the Inter-Collegiate Symposium and the enacting of select scenes from Julius Caesar, arranged by the All India Radio, Tiruchirapalli Station.

Selected students were also deputed to take part in the Inter-Collegiate Elocution competitions organized by Colleges and other recognized bodies elsewhere.

49. **Congresses and Conferences**:- The following members of the staff were appointed as delegates of the University to attend the Conferences noted below:-

	Names.	Conferences.
1.	(a) Sri Diwan Bahadur C. S. Srinivasachariar (b) Sri R. Sathianatha Aiyar	Histrorical Records Commission The Indian History Congress
2	Sri C. Thangaiyan	The Indian Political Science Congress, Madras.
3.	Sri K Bashyam Dr. S. Chandrasekar Sri A. Ramaswami Chettiar	The Agricultural Economic Conference, Madras.
4.	Sri R. Ramanujachariar,	The Indian Philosophical Congress, Patna
5.	Sri Dr. V. Ganapathi Ayyar Dr. K, Rangaswami Ayyar	The Indian Mathematical Conference Madras.
6.	Sri R. K, Viswanathan Sri M, L. Joshi, Dr. V. Baliah Dr. T. C. N. Singh, Sri R. V. Seshiya, Zoology	The Indian Science Congress, Poona, do do do
7.	Dr. M. U. Pai, Technology	The Indian Institute of Chemical Engineers, Bombay.
8.	Sri L. K. Govindarajulu	The Indian Physical Education Conference, Poona.
9.	Dr. S. Chandrasekhar	The Indian Economic Conference, Waltair.

Prof. R. Satyanatha Ayyar, Dr. S. Chandrasekhar, Prof. R. V. Seshaiya and Dr. M. U. Pai could not attend the sessions of the conferences noted under items 1, 9, 6 and 7 respectively

The Syndicate adopted the following procedure for guidance in respect of delegations to the annual Conferences.

(a) Members of the Staff contributing papers which have been accepted may be sent;

(b) A subsidy of single second class (Special) fare be given to the junior members, in order to encourage them, up to a maximum of 12 persons.

(c) Heads of Departments to be deputed and if they decline, the next in rank be deputed.

(d) Members who do not come under the above categories may be permitted to go if they desire at their own expense and they will be considered to be on duty.

50. The Universities Commission: The Indian Universities Education Commission appointed by the Government of India to report on University education in India and to suggest improvements and expansion that may be desriable to suit the present and future requirements of the country, visited this University on the 22nd March, 1949. During their three days stay here, the Commission observed the various classes at work, met the members of departments of studies and held discussions with them, inspected the Libraries, Laboratories, Lecture Halls Hostels, Physical Education Department, Hospital and Dispensary. The Vice-Chancellor, Deans of Faculties and members of the Syndicate gave evidence before the Commission.

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The Report of the Commission has been received and its recommendations relating to the University are under consideration of the authorities. The views of the University will be communicated to the Government of India, Provincial Government and the Inter-University Board in due course.

51. Endowments: Sri Rao Bahadur N. Viswanatha Ayyar, Ex-Registrar of the University offered and the Syndicate accepted an endowment of Rs. 500/- the interest on which is to be utilized for the award annually of a prize, in memory of the late Mahavidwan Raghava Ayyangar, Lecturer, Tamil Research Department of the University. The terms of award of the prize are under consideration of the Syndicate.

52. Prizes, Medals and Scholarships: Awards of scholarships, Medals, and Prizes on the results of University examinations of the year 1949 were made as usual.

53 Tiruppanandal Endowments:– Sri M. K. Punyakoti was declared worthy of the Tevara Tirumurai Prize at a competition held for the purpose.

Competitions to be held in February 1950 for the award of the following prizes under the Tiruppanandal Endowments scheme, *viz.* (1) Kavi Chakravarti Kambar Memorial Tamil Prize, (2) Adi Kumaraguru para Swamigal Memorial Tamil Prize, (3) Sekkilar Nayanar Memorial Tamil Prize, have been announced. With the consent of the Head of the Tiruppanandal Mutt, it has been decided that, for a period of five years, the portions prescribed under the terms of the Endowment have been reduced so as to make these competitions more popular and attractive to a larger circle of persons including the students in the Final Pulavar classes in Oriental institutions in the Province.

The Syndicate has appointed a Special Committee to examine the Tiruppanandal Trust Endowments with a view to their proper and effective administration by suitable amendments being made in the terms of award with the consent of the Donor, the present Head of the Tiruppanandal Mutt.

54 Inter University Cricket Tournament :-

The Inter-University Board allocated to this University the responsibility of conducting the Cricket Tournament for the Universities in the South Zone. Due to unfortunate incidents and the consequent closure of a section of the University till January '50, the Inter-University Board kindly arranged and the Madras University readily undertook this responsibility of conducting the Inter-University Cricket Tournament.

55. National Cadet Corps :- It was mentioned in the last report that orders were expected from Government for the formation of a National Cadet Corps Unit for the University early in the year after adequate number of officers had been trained to take charge of the Unit.

The Director, National Cadet Corps, New Delhi, allotted to this University an Independent Infantry Company (Senior Division) with a strength of 5 Officers and 154 Cadets and a signal Unit Senior (Division) with a strength of 2 Officers and 60 Cadets. With a view to facilitating the raising of the N. C. C. Units from the commencement of the academic year 49-50, the University made all the preliminary arrangements such as convening of a Selection Board for the selection of Officers to be sent for training, construction of armouries, accommodation for the Offices, Garages etc. The following members of the staff selected for training returned in July '49 after training :

1. Sri G. Gopalakrishnan
2. Sri A. Subbiah
3. ,, C Thangayyan
4. ,, G. Alexander
5. ,, G. Sarangapani

} for the Infantry Company

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1. Sri S. Narendranath
2. Sri B. Srinivasamurthy

} for the Signals Unit

Capt. M. L. Kunthe, Officer Commanding the N. C. C. Infantry Company arrived here with his assistants in July 1949 to make all the preliminary arrangements by way of organizing the Office, selecting the N. C. C. Cadets etc. The Unit started functioning in July, 1949 immediately after the reopening of the University. Cadets for the Signal Unit were selected early in December 1949 and Lt. Frost Foster the Officer Commanding the Signal Unit with his staff arrived here in November' 49. The N. C. C. Cadets evinced a keen interest and a sense of appreciation of the training given and the daily parades conducted. Due to a persistent demand from students for further enlistment in the N. C. C., an application has been made to Government for an allotment of an additional Company for the University. Orders of Government are awaited. The N. C. C. Cadets presented a Guard of Honour to His Excellency the Governor of Madras and Chancellor of the University on the occasion of the Annual Convocation of the University held on the 2nd December 1949. The turn out of the cadets was quite smart and elicited the warm appreciation of all visitors.

The University has sanctioned a sum of Rs. 500/- as its contribution towards the provision of amenities to the N. C. C. Units at the University.

56 Military Education :- The Government of India in the Ministry of Education, New Delhi suggested the desirability of including 'Military Education' as one of the subjects of study in the University curriculum. A Special Committee appointed by the Syndicate to examine the proposal reported that it was in favour of the suggestions put forward and that details might be worked out in consultation with the Faculties. The Syndicate has referred the matter to the Joint meeting of all Faculties and to the Inter-University Board for opinion. Further action will be taken on receipt of the reports of these two bodies.

57. Adult Education: The Chitrai School of Adult Education completed the sixth year of its work. The proposal to convert the Chitrai School into a refresher course for teachers of Secondary and Elementary schools in the South Arcot District did not materialize as the response was not encouraging. The Summer School had to be conducted therefore much on the same lines as last year. The session lasted for four weeks and instruction was given by members of the Teaching staff selected for the purpose on the syllabuses followed in the previous year. The course was attended by 10 students to whom certificates were issued on the results of an examination held at the end of the course.

The question of how best to make this scheme of Adult Education more popular, useful and effective is under consideration by the authorities.

58. Founder's Day: The Twentieth Founder's Day was celebrated on the 24th September, 1949. Sri S. Ramaswami Naidu, Mayor of Madras delivered the Founder's Day Address.

59. Reclassification of Teachers: The Special Committee appointed by the Syndicate to examine in detail the number and grades of teachers of each department of study with reference to its requirements for teaching, research and tutorial supervision, recommended as follows:-

(i) that, in view of the fact that Honours Departments should engage in research and that they have to guide research workers they may have two professors each (one Professor and one Associate Professor), the Head of the Department, having qualifications in research.

(ii) that there be only one grade of lecturers.

(iii) that the following grades of teachers be adopted:

(a) Professors - Rs. 400 - 20 - 700

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(b) Associate Professors - Rs. 250 - 15 - 400 - 20 - 500.

(c) Lecturers Rs. 150 - 10 - 300

(d) Tutors and Demonstrators - Rs. 75 - 5 - 125.

The Syndicate accepted these recommendations. The Academic Council endorsed them and the Senate sanctioned the proposals and directed suitable amendments to the Laws being made accordingly. The Government of Madras have been approached for financial assistance to meet the extra recurring cost involved in the implementation of the new proposals. The orders of Government are awaited. It is hoped that the new proposals would be given effect to from the academic year 1950-51.

60. Visual Education: The University has purchased a cinema Projector equipment. Weekly shows are arranged for the exihibition of educational films to the students of the University. Admission to these shows is free and a fee of Re. 1 per term per student is collected to cover the cost & the administrative charges incurred in organising these weekly shows.

61. Raja Sir Annamalai Chettiar Statue Committee: On a motion passed by the Senate at its annual meeting held on 29—3—49, a representative Committee has been constituted by the Syndicate to concert suitable measures and collect the necessary funds from the members of the University authorities, teachers, students (past and present) and the public towards the erection in the University campus a statue of the late Rajah Sir S. R. M Annamalai Chettiar, the Founder of the University. An appeal has been issued to the public for funds. It is hoped that adequate funds will soon become available to enable further steps being taken in the matter.

62 Inter University Board:- On a reference from the Inter-University Board of India, New Delhi, communicating a resolution of the Board classifying

the Universities into three classes for purposes of annual contribution by the Universities to the Board, the Syndicate accepted the new classification and requested the Board to specify the rights and privileges of members in each category.

XIII. Lands and Buildings.

63. Staff: Sri J. Krishnamurti Rao, B. A., B. E., the Civil Engineer was appointed Asst. Professor of Civil Engineering with effect from 14—1—49. Mr. T. Holroyd, Architectural Draughtsman was appointed officiating Civil Engineer. When he went on medical leave from 16—7—49, the post of the Civil Engineer was not filled till 11—11—49 when Mr. T. Rajendram took charge of the Office of the Civil Engineer.

64. Buildings:

(i) The following buildings were completed during the year :-

1. New Lecturers' quarters (east of Kothangudi and in rear of co-operative stores) 4 blocks of 2 quarters each.
2. New Lecturers' quarters (west of Vice-Chancellor's Bungalow). 1 block of 2 quarters.
3. Cycle shed in front of Elango Block.
4. Slaughter house.
5. Supplying and fixing a new gas holder for "Hope Laboratory."
6. Compound wall for the Travancore Hostel.
7. Improvements to Sivapuri Junction circle and Bunk.

(b) The construction of the following major buildings is in progress and is nearing completion :—

1. New quarters for the menial staff (2 blocks of 5 houses each).
2. Boiler House for Workshop
3. Sanitary Installation to Guest House.
4. Construction of Latrines (25 seats) to Hostels.
5. Improvements and additions to Chemical Technology I Stage.
6. Conversion of cattle shed into five quarters at Thidaveli.
7. Conversion into menials' quarters at Chandramalai.
8. Improvements to Kothangudy Bungalow.
9. New Lecturers' quarters (west of Vice-Chancellor's Bungalow) (2nd Block of 2 quarters.)

(c) Estimates for the following major works have been sanctioned and the works will be taken up for execution early next year.

1. Clerks' quarters (5 blocks of 10 houses).
2. Improvements to women students' retiring room.
3. Improvements to Music college Buildings.
4. Drainage scheme.

(d) Estimates for the following major works are under consideration :—

1. Engineering and Technology III Stage.
2. Engineering Hostels - 2 sets (each accommodating 100 students).
3. New Hostels for Arts and Orientals (for about 200 students).
4. Women Students' Hostel Extensions (100 students).
5. Professors' quarters (three).
6. N. C. C. - Officers' quarters, Stores and Armoury.
7. Dormitory for 100 students.
8. Battery room.
9. Boiler house to Chemical Technology Department.
10. Improvements to co-operative stores.
11. Cycle shed for Engineering students.
12. Raising the low level ground around the New Lecturers' quarters newly constructed.
13. Flooring in carpentry and fitting section-Workshop.

65. The plans and estimates for the drainage scheme for the University Colony have been prepared by Sri T. R. Srinivasachariar, Retired Sanitary Engineer, Coporation of Madras and submitted to Government for sanction. Tenders for requisite materials have been called for and the work of execution is expected to commence early next year.

66. Electrification: The new buildings constructed during the year were electrified. Power was

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supplied to the laboratories of the Engineering and Technology Deportments. Besides, minor installations of light and fan points, motor and pump sets whereever necessary were carried out.

67. Gardens:- Gardens and Parks have been laid out in the Engineering and Technology departmental buildings. The existing gardens, parks and nursery have been well maintained

XIV. Accounts.

68. The Accounts of the University for the year 1948-49 prepared under section 26 of the Act and audited by Examiner of local Fund Accounts, Madras and the Audit Report with replies on the Accounts of the year 1948-49 are printed in **Appendix C.**

69. The receipts under General Fund during the year ending 31-3-49 amounted to Rs. 12,37,542/-. Including the opening balance of Rs. 28,852, it amounted to Rs. 12,66,394/- During the year, a sum of Rs. 12,16,395/- was spent leaving Rs. 50,000/- as closing balance as required by the rules.

70. As in the previous years, grants were paid to the Inter-University Board, and other Associations and bodies noted below. The total amount of grants paid during the year amounted to Rs. 1,884/-.

Inter-University Board	Rs.	1,200
Association of Universities of the British Commonwealth.	Rs.	334
Indian Council of world Affairs.	Rs.	50
Academy of Sciences.	Rs.	300
Total	Rs.	1,884/-

71. In G. O. No. 1130 Education & Public Health, dated 12—4—49, the Government reduced the block grant from Rs 5,02,000/- to Rs. 4,99,000 for the reason that the salary of the Vice-Chancellor had been fixed at Rs. 1,500/-.

72. To meet the extra cost in the recurring expenditure, consequent on the re-organization and revision of grades of salaries of Teachers as passed at the meeting of the Senate on 3—12—49, Government have been approached for sanctioning a block grant and favourable orders are expected shortly.

73. Towards the provision of work benches, rain-water pipes, drains for rain water etc. for the New Science Extensions, a grant of Rs. 75,000/- was applied for but the Government have in G. O. No. 3920 Edn. d. 21—12—49 sanctioned a block grant of Rs. 37,500/-.

74. The Government have also been approached for a grant of Rs 7·1 lakhs towards a comprehensive Drainage Scheme for the entire colony and, pending final orders, Government have made a provision of Rs. 1 . 5 lakhs for expenditure on the Drainage Scheme in their budget for 1949—50.

XV. General.

75. *Discipline*:- The Syndicate regrets to have to report that the normal atmosphere of the University was disturbed by the students staging a demonstration on the 24th September, 1949. Disciplinary action was taken against those who had taken a prominent part in the disturbances and adequate steps were taken to bring the situation under control. All students except those who had cases pending against them in courts of law were readmitted to the University on their tendering a written apology for their past conduct and their parents or guardians giving a written undertaking for the future good conduct and behaviour of their wards during their stay at the University.

XVI. Departments of Studies.

Extracts of reports from the Heads of Departments of Studies on the work of the various departments are given in **Appendix B**.

A statement showing the strength of staff and students in the several departments of study is printed in **Appendix B-1 and B-2.**

XVII. University Library.

1. *Staff*:- Sri K. Nagaraja Rao M. A., B. L., continued to be the Librarian during the period under report.

2. (a) The compilation of a complete list of all the periodicals in the library for submission to the Secretary, UNESCO Science Co-operation Office for South-East Asia for a Union Catalogue of periodicals to be published by the UNESCO and (b) the University library agreeing to become a Depository Library for the UNESCO publications in English may be mentioned as the chief features during the year.

3 *Attendance*:- The average attendance of readers and visitors to the library was 202 as against 196 of the previous year.

4. *Library Committee*:- There were two meetings of the Library Committee: one on 19—2—49 and another on 10—4—49. A Sub-committee meeting was held on 23—9—49.

5 *Library Hours*:- The working hours of the library were from 10 a. m. to 5-30 p. m. The textbook library was kept open from 7 a. m to 10 a. m. and from 12 noon to 2-30 p. m.

6 *Grant*:- The annual grant for the year for books and periodicals was Rs. 50,000/- as against Rs. 28,000/- of the previous year.

7. *Books*:- The total number of books on 31-12-49 was 77793. 2332 books were added during the year. Gifts and exchanges amounted to 372.

8. *Periodicals*:- 400 journals were subscribed for during the year under report.

9. *Back numbers of periodicals*:– The back numbers of periodicals bought in the year under review were 53.

10 *Issue and consultation*:– The number of books issued during the year was 32,415 as against 31,799 of the previous year. The total number of books consulted was 70,570 as against 64,853 of last year.

11. *Classification and cataloguing*:– 2425 Books and periodicals were classified and catalogued. 113 cross reference cards were written.

12. *Deposit borrowers*:– There were 31 deposit borrowers.

13. *Inter-lending*:– 8 manuscripts were lent to the Curator, Oriental Manuscripts Library, Madras; 7 books were borrowed from the Madras University Library and 3 from the Connemara Public Library, Madras.

14. *Binding*:– 1321 books and periodicals were bound during the year at a cost of Rs. 2402—12—0.

15. *Acknowledgement* :– The Library is indebted to the Governments of India, Madras and the United States Information Service and the Dharmapuram Adheenam for free supply of some of their publications.

16. *General* :– The Librarian sent a paper on *Adult Education and Rural Libraries* to the Provincial Conference of College Librarians held in Madura in May, 1949. A paper on *Technical and Research Libraries in India* was sent by the Librarian to the "Indian Librarian" to be published in volume 4, number 3; also an obituary regarding the demise of Khan Bahadur K. M. Asadullah, Ex-Librarian, Imperial Library, Calcutta.

XVIII. Residence.

Men Students' Hostel.

Warden :–

Sri A. C. Subramanyan, M. A., L. T.

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Deputy Warden :–

Sri S. M. Lakshmanan Chettiar, M. Sc.

The total strength of the Hostel in July, 1949 was 960 as against 1025 last year. There were 11 sections of which 8 were vegetarian and 3 non-vegetarian. One vegetarian section was run for the members of the staff.

Till 1st December, 1949 the Hostel was run as a single unit. On 1st December, the Hostel was divided into two sections, one for the Arts and Science students and the other for the Engineering students. Prof. G. S. Ramaswamy took charge as Warden and Mr. B. Narayana Das as Deputy Warden of the Engineering and Technology Hostel.

Attendance is taken at nights at 9 p. m. daily. There are 8 Resident Tutors in the Arts section and 5 in the Engineering and Technology section.

The Representative Council met often and gave its valuable suggestions in the matter of the efficient running of the messes.

The five common reading rooms of the Hostels were well furnished. Daily papers in all the languages of South India and illustrated weeklies were supplied. Provision for indoor games such as Chess and Carroms was made in the Hostel. Facilities for out-door games such as badminton, Volley ball and Tenni-koit were provided for this year within the hostel.

Tilak Day was celebratd as usual on 1st August 1949, when the Vice-Chancellor presided. Messrs. Sri Veerarayan Raja and Haj Mohamad spoke on the greatness and achievements of Lokamanya Tilak.

The Indian Universities Commission visited the Hostels in March.

The Inter Hostel tournaments were conducted and the Hostel Day was celebrated in March, 1949.

Dr. Rm. Alagappa Chettiar delivered the Hostel Day Adress. Portraits of Prof. C. A. Subramanyan and Dr. A. Chidambaranatha Chettiar were unveiled by the Vice-Chancellor on that day.

Dr. Alagappa Chettiar in his Hostel Day Address expressed his appreciation of the various activities of the hostel residents and complimented them on the varied and healthy fare that was provided in the halls.

XIX. Health & Sanitation.

Health:- The general health of the students and other residents of Annamalainagar was satisfactory. The daily dispensing was mostly for minor ailments such as disorders of the digestive organs. Influenza middle-ear diseases, tonsilitis, eyetroubles, wounds and bruises and the daily attendance was on the average 200. There were also a few cases of Pneumonia, fractures and dislocations. The patients who were unable to go to the hospital were treated either in their lodgings or in the hospital as in-patients.

Sanitation:- Anti-mosquitoe measures were adopted and they proved effective in mitigating the mosquito nuisance. The sanitary condition of the University premises was generally satisfactory.

XX. Rover Crew

The Crew for the academic year consisted of 65 Rovers divided into six patrols. Two classes were held every week and the subjects taught included Semaphore Signalling, Morse Signalling, Scout-Craft, Pioneering, Scout-games, Leadership Training, First Aid, Ambulance etc. The Rovers were taken on camp to Porto-Novo when they visited the neighbouring villages for social service work. They also rendered all possible assistance during University functions.

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Appendix A.

Candidates registered for Research Degrees.

Department.	Name.	Subject.
Philosophy	Sri D. I Jesudoss Ph. D.	The Religious experiences of the Saiva Samayacharias
Economics	Sri G. Venkatanarayanan M. Litt.	Cottage Industries in South India.
	,, K, Mohanarangan M. Litt.	Price Level in India.
Tamil	Louis Ratnavathy John M. Litt.	Dravidian tenses with special reference to Tamil.
Chemistry	Sri V. P. Narasimhan M. Sc.	Physical or Organic Chemistry.
Botany	Sri K. R. Venkatesan M. Sc.	Systematics and biology of plants.
	Sri M. K. Ramamurthy Ph. D.	Cytogenetical Studies in Phaseolus.
Zoology	Sri N. V. Raghavan M. Sc.	Study of the Fish Notopterus.
	Sri K. Kesavan Nair M. Sc.	Embryology.

Candidates who submitted theses.

Economics	F/Lt. D. Jagannathan M. Litt.	Economics of Air Transport of the Province of Madras, and States of Mysore, Travancore and Cochin.
Chemistry	Sri SP. Shunmughanathan M. Sc.	Studies on the Mercuration of Gama Pyrone Derivatives.

Candidates declared qualified for the Degrees.

History	Sri S. Arunachalam M. Litt.	History of the Pearl fishing in Tamil coast.
Tamil	Rev. Fr. Thauinayagam M. Litt	The Interpretation of Nature in ancient Tamil Poetry.
Chemistry	Sri V. Tiruvenkatachari M. Sc.	Studies on mercuration of aromatic compounds.
Mathematics	Sri M. Venkataraman Ph. D.	Chain Theorems in Geometry

Appendix B.

(Departmental Reports).

1. English

Staff:– Sri S. Krishnan resigned his lectureship at the end of the academic year 1948—1949. Another lecturer, Sri T. R. Lakshminarasiah, resigned soon after the University reopened. In July, Sri V. Sachidanandam, B. A. (Hons.), a graduate of this University, was appointed a lecturer. Sri G. Gopalakrishnan, lecturer in English, was also giving his services to the University Unit of the N. C. C. as Second Officer commanding. A fourth tutor was appointed in November.

Societies:– The club and the English Association have been carrying on their respective activities as usual. Sri G. Gopalakrishnan, was Adviser to the Association; and Sri. V. Sachidanandam succeeded Sri S. Krishnan as Adviser to the Club.

Library:– Books were coming in more freely than they did in 1948, though the number was kept down by the price level. Since July, the departmental library was used for Seminar work with English Honours Students.

2. Philosophy

Staff:– There was no change in the staff.

Teaching and Tutorial work:– Tutorial work was continued for the students of the B. A. Degree classes. Psychological demonstrations were arranged from time to time to give an experimental bias to the study of Psychology. Instruction in Logic was given in Tamil for the Senior Intermediate class.

Research and Research Students:– Research in Visishtadvaita Vedanta was continued by the Professor; and Sri D. I. Jesudoss was working on "The Saiva Saints—a study in the psychology of religion" and he was registered for the Ph. D.

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Library:– The seminar library was under the charge of Sri D. I. Jesudoss and it was fairly well utilized.

Philosophy Association:– Members evinced a keen interest in the work of the Association aud discussed problems of varied interest.

3. History & Politics

Staff:– Sri S. Tirugnanasambandam was appointed Lecturer in History. After training for three months Sri C. Thangayyan, Lecturer in History, became Adjutant and Quartermaster at the Head Quarters, Annamalai Independent Company (N C. C.), Annamalainagar. Prof R. Sathianatha Ayyar was put on the Editorial Committee for the History, Economics and Politics Volume of the Tamil Encyclopaedia.

Research:– Sri T. N. Vasudeva Rao, Research Student, started work in October on Buddhism in the Tamil country. The following papers were completed: Yusuf Khan and his services to the East India Company (Sri A. Krishnaswami); the Role of Ravivarma Kulasekhara in South Indian History (Sri P. K. Srivirarayan Raja); the Concept of Monarchy during the Sangam Age (Sri. C. Thangayyan); the Great battle at Tiruparambiyam and New Light on the Invasion of Bengal by Rajendra I (Sri S. Tirugnanasambandam. Prof. R. Sathianatha Ayyar contributed a chapter on South Indian History, A. D. 1000 to A. D. 1300, to Vol. V of the Bombay History of India.

4. Economics

Staff: During the year under report Dr. Chandrasekhar, who was away at Paris as Director of Demography in UNESCO rejoined duty as Professor of Economics. The post of a Reader in Economics was created to cope with the additional work of the Department and Sri V. G. Ramakrishna Ayyar was appointed to the same. Sri A. Subbiah who went away for training in National Cadet Corps joined duty in August 1949.

Teaching: The Department of Economics undertook to teach Economics for the Junior Intermediate both in English and Tamil as a parallel course and also continued to do the additional teaching work on Industrial Economics for Technology students. A special feature of this year's work was the organisation of seminars on Social Research for the Honours Students by Dr. Chandrasekhar.

Extra Curricular Activities: Dr. Chandrasekhar as consultant to the UNESCO attended the Conference on World Populations held at Geneva in August '49. He also addressed the Union of World Peace Organizations in Geneva, Switzerland. Both Dr. Chandrasekhar and Sri V G. Ramakrishna Iyer were invited to serve in the Editorial Committee of Economics, History and Politics Section of the Tamil Cyclopeadia. The sample survey on the working of Prohibition in South Arcot District was published. An investigation of the mat and rattan industries of Coleroon was conducted by some of the Honours students guided by Sri A. Ramaswami, Lecturer in Economics and the results of the investigation were being finalised with a view to publication by the University

The scheme of preparation of Tamil Text Books in Economics suitable to the B. A standard was sanctioned by the Syndicate and the work of writing the text books was allotted to the staff of the Department as follows.

Economics	I Mr. Lakshmanan
,,	II Mr. V. G. Ramakrishna Ayar
Economic History of India and England	Mr. A. Ramaswami
Co-operative and Rural Economics	Mr. A. Subbiah

Association: The Economics Association functioned as usual. Sri K. Ramamurthi was enrolled as a stipendiary Research scholar for the M. Litt Degree and he is working on 'Co-operative Banking in Madras'.

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5. Mathematics.

Staff:- Messrs T. Govindarajan, M. Venkataraman and R. Tiruvikraman left the service of the University to take up appointment elsewhere and in their places Messrs V. S. Krishnamurthi (promoted), T. Viraraghavan and M. R. Ramachandran were appointed.

The scheme of tutorial supervision and weekly tests was continued. The Mathematics Association and the Mathematics Circle did useful work.

6. Physics

Staff:- There were no changes this year.

Publication:- "ஈசன்" in Tamil by Sri R. K. Viswanathan was published during this year.

The Physics Society continued its usual activities with periodical meetings.

7. Chemistry

Staff:- Professor M. L. Joshi joined as the Head of the Department of Chemistry at the beginning of the academic year, Sri T. Saktivelu M. A., was relieved of his duties here to enable him to join the Thyagarajar College, Madura and Dr. V. Baliah M. Sc., Ph. D. (Stanford joined us in the last week of July.

Research:- The following members of the staff started work mentioned against their names.

Sri V. Gopalakrishnan and Dr. V. Baliah	Synthesis of Piperidine derivatives of Possible Therapeutic value.
Sri S. Krishnamurthi	Calcium Metabolism in animals. (In collaboration with the Zoology Department).
Sri Pl. Ramaswamy	Dehydration of Alcohol.

Sri Sp. Shanmuganathan	Production of Chemicals, especially Organic by electrical means.
Sri V. Thiruvenkatachari	Cyclisation and Mercuration studies in aromatic compounds.
Sri V. V. Ramanujam	The studies in the magnetic susceptibilities of manganese and Chromium compounds. (In collaboration with Sri S. Sriraman of the Physics Department).

Extra Curricular activities :– The practice of having weekly seminars consisting of IV and V Honours students and members of the staff was continued As usual the Chemical society was active especially in the second term. The members went on an educational tour to Mettur. Every afternoon the staff meets in the staff room over a cup of tea to discuss day to day problems, academic, organizational and, disciplinary.

8 Zoology

Staff:– (1) Mrs. P. Sankaramurthy B. Sc. (Hons.) was appointed as a Lecturer in the Department.

(2) Sri P. Raiakrishna Menon went on leave for three months. Sri K. Chakrapani, Demonstrator in Zoology was promoted to act a Lecturer in the place of Sri Rajakrishna Menon, and Sri K. Rangarajan research student in the Department was appointed to act as Demonstrator *vice* Sri K. Chakrapani.

(3) Sri T. S. Balasubramanyam Ist grade lecturer in the Department went on leave for one month and Sri. P. Annamalai an 'old boy' of the University was appointed as a temporary Demonstrator for the period.

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Research:- In spite of the very heavy demands made by teaching work on the Department, investigations on Fish Embryology and Molluscan Embryology were in progress. The following were the *publications* during the year:-

(1) "Cytology and Functions of the Brood-pouch epithelium of Melaniidae" by Sri K. Ramamoorthy– Journal of the *Zoological Society of India* Vol. II. (under publication).

(2) "*Uranatella indica* Seshaiya" by Prof. R. V. Seshaiya:- *Records of the Indian Museum.* Vol. XIV. Part IV.

Museum:- Among the interesting specimens added to the museum during the year under review were (1) King-cobra (2) Pangolin, (3) Egg of Ostrich. The thanks of the Department are due to the Superintendent of the Trichur Museum for presenting the specimens 1 and 2. The museum continued to be very useful in the teaching of Zoology. It attracted visitors from various educational institutions.

Extra-curricular activities:-

A local branch of the Zoological Society of India was formed with eight members on its rolls, and under its auspices four meetings (conversazione) were held. A Zoology Honours Club was also started and and it did useful work jointly with the Zoological Society of India.

Two excursions to Porto-novo were organised.

9. Tamil.

Staff:– In the staff there was no other change than that the Tutor Sri. D. Chinnathambi B. A. (Hons.) was on medical leave for a month and that during his absence Sri. R. Sarangapani B. O. L. was appointed in his place.

Research:- Sri. X. I. Thaninayakam B. A. (Hons.) who submitted a thesis for the M. Litt. degree in Tamil, after working under the guidance of the professor of Tamil, was awarded the degree for the thesis on "Nature and Sangam Classics"

Two research students, G. Venkatachalam B. A. (Hons.) and C. Tirumeni (Pulavar), were appointed in November 1949. They commenced their work.

General:- The Tamil Honours course was popular. Several post-graduate students also joined the course. The Tamil Honours club held its weekly 'discussion' meetings. The "Pulavar Manram" and the Tamil Literary Association conducted several meetings wherein papers were read and lectures delivered on topics relating to literature, history, philosophy etc.

In the Research section, the following persons did the work noted against each:—

Sri. G. Subramanya Pillai — Life of Kapilar & Paranar & History of Literature bearing on Padirrupattu and Paripadal.

Sri. E. S. Varadaraja Ayyar—Vaishnavaism and Tamil. Edition of the brochures 'Thittan' and 'Perumpanarrupadai' by late Mahavidwan R. Raghava Ayyangar.

Sri. T. V. Sathasiva Pandarathar—History of Tamil literature relating to the dark period.

Sri. A. S. Duraisamy Pillai—Saiva Poets of the 7th & 8th centuries A. D.

Sri. K. Vellaivaranam —Collected materials from Tolkappiyam wrote on Tolkappiya — payiram also collaborated with

Sri. P. S. Ramanujachariar in revising the manuscript of the translation of Kautilya's Arthasastra.

Sri. P. S. Ramanuiachariar—Translated chapters 135–150 of Kautilya's Arthasastra.

10. Samskrit

Staff:- Sri M. Natarajan, M. A., Lecturer in the Department spent two months of the long vacation in the Deccan College Post-graduate and Research Institute, Poona, to acquaint himself with the modern methods of Research. All the members of the Staff took a prominent part in the deliberations of the different cultural organisations in the Province. Dr. C. S. Venkateswaran contributed an article entitled "Ethics of the Puranas" to the new edition of the Cultural Heritage of India Series in seven volumes undertaken by the Ramakrishna Mission Institute of Culture, Calcutta.

Society:- The Samskrit Language and Literature Society continued to discharge its useful function. His Holiness Sri Sankaracharya of Puri addressed the society on "The Fundamental Principles of Hinduism". A symposium in nine different languages on "The nature of Divinity" was held, in which the students took part. The Vyasa day was celebrated. In connection with the Gita Day Celebrations, extempore speech competitions were held. Messrs T S. Bala subramanya Ayyar, M. A. L. T. and K. Gopalaswami Rao, B. A., B L. and Dr. C. Kunhan Raja addressed the Society during the year.

11. Engineering.

(a) General

(i) Four members of the Staff had been on N. C C. training.

(ii) The Department sent up the first batch of students for the final examination for B. E. degree in April 1949. A supplementary examination was conducted during October 1949. Examination in certain subjects of the III year had to be postponed and arrangements were made to have these subiects taught this year

(iii) The P. W. D, Railways and many quasi-Government and private Agencies offered practical training facilities during the summer vacation. The majority of students of the 2nd and 3rd year Engineering classes were greatly benefited by them.

(iv) During the year under review, the second stage buildings were occupied. Some changes in the original allotment of rooms were made to enable available space being used for laboratories. On the equipment side, the position was far more encouraging, though some difficulty was felt due to revision of dollar exchange and import policy. Strength of Materials Laboratory on the Civil side and the Machines Laboratory on the Electrical side were progressing satisfactorily. The measurement section of the Electrical Engineering Laboratory was kept in abeyance on account of inadequacy of teaching and subordinate staff.

The construction of Boiler House was complete. The equipping of the Workshop was progressing well with the arrival of some standarad machines like Do All Machines, Shaping Machine etc. Many more standard items of equipments are on order. Besides instruction and training programme, the Workshop considerably increased its activities by way of carrying out jobs for all the departments of the University utilising the hours when classes were not engaged.

(v) As in the last year, arrangements were made to send the final year students for intensive laboratory training to other Engineering Colleges.

Several of the third and fourth year students appeared for the Institution of Engineers Examinations. In April 1949, 55 students took Part A of the

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A. M. Examination and 45 students took part B. 28 in Part A and 23 in Part B. came out successful.

Library:- Arrangements were made for opening a sectional Library at Kothangudy for Engineering Students. Many useful books were added to this section.

Social:- The students took their share in all the social and athletic activities of the University.

Sectional Meetings:- As the main college Association for Engineering and Technology did not attract many students for ordinary meetings, its activities were mainly devoted to extra-ordinary meetings and educational film shows.

To create greater opportunity for students, study circles were introduced in the different branches of Engineering where students of the same branch met and discussed technical subjects.

(b) **Civil Engineering.**

Staff:- Dr K. C. Chakko continued as Head of the Department and Sri. S. Nataraja Ayyar's place as Professor was filled up by Sri G. S. Ramaswami.

Sri G. Alexander, Sri J. Krishnamurthy Rao and Sri S. Narendranath continued as Assistant profes. sors and Sri M. Kannan was promoted as Assistant Professor in place of Sri K. C. Abraham who left in March.

Sri T. Gangadharan, Sri K. R. Aswathnarayana Shetty and Sri K. S. Karpagavinayagam left to take up other appointments, and Sri R. M. Sethunarayanan, Sri Charles Norman and Sri D. Suryanarayana were appointed in their places.

Sri Manickavelu Mudaliyar joined duty as Draftsman.

Sri N. Rajagopalan continued as Lecturer in Geology.

Labs: Hydraulic:- A beginning was made by fitting up a few items of equipment in a room in the Technology Lab. Other equipments are arriving and more are on order.

S. M. Lab:- The equipments received were fitted up. Road materials equipment are on order.

Survey:- Some new Theodolites were added.

Survey Camp:- Was held for 2nd and 3rd year Engineering classes at the end of January at Cuddalore.

(c) Mechanical Engineering

Staff:- Professor C. A. Subrahmaniam left in July and Sri C. Rajaram was in charge of the Department till Sri S. P. Alim, the new Professor joined duty at the end of November 1949.

Sri B. Srinivasamurthy and C. Ramamurthy joined as Assistant Professor and Lecturer respectively in February 1949, and Sri S. Kannappan, Sri A. V. J. Fernandez and Sri N. Chandrasekaran as Lecturers in July 1949. Sri S. Xavier was appointed Draftsman. Sri G. R. Saghal, Sri P. Venkataraman and Sri Tirumani Mudaliar left to take up other appointments. The section had the full complement of staff viz., 9.

Teaching:- With the full complement of staff, Laboratory classes went on according to schedule. Efforts were made to give practical training to students in Steam practice in the Laboratory.

Laboratory:- Was shifted to the original S. M. Lab. building and equipment fitted up.

(d) Electrical Engineering

Staff:- Dr. N. C. Saha left on 11th September 1949 to take up appointment in Aligarh University and Professor R. C. Bhandari joined as Professor on the same date.

Sri K. P. Aravindaksha Menon left on the 8th of September. Sri V. Balasundaram who left in February, rejoined as Assistant Professor on 17th October 1949.

Laboratory is now fairly well equipped for 2nd, 3rd and 4th year students.

Industrial tour was arranged as usual.

(e) Workshop

Sri K. S. Ramamurthi continued as the Workshop Superintendent.

Training:- During the previous year, Workshop training classes were conducted for Engineering students of I, II, III and IV year and Technology student of I and II year. During the year under review, Technology final year students were also given training in the machine shop.

12. Technology

The activities of the Department were continued with Dr. M. U. Pai as Professor and Head of the Department. The first batch of Final year Technology stndents in Chemical Engineering was sent up for the Examination during this year. By the end of April, 1949, as per the new scheme sanctioned, Sri. B. Narayana Das was appointed Assistant Professor of Chemical Engineering.

All the equipment received for some of the mechanical operations were erected on foundations and are ready for working. Practically all the experimental units that had been ordered for from abroad were received and installed. In view of the change of the allocation of space made for the Technology laboratories, new plans to fit into the space available were drawn. Chemical Engineering laboratories were fitted up and it would be possible to conduct a few practical classes soon.

A number of text books and recent puhlications on Chemical Engineering and Technology were

added to the Departmental Library and most of the important journals were subscribed for. The total number of books in the library is over 500 and the number of journals is 30.

Towards the end of the year two places of lecturers were filled up and an intense programme of lecture work was followed.

13. Physical Education

Staff :- Sri M. S. Mohan and Sri D. S. Luther, left early in the year; and as a temporary measure, V. Kandasamy, a former assistant was appointed in their place. In July, Sri. V. Sabapathy, B. Sc., Dip. in Phy. Edn., joined the Staff as an Assistant and in August, Sri E. Venkataraman B. Sc , Dip. in Phy. Edn., joined. Mrs. C. Kalyanasundarammal was appointed Woman Assistant and she joined duty in September. During the year the work of the Staff was intensified in every direction; and for this purpose weekly meetings of the Staff were held on Saturdays to review or plan the work of the Department.

In place of an attender a regular clerk was appointed to cope with the increasing routine of desk-work in the Department.

Games Advisory Committee :- The Vice-Chancellor nominated the following members to the games Advisory Committee for the year :

1. Dr. K. C. Chakko
2. Dr. A. Chidambaranathan Chettiar
3. Sri S. Narendranath
4. Prof. T. P. Navaneethakrishna
5. Sri K. S Ramamurthy
6. Prof. R. Ramanujachari

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7. Prof. R. V. Seshaiya
8. Sri A. C. Subramanyan
9. Srimathi A. Bhagirathi Ammal, Warden, Women Students Hostel.

Compulsory Physical Training and Related Activities The activities went on as usual. The classes were organised into compact groups under different leaders for purpose of efficient instruction, but Physical Training continued to be given in large groups. Greater individual attention was paid to students needing corrective exercises and a few defective students regulary took corrective gymnastics under personal supervision of the Director.

With the appointment of the Woman Assistant, the instruction in skills of Women Students has been systematized and intensified and a greater number of Women Students played games regularly.

Health Instruction :- Health instruction was given in weekly classes to the Students of the first and third year classes; instruction to the Vidwan, Siromani, and Music Students was given in Tamil. Both for coaching and Health Education, ample use was made of visual aids, particulary through lantern slides or the Epidiascope.

Medicial Examination: At the commencement of the academic year, as soon as completed nominal rolls were secured, the Physical Examination of the students was taken up.

Conference and Committees: The Director represented this University on the Inter-University Sports Board at its meeting in Madras held in March. The Department sent exhibits on Health Education and Posture to the Educational Exhibition at Guindy, Madras, the exhibits containing a special model of the University playfields and those

pertaining to the record of work done by the Department in Posture training, Medical Examination and Indigenous Exercises.

Intramural Tournaments and Sports Activities: The Intra-mural Games competitions for the year were conducted as usual. Intra-mural Tournaments were held in 16 events and 183 teams took part. The B. A., and B. Sc. Classes won the Individual Championship

The Annual Athletic Sports were held on the 18th and 19th February, 1949, the Vice-Chancellor presiding. D Somasundaram I Class and S. V. Shunmugam E3 tied for the Championship.

External Matches and Tournaments: The Inter-University Tennis Tournament for the year 1948–49 was conducted here, the Universities taking part being Madras, Mysore, Travancore, Osmania (Hyderabad), Nagpur, besides Annamalai. Madras won the South Zone matches and had a walk over in the Finals which could not be played here as the Aligarh University team did not come.

The University Volley-Ball Team entered for the Loyola College Tournament in August. The University Team entered for the Inter-University Cricket Tournament this year.

A number of friendly matches were played with various teams both outside and on the home grounds.

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Appendix B-1.

Stength of Staff in the various departments.

Departments.	Prof.	Readers.	Lecturers. I Gr.	Lecturers. II Gr.	Lec. with Titles.	Tutors or Demonstrators.
1. English	1	1	3	3	—	4
2. Philosophy	1	-	-	1	—	—
3. History	1	-	2	2	—	—
4. Economics	1	1	2	2	—	—
5. Mathematics	1	1	3	4	—	—
6. Physics	1	1	3	3	—	2
7. Chemistry	1	-	3	4	—	3
8. Botany	1	-	1	1	—	1
9 Zoology	1	-	1	2	—	1
10. Tamil	1	-	2	7	1	1
11. Samskrit	-	-	1	7	1	—
12. Malayalam, Telugu, French Hindi-Urdu	-	-	-	2	2	—
13. Music	1	-	1	3	7	—
14. TamilResearch	-	-	2	--	3	—
15. Physical Education	1	-	-	4	—	—

Departments.	Prof.	Asst Prof.	Lecturers	Draftsman.
16. Engineering				
Civil	2	4	7	
Mechanical	1	1	5	
Electrical	1	1	2	
Workshop Supt.	-	1	-	
17. Technology	1	1	6	

APPENDIX B-2.

Strength of students in the various departments of study.

Name of the Dept.	Inter-mediate.	B A.	B. Sc.	B. A. Hons.	B. Sc. Hons.	Pulavar.	Siromani.	Sangitha Bushana	Engg.	Tech.
English.	514	108	117	61	29					
Philosophy.	44	35								
History.	112	51	37	23						
Economics.	110	106		96						
Mathematics.	200	16			19					
Physics.	386		62		20					
Chemistry.	386		44		25					
Botany.	186		44							
Zoology.	186		47		26					
Tamil.	396	69	66	29		62				
Samskrit.	72	15	31	4			14			
French.	27	8	5							
Malayalam.	4	11	8							
Telugu.	3	2	1							
Urdu.	6	3	1							
Hindi.	6		3							
Music.								86		
Engineering.									356	
Technology.										83

Appendix C.

Annamalai University, Annamalainagar

Annual Accounts 1948-49.

GENERAL FUND

RECEIPTS:-

I. (a) Tuition Fees.-			
Arts, Science and Engineering	2,09,804	0	0
Oriental (adjustment)	3,770	0	0
(b) Special Fees:-			
Admission Fees	780	0	0
Athletic Fees	9,590	0	0
Matriculation Fees	784	0	0
Union and Societies	3,241	0	0
Hand book and Miscellany	3,170	0	0
Laboratory Fees	15,780	0	0
Medical Inspection Fees	613	0	0
Library Fees	1,626	0	0
Registration Fees	5,556	0	0
Tennis	2,438	2	0
Boat Club Fees	216	0	0
Sports Miscellaneous	548	8	0
(c) Fines for late payment of fees:	355	9	0
	2,58,269	3	0
II. Examination Fees :-			
(i) Arts, Science, Engineering and Technology	52,475	0	0
(ii) Oriental	1,366	0	0
(iii) Entrance Test	200	0	0
(iv) Penalty for late payment	190	0	0
	54,231	0	0

III.	Miscellaneous Fees :-			
1.	Migration Certificate	482	0	0
2.	Marks and Extracts	2,537	0	0
3.	Penalty Fees	848	0	0
4.	Recognition Fees	...		
5.	Exemption Fees	1,696	0	0
6.	Membership Fees	1,595	0	0
7.	In Absentia Fees	1,755	0	0
		8,913	0	0
IV.	Miscellaneous Receipts :-			
1.	Sale Proceeds	16,448	3	6
2.	Disciplinary Fines	72	0	0
3.	Library Fines	361	6	0
4.	Laboratory Breakages and sale of instruments	17,673	13	0
5.	Sale of University Publications	3,261	5	0
6.	Sale of Library Tickets	2	2	6
7.	Miscellaneous :-			
(a)	Arrears of Fees	783	14	0
(b)	Lease of Trees	135	0	0
(c)	Contribution by Cochin Government	4,800	0	0
(d)	Excess recoveries etc.	89	11	0
(e)	Compensation Military Concessions	4,339	0	0
(f)	Contribution by District Board	166	11	0
(g)	Change of name	10	0	0
(h)	Provident Fund Contribution refunds	2,190	12	11
(i)	Miscellaneous	0	6	3
		50,334	5	2

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V.	Rent Receipts :-			
(i)	Staff Quarters	23,405	9	0
(ii)	Scavenging Fees	1,242	0	0
(iii)	Furniture Rent	12	0	0
(iv)	Miscellaneous Rent	2,840	6	11
(v)	Hostels–Rent Men Students	22,596	12	0
	,, Women ,,	1,152	12	0
		51,249	7	11
VI.	Interest Receipts :-			
	Current Account	61	0	0
	Permanent Endowment Fund	2,43,294	15	0
	Short Term Investments	3,494	1	0
		2,46,850	0	0
VII.	Statutory Grant.	5,02,000	0	0
VIII.	Electricity Receipts :-			
	Staff Quarters	5,202	13	6
	Departmental adjustments	6,554	6	0
	Meter Rent	947	4	0
	Men Students' Hostel	11,294	0	0
	Women Students' Hostel	1,157	12	0
		25,156	3	6
IX.	Lorry and Bus :-			
	Service receipts	2,956	3	6
X.	Sanitation Expenditure Contribution :-			
	Men Students' Hostel	2,717	0	0
	Women Students Hostel	430	0	0
XI.	Advance recovered :-			

Old (i) I. C. A. R.	1,251	11	10
(ii) General	33,073	0	4
Lapsed deposits	111	11	0
	37,583	7	2
	12,37,542	14	3

GENERAL FUND—CHARGES.

I. Administration			
(1) Salary— Vice - Chancellor	21,571	6	0
Registrar	4,786	13	0
Bursar	3,486	0	0
Office Staff	26,467	9	0
Labour Establishment	6,668	1	0
Administration T. A.	3,165	5	0
Contingencies :-			
Postage and Telegrams	2,783	13	3
Stationery	2,571	4	3
Petty Repairs	454	0	9
Printing and Binding	14,504	13	9
Books and Periodicals	254	11	0
Hot weather charges	4	0	3
Livery	422	7	0
Advertisement	5,125	2	0
Lighting	134	14	0
Railway Freight and Transit	173	0	0
Remuneration	3,310	0	0
Convocation	1,141	3	0
Founder's Day Expenses	914	6	6
Radio allowances	284	0	0
" Contingencies	129	1	6
Free Lighting	309	12	0
Miscellaneous	2,066	0	11

Chitrai School of Adult Edn.	999	4	0
	1,01,727	0	2
II. Garden :-			
Pay	7,338	8	0
Plants and seeds	113	12	9
Fencing materials	...		
Repairs and Improvements	24	14	0
Manure	...		
Contingencies	114	12	9
Electricity	164	6	0
Fodder	967	15	1
	8,724	4	7
III. Travelling Allowances	10,830	10	0
IV Examination Expenses	49,388	12	5
V Subscriptions :	1,883	14	6
Union and Societies	2,760	7	3
Electricity	40	10	0
	4,684	15	9
VI. Scholarships, Stipends and Concessions :			
Military Concessions	5,237	0	0
University Scholarships	7,347	0	0
Stipends – Tamil – Cash	3,721	11	0
– Adjustment	1,550	0	0
Samskrit – Cash	954	0	0
– Adjustment	390	0	0
Music – Cash	3,919	7	0
– Adjustment	1,830	0	0
	24,949	2	0

VII.	University Library :-			
	Salary – Librarian	2,983	0	0
	– Establishment	9,134	1	0
	– Labour Establishment	1,613	12	0
	Electricity	94	6	0
	Contingencies	1,005	7	3
	Book and periodicals	28,356	5	9
	Binding	1,989	11	0
		45,176	11	0
VIII.	Physical Education :–			
	Salary – Director of Physical Education	3,471	0	0
	– Assts. & Clerk	4,406	0	0
	– Labour Establishment	4,189	12	0
	Matches and Tournaments	2,487	0	0
	Rover Crew	247	12	0
	Electricity	76	0	0
	Contingencies	259	10	6
	Improvements to grounds	843	12	6
	Sports materials	4,771	0	9
	Coaching expenses	141	0	0
		20,892	15	9
IX.	Special Lectures	1,933	0	0
X	Departments of Studies :-			
	Arts – English	23,704	15	0
	– Philosophy	6,729	13	0
	– History	11,817	0	0
	– Economics	14,127	8	0
	– Labour Establishment	1,855	0	0
	– Electricity	65	10	0

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	– Contingencies	259	8	0
Science	– Mathematics – Staff	21,908	15	0
	– Labour staff	712	0	0
	– Electricity	50	14	0
	– Contingencies	35	0	0
Physics	– Staff	21,575	5	0
	– Establishment	2,586	0	0
	– Labour Staff	3,893	6	0
	– Electricity	229	9	0
	– Equipment	6,390	9	10
Chemistry	– Staff	16,272	10	0
	Establishment	2,886	8	0
	Labour Establishment	3,446	1	0
	Equipment and Contingencies	16,000	0	0
	Electricity	259	1	0
Botany	– Staff	7,446	13	0
	Establishment	673	0	0
	Labour Establishment	1,668	0	0
	Equipment	1735	4	2
	Electricity	165	2	0
Zoology	– Staff	9,633	0	0
	Establishment	734	0	0
	Labour Staff	1,629	8	0
	Equipment	2,002	1	3
	Electricity	44	6	0
Geology	– Staff	2,198	2	0
Oriental	– Staff (Tamil)	21,334	5	0
	– Samskrit Staff	15,487	4	0
	– Telugu Staff	819	9	0
	– Malayalam Staff	1,452	2	0
	– Music Staff	21,695	10	0
	– French Staff	1,430	0	0

	– Labour Staff	390	0	0
	– Hindi Staff	1,252	7	0
	– Labour Establishment	824	15	0
	– Contingencies	509	10	3
	– Electricity	75	14	0
	Engineering and Technology Staff	96,024	4	0
	Establishment	25,323	4	0
	Labour Staff	6,462	11	0
	Electricity	954	4	0
	Equipment, Contingencies & Workshop	82,370	2	9
	Appliances, Non–Science Depts.	4,954	7	0
		4,64,095	6	0
XI.	Research Department :-			
	Studentships	1,130	0	0
	T. A. and Contingencies	250	0	0
	Publications	8,416	10	0
	Department	10,171	0	0
		19,967	10	0
XII.	Lands and Buildings:-			
	Lands – Salary	982	0	0
	– Improvements	693	3	9
	Buildings – Salary – Engineer	4,693	3	0
	– Establishment Permanent and Temporary	16,397	1	0
	– Annual Repairs	23,982	9	6
	Insurance	1,671	5	0
	Kist and Taxes	1,949	3	6
	Contingencies	3,829	12	0
	Electricity – Street Lighting	974	12	0

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	– Water Supply	2,489	6	0
	– Guest House	290	0	0
	– Administration Buildings	237	2	0
	Guest House Contingencies	1,265	10	6
		59,455	4	3
XIII.	Health and Sanitation :-			
	Salary – Medical Officer	4,039	0	0
	– Establishment	4,363	8	0
	– Scavenging Establishment	6,639	7	0
	Medicines	5,320	11	9
	Electricity	168	6	0
	Instruments etc.		...	
		20,531	0	9
XIV.	Contribution to Provident Fund	12,458	11	0
XV.	Electricity – Salary–Engineer	3,076	10	0
	–Establishment	7,093	14	0
	Contingence	516	8	1
	Requisites	999	8	10
	Repairs and Replacements	5,750	2	0
	Purchase of current	7,166	1	6
		24,602	12	5
XVI,	Conferences	1,826	3	0
XVII.	Furniture	50,922	1	4
XVIII.	Lorry and Bus Pay – Establishment	1,836	5	0

	Petrol etc.	2,974	1	5
	Contingencies and Replacements	3,133	0	9
		7,943	7	2
XIX.	Contribution to the Women Students' Hostel	1,632	0	0
XX.	Transfer to constituted funds			
	1. Permanent Endowment Fund	55,000	0	0
	2. Building Fund	25,000	0	0
	3. Annual Repairs Fund	25,000	0	0
	4. Gratuity Fund	2,000	0	0
	5. Electricity Depreciation Fund	12,500	0	0
	6. Building Depreciation Fund	60,000	0	0
		1,79,500	0	0
XXI.	Advances Pending adjustment	44,427	4	6
	Transfer of surplus over 50,000/- as per decision of the Finance Committee	60,725	12	11
		12,16,395	1	3

BUILDING FUND ACCOUNT.

Receipts	Sale of Tender Forms	218	0	0
	Sale of Materials	6,471	2	0
	Store Account Credits	23,069	6	9
	Interest Receipts	12,522	0	0
	Government Grant	96,751	0	0

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	Transfer from G. F.	25,000	0	0
	,, R. F.	4,00,000	0	0
		5,64,031	8	9
Charges:	New Buildings	97,039	12	6
	Eletricification	15,406	3	6
	Store Account	1,36,197	11	9
	Investments made (2 Lakhs)	2,03,941	12	0
		4,52,585	7	9

PRIZES ENDOWMENT FUND.

Receipts:	New Endowments	4,500	0	0
	Interest from Investments	2,552	15	0
		7,052	15	0
Charges:	Prizes and Medals	902	15	6
	Goschen Scholarships	264	0	0
	Theagesar Trust Scholarship	50	0	0
		1,216	15	6

DEPOSIT ACCOUNT,

Receipts:	Hostel	42,044	4	0
	Laboratory Caution	5,525	0	0
	Miscellaneous	35,845	5	3
	Sundry Book Deposit	8,228	10	9
	Sundry I. C. A. R. Balance	359	15	0
		92,003	3	0

Charges:	Hostel	40,352	1	0
	Laboratory Caution	34,530	0	0
	Miscellaneous	28,711	6	0
		1,03,593	7	0

RAJAH SAHIB'S GIFTS.

(i)	Reading Room:			
	Interest Receipts	477	0	0
	Charges	...		
(ii)	Tamil Songs Endowment:			
	Interest receipts	507	0	0
	Charges	49	10	6

KASI MUTT ENDOWMENTS.

(i)	Thevara Tirumurai			
	Sale of paddy etc.	10.415	2	9
	Interest from Investments	450	0	0
	Prizes	...		
	Kist etc.	1,702	15	0
(ii)	OTHER ENDOWMENTS BY KASI MUTT			
	Interest receipts	4,346	10	0
	Prizes etc.	1,062	0	0
	Scholarships	135	0	0

PROVIDENT FUND ACCOUNT.

Subscriptions:	26,932	10	0
Contributions	12,458	11	0
Interest receipts	10,072	5	2
	49,463	10	2

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Subscriptions refunds	9,043	13	6
Contribution refunds	3,508	13	11
Investments made	15,000	0	0
	27,552	11	5

PERMANENT ENDOWMENT FUND.

Transfer from General Fund	55,000	0	0
Investment made (1 Lakh)	1,00,530	4	4

ANNUAL REPAIRS FUND.

Interest from Investments	5,054	1	0
Transfer from General Fund	25,000	0	0
	30,054	1	0
Charges	...		

ELECTRICITY DEPRECIATION FUND.

Interest from Investments	2,618	10	0
Transfer from General Fund	12,500	0	0
	15,118	10	0
Charges	...		

GRATUITY FUND.

Interest from Investment	388	8	0
Transfer from General Fund	2,900	0	0
Gratuity Payments	195	2	0

BUILDING DEPRECIATION FUND.

Transfer from General Fund	60,000	0	0
Charges	...		

RESERVE FUND.

Interest receipts	166	8	0
Surplus of the General Fund	60,725	12	11
Transfer to Building Fund	4,00,000	0	0

ENGINEERING AND TECHNOLOGY
CAPITAL ACCOUNT.

Government Grant	2,00,000	0	0
Interest from Investments	39,241	6	0
	2,39,241	6	0
Charges: Building and Capital Equipment	3,56,323	15	1
Land acquisition Expenses	252	9	0
	3,56,776	8	1

MEN STUDENTS' HOSTEL.

Receipts	3,87,075	2	0
Charges	3,85,955	4	7

WOMEN STUDENTS' HOSTEL.

Receipts	31,869	3	0
Contribution from General Fund	1.632	0	0
	33,501	3	0
Expenditure	35,192	10	0

Abstract of Accounts 1948-'49.

INVESTMENTS.

Account Head.	Opening balance	Investments made	Total	Realisation	Closing balance.
II. Building Fund	3,58,800 0 0	2,00,000 0 0	5,58,800 0 0	...	5,58,800 0 0
III. Prizes Endowment	67,900 0 0	...	67,900 0 0	...	67,900 0 0
IV. Deposits	1,11,500 0 0	...	1,11,500 0 0	...	1,11,500 0 0
V. RajahSahib'sEndowments					
i. Reading Room	15,900 0 0	...	15,900 0 0	...	15,900 0 0
ii. Garden	...	...	...	...	...
iii. Tamil Songs	16,900 0 0	...	16,900 0 0	...	16,900 0 0
VI. Kasi Mutt Endowments:					
1. Tevara Tirumurai	15,000 0 0	...	15,000 0 0	...	15,000 0 0
2. Other Endowments	1,40,200 0 0	...	1,40,200 0 0	...	1,40,200 0 0
VII. Provident Fund	2,59,225 7 1	15,000 0 0	2,74,225 7 1	...	2,74,225 7 1
VIII. PermanentEndowmentFund	70,00,000 0 0	1,00,000 0 0	71,00,000 0 0	...	71,00,000 0 0
IX. Tech. Cap. Account	12,83,900 0 0	...	12,83,900 0 0	...	12,83,900 0 0
X. Constituted Funds					
1. Annual Repairs	1,70,700 0 0	...	1,70,700 0 0	...	1,70,700 0 0
2. ElectricityDepreciation	85,100 0 0	...	85,100 0 0	...	85,100 0 0
3. Gratuity Fund	11,700 0 0	...	11,700 0 0	...	11,700 0 0
4. Building Depn. Fund	...	...	...	...	...
5. Reserve Fund	4,800 0 0	...	4,800 0 0	...	4,800 0 0
	95,41,625 7 1	3,15,000 0 0	98,56,625 7 1	...	98,56,625 7 1

Abstract of Accounts 1948-'49.

INVESTMENTS.

Account Head.	Opening balance	Investments made	Total	Realisation	Closing balance.
II. Building Fund	3,58,800 0 0	2,00,000 0 0	5,58,800 0 0	...	5,58,800 0 0
III. Prizes Endowment	67,900 0 0	...	67,900 0 0	...	67,900 0 0
IV. Deposits	1,11,500 0 0	...	1,11,500 0 0	...	1,11,500 0 0
V. RajahSahib'sEndowments					
i. Reading Room	15,900 0 0	...	15,900 0 0	...	15,900 0 0
ii. Garden	...	...	...	...	...
iii. Tamil Songs	16,900 0 0	...	16,900 0 0	...	16,900 0 0
VI. Kasi Mutt Endowments:					
1. Tevara Tirumurai	15,000 0 0	...	15,000 0 0	...	15,000 0 0
2. Other Endowments	1,40,200 0 0	...	1,40,200 0 0	...	1,40,200 0 0
VII. Provident Fund	2,59,225 7 1	15,000 0 0	2,74,225 7 1	...	2,74,225 7 1
VIII. PermanentEndowmentFund	70,00,000 0 0	1,00,000 0 0	71,00,000 0 0	...	71,00,000 0 0
IX. Tech. Cap. Account	12,83,900 0 0	...	12,83,900 0 0	...	12,83,900 0 0
X. Constituted Funds					
1. Annual Repairs	1,70,700 0 0	...	1,70,700 0 0	...	1,70,700 0 0
2. ElectricityDepreciation	85,100 0 0	...	85,100 0 0	...	85,100 0 0
3. Gratuity Fund	11,700 0 0	...	11,700 0 0	...	11,700 0 0
4. Building Depn. Fund	...	...	...	...	...
5. Reserve Fund	4,800 0 0	...	4,800 0 0	...	4,800 0 0
	95,41,625 7 1	3,15,000 0 0	98,56,625 7 1	...	98,56,625 7 1

Abstract of Accounts 1948—'49.

CASH.

Account Head.	Opening balance.	Receipts.	Total.	Charges.	Closing balance.
I. General Fund	28,852 3 0	12,37,542 14 3	12,66,395 1 3	12,16,395 1 3	50,000 0 0
II. Building Fund	780 14 0	5,64 031 8 9	5,64,812 6 9	4,52,585 7 9	1,12,226 15 0
III. Prizes Endowment	1,477 15 10	7,052 15 0	8,530 14 10	1,216 15 6	7 313 15 4
IV. Deposits	27,514 4 2	92,003 3 0	1,19,517 7 2	1,03,593 7 0	15,924 0 2
V. Rajah Sahib's Endowments					
1. Reading Room	2,775 15 4	477 0 0	3,252 15 4	...	3,252 15 4
2. Garden	860 15 3	...	860 15 3	...	860 15 3
3. Tamil Songs	4,311 3 8	507 0 0	4,818 3 8	49 10 6	4,768 9 2
VI. KasiMutt Endowment					
1. Thevara Tirumurai	18,744 6 2	10,865 2 9	29,609 8 11	1,702 15 0	27,906 9 11
2. Other Endowments	17,023 9 10	4,346 10 0	21,370 3 10	1,197 0 0	20,173 3 10
VII. Provident Fund	9,296 1 11	49,463 10 2	58,759 12 1	27,552 11 5	31,207 0 8
VIII. Permanent Endowment	55,146 7 9	55,000 0 0	1,10,146 7 9	1,00,530 4 4	9,616 3 5
IX. Technology CapitalA/C	1,09,531 10 11	2,39,241 6 0	3,48,773 0 11	3,56,576 8 1	7,803 7 2
X. Constituted Funds:					
1. Annual Repairs	27,969 0 3	30,054 1 0	58,023 1 3	...	58,023 1 3
2. Electricity Deprn.	12,781 0 10	15,118 10 0	27,899 10 10	...	27,899 10 10
3. Gratuity Fund	2,255 7 2	2,388 8 0	4,643 15 2	195 2 0	4,448 13 2
4. Building Depn.Fund	...	60,000 0 0	60,000 0 0	...	60,000 0 0
5. Reserve Fund	4,11,316 0 4	166 8 0	4,11,482 8 4	4,00,000 0 0	72,208 5 3
		60,725 12 11	60,725 12 11		
XI. Men Students' Hostel	24,149 4 0	3,87,075 2 0	4,11,224 6 0	3,85,955 4 7	25,269 1 5
Women ,, ,,	...	33,501 3 0	33,501 3 0	35,192 10 0	1,691 7 0
Total	7,54,786 8 5	28,49,563 2 10	36,04,349 11 3	30,82,745 1 5	5,21,604 9 10

Audit Report on the Accounts of the Annamalai University,

FOR THE YEAR 1948—49.

(49)

Name of Auditor: Sri V. RANGARATNAM, B. A. District Inspector of Local Fund Accounts.

Time taken for audit: From 8–8–49 to 18–9–49.

1. The Office of Vice-Chancellor was held by:–

(i) M. Ruthnaswami, Esq., M. A., (Cantab) Bar-at-Law, C. I. E., From 1–4–1948 to 7–7–1948; (ii) Dr. A. Chidambaranatha Chettiar, M. A., Ph. D., from 8–7–1948 to 22–11–1948; and (iii) Dr. S. G. Manavala Ramanujam, M. A., Ph. D. (London) D. I. C., from 23rd November 1948 to 31st March 1949.

The office of Registrar was held by (i) Sri G. D. Nandagopal, M. A., from 1–4–48 to 16–8–48; (ii) Sri K. P. Kandaswami Pillai, from 17–8–48 to 6–9–48 and (iii) Sri S. Satchithanandam Pillai, B. A., L. T., from 7–9–48 to 31–3–49.

2. The opening balance in the cash book is in agreement with the closing balance of the previous year. The closing balance as per cash book is as shown below:—

Unremitted cash on hand.	Rs.	9,561—10—7
Balance in the Treasury		4,25,039—12—0
Balance in the Bank		87,003— 3—3
Total		5,21,604— 9–10

In the absence of the statement showing the closing balance in the Treasury at the end of the year which was pending receipt from the Accountant-General, Madras, the balance in the Treasury as shown above could not be certified to. The closing balance in the Bank is, however, in agreement with the balance appearing in the Bank Pass Book after allowing for outstanding cheques at the end of the year.

The statements of receipts and charges are appended.

3. *Objection Statements:*— The more important irregularities are detailed below. The irregularities noticed during the concurrent audit and annual audit of the accounts have been communicated in monthly and annual objection statements which should be treated as part of this audit report.

4. *Pending objections of previous years:*— The remarks of this department on the replies to the audit report for 1947—48 communicated with G. O. No. 2184 Education, dated 7—7—49 remained to be answered. They are detailed below. Early action is called for in the matter.

Paragraphs 5 & 11 of the audit report for 47—48.
Paragraph 9 of 45—46 and 21 of 46—47.

Land accounts of fasli 1356 - defects:— (a) The action taken about the missing pages in the ledger and register of grain accounts may be stated.

Reply:— The figures in the missing pages have been worked out from original records and no error is noticed. Now that the services of the land maistries have been dispensed with, no further action would be necessary.

(b) It may be stated whether the value of paddy pending recovery from the following University employees were recovered, and if so, the date of recovery and credit for the amount may be pointed out.

Swamikannu Pillai, Watchman	10 Kalams,
Antony, Peon	10 Kalams,
Jagannadhan, Flying Officer	24 Kalams,
Gopalakrishnan	4 Kalams,
Pichandi	2 Kalams,
Narayanaswami	3 Kalams,

Reply:— All items except the dues from Flight Liet. D. Jagannathan have been realised. He has been written to, to clear off the arrears.

5. *Paragraph 7 of the audit report for 1947—48.*
,, 2 ,, *1946—47.*

Discrepancy between the cash book and Accountant-General's Figures:— The final result of the correspondence with the Accountant - General, Madras regarding the discrepancy between the Departmental and Treasury figures may be intimated.

Reply:— The matter is still under correspondence with the Accountant – General.

6. *Paragraph 12 of the audit report for 47—48.*
,, 24 ,, *46—47.*

Annual verification of stocks and stores 45—46 and 46—47.

DISCREPANCIES – ACTION PENDING:—

A perusal of the annual verification statement and the report of the stock register showed that there were

several cases of shortages of articles. No action would appear to have been taken to investigate into the causes of such shortages and fix up responsibility.

As regards the annual verification for 1946—'47 the result of the scrutiny and the action taken to set right the discrepancies noticed may be stated. The subject would need to be taken before the Syndicate and definite orders obtained on the discrepancies between the actual balance and book balance according to the stock verifier's report.

Reply:— The remarks of the Heads of Departments are being received and are being scrutinized. Suitable action will be taken on them very soon.

7. *Paragraph 17 of the audit report for 1947—48.*

TENDERS OR QUTATIONS NOT INVITED FOR PURCHASES MADE IN THE ENGINEERING AND PHYSICAL EDUCATION DEPARTMENTS:—

Since the rules do not provide for any deviation even in the circumstances mentioned in the reply, the sanction of the Syndicate ratifying the purchase without inviting tenders would need to be obtained.

Reply:— In view of the urgency, we were not able to comply with the rules strictly. Since ratified by Syndicate on 3—2—50.

8. *Paragruph 20 of the audit report for 47—48*

Agreement not obtained from the bricks contractor:—

An Agreement should have been taken and the Syndicate should have approved the contract. The matter may now be reported to the Syndicate for ratification.

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Reply: - The mater is still under investigation.

9. *Paragraph 21 of the audit report for 47—48.*

Payment at rates higher than the agreed rates – Transport of bricks:— The reply furnished to the audit objection did not meet the points raised in the objection The specific sanction of the Syndicate should be obtained for this excess payment of Rs. 159—7—0.

Reply:— The specific sanction of the Syndicate has since been obtained on 3—2—50.

10. *Paragraph 24 of the audit report for 47—48.*

Instruments transferred to co-operative stores for sale -account not obtained:— The nature of investigation stated to be made may be specified. What is required in audit is a list of instruments transferred to the stores with their cost, the amount remitted by the stores by way of sale proceeds and the balance of stock unsold. It should not be difficult to furnish this account. Early action is called for as delay is likely to result in loss.

Reply:— The instruments have been ordered to be taken over from the Co - operative Stores and the account settled.

11. *Paragraph 26 of the audit report for 47—48.*

Advances pending adjustment:— The progress made in the adjustment of advances may be reported.

Reply:— Out of the pending advances of Rs. 46,147—2—7 on 31 — 3 — 1948 a sum of Rs. 33,073—0—4 has been adjusted. A. Nathamuni

Naidu and the Trichy United Printers furnished account for the paper and these are being scrutinised. These two items also will be adjusted during this year.

12. *Paragraph 30 of the audit report for 47—48.*

HOSTEL ACCOUNTS – LOSS DUE TO DEFAULT OF CONTRACTORS:—

(a) The loss of Rs. 38—8—0 due to be recovered from Tropical Traders, Kumbakonam was pending recovery. If the amount is not recoverable, the full facts of the case would need to be explained to the Syndicate and its sanction obtained to waive the loss.

The action taken on the audit suggestion to invite tenders for longer periods so as to attract wholesale suppliers may be stated.

(b) Please state whether the recovery of Rs. 66—2—0 was effected from S. Rathakrishna Pillai as promised.

Reply:— The loss of Rs. 38—8—0 is now written off by the Syndicate on 3—2—50.

Now tenders are invited for a term and not for a month as was originally done.

(b) The loss of Rs. 66—2—0 is now written off by Syndicate dated 3—2—50

13. *Paragraph 31 of the audit report for 47—48.*

HOSTEL ACCOUNTS – ARREARS PENDING REALISATION FROM STUDENTS:—

The position of the arrears as on 31—3—1949 is given below. These large arrears would not have left

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over if the charges had been regularly recovered month after month. It may be stated how this loss is proposed to be met. Necessary action would need to be taken without any further postponement and the orders of the Syndicate obtained in the matter.

POSITION OF ARREARS ON 31—3—1949.

Year	*Men's Hostel*	*Women's Hostel*
1942—43	291-11—0	23—7—0
1943—44	790—9—0	12—4—0
1944—45	1460—3—0	39—4—0
1945—46	1375—4—0	8—8—0
1946—47	1225—1—0	83-10—0
1947—48	3810-12—0	102-14—0
	8953—8—0	269 15—0

These arrears include rent, lighting and Establishment charges also.

Reply:— Vigorous steps will be taken to realise the arrears as soon as possible.

14. INADMISSIBLE PAYMENTS.

Extra charges paid for sawing timber after the accounts were finally closed — Vr. 334/5-48: One Kunjunni agreed for sawing timber at 13 sq. ft. per rupee for country wood and 12 sq. ft per rupee for Teak and Rose wood in 1946. Timber to the extent of 11,213/216 sq. ft. was sawn and he was paid wages amounting to Rs. 891/13 and his account was closed. On a petition from him subsequently that the wages paid were not adequate, the closed account was reopend, and he was paid Rs. 127—9—0 in May 1948 calculated at 11 sq. ft.

per rupee. The reopening of the account of a contractor after it was closed without the sanction of the Syndicate was irregular, especially after an interval of 18 months. The payment of Rs. 127—9—0 is inadmissible.

Reply:— The sanction of the Syndicate for the payment of Rs. 127—9—0 has since been obtained on 3—2—50.

15. *Payment of sales tax on the supply of granite jelly inadmissible:*— The supply of granite jelly to the University was entrusted to one Arockiaswami Nadar of Tanjore at the following rates after inviting quotations.

$\frac{1}{2}$″ to 3/4″ jelly at Rs. 68/—
1″ to $1\frac{1}{4}$″ ,, 48/— Rs. 9442/- paid.

In addition to this amount, he was paid sales tax of Rs. 146—1—3 (vrs. 346/5-48 and 880/7-48) There was no mention in the quotation about the payment of sales tax and no agreement was obtained from him for the contract.

It has to be mentioned in this connection that no sales tax was paid to other jelly contractors and the reasons for deviation in the case of this contractor were not explained. The approval of the Syndicate to the payment was wanting.

Reply:— Sanction of Syndicate has been obtained for payment of Sales Tax on supply of jelly on 3—2—50

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16. SPORTS MATERIALS – PURCHASE OF – DEFECTS:—

Vr. 1343 & 1344/9—48	Rs. 1206—5—0
1742/11—48	451-12—0
2610/2—49	371—8—0
2611/2—49	676-14—0

Sports materials were obtained at the discretion of the Director of Physical Education from several companies i. e. Pioneer Sports Company, Madras; Robertson & Company, Trichy; Uberois Ltd., without calling for quotations. From the file of papers it was seen that the Director of Physical Education requested permission to dispense with tenders or quotations and to select the materials personally by undertaking journeys to the various places. The request was not granted and the Syndicate ordered that quotations should be called for and orders placed only after obtaining the sanction of the Vice-Chancellor. Purchase without calling for quotations but by personal selection was authorised to be made only when necessary. Nevertheless, purchases were mostly made after personal selection.

It was further seen that materials were purchased from companies which did not quote at rates quoted by other companies.

e. g. Purchase from Uberois at the rates of Sherman & Company and Pioneer Sports Company.

Purchase from Sherman & Company at the rates of Pioneer Sports Company. The object of the Tender or quotation system is defeated when purchases are made from one firm at the rates quoted by others.

The rules lay down that comparative statement of rates quoted should be submitted to the Syndicate in a confidential box and that the Syndicate's decision should be obtained. Such sanction was wanting in respect of the purchases referred to in this paragraph.

Reply:— The procedure suggested will be followed in future.

17. *Irregular grant of advance to Co-Operative Stores* - Rs. 40000 Vr. 1928/11—48:— The Secretary, Annamalai University Co-operative Stores applied on 30—11—48 for an advance of Rs. 40,000 from the Hostel funds for the purchase and stock of rice, recoverable in four instalments of Rs. 10,000/— each. The advance was sanctioned and paid on 30—11—48.

It was however observed that the Co-operative Stores purchased rice only for Rs. 10,000/— and deposited Rs. 10,000/— in the Post Office Savings Bank in its name, and refunded Rs. 20,000/— on 15—12—48 and 29—12—48 at Rs. 10,000/— on each occasion. The advance paid was thus far in excess of requirements, and the Co-operative Stores should not have been permitted to credit part of the money to its own account.

Reply:— The advance has been fully adjusted. This will be avoided in future.

18. *Deposits received from Students for supply of Text Book - Work entrusted to University Stores - Proper Accounts not maintained.* The Vice-Chancellor ordered that the University should supply text books to the students and for this purpose ordered the collection of deposits from students at varying rates

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for the several classes. The amounts were not classified as miscellaneous deposits and entered in the deposit register. A separate manuscript register was maintained to show the names of students and the amounts paid by each. The total amount realised as per accounts maintained was Rs. 31,000/—

Out of this sum, Rs. 20,000/— were paid to the University Co-op. Stores (an institution quite distinct from the University) and it was asked to indent for the books and supply them to the students. Probably, this sum was paid to the stores as advance to finance it.

The system thus introduced ended in the mingling of the transactions on account of these deposits in the accounts of both the University as well as the Co-operative Stores. It has now resulted in confusion in that there is no proper account either in the University stores or in the University Office. There is no account in the Stores showing the names of students, the amount deposited by each, the value of books supplied and the balance of amount due to be refunded to each. There is also no account in the University with similar details. In the manuscript register maintained, refunds made to some students have been noted.

The University Co-operative Stores seems to have on hand an appraciable quantity of text-books remaining unsold, and it does not seem inclined to pay back the balance of Rs. 20,000/— less the total value of books actually supplied to the students. The question now arises as to how the University is going to recoup the advance of Rs. 20,000/— and repay to the students what is due to them.

According to a statement furnished by the Co-Operative Stores, the stores has also with it survey etc. instruments transferred from the University Departments and valued at Rs. 4056—6—0. This sum should have been recovered from the Stores and credited to the University Funds, It may now be done. Early steps would need to be taken to write up the account for each student and to refund to him the balance out of his deposit after taking into account the value of the books etc. supplied.

It was also seen that out of Rs. 20,000/— given to the Stores, value of books purchased during 1948-49 was Rs. 15,578—1—9. Even remaining cash of Rs. 4421—14—3 was not refunded to the University. Co-operative Stores is altogether a separate institution and its responsibility to adjust the cost of books actually supplied to the students and to refund the balance of amount advanced to it should have been clearly defined.

Reply:— For the collections made in the University Office, there are accounts. Regarding the recovery of the balance from the Co-operative Stores, the Vice-Chancellor has appointed a committee to look into the matter and also make recommendations. The instruments have since been ordered to be transferred to the Engineering Department.

19. *Delay in the refund of advance* - Vr. 1015/8-48-Rs. 198—12—0

A sum of Rs. 400/- was advanced to the caretaker of the guest house on 7—4—1948 for the purchase of articles such as table-cloth, hurricane lights etc., for

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use in the guest house. The articles would appear to have been purchased in April itself to the extent of Rs. 198—12—0 (though adjusted only in August 1948) The balance of Rs. 201—4—0 was however refunded only on 17—7—48 after a delay of over 3 months.

Reply:— Such delays will be avoided in future.

20. *Avoidable Expenditure* :- Vr. 2961/3—49 - Rs. 145/3/6 - Electrical materials to the value of Rs. 109—11—6 were purchased at Madras,, for use in the Electrical Engineering Laboratory, and a traveling allowance of Rs. 35-8-0 was paid to the foreman for his journey to Madras and back to purchase the same. The materials could as well have been obtained by sending an order through post. The necessity to go to Madras spending Rs. 35—8—0 towards, travelling allowance to make this small purchase was not explained. The special sanction of the Syndicate would need to be obtained to this avoidable expenditure.

Reply:— The Professor of Electrical Engineering has explained the necessity for sending a special man to Madras to buy these small assorted type of hardware materials. Obtaining quotations for such sundry materials is not possible.

21. *Public works - Defects* :- Vr. 820 and 822/7—48 Rs. 165/- Shrubs to the extent of 65,743 sq. ft. were stated to have been removed from the lands of the Southern reservoir and the workers paid for at Rs. 0—8—0 per unit. The area taken up for clearance was not measured in advance prior to the execution of the work so as to exclude areas where there was no growth or where clearance was previously made. In all such

cases, the measurements of the area to be cleared should be taken before the commencement of the clearance work and payment made after a certificate of the work done is furnished.

Reply:— Advance measurement was taken by the Overseer vide his diary for 5—7—48.

(b) The following two works were entrusted to the contractor Sri G. Sundarasam Pillai for execution. But only one agreement was obtained for both the works instead of each work.

Construction of slaughter-house - Estimate Rs. 3,500/—

Improvements to Travancore Hostel Dining Hall.

22. *Tenders not invited for works*:– (1) An estimate for Rs. 2,500 was prepared for the construction of urinals in the hostel compound and the work was entrusted to Sri G. Sundarasam Pillai, Contractor, at the rates quoted by him for the construction of the lecturer's quarters. No tenders were invited for this work, nor was the sanction of the Syndicate obtained to dispense with tenders.

Reply:— Owing to the dearth of contractors the work was given to the same Contractor at the rates tendered by him and accepted for Lecturers' Quarters.

(2) An estimate for Rs. 1200 for the construction of a garage to Dr. K. C. Chakko's quarters was prepared and the work was entrusted to Sri G. Sundarasam Pillai without inviting any tenders. The circumstances under which no tenders were invited would

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need to be explained and the sanction of the Syndicate obtained.

Reply:— Sanction of the Syndicate has been obtained vide Resolution No. 40 dated 23—7—49.

(iii) The iron materials such as hinges bolts nuts, nails, screws brushes etc. required for the construction of the Engineering and Technology blocks were purchased from different firms without any reference to the cost as per quotations received. It would appear that the Engineer requested ratification of his action as he had to place orders with reference to the quality of materials as per samples received along with the quotations. The Syndicate, however requested the Building Committee to examine and send a report, and the Building Committee in turn had called for a statement of the purchases with other details necessary for the purpose. The recommendations of the Building Committee and the orders of the Syndicate there on may be intimated.

Reply:— Sanction of the Syndicate has been obtained on 13—2—49.

23. *Engineer's Stores - Annual Verification and Disposal of Surplus Materials pending*:- The construction of several buildings was done from 1945–46 departmentally and this was stopped from 48–49, when execution through contract agency was resorted to. Several materials such as iron, cement, bricks, timber, planks, posts etc., were purchased during departmental execution and there were balances left at site and in stores at the time there was change in the agency for execution viz., by contract. A verification of the

actual stock of these materials would need to be made by a qualified officer and checked with the book balance and suitable action taken to reconcile or account for the differences. It is also necessary that the materials not required are disposed of before they get deteriorated. Early action is called for in the matter.

Similarly, the stock account of instruments and tools and plant pertaining to the Engineering Department would need to be checked and verified by the Engineer and discrepancies noticed, if any, would need to be set right. Chestern's tape 100 feet with case was shown as issued to K. Sivaraman Pillai but remained to be returned by him.

Reply:— The Civil Engineer has prepared a list and action is being taken to dispose them off. The Special Officer has made the verification and sent his report. Action will be taken on these notes.

The Chesterman's tape has been received back from the Overseer on 15—9—47.

24. *Hire Charges or Rent for tools and Plants – Not recovered from the Contractors* :- It was noticed that no rent or hire charges were recovered from the contractors for the use of tools belonging to the Univetsity and lent to them. As the contractors are expected to use their own tools, the lending of such articles without recovering hire charges is not in the interests of the administration. A schedule of hire charges may be prepared and got sanctioned by the Syndicate.

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Reply:— The schedule is under preparation.

25. *Sale produce - Pending realisation*:- 459 bags of II sort paddy (918 Kalams) at Rs. 12—10—6 per bag amounting to Rs. 5809—3—6 and 20 bags of 25 measures of greengram costing Rs. 730—1—0 were sold to the University Stores. But only a sum of Rs. 357—8—0 towards the cost of 10 bags of greengram was received leaving a balance of Rs. 373—4—0 towards the cost of greengram and Rs. 5809—3—6 towards the cost of rice pending remittance till the close of audit.

The specific santion of the Syndicate would need to be obtained to the credit sale, and the balance due should be realised at an early date.

Reply:— The amount due has been realised and the sanction of the Syndicate for the credit sale has been obtained. on 3—2—50

26. *Annual verification of stocks and Stores - pending for* 1948—49:- The annual verification of the stock of articles in all the departments, College, office, Library and Hostel after the close of the year is stated to be in progress. The result of the verification in the previous years and the action taken on the verification reports may also be stated.

Reply:— The Report of the Special Officer is awaited. The action taken by the Syndicate on previous years' reports will be communicated.

27. *Provident Fund rounding off pies – Suggested* :- The provident fund account of each subscriber is now being maintained correct to a pie. It is suggested that

the account of each subscriber is rounded to the nearest anna if not to the rupee as is being done in the case of Local Bodies' Provident Fund.

Reply:— The amount will be rounded off to the nearest anna from 1—4—49.

28. *Preparation of pay Bills - Defective procedure:-* (a) The pay bill of every section and department is prepared in the University Office only and not in the respective departments. As it is necessary to know that the incumbents for whom pay has been drawn have actually worked for the period, it is suggested that the Heads of Departments and sections are required to furnish necessary certificates in the skeleton bills prepared by them.

(b) It was also noticed that claims for arrears of pay were made in the main bill of the month. This is not correct. Claims for arrears of pay should be preferred in separate bills giving reference to the bill in which the claims were withheld originally.

(c) absentee statements were not prepared and enclosed to pay bills even though the omission was pointed out in the monthly objection statements.

Reply:— (a) Skeleton pay bills are being obtained now.

(b) and (c) Noted for guidance.

29. *Registers not maintained :-* The following registers were not maintained or were not made available for audit.

(i) Miscellaneous Demand Register (for watching recovery of rents, Electric charges and other dues)

(ii) Register of Miscellaneous Sales.

(iii) Register of works.

Several constructions have been in progress and for some of the Major works Government grants are being received. No account was maintained to show the monthly and progressive expenditure on such scheme works, actually incurred. Such a record is essential since the final admission of the total grant received, as correct will depend on an examination of the total progressive expenditure as recorded in the Register of works for wich grants are being paid by the Accountant–General on the certificate of the Executive Engineer about the value of work done.

Reply:— All the registers are being maintained. The Register of expenditure for grant works is also being maintained.

30. *Hostel Accounts :-* Excess or inadmissible payment :- Coffee powder was being purchased from the India Coffee House, Annamalainagar, and the rate agreed was Rs. 1—9—0 per lb. for the purchases till June 1948. But payment was made at Rs. 1—15—0 per lb. for the powder purchased from 29—3—48 to 24—4—48 and a sum of Rs. 1470—8—0 was paid in Vr. 20/4—48. As the agreed rate was Rs. 1—9—0, the payment at Rs. 1—15—0 was irregular and the excess payment would need recovery.

Reply:— Payment was made at the controlled rate fixed by the Government of India (India Coffee Board)

31. *Loss due to failure of Contract – Ghee Supply:* – Rs. 900/- Vr. 23/4—48. The supply of Ghee for the period from January 1948 to April 1948 was entrusted to one M. S. Palaniyappa Chetty of Chidambaram at Rs. 60/- per tin as tendered by him As he could not supply ghee of the quality tendered by him ghee was obtained from A. S. & Company, Tiruppur at Rs. 75/- per tin, and 12 tins were purchased. There was thus an excess payment of Rs. 15/- per tin due to the failure of the original contractor M. S. Palaniappa Chetty. The loss of Rs. 180/- was still pending recovery.

Reply:— Steps will be taken to realise the dues.

32. *Loss due to failure of contract- Firewood supply:-* The tender of one Ganesam Pillai for the supply of 100 tons of casurina firewood at Rs. 29/- per ton for the period from January 1949 to March 1949 was accepted and an agrement was also executed by him on 9–12–48. As the contractor failed to supply, purchases had to be made from other sources paying at Rs. 31/- to 33/- per ton resulting in an excess payment of Rs. 269/- (vide details in items 133 to 138 of the objection statement for the period January to March 1949). The loss of Rs. 269/- was pending recovery from the defaulting contractor. His bills were paid in full without effecting necessary recoveries.

Reply:— The matter is under investigation.

33. *Delay in the return of objection statements and further remarks with replies :-* The following objection statements and further remarks were still pending return with replies.

Month of Objection Statement or Further Remarks.	Date of Despatch.
(i) Objection Statements :	
March 1948	29—7—48
April to June 1948	12–11—48
July to September 1948	7—2—49
October to December 1948	30—4—49.
(ii) Further Remarks :	
Annual Objection Statement 45—46	14—9—48
April to July 46, October 46	19—7—48
August 1946	10—5—48
September 1946	19—7—48
November and December 1946	9–12—48
January & February 1947	,,
March 1947	15–12—48
April 1947 to June 1947	2—3—49
July 1947 to August 1947	9—4—49
September to November 1947	11—5—49.

Reply:— All the objection statements will be returned soon. The delay is due to shortage of clerical staff.

34. *Result of Audit :-* The General Result of audit may be considered satisfactory.

35. *Receipts and Charges :-* The receipts and charges of the year were Rs. 28,49,561/2/10 and Rs. 30,82,743/1/5 respectively.

