

TIGHT BINDING BOOK

FOR THE YEAR ENDING SEPTEMBER 30th

Report

of the

University

of the

Panjab

1939

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**Report on the Operations of the University
of the Panjab, for the year ending
30th September, 1939.**

GENERAL

During the period under review, the office of the Vice-Chancellor was held for the first ten days by Mr. B. H. Dobson, C.I.E., C.B.E., I.C.S., and of the Dean of University Instruction by Dr. S. S. Bhatnagar, O.B.E., D.Sc., F. Inst. P. On the appointment of the whole-time paid Vice-Chancellor on the 11th of October, 1938, both these offices were amalgamated and held for the remaining period by Khan Bahadur Mian M. Afzal Husain, M.A. (Cantab.), M.Sc. (Panjab), I.A.S.

The total number of candidates appearing in the various University Examinations during the year was 45,339 as against 41,765 of the last year, representing an increase of 3,574. The pass percentage in the Matriculation Examination was 75.5, in the Intermediate Examination 58.8 and in the B.A. Examination 57.9. It is gratifying to note that there has been a marked increase in the number of female candidates in most of the University examinations. Their number in the Matriculation increased from 1,258 to 2,325, in the Intermediate from 634 to 767, in the B.A. from 246 to 336, in the B.T. from 70 to 88, in the M.A. from 12 to 25, in the Final Professional Examination for M.B.B.S. from 20 to 39, and in the examinations for Modern Indian Languages from 2,531 to 2,847. The proposal to hold the B.A. and B.Sc. Examinations twice a year has been accepted by the Academic Council which has also worked out the details to give effect to it. This will now be considered by the Syndicate and the Senate.

With a view to secure better distribution of work among the examiners, the Rules for the nomination and appointment of examiners are at present under minute and detailed consideration of a Committee which has already held three meetings for the purpose.

In spite of the growing unemployment among the educated classes, University education continues to attract a large number of students as is evidenced by the opening of two new Intermediate colleges at Gujrat and Jind and of an Islamia College for Women up to the Degree standard at Lahore and the raising of the Guru Nanak Khalsa College, Gujranwala, to the B.A. standard during the period under review.

With a view to develop common culture in the province, it has been decided that a Sanskrit scholar should acquire some knowledge either of Arabic or Persian and Arabic and Persian scholars should acquire some knowledge of Sanskrit. A beginning in this direction is to be made by the selection of such a scholar for Persian research as would also learn elementary Sanskrit. The proposal to found some scholarships for this purpose is engaging the attention of the University. In order to encourage research, the number of unendowed scholarships in different subjects has been increased. Pashto, like Urdu, Hindi and Panjabi, has been recognised as a Modern Indian Language for the Degree Examinations. The Academic Council has fixed three years' limit for submission of a thesis for the degree of Doctor of Philosophy from the date of approval of the subject. The period can, however, be extended by the Academic Council on the report of the Head of the Department or the supervisor concerned, as the case may be, to the effect that the candidate had shown satisfactory progress but that more time for the completion of the work was necessary. The

Academic Council did not view with favour the recommendation of the Board of Studies in Geography for the institution of an M.A. Examination in Geography at present.

It has been decided that if and when an Honours Course in Political Science is established place for Sociology be found therein. It has been decided to complete and bring the manuscript of the Panjabi Dictionary up to date.

With a view to bring the teachers of the subject closer together and to enable them to discuss mutual problems and the syllabuses, etc., it has been decided that Subject Conferences be held at intervals of not more than three years in the case of Oriental and Arts subjects and four years in the case of Science subjects and that there be two subject conferences in Arts subjects every year. This year Subject Conferences will be held in Sanskrit, Chemistry, English and Economics.

To facilitate the study of French both in the B.A. Classes and amongst the research workers the University has appointed Dr. P. K. Shastri, M.A. (Oxon.), D.Litt. (Paris), Barrister-at-Law, as part-time University Lecturer in French, for a period of two years in the first instance. The post of University Lecturer in Statistics was created at Rs. 200 per mensem in the grade of Rs. 200—10—350: the appointment to be made for one year in the first instance. The post was advertised and a Selection Committee was appointed for the purpose which has selected the candidates for interview. In order to organise and supervise physical training of College girls and to train lady teachers for physical training by providing physical instructresses for colleges, the University has been sympathetically considering the proposal of creating a new post of a well qualified and adequately trained and experienced lady expert in physical training.

Domestic Science, Music and Art have been added to the list of elective subjects in the Intermediate and the B.A. Examinations for female candidates. Home Science can be taken only by those female candidates who are either on the rolls of an institution approved by the Syndicate for the purpose or have already once completed the course in the subject in an approved institution. This is expected to make the education imparted to girls more real and useful than at present. A regulation has been added so as to permit members of His Majesty's Regular Land, Air and Sea Forces to appear as private candidates in the Intermediate (Arts), Bachelor of Arts, Intermediate (Oriental), Bachelor of Oriental Learning, Oriental Titles and Modern Indian Languages Examinations. Provision has been made to enable whole-time Librarians or Library Clerks in recognised High Schools to appear as private candidates. The Degree of B.Sc. Engineering (Civil) has been instituted in the Faculty of Engineering. German has been included in the list of elective subjects for the B.A. examination. Candidates who have already passed the Matriculation or Intermediate Examination in English only after passing one of the Oriental Titles or Modern Indian Languages Examinations have been exempted from appearing in English again if they offer themselves for examination in all the subjects of the Matriculation or Intermediate Examination. A Board of Studies in Dentistry has been constituted under the Faculty of Dentistry. Research Studentships have been restricted to the graduates of this University only.

After a good deal of consideration it has been decided that two more University Publications in English be prescribed for the M. & S. L. C. Examinations. This means that now all the books in English prescribed for the M. & S. L. C. Examina-

tions shall be University Publications. The manuscripts of both the new books are ready for consideration by the bodies concerned. Rates of payment have been laid down for preparing University Publications, including notes and first proof reading. Attention of the Boards of Studies has been drawn to the fact that no book containing obscene passages and passages likely to create inter-communal bitterness be recommended for being prescribed as a text-book. The question and the terms of the sale agencies for University Publications have been examined. The proposal that the University should have its own book depot was not favoured. After considering the report of its Committee, the Syndicate has decided that the present sale agents continue for the present stock with them on the present terms, but in future for every book to be printed or reprinted sale agents be nominated by the Syndicate after inviting tenders as regards the terms the Firms were willing to offer; including the commission to be paid to the booksellers. The sale agents would have to guarantee that the books to the student would not be sold at higher price than the one marked on the book.

In addition to the extension already given, Mr. J. W. Thomas, B.Com, B.Sc., Principal, Hailey College of Commerce, has been reappointed for two years more with effect from 1st October, 1940, on his present emoluments. In addition to the extension already given, M. Mohammad Shafi, M.A., Principal of the Oriental College and University Professor of Arabic, has been reappointed for three years more with effect from 1st October, 1939, on his present emoluments. Mr. H. M. Shairani, Lecturer in Urdu, Oriental College, after having been given 2 years' extension after the age of retirement, has been reap-

pointed on the same post for a period of two years with effect from 15th October, 1938, on a salary of Rs. 350 p.m.—the maximum of the revised grade of a University Lecturer. Messrs. Walker, Chandiok & Co., Chartered Accountants, have been appointed as University Auditor for the next four half yearly audits, in place of Messrs. Basant Ram & Sons, who had acted as University Auditor for about 25 years. The question of the mode of appointment of the Auditor and his remuneration has been referred by the Syndicate to a Committee.

The rate of interest on the Provident Fund was reduced from $5\frac{1}{2}$ to $4\frac{1}{2}$ % in the first half year and later on it was decided that in future the rate of interest shall be what is earned on the investments of the Fund. There is a proposal to make the rate of contribution both by the subscriber and the University uniform at 10% for all employees. It was decided that as a rule no overtime remuneration be paid to University Office employees unless additional work was unavoidably to be done by the same man: the Vice-Chancellor to decide whether there was any justification for such special cases or not.

The University continues to take deep interest in the welfare of the University students living in Lahore. Proctorial system is becoming more and more of a reality. Better control on the private recognised hostels is expected to be exercised by the restoration of grants to hostels which had been axed a few years ago. It is being insisted that the Superintendents of such Hostels should be teachers of affiliated colleges. Strict adherence to proctorial rules has been made a necessary condition for recognition of private hostels.

It has been decided to extend the University Chemical Laboratories with a view to find accommodation for the Department of Technical Chemistry. The extension is estimated to cost

Rs. 60,000. The University is grateful to the Government for its providing half the cost. Rs. 10,000 have been already received and the balance is being provided by the Government in the financial estimates of the next year. In 1938-39, the University has made a provision of Rs. 30,000 from its budget. Rs. 30,000 have also been provided for the construction of a second storey on the Senate Hall. This work has already made fair progress. This extension would provide accommodation for the office of the Vice-Chancellor, and of the Director of Physical Training, for two Committee Rooms and for the clerks in the Tabulation Section and for some of the clerks in the General Section. The University has also decided to find a sum of Rs. 10,000 for the Ladies Swimming Pool. It has already given a free site for the purpose and has assumed responsibility of abundant water supply free of charge. The Chauburji Women's Swimming Tank Committee has collected Rs. 16,500 by private subscription and has agreed to transfer the amount to the University on the condition that the University finds the balance and undertakes to construct the Pool within a reasonable period. The plans of the Pool have been sanctioned by the Municipality and the tenders for the job have already been accepted.

The Syndicate has accepted the offer of a sum of Rs. 3,000 per year for a period of two years in the first instance from the Managing Agent of the Jallo Resin and Turpentine Factory for research work in the University Chemical Laboratories. The finances of the University have improved owing to the restoration of a grant of Rs. 70,000 which was reduced by the Government some years ago. The receipts for the year 1938-39 were Rs. 1,724,048 and the expenditure was Rs. 1,612,540.

It is with deep regret that the University has to record the loss sustained by it in the deaths of

Mahatma Hans Raj, a foremost educationist of the Punjab, Principal Hem Raj, a distinguished Mathematician, Lt.-Col. D. W. Sutherland and Khan Sahib Qazi Fazl-i-Haqq.

EXAMINATIONS

There was a record increase in the number of candidates this year. The total number of candidates appearing in the various University Examinations this year, has reached the figure of 45,339 as against 41,765 of last year, representing an increase of 3,574. In 1936, when there was an increase of 64 candidates only—and this also due entirely to the large number of girl candidates appearing in examinations—it was thought that we had reached a peak; but in the year 1937-38, there was an increase of about two thousand again and this time even that record has been beaten. Normally, one would be inclined to think that we may now expect a decline but it is doubtful if it will be so. The number of candidates appearing in the Matriculation, Intermediate and B.A. Examinations may not increase, but there is a steady rise in the popularity of Oriental Titles and Modern Indian Languages Examinations, specially amongst girls, and it is likely to continue. The total number of girls appearing this year was 6,689, showing an increase of 1,730 over last year.

The pass percentage in the Matriculation Examination has come down to a more normal level and was 75.5 as against 89 of last year.

The steady decline in the number of candidates attracted by the S.L.C. Examination continues in its downward path. The number of candidates appearing in this examination this year was only 24, showing over 50 per cent. decrease than last year. One is inclined to question the advisability of continuing the examination which is neither recognised for any purpose by any Department of Government nor permits admission to a College

and is taken only by a few in ignorance of its lack of value. In any case, it will die a natural death when there are no candidates to take the examination, unless something is done to revive the original purpose for which the examination was started and secure its recognition by Government Departments as equivalent to the Matriculation—in fact much better than it—for clerical posts.

The two higher examinations—Ph.D. and LL.M.—are proving attractive. Six candidates submitted theses for the Ph.D. and seven appeared for the LL.M.

The examination machinery has been greatly improved by the building of a special Tabulation Hall. This has made possible the maintenance of a much better control and, practically speaking, the leakage of result before publication has been effectively stopped.

The system of notifying dates of declaration of results of all main examinations beforehand has been successfully carried out once again and the results were declared according to the scheduled dates. It was also possible to despatch printed copies of results a day in advance to outstations.

There is a proposal under consideration to hold the B.A. Examination twice a year.

UNIVERSITY TEACHING

TEACHING STAFF

(1) Dr. H. Chaudhuri, D.Sc. (London), M.Sc.,
Botany Ph.D., D.I.C.; (2) Dr. S.
Department. L. Ghose, Ph.D. (Cantab.),
 M.Sc., F.L.S.; (3) Mr. M. C. Sethi, M.Sc.; (4)
 Dr. J. J. Singh, Ph.D. (London), M.Sc.; (5) Dr.
 P. L. Anand, Ph.D. (London), M.Sc.; (6) Mr. R.
 S. Chopra, M.Sc.; (7) Mr. Basir Ali Shaikh,
 M.Sc.; (8) Mr. P. N. Mehra, M.Sc.; (9) Mr. Abdul
 Majid, M.Sc.; and (10) Mr. Narinder Singh Madan,
 M.Sc.

The numbers of students in the various classes were distributed as follows:

B.Sc. (Pass)	{ III Year	..	..	..	48
	{ IV Year	..	..	..	62
B.Sc.	{ I Year (including K.C.)	..	..	..	8
(Hons. School)	{ II Year (do. do.)	..	..	..	8
	{ III Year (do. do.)	..	..	..	7
M.Sc. (Research) Class	..	..	..	..	8
Post M.Sc. Research Scholar	..	..	..	..	1

The last session of the Indian Science Congress was held here in the first week of January, 1939. The Sectional Meetings and the Offices of the Local Secretaries were in the buildings of the Biology Department. Dr. Chaudhuri was one of the Joint Local Secretaries. The members of the Staff and senior students co-operated enthusiastically in making the session a success. They were occupied with the Science Congress work from the middle of October till the end of January. Several original papers were read by the members of the Staff and the research students. An extension lecture on Plant Diseases and their Control was delivered by Dr. Chaudhuri, at Sialkot.

The August Meeting of the National Institute of Science, held in Calcutta, was attended by Dr. Chaudhuri. While in Calcutta, he addressed the Post-Graduate Botany students on the wheat rust problem in India and also delivered a lecture before the Bengal Botanical Society on Gardening in Germany.

During the year under report a long standing need was fulfilled by the provision of a grant of Rs. 1,000 for a Botanical excursion. The excursion was arranged to different parts in Assam and was led by the Head of the Teaching Department. Some members of the Staff, Research Scholars and the senior students joined the party. Numerous collections of plants belonging to various groups were made and are under investigation. Besides, large collections of material for class work were also made. Local excursions to Harnminar and

Harbanspura were arranged for the benefit of the senior students.

Mr. P. N. Mehra made a private excursion to Darjeeling and Sikkim and has collected more research material from that area. He has added about 400 specimens of Ferns to the Herbarium. Another private excursion was that of Mr. N. S. Madan, University Research Scholar, who travelled from Simla to Shipki in Western Tibet, covering in all about 450 miles. He has brought a number of good specimens of plant diseases.

Mr. P. C. Joshi, M.Sc., University Research Scholar, joined the F. C. College, Lahore, and in his place, Mr. Gurbux Singh Dhillon, M.Sc., was appointed. Later on Mr. Dhillon joined the Forest Department, Punjab, and the scholarship is now held by Mr. Sham Singh, M.Sc. The two posts of part-time Demonstrators for six months were held by Miss S. Rai, M.Sc., and Mr. H. L. Mehra, M.Sc. From 1st April 1939, these posts have been converted into "Research Assistant and Part-time Demonstrator" for 12 months. Miss S. Rai joined the Lahore College for Women and Mr. H. L. Mehra got a job in the Hindu Sabha College, Amritsar. Messrs. A. Majeed (formerly Part-time Demonstrator, Government College, Lahore) and N. S. Madan (formerly Demonstrator, D.A.-V. College, Rawalpindi) were appointed to these posts. Abdul Hamid, M.Sc., formerly Part-time Demonstrator, was appointed a Research Assistant in the Fruit Preservation Scheme at Lyallpur. Mr. Hukam Chand, M.Sc., joined the D.A.-V. College, Jullundur, as Demonstrator in Biology.

Mr. N. D. Yusaf, who proceeded to England after passing the M.Sc. from the Botany Honours School, has now returned after obtaining the M.Sc. Research Degree in Plant Physiology of the Cambridge University.

The Kashyap Memorial Reprint Section of the Government College Botany Department Library has acquired about 300 more reprints from the friends and pupils of late Professor Kashyap.

The collection of Ferns presented by the Church Missionary Society to the Punjab Government and transferred to this Department last year is now displayed on the walls of the corridor of the Kashyap Research Laboratory.

The Botanical Garden has been maintained with the usual efficiency.

A number of papers were contributed by the members of the Staff and the Research Students at the Annual Session of the Indian Science Congress.

Advice regarding diseases and disease control was sought by Government institutes and private bodies and given freely. This department has also regularly been helping various institutes and persons regarding the identification of all types of plants, particularly of drug plants.

In the list of the University Botanical Publication Series, a Monograph has been added on the "Ferns of Mussoorie," by P. N. Mehra.

The list of the publications of this department is given in Appendix II.

The Number of Students on Rolls Class-wise.—One hundred and seven students attended the University Classes in Zoology during the year 1938-39, as detailed below:

HONOURS SCHOOL			
M.Sc.	..	..	4
III Year	..	..	4
II Year	..	..	9
I Year	..	..	2
			<hr/>
			19
			<hr/>

B.Sc. (PASS)			
IV Year	..	..	52
III Year	..	..	36
			<hr/>
			88
			<hr/>

Total .. 107

The results of the University Examination in Zoology have been as follows:

	No. of candidates.	No. of successful candidates.
M.Sc. (Hons. School) ..	2	2
B.Sc. (Hons. School) ..	4	4
B.Sc. (Pass) ..	52	49

The Teaching Staff.—Dr. Vishwa Nath, M.Sc., Ph.D. (Cantab.), F.R.M.S., Director of the Zoological Laboratory; Dewan Anand Kumar, M.A. (Cantab), Head of the University Teaching in Zoology; S. Hardyal Singh, M.Sc., Lecturer in Zoology; Mr. Guran Lal Arora, M.Sc., University Demonstrator in Zoology; Mr. Najmud-Din, M.Sc., University Demonstrator in Zoology; Mr. Nazir Ahmad, M.Sc., University Demonstrator in Zoology; Mr. K. L. Malhotra, B.Sc. (Hons. School), University Part-time Demonstrator, and Mr. Atam Sarup, B.Sc. (Hons. School), University Part-time Demonstrator.

The following Papers were read before the Section of Zoology of the Indian Science Congress held at Lahore in January, 1939:

1. "Fishes of Karachi," by Nazir Ahmad, M.Sc.
2. "On a New Variety of *Avitellina sudanea* (Cestoda) with a Note on the Anomaly in the Genitalia," by Mohammad Amin, M.Sc.
3. "Discussion on the Validity of *Moniezia denticulata* (Rudolphi, 1810) (= *alba* Perroncito, 1879) Blanchard, 1891," by Mohammad Amin, M.Sc.
4. "Morphology of the Ossicula Auditus in the Hedgehog (*Erinaceus collaris*) and the House-shrew," by K. L. Malhotra, B.Sc. (Honours).

5. "Damage to Wheat, Sugarcane, Maize and Fruit Trees by Termites in the Punjab," by Mohammad Shafi Sarwar, B.Sc. (Honours).
6. "New species of Termites recorded in the Punjab," by Mohammad Shafi Sarwar, B.Sc. (Honours).
7. "Taxonomic value of the Structure of Mandibles of workers in Termites," by Mohammad Shafi Sarwar, B.Sc. (Honours).
8. "New Sub-genus of the genus *Microtermes*," by Mohammad Shafi Sarwar, B.Sc. (Honours).
9. "New Wood-destroying species of Termites in the Punjab," by Mohammad Shafi Sarwar, B.Sc. (Honours).
10. "Life History of *Pterochlorus persicae* (Peach-stem Aphid)," by Atam Sarup Talwar, B.Sc. (Honours).

Employment of the Year's Graduates:

1. P. L. Renjhen, M.Sc., has been appointed as Research Assistant in the Government Fruit Farm, Tarnab, Peshawar, N. W. F. P.

2. Mohammad Shafi Sarwar, M.Sc., has been appointed as Agricultural Research Assistant at Gurdaspur.

3. Atam Sarup, B.Sc. (Honours), has been appointed as Demonstrator in the D.A.-V. College, Rawalpindi.

4. Chiman Lal Bhatia, M.Sc., has been appointed as a Part-time Demonstrator with effect from 15th December, 1938. He was also awarded a University Research Scholarship, from December, 1938.

5. Mohammad Amin, M.Sc., has been appointed as Part-time Demonstrator with effect from 15th December, 1938. He was also awarded the McLeod Kapurthala Scholarship from October, 1938.

*The number of students on Rolls Classwise:***Chemistry Department.**

1st Year	..	..	27
2nd Year	..	..	25
3rd Year	..	..	32
M.Sc. (Pure)	..	..	20
M.Sc. (Tech.)	..	..	15

STAFF

Professor S. S. Bhatnagar, O.B.E., D.Sc., F.Inst.P., F.I.C., Professor of Physical Chemistry and Director, University Chemical Laboratories; Professor H. B. Dunncliff, C.I.E., M.A., Sc.D., F.I.C., I.E.S., Professor of Inorganic Chemistry; Professor P. C. Speers, M.Sc., Professor of Industrial Chemistry; Professor J. N. Ray, Ph.D., D.Sc., F.I.C., Professor of Organic Chemistry; Dr. N. A. Yajnik, M.A., D.Sc., A.I.C., Reader in General Chemistry; Sardar Mahan Singh, M.Sc.; Dr. G. L. Datta, M.Sc., Ph.D.; Sh. Munir-ud-Din, M.Sc.; Dr. P. L. Kapur, M.Sc., Ph.D., Demonstrator in Inorganic Chemistry; Dr. K. N. Gaiind, M.Sc., Ph.D., Demonstrator in Organic Chemistry; Mr. A. N. Kapur, M.Sc., Demonstrator in Physical Chemistry; and Dr. K. S. Narang, M.Sc., Ph.D., Microanalyst.

RESEARCH WORK

The list of papers published is given in Appendix II.

The number of students and research workers in the laboratories has shown a further increase and the paucity of space and hands makes further expansion more difficult.

The following research scholars are being maintained at the University Chemical Laboratories:

1. Dr. K. G. Mathur	..	} Fellows under Messrs. Steel Brothers Scheme.
2. Mr. N. G. Mitra	..	
3. Mr. S. D. Mahant	..	
4. Mr. K. C. Gulati	..	
5. Ch. Badr-ud-Din	..	
6. Mr. Mohan Lal Khanna	}	

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|---------------------------------------|---|-----------------------------------|
| 7. Mr. Manphul Singh | } | Lala Shri Ram
Scheme. |
| Jain .. | | |
| 8. Mr. B. N. Sikka .. | | |
| 9. Mr. V. S. Bhatia .. | } | Messrs. Birla Brothers
Scheme. |
| 10. S. Bharpur Singh .. | | |
| 11. S. Kartar Singh .. | | |
| 12. Mr. Jagdish Narain .. | } | Seth Padampat
Scheme. |
| 13. Mr. Abdul Hamid .. | | |
| 14. Mr. Mohindar Sarup .. | | |
| 15. Mr. Wajih-ud-Din Saleem .. | } | Lahore Electric
Supply Co. |
| 16. Mr. Sham Lal .. | | |
| 17. Mr. Vidya Dhari .. | | |
| 18. Mr. N. N. Chopra .. | } | Indian Mildura Fruit
Farm. |
| 19. Dr. P. N. Sahai .. | | |
| 20. Mr. Prem Prakash .. | | |
| 21. Mr. Satyendra Kumar | } | Ganesh Flour Mills,
Ltd. |
| Jallo Resin Factory
Scheme. | | |
| 22. Mr. Brahm Parkash .. | | |
| 23. Mr. B. D. Khosla .. | } | Sir J. P. Srivastava
Scheme. |
| University Scholar. | | |
| Alfred Patiala Re-
search Scholar. | | |

Besides these, the following are doing their research work at the University Chemical Laboratories:

Messrs. Girdhari Lal; Gurcharan Lal; Romesh Chandar; Jarnail Singh; Sewak Singh Judge; Jai Chand; Krishan Dev Bhola; Ram Kishan Jain; Inder Narain; Tilak Chand Jain; Badri Sarin; Mansa Ram; Hans Raj; J. N. Yajnik; and Jamna Shankar.

The students trained in the University Chemical Laboratories have secured the following appointments during the year under review:

1. M. Abdul Hamid .. Research Assistant,
Punjab Agricultural
College, Lyallpur.

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|--------------------------|--|
| 2. M. Anwar-ul-Haq | Assistant Superintendent of Industries, Punjab. |
| 3. Mr. Bhim Sain .. | Chemist, Control Laboratory, Rangoon. |
| 4. M. Nazir Ahmed .. | Research Assistant, Punjab Agricultural College, Lyallpur. |
| 5. Mr. Jai Chand .. | Chemist, Ghee Grading Laboratory, Patiala. |
| 6. S. Gurbachan Singh .. | } Burma Shell Co., Rangoon. |
| 7. M. Abdul Hamid .. | |
| 8. Mr. Bhajan Lal .. | } Dalmia Cement Co., Ltd. |
| 9. Mr. Sumair Chand .. | |

The advantages of contact with industries are apparent from the fact that not only chemists but three physicists from the University were employed by the Burmah Shell Co. on our recommendation.

Dr. P. L. Kapur and Dr. K. N. Gaiind have been awarded the Ph.D. degree of the Panjab University.

Professor S. S. Bhatnagar has been appointed as Honorary Visitor to the Royal Institute of Science, Bombay, for a period of three years. He served as a member of the Selection Committee for the selection of an Indian Assistant at the Royal Botanic Gardens, London. He was invited by the Orissa Government to advise them on their industrial planning. He has also been invited by the National Planning Committee to be a member of their Chemical Sub-Committee and Technical Education Sub-Committees. He was nominated by the Indian Science Congress as a Delegate to the Annual Meeting of the British Association for the Advancement of Science, London, held in Dundee in August-September, 1939, but could not go on account of the unfavourable and unsettled political conditions in

Europe. He also served as a member of the Committee to report on the Senate-Council relationship at the Indian Institute of Science, Bangalore.

Dr. H. B. Dunnichiff has continued his excellent work as Chemical Adviser to the Central Board of Revenue. He is shortly going to the Government of India to serve as a Chief Chemist to the Central Board of Revenue in a new laboratory created in Delhi.

Professor J. N. Ray served on an Advisory Body appointed by the Agricultural Marketing Board, Government of India, to fix up specifications for the "agmarking" of citrus fruit products.

Dr. P. L. Kapur was appointed Lecturer in Chemistry at the Rangoon University for about four months during the summer vacation and officiated there for Dr. Farquharson.

The following two research schemes were inaugurated during the year under review and have been allocated as follows:

1. SIR J. P. SRIVASTAVA SCHEME
 Rs. 150 per mensem for a scholar.
 Rs. 15 per mensem for a laboratory bearer.
 Rs. 300 a year for chemicals, etc.
2. JALLO RESIN FACTORY SCHEME
 Rs. 180 per mensem for scholarship.
 Rs. 15 per mensem for a laboratory bearer.
 Rs. 660 a year for chemicals, etc.

During the year under review the total number of students on rolls was 37, distributed as follows:

Physics Department.			
	First Year	.. ..	5
	Second Year	.. ..	7
	Third Year	.. ..	15
	Fourth Year	.. ..	10

All the First Year students were successful in their University Examination in English. Six students of the Second Year qualified in their University Examination in Mathematics. The seventh qualified in the Supplementary Test held

in September this year. Out of the 15 students of the Third Year who appeared for their B.Sc. (Honours School) Examination, 12 were declared successful, three of them getting a First Class. The other three have been recommended for the award of the Pass B.Sc. Degree. Ten students of the Final Year appeared for their M.Sc. (Honours School) Examination. Nine have been declared successful, three of them being placed in the First Class. The tenth student, who failed, has secured a job in the Police Department of the Province.

An addition to the Teaching Staff during the year was the appointment of Dr. P. L. Kapur, M.Sc. (Pb.), Ph.D. (Cambridge), as University Lecturer in Theoretical Physics. The Teaching Staff of the Department consisted of Professor J. B. Seth as the Head of the Department, two University Lecturers and seven participating Lecturers of the Local Colleges as given below:

J. B. Seth, M.A., I.E.S., Professor of Physics, Government College, Lahore; J. M. Benade, M.Sc., Professor of Physics, F. C. College, Lahore; G. L. Datta, M.Sc., Ph.D., Professor of Physics, D.A.-V. College, Lahore; P. K. Kichlu, M.Sc., Ph.D., Lecturer in Physics, Government College, Lahore; B. D. Chhabra, M.Sc., LL.B., Lecturer in Physics, Government College, Lahore; Mela Ram, M.Sc., Ph.D., Lecturer in Physics, F. C. College, Lahore; Pran Nath Kalia, M.Sc., Ph.D., Lecturer in Physics, D. S. College, Lahore; B. M. Anand, M.Sc., University Lecturer in Physics; P. L. Kapur, M.Sc., Ph.D., University Lecturer in Physics.

The Annual Session of the Indian Science Congress was held during the first week of January at Lahore. Both the Staff and students of this Department took active interest in the various academic discussions and other activities of the Physics Section of the Congress. A number of research papers sent by this Department

to the Science Congress were read in the sectional meetings. The president of the Physics section, in winding up the proceedings, complimented the Department on the importance and volume of original contributions of the Department to the Congress.

Two M.Sc.'s of this year have been taken on in the Government College Physics Department, one as full-time and the other as Part-time Demonstrator. Another two M.Sc.'s have been employed as Research Assistants in the Irrigation Research Institute. The R. B. Kanhiya Lal Research Scholarship and two University Demonstrator-cum-Research Scholarships are available this year. This will probably engage three more of this year's M.Sc.'s.

Two papers (given in Appendix II) were published during the year.

The following papers have been approved for publication:

1. Does the Mesotron Obey Fermi-Dirac or Bose-Einstein Statistics? by P. L. Kapur, "Nature," London.

2. Fission of Nuclei, by P. L. Kapur, Science and Culture, India.

3. Mesotron and the Nuclear Forces, by P. L. Kapur, Trans. Bose-Research Institute, Calcutta.

Two of the workers in this Department, Messrs Mela Ram and Pran Nath Kalia, have this year been awarded the degree of Doctor of Philosophy in Physics on the basis of the theses submitted by them.

There were 45 students in the Sixth Year **Mathematics** Class and 40 in the Fifth Year **Department.** Class.

The year saw the passing away of Pandit Hemraj and, as a consequence, the addition of Lala Faqir Chand to the Staff of the Dayal Singh College.

A paper "On the Axial Lines of a Quadric," was read by Professor C. V. H. Rao, before the Indian Science Congress on the 4th January, 1939.

The tract on "Tables of Partitions," by Gupta, has been published with the help of a grant from the University.

(a) *The number of students on Rolls:*

History Department.

I. (A) **M.A. History:**

V Year	..	..	80
VI "	..	..	53
			<hr/>
			133
			<hr/>

(B) **Honours School in History:**

I Year	..	..	6
II "	..	..	6
			<hr/>
			12
			<hr/>

II. The following numbers were declared successful in the examinations noted below:

(A) **M.A. History:**

1st Division	..	..	1
2nd "	..	..	11
3rd "	..	..	17
			<hr/>
			29
			<hr/>

(Twenty private candidates sat in the M.A. History Examination, of whom 13 were declared successful, 3 in the 2nd Division and 10 in the 3rd Division.)

(B) (i) All six First Year Honours School students were promoted to II Year Honours School in History.

- (ii) Five candidates passed the Honours School Examination in History, Part I. One was absent from the examination on account of illness.

(b) *Teaching Staff:*

(1) Professor J. F. Bruce, M.A.; (2) Mr. Sri Ram Sharma, M.A.; (3) Mr. A. R. Khanna, M.A., (4) Mr. U. N. Ball, M.A.; (5) Mr. J. D. Ward, M.A.; (6) Mr. Gulshan Rai, B.A., LL.B.; (7) Mr. R. R. Sethi, M.A.; (8) Dr. C. J. Chacko, M.A., Ph.D.; (9) Dr. B. A. Kuraishi, M.A., Ph.D.; (10) Rev. Ross Wilson, M.A.; (11) Mr. P. N. Kirpal, M.A.; and (12) Mr. M. Hassan, M.A.

(c) Mr. Sunder Lal Bhalla, M.A. (Hons. Sch.) has been engaged upon research on "Sir David Ochterlony."

(d) A historical excursion was conducted by the History Department from December 14 to 28, 1938, under the leadership of Prof. Bruce and Mr. Sethi, when the following places were visited: Bombay, Elephanta Caves, Ellora and Ajanta Caves, Sanchi, Gwalior, Agra, Delhi and several other important historical places.

(e) Prof. Bruce represented the University at the Fifth Session of the Indian Historical Records Commission, held at Poona in December, 1938.

(f) (i) Mr. Henry William, M.A., was appointed a Lecturer in History at Edwardes College, Peshawar.

(ii) Sardar Kirpal Singh Narang, M.A. (Hons. Sch.), has been appointed as Senior Lecturer in History in Guru Nanak Khalsa College, Gujranwala; and Sardar Jagjit Singh Kapur, M.A., has

been appointed Lecturer in History at the same College.

- (g) (i) Three meetings of the Panjab University Historical Society were held during the year. The following papers were read:
- (1) "Adina Beg Khan, the last Panjab Viceroy of the Mughal and Maratha Governments," by Dr. Hari Ram Gupta, M.A., Ph.D., Lecturer in History, Forman Christian College, Lahore.
 - (2) "Some Observations on the Life and Letters of Munshi Mohan Lal Kashmerian," by Dr. Hari Ram Gupta, M.A., Ph.D.
 - (3) "British Advance from the Jumna to the Sutlej, 1808-1809," by Mr. Sunder Lal Bhalla, M.A (Hons. Sch.); Alexandra Research Student, Lahore.
- (ii) Prof. J. F. Bruce delivered Extension Lectures to the following Mufassal Colleges:
- (i) Government College, Ludhiana.
 - (ii) Government College, Lyallpur.
 - (iii) D.A.-V. College, Rawalpindi.

STUDENTS AND STAFF

The session began with an unusual rise in the number of new entrants to the **Department of Economics.** the M.A. Economics Course. In spite of refusals, as many as 50 students were admitted to the V Year Class, as compared with 25 in the previous year, while the number of students in the VI year was 24.

At the same time, there was welcome accession to the teaching strength. Besides the University Professor, Dr. E. D. Lucas, M.A., Ph.D., Professor G. D. Sondhi, M.A., I.E.S., Professor A. N. Bali, M.A., Dr. I. Durga Parshad, M.A.,

Ph.D., Professor D. N. Bhalla, M.A., Dr. S. M. Akhtar, M.A., Ph.D., Dr. B. K. Madan, M.A., Ph.D., Mr. H. C. Saxena, M.A., Dr. J. N. Khosla, M.A., Ph.D., Bar-at-Law and Dr. D. C. Ghose, M.A., Ph.D., participated in the teaching.

CONTACT WITH GOVERNMENT AND COMMERCIAL BODIES

A special feature of the session was the contact established between the Economics Department of the University and the nation-building departments of the Government, particularly Co-operative, Industries and Finance. At the special invitation of the Registrar of Co-operative Societies, the University Professor of Economics, Mr. H. C. Saxena (University Lecturer in Economics), Mr. V. K. Chopra (University Research Scholar in Economics) and Dr. D. C. Ghose delivered a series of lectures to the Co-operative Inspectors' Training Class at Gurdaspur during the cold weather, and the lectures were highly appreciated.

The University Professor was a member of the Provincial Industrial Survey Committee, and of the Punjab Board of Economic Inquiry, while Dr. S. M. Akhtar continued to serve as Member and Dr. B. K. Madan as Assistant Secretary of the Resources and Retrenchment Committee of the Finance Department of the Punjab Government.

The University Professor and Dr. D. C. Ghose also assisted the Indian Chamber of Commerce in the preparation of replies to the questionnaire issued by the Indian National Planning Committee. The establishment of such contact between the Economics Department, on the one hand, and the Departments of Government dealing with economic problems and Indian commercial bodies, on the other, is perhaps the first of its kind in the country and the high appreciation with which it has already met on all sides is a very happy augury for the future.

RESEARCH

The real justification for the maintenance of a University teaching department must, however, be the progress of research work conducted by the teachers and scholars. During the last three years, three students of the Department have taken their Ph.D. Degree in Economics—in itself a creditable performance. Of these the Doctorate Thesis of Dr. B. K. Madan on “Imperial Preference in India—a Study in Commercial Policy” has been published at their expense by the Oxford University Press and won the highest praise. The other two theses of Dr. D. C. Ghose and Dr. J. N. Chawla on “Indian Trade Statistics” and “Indian Budgets Since 1919” are also in the course of publication. The following Doctorate Theses are in progress:

1. Mr. H. C. Saxena “Trans-Frontier Trade of India Since 1900.”
2. Mr. Sham Narain “Insurance in India.”
3. Mohammad Anwar-ul-Hasan .. “Indian Finance.”
4. S. Hardayal Singh “The Development and Administration of Municipal Finance in the Punjab, 1871—1938.”
5. Mr. Lila Krishan Sahgal .. “Economic Progress of the Punjab during the 20th Century.”
6. Mr. Amar Chand Bhatia .. “Beggars in the Punjab.”
7. Mr. K. K. Dewett “Structure of Indian Industries.”
8. Mr. V. K. Chopra “Indo-Japanese Trade.”

The University Research Scholar, Mr. V. K. Chopra, M.A., continued to work on the interesting subject of “Indo-Japanese Trade Relations.” He

also submitted a paper on "Debt Legislation" to the All-India Economic Conference. The paper was highly commended and has since been published in the "Indian Journal of Economics."

STATISTICAL BRANCH

Research work in Economics is thus making fair headway and it is soon to receive a special impetus by the institution of a new statistical section in the Economics Department. Thanks to the kind interest taken by the first Indian Vice-Chancellor who is specially alive to the importance of economic studies in the educational and economic progress of the province, the post of a new Lecturer in Statistics has been sanctioned and the appointment is likely to be made at an early date. This move has been welcomed throughout the country and already Sir Malcolm Darling, President of the Board of Economic Inquiry, Punjab, has invited the University Professor of Economics to advise the Board on statistical questions through the proposed statistical branch of the Economics Department. In the words of Sir Malcolm: "this arrangement would be of mutual advantage, for, on the one hand, the branch would be brought into contact with some of the concrete problems of the province, and on the other, the Board would get the best statistical advice available in the province." The statistical branch, as it develops, should also prove of inestimable value to other departments of Government and to commercial bodies in the Province.

THE UNIVERSITY ECONOMICS SOCIETY

The University Economics Society continued to play its normal part in the life of the Department. The Society was again fortunate in having as speakers well-known men including Sir Malcolm Darling, Sir T. Vijayaraghavacharya, Professor K. T. Shah and Professor S. K. Rudra.

The Annual Economic Trip to visit factories was arranged as usual and selected students and Research Scholars attended the All-India Economic Conference meeting at Nagpur.

The Students' Lending Library was more popular than ever. Seventy-one books were added during the year, raising the total to 204, and there was such keenness to borrow books that the deposit fee was doubled and the period of issue reduced to cope with the increased demand. The present accommodation available to the Society and the Students' Library is now proving inadequate and an additional or a bigger room is required to allow for their natural growth.

SUCCESS IN EXAMINATIONS

Twenty-five students appeared at the M.A. Economics Examination of 1939 and 23 were declared successful of whom two were placed in the First Division and nine in the Second Division. The first place was taken by Mr. Mukandi Lal of the Government College, Lahore, who is now preparing for the ICS Examination. The student next to him, Mr. Ved Bratt, who also passed in the first Division, was appointed Research Scholar in Statistics. Here it is gratifying to note that Sh. Anwar-ul-Haq, who stood First and secured record marks in Economics in 1938, has been selected for the Indian Civil Service. This creditable success in the I.C.S. Examination soon after that of Mr. K. C. Chaudhry, who had also taken the M.A. Degree in Economics in the First Division, is a source of pleasure not only to the students but also to the Economics Department to which they belong.

UNIVERSITY EXTENSION AND OTHER LECTURES

During the session the University Professor delivered two University Extension Lectures in

the Khalsa College, Amritsar, and the Punjab Agricultural College, Lyallpur, on the subjects of "Monetary Problems of India" and "Reserve Bank of India and Indian Agriculture," respectively.

At the special invitation of the University of Delhi, Dr. Jain also delivered ten lectures on the "Working of Protective Tariffs in India" as Sir Kikabhai Premchand Reader, which were attended by the students of the Delhi University as well as the general public. While in Delhi he separately addressed the Economics students of the Arabic College and the Commercial College, and the members of the Indian Institute of Bankers, Delhi Branch. Professor Jain was also invited by the Lahore Branch of the Indian Institute of Bankers, and he delivered a lecture on "Tariffs and Indian Industries" under the presidentship of Mr. Wace, Registrar, Co-operative Societies, Punjab.

OTHER EVENTS

The last term of the session witnessed the departure of Dr. E. D. Lucas on a long furlough of a year-and-a-half for America. Dr. Lucas is one of the oldest and most esteemed teachers of Economics and to show their respect a special reception was held in his honour by the University Economics Society which was attended by the Vice-Chancellor and Mr. M. B. Nanavati, Deputy Governor of the Reserve Bank of India, among the specially invited guests.

During the session, Dr. Jain was elected Vice-President of the Indian Society of Agricultural Economics and of the Indian Statistical Institute, Punjab Branch, and President of the Indian Economic Association. In the summer vacation he was appointed Secretary of the Punjab Board of Economic Inquiry and invited by the Ceylon Government to advise them as Commissioner on Textile Quotas and Preference Duties.

STUDENTS AND STAFF

The number of students during the session was slightly lower than that of last year. The decline has been due to the restrictions imposed by the Committee of Control on admissions to the Fifth Year Class. There were 33 and 37 students respectively in the Fifth and Sixth Years.

Department of Political Science.

Those who participated in teaching were: The Head of the Department, Professors L. C. Jain, Sri Ram Sharma, Dr. C. J. Chacko, Mr. L. R. Sethi and Dr. J. N. Khosla, Professor D. N. Bhalla and Mr. H. C. Saxena.

The steady rise in the number of students, though intentionally checked this year by a policy of restricting admissions, has put a great strain on the Staff and on accommodation. While there have been no additions to the Staff, the Department has at last been able to acquire independent—though very inadequate—quarters in the University Hall.

RESEARCH

Some progress has been made in the conduct of Research work. Mr. P. N. Malhan's Thesis on the "Development of Legislatures in India" is nearing its final stages. Messrs. Anup Chand and V. D. Mahajan have recently commenced working on "The Problem of the N.W.F.P." and "The Provincial Control Over Local Bodies in India," respectively. Mr. Indra, M.A.'s work on the "Conduct of Peace and War in Ancient India" is nearing completion. However, for the organisation of research work on a scale befitting a University Department more Staff, ampler Library facilities and larger accommodation must be provided.

There is quite a keenness on the part of new M. A.'s to take up topics for research for the Ph.D. degree. But, strangely enough, they seem

to be reluctant to begin their research on a small scale first, *i.e.*, by writing short articles or essays on the topic they wish to investigate.

THE UNIVERSITY POLITICAL SCIENCE SOCIETY

The University Political Science Society, as usual, arranged some lectures as well as a trip for its members to New Delhi at the time of the Budget Session of the Central Assembly. It has now acquired a small room where the nucleus of a Students' Lending Library can be laid.

Through the courtesy of the Political Science Department of the Forman Christian College, a lecture by Professor Harlow was arranged for the Society.

But, though there seems feverish activity among the student members at the time of electing office-holders, all signs of life seem to wane during the rest of the term. As the Society is practically under student management, it does not speak highly of the capacity of students to manage their own affairs or to elect the right type of office-holders.

EXAMINATIONS

Of the 53 students who appeared at the M.A. Examination in Political Science of 1939, 39 were declared successful—Mr. Satish Loomba being the only one placed in the First Division and thirteen others in the Second. We note with great pleasure the selection for the Indian Civil Service of Mr. Anwar-ul-Haq, who studied Political Science with us while working for his Master's degree in Economics which he took last year.

LECTURES

Dr. C. J. Chacko delivered a series of lectures to the I.C.S. Classes of the University on "General Knowledge" subjects. He also has been in charge of the Carnegie International Relations Club for

post-graduate students in Politics, History and Economics and has been co-operating with the History Department in the teaching of Political Science.

Dr. J. N. Khosla delivered a lecture at the Ram Sukh Dass College, Ferozepur, and another on "Fascism" to the I.C.S. Class of the Panjab University. He was also invited to deliver a series of lectures by the Institute for Local Self-Government (Punjab), Lahore, on "Principles of Local Government," and "Local Self-Government in India."

Mr. L. R. Sethi delivered two lectures on "The Constitutional Law of the British Empire" to the I.C.S. Class of the Panjab University and one lecture on the "Problem of Minorities in India" at the Y.M.C.A., Lahore.

Professor Sri Ram Sharma addressed the senior students of History and Politics in the Muslim University, Aligarh, on the "Diplomacy of Fear."

The All-India Radio Department arranged a series of six talks on the "Leviathan" The Head of the Department, Dr. C. J. Chacko, Mr. L. R. Sethi and Dr. J. N. Khosla were amongst the six speakers who participated. Dr. Chacko frequently talked on the "Current Affairs in America."

An informal talk was also given by Sir T. Vijayaraghavacharya to the M.A. students.

THE FIRST INDIAN POLITICAL SCIENCE CONGRESS

The Department took active part in bringing the Indian Political Science Conference into existence. In fact the founding of the Conference has been due, in a large measure, to Mr. Sondhi. It was at his proposal, several years back, that at its eighth session at Benares, in 1924, the Indian Economic Conference agreed to include a Political Science Section in its deliberations at Madras at the next Annual Session,

But this attempt to foster a Political Science Section under the wing of the Economic Conference did not turn out to be successful and the attempt was given up after one or two trials.

In the summer of 1938, the teachers of Political Science at Lahore took the advantage of the presence of Professor G. N. Singh of Benares and of Dr V. S. Ram of Lucknow University, and, at an informal meeting, held at Mr. Sondhi's house, decided to circularise to all Universities the project of an Indian Political Science Conference. The proposal was enthusiastically taken up by most universities, but there were the inevitable delays and doubts. However, in January, 1939, under the presidency of the Hon'ble Pandit G. B. Pant, the Premier of the United Provinces, the First Session of the Conference took place at Benares and was a great success.

Professor Gurmukh Nihal Singh, who had taken a very active share in calling the First Conference into being, was the Local Secretary and to him is due a great deal of the credit for its success.

The University of the Panjab was represented by Dr. J. N. Khosla and Mr. L. R. Sethi. Professors Sri Ram Sharma and Gulshan Rai also attended the Congress. Professor Sri Ram Sharma read a paper on the "Relations Between the Provincial Governments and Political Parties," which was subsequently published in the "Indian Review," Madras. Professor Gulshan Rai discussed the "Problem of Minorities in the Punjab."

At the invitation of the University of the Panjab, the second Session of the Conference will be held at Lahore on the 2nd, 3rd and 4th of January, 1940. The Head of the Department was elected Local Secretary for the Conference.

THE STUDY CIRCLE

The Study Circle continued to meet almost every fortnight at the residence of the Head of the Department. Those who were present at some of

the meetings by special invitation were: Sir T. Vijayaraghavacharya, Professor S. S. Bhatnagar, Professor L. C. Jain, Dr. J. N. Khosla and Mr. L. R. Sethi.

Thirty-eight students (detailed below) attended the University Classes in Arabic Department.

	O.C.	G.C.	I.C.	F.C.C.	Total.
B.A. Honours .. ..	..	12	12	3	27
M.A. Fifth Year ..	2	2	2	..	6
M.A. Sixth Year ..	1	1	3	..	5
Total ..	3	15	17	3	38

The examination results of the University Classes were as follows:

	No. of candidates sent up.	No. of successful candidates.
B.A. Honours ..	10	10
M.A. ..	5	4

Out of the successful M.A. candidates, two were placed in Class I and two in Class II.

Staff.—There was no change in the teaching staff.

Research Students.—M. Mohammad Anwar Ghauri, M.A., was appointed McLeod Arabic Research Student. He is working on *The Life and Times of Bashshar-bin-Burd*.

M. Abdul Quddus was appointed Bahawalpur Research Student. He is critically editing *Talkhis Majma' al Adāb*, Volume 5, from a unique autograph Ms. One hundred and sixty pages of the text have been published in the Supplement of "The Oriental College Magazine" for May and August, 1939.

Pir Mohammad Hassan, M.A., H.A., H.P., Professor, Lahore College for Women, who submitted his thesis on *Shahrazuri's Nuzhat ul Arwāh* for Ph.D., has obtained his degree. Khwaja Sakha

Ullah of the Islamia College, Peshawar, is working for his Ph.D. thesis under the guidance of the University Professor of Arabic.

Search and Purchase of Mss.—Sixty-seven Mss. and 11 rare prints were reported upon by the University Professor of Arabic during the year under report. Rotographs were obtained from four Mss. in Cairo, London and Calcutta. Six Firmans and other historical documents (sale-deeds) were purchased at his recommendation.

Employment of the Graduates of the Year.—M Abdul Qayyum, M.A., McLeod Arabic Student, has been appointed Lecturer in Arabic in the Zamindara College, Gujrat. M. Abdul Quddus, Bahawalpur Student, was appointed to officiate as second Maulvi in the Oriental College, Lahore.

Panjab University Arabic and Persian Society.—The Society was started in May, 1937, with the object of discussing problems connected with Arabic and Persian Languages and literatures, advancing the cause of these studies and the publication of Arabic and Persian texts and monographs. The membership of the Society is open to students and University and College teachers and other persons elected by the Executive Committee. Ten meetings were held during the year for discussion of papers apart from one business meeting. The Society has also started the publication of a quarterly journal. Four issues, covering 619 pages, appeared during the year.

“The Oriental College Magazine.”—Four issues of “The Oriental College Magazine,” covering 568 pages, were edited and published during the year.

Professor Mohammad Shafi, Head of the Department of Arabic, represented the Panjab University at the Delhi Session of the Idāra Ma‘arif-i-Islāmiā. He presided over one of the sittings and read a paper on “Sarw-i-Kāshmar.”

The number of students attending the University Classes was 49 as against 45 last year. The strength of the various Classes was as follows:

B.A. Honours III Year	8
B.A. Honours IV Year	7
M.A. V Year	17
M.A. VI Year	17
Total	<u>49</u>

In the M.A. Examination, 11 candidates passed out of 14. In the B.A. Honours, five candidates passed out of five.

There was no change in the Teaching Staff.

The following theses were written by the students for their M.A. Examination:

(1) "Valmikiya Ramayana (Uttara Kanda)," by Ram Kumar; (2) "A Critical Edition of the Commentary of Satapatha Brahmana on Chapters VII to XII," by Pyare Lal; (3) "Editing of XI to XX Chapters of Uttarakanda of Valmikiya Ramayana," by Dwarka Nath; (4) "Geographical Data from Four Puranas," by Phiraya Lal; (5) "Critical Edition of a Commentary on Amarakosa," by Sisupala, (6) "Vagbhusanam Kavyam," by Dina Nath; (7) "A Critical Edition of the Vrddha Harita-Smrti," by Chaman Lal; (8) "Concordance of the Manava Srutasutra and the Kausika Sutra," by Dina Dayalu; (9) "Prenatal Ceremonies in the Grhyasutras," by Ram Prakash; (10) "A Critical Edition of the Caturmasya Prayoga," by Harjit Singh; (11) "A Critical Edition of the Commentary of the Satapatha," by Sthanu Datta; (12) "A Critical Edition of Nama-Vilasa," by Triloki Nath; and (13) "Index to Geographical names in the Vayu Purana," by Shanti Devi.

Four issues of "The Oriental College Magazine" (Sanskrit and Hindi Section) were published.

The research work done by the Staff is given in Appendix II.

At the invitation of Dr. Lakshman Sarup, University Professor of Sanskrit, the following scholars from outside the Punjab delivered lectures in Sanskrit, on the subjects noted against their names, in the Oriental College:

- | | |
|---|--------------------|
| 1. Pandit Chinnaswami of
Banares Hindu Univer-
sity | } Mīmāmsā. |
| 2. Pandit Dina Nath Shas-
tri, Court Pandit of
Indore | |
| | } Vedic Astronomy. |

Mr. Jagan Nath, Lecturer in Epigraphy, went on a tour at his own expense to Western and Central India and examined ancient inscriptions at Junagadh and Mandasor.

Of this year's graduates, Mr. Piare Lal has been appointed as Research Assistant in the Visvesvarananda Vedic Research Institute, Lahore.

The numerical strength of various University Classes during the year was as follows:

**Persian
Department.**

	M.A.		
VI Year	..	..	12
V „	..	..	25
	B.A. HONOURS		
IV Year	..	..	38
III „	..	..	43
			118
	Total	..	118

Staff.—Dr. Mohammad Iqbal, M.A., Ph.D.; Dr. S. Mohammad Abdullah, M.A., M.O.L., D. Litt.; Mr. H. M. Shairani, H.P.; Dr. Rashid Ahmad, M.A., Ph.D.; Sufi G. M. Tabassum, M.A.; and Professor K. M. Maitra, M.A.

The department lost one of its ablest teachers by the death of K. S. Qazi Fazl-i-Haq, M.A., of the Government College, Lahore, who passed away on the 31st of July, 1939. His place has been taken by Dr. Rashid Ahmad, M.A., Ph.D. (London), formerly on the Staff of the Government College, Ludhiana.

The University Research Scholarship was held by Taj Mohammad Baloch, M.A., who continued his work of editing the *Mathnavis* of Khwaju. Of these he has published the *Kamal Nama* along with a biographical sketch of Khwaju in the "Journal of the Panjab University Arabic and Persian Society" and "The Oriental College Magazine" (August, 1939).

The University Professor attended the third session of the Idara-i-Maarif-i-Islamia held at Delhi in December, 1938, as a delegate of the University. As Secretary of the Idara, he edited the Proceedings of its second session, published in Lahore last year (700 pages).

The University Professor lectured twice a week during the year on Islamic History to the F. C. College Class.

The following papers on Persian subjects were read in various meetings of the Arabic and Persian Society held during the year :

1. Yasin Khan Niazi, M.A., "Khusrau as a Qasida-writer."
2. Agha Abdus Sattar, M.A., "Sultan Iltutmish and Architectural and Numismatic Remains from his Period."
3. Professor Mohammad Iqbal, "Arabic Histories of Pre-Islamic Persia."
4. H. Jamshid Ali Rathor, M.A., "Khwaju as a Lyrical Poet."
5. Taj Mohammad, M.A., "Khwaju's Life and Works."
6. Dr. S. Mohammad Abdullah, "Realism in Persian Poetry."

Bikramajit Hasrat, M.A., has been appointed Lecturer in Persian and Urdu at Santiniketan (Bengal). Taj Mohammad Baloch, M.A., and M. Ibrahim, M.A., have been appointed Lecturers in Urdu and Persian in the Zamindara College, Gujrat.

Of the 13 students sent up for the M.A. Examination, nine passed, one securing First Class and three Second. Miss Singha offered a thesis for paper VI and critically edited the Ghazaliyyat of 'Imad.

A report on research work was submitted separately.

The number of students attending the Observatory was as follows: Nine for the B.A. and B.Sc.; 27 for the M.A. (Practical) and one casual student in Practical Astronomy in preparation for the Indian Civil Service Examination was allowed by the Vice-Chancellor. The paper on "The Southern Stream and the K. Term" prepared by the Reader in 1938 was published in the course of this year in the Monthly Notices of the Royal Astronomical Society, Vol. 99, No. 1. Mention of this paper has been made by Professor J. H. Oort in the Report on the Progress of Astronomy, as contained in the Monthly Notices of the Royal Astronomical Society for February, 1939.

Work on Star Motions has been continued during the year under review and a paper entitled "The Solar Motion and Spectral Groups" has been prepared by the Reader and it is hoped that it will be published shortly.

Time observations have been carried on as usual both by the Staff and students for the correction of the Siderial Clock. The Harvard University Observatory has, through the kindness of the Director, Dr. Harlow Shaply, supplied us with the following periodicals for the year 1938-39:

1. Bulletin of the Harvard University Observatory.

2. Circulars of the Harvard University Observatory.
3. Annals of the Harvard University Observatory.
4. Reprints of the Harvard University Observatory.

The University German Classes opened on the 14th October, 1938, and closed as follows:

German Classes.
The Elementary Class on the 30th March, 1939.

The Intermediate Class on the 31st May, 1939

The Session opened with 13 students in the Elementary Class and five students in the Intermediate Class, out of whom eight were M.A.'s or M.Sc.'s and the rest were Graduates. The value of the German language is being increasingly realised for research purposes, as the majority of the students were research students. It is noteworthy that two of them, Dr. Jai Krishan Malhotra, M.A., Ph.D., and Dr. Anand Sarupa, M.Sc., Ph.D., got their degrees of Ph.D. from the Panjab University on producing original theses. I am glad to be able to state that a high standard of efficiency was attained by most of the Advanced Class students, and it is hoped that this high standard will be maintained. A noteworthy feature of the Session was the occasional use made of the linguaphone records, the value of which cannot be too much emphasised in giving the students an idea of the German language as it is actually spoken, and in correcting their pronunciation.

The duties of the Honorary Secretary were discharged, as during the previous year, by Mr. M. G. Singh, Vice-Principal, Central Training College, Lahore.

The Panjab University Foreign Information Bureau.

This year there has been a great rush of written and personal inquiries from the students, as well as from the High Commissioner's Office, owing to the reduction in rates of the Air Mail

Service till the 20th of August, 1939. The Secretary and his Assistant personally interviewed the students and their parents and relatives and gave them the required help and advice in each case. The number of personal inquiries and interviews has been considerably higher than in the previous years.

There is a little decrease in the number of students on whose behalf admission was arranged with Foreign Universities and this has been due to the International situation:

	1937-38.	1938-39
Aeronautical Engineering ..	4	3
Civil and Electrical Engineering	4	13
Technology ..	4	1
Oxford, Cambridge, etc. ..	4	15
Teaching ..	3	1
Economics ..	3	2
Medicine, Dentistry, etc ..	7	10
Bar and Law ..	4	2
Radio ..	8	2
Veterinary ..	6	2
Agriculture ..	2	2
Geography ..	1	0
Miscellaneous ..	4	3
Total ..	64	56

The total number of applications received was 56 as against 64 in the last year. Out of them 40 were accepted, 10 rejected and others are still pending. In addition to the above cases, the office of the High Commissioner for India, London, referred to this Bureau 120 cases who had corresponded direct with Colleges and Universities in the British Isles.

The Junior, School Certificate and Higher School Certificate Examinations were conducted as usual in December, 1938 and July, 1939. This year there is a little decrease in the number of candidates as compared with the previous years.

HIGHER SCHOOL CERTIFICATE
EXAMINATION, 1939

Boys .. 28 Girls .. 3

SCHOOL CERTIFICATE EXAMINATION, 1939

		July	December	Total
Boys	.. ..	115	94	209
Girls	.. ..	9	18	27

JUNIOR CAMBRIDGE EXAMINATION, 1939

Boys	.. ..	6	19	25
Girls	.. ..	0	30	30

A special centre was created at Dalhousie for the girls of the Sacred Heart High School, Dalhousie, only for the December Cambridge Local Examinations. These Examinations were conducted successfully in December, 1938, under the control of this Bureau. In 1940, the Higher School Certificate Examination will be held (for India only) in December as well as in July. External candidates will be admitted for the Higher School Certificate Examination only if they hold the School Certificate or have passed the Intermediate Examination of an Indian University. Certain Oriental Languages will be allowed as subsidiary subjects on the School Certificate Syllabus for Hindi or Urdu. The Junior Cambridge Examination will be held only once in a year, *i.e.*, in December, from 1940.

This Bureau published particulars in the local papers and also issued a circular letter for an External Research Studentship of Rs. 150, tenable at the Emmanuel College, Cambridge. Five applications were received by this Bureau, which were forwarded to the High Commissioner for favourable consideration by the authorities of the Emmanuel College, Cambridge.

The necessary publication was done by this Bureau in connection with the Holiday Course in English at the London University for overseas students from the 21st July to the 17th August, 1939, under the direction of Mr. Walter Ripman,

M.A. Other leaflets regarding Scholarships as announced by Institutions in England were given due publicity.

Extracts from the reports of the Interview and Record Board of the Indian Military Academy Examinations for October, 1939, and March, 1939, were circulated to the Principals of all the Colleges affiliated to this University for the information and guidance of the students.

Quite a large number of letters were received by the Bureau regarding training in English Banks and Railways. Such enquirers were informed that English Banks were prepared to arrange for their training provided they are already employed in Banks in India and provided also that the initiative for securing admission comes from a Bank in India.

Regarding practical training in English Railways in most branches of railway administration, information was received that such training might be arranged provided a premium varying from £105 to £150 a year was paid for the period of training ranging from one year upwards.

It would be very useful and beneficial if a small sum is provided for this Bureau for the purchase of certain publications and literature that are supplied and considered most essential in connection with the work of this Bureau. At present there is no fund for the purchase of books and literature which can serve a most useful purpose in helping and guiding the students who are seeking admission to a British University.

UNIVERSITY LAW COLLEGE

The College reopened after the Summer Vacation on the 4th of October, when admissions were made to the P.E.L. Class for the academic year 1938-39.

The Staff consisted, besides the Principal, of four Whole-time Readers and eighteen Part-time Lecturers.

The maximum number of students on the rolls in the various classes, as compared with the figures of the preceding year, was as follows:

Name of the Class	In 1938-39	In 1937-38
P. E. L. Class	.. 242	246
F. E. L. Class (New Regulations)	.. .. 174	157
LL.B. Class (New Regulations)	.. .. 129	Nil
LL.B. Class (Old Regulations)	.. .. 53	167
Conveyancing Class	.. .. Nil	14
	598	584

The number of weekly lectures delivered to each section of the P.E.L. and F.E.L. Classes was 19 and 20, and to the LL.B. Class under New and Old Regulations was 19 and 20 respectively.

A House Examination of the P.E.L., F.E.L. and LL.B. Classes was held in December and the Annual Sports Tournament in January. The Prize Distribution Function was held in March. Four issues of the College Journal were brought out during the year under report.

The total income from fees, excluding the examination fees, for the financial year ending the 31st March, 1939, amounted to Rs. 1,04,594-4-0 and the total expenditure was Rs. 1,25,145-13-3.

The results of the First Law and LL.B. Annual Examinations, held in 1939, are as under:

	Appeared	Passed	Pass percentage
LL.B. Examination (New Regulations)	.. 121	82	67.7
LL.B. Examination (Old Regulations)	.. 176	127	72.1
First Law Examination (New Regulations)	.. 190	139	73.1
First Law Examination (Old Regulations)	.. 6	2	33.3

The results of the Supplementary First Law and LL.B. Examinations held in September, 1939, are as under :

	Appeared	Passed
LL.B. Examination (New Regulations)	23	20
LL.B. Examination (Old Regulations)	39	31
First Law Examination (New Regulations)	10	9
First Law Examination (Old Regulations)	2	1

The Preliminary Examination in Law was conducted by the College in May, 1939. Two hundred and twenty-three candidates sat for the Examination out of whom 158 came out successful.

Out of the total number of 598 students on the rolls of the P.E.L., F.E.L. and LL.B. Classes, 264 resided in the College Hostel, 59 in the recognised hostels, 253 with parents, guardians and relatives and the remaining were permitted to stay in private lodgings for want of accommodation in the recognised hostels.

In the Panjab University Sports Tournament, the College entered teams in tennis, football, hockey, cricket, basket-ball, boxing, wrestling, gymnastics, athletics, rowing, swimming and relay races. The students did fairly well in the University Athletic Competition. Qazi Saleem Ullah won the first prizes in the 100 and 220 Yards Races and Raghpat Rai was awarded the third prize in Javelin Throw. Qazi Saleem Ullah also participated in the 100 and 200 Metres Races Competition held under the auspices of the Bombay Presidency Olympic Association and won trophies in both the events. The rowing team entered the Harper-Nelson-Manmohan Boating Race Competition and won the trophy. The College also organised a Championship Tennis Tournament in the month of November open to law students, old boys and members of the bar and judiciary in Lahore.

Forty-six students attended the First-Aid Class held under the auspices of St. John Ambulance Association.

The allotted strength of the Law College Detachment of the 4th University Training Corps was 20 including N.C.O.s. The actual number was 17 out of which 7 were non-commissioned officers.

The College maintained a Rifle Club.

Members of the Debating Team took part in various declamation contests and won laurels. Special credit goes to V. P. Joshi who was adjudged the best speaker in several contests.

The following book was published by a member of the Staff during the year under report:

“The Government of India Act, 1935, with a Critical Introduction and Explanatory Notes,” by C. L. Anand, 1939; 604 pages.

The academic year of 1939-40 commenced on the 23rd May, 1939. One hundred and sixty-three students were admitted to the F.E.L. Class.

The report will not be complete without adding a word about the Friends' Service League, a society which was started by the law students in 1930. During the year under report the society did excellent work. It maintained a free primary school in Gowalmandi for imparting education to adults and children in slum areas. It also maintained an Evening Class at the College premises for the education of the menials of this institution. It has successfully built up a poor students' Section of the College Library which now comprises about 350 volumes.

The University Oriental College

CHANGES IN THE STAFF.—There was no change in the Staff.

EXPENDITURE.—The expenditure in connection with the Oriental College during the year ending the 31st March, 1939, amounted to Rs. 1,17,741-14-0.

THE ROLLS—The maximum number of students on the rolls during the year was 255 as compared with the last year's 250. This is the highest number on rolls during the last 20 years. Of the students on the rolls, 21 were Scholarship-holders and 21 were in receipt of Stipends as against 18 and 27 respectively in the previous year.

EXAMINATION RESULTS.—One hundred and twenty-two students were sent up for the various University Examinations of which 81 passed, showing a pass percentage of 66.5. The number of successful students included 12 in the M.A., 55 in the Honours and High Proficiency Examinations in the various Oriental Languages and 14 in the Matriculation and Intermediate Examinations in English only.

HOUSE EXAMINATIONS.—Three House Examinations are conducted every year, *viz.*:

- (1) The First Quarterly Examination;
- (2) The Test Examination for the students to be sent up to the University; and
- (3) The Annual Examination of the College for the First Year students.

The award and tenure of stipends is strictly dependent on the results shown by the students in these Examinations. The promotion to the Second Year takes place in accordance with the results obtained by the students at the annual examination.

MEDICAL INSPECTION.—Arrangements for the medical inspection of the students before admission continued as before. Cards for individual students were maintained and the reports followed up. Medical assistance was provided in the hostel also. Dr. Ganeshi Lal, M.B.B.S., has been in charge of these arrangements since May, 1936. He is visiting the Hostel four times a week.

EDUCATIONAL TRIPS.—During the year under report educational trips were organised to

Lahore Fort, Shahdara Tombs and to the Government Weaving and Dyeing Institutes, Shahdara. Dogaich and two other neighbouring villages were visited by students in order to see the work of rural uplift. Boating excursions were also organised on several occasions.

The students enjoyed these trips, which added much useful information to their knowledge.

Lala Munshi Ram, B.A., B.T., was in charge of the trips as usual.

"THE ORIENTAL COLLEGE MAGAZINE."—
 "The Oriental College Magazine," which was started in February, 1925, is being issued regularly. It is a quarterly, published in February, May, August and November each year. It contains original literary articles connected with the various Oriental Languages which are taught in this College.

Oriental Scholars have expressed their appreciation of this publication which serves a real need.

The total number of pages printed during the year under report is 1,271 (Urdu 568 and Hindi 703).

THE PANJAB UNIVERSITY ARABIC AND PERSIAN SOCIETY.—During the year 1938-39, the Panjab University Arabic and Persian Society held ten meetings in which papers of considerable interest to the students and scholars of Persian and Arabic Literatures were read and discussed. These varied from Literature to History, Numismatics, Archæology, Science, etc., and brought in a fairly large audience. A list of the papers read in the Society is as follows:

1. Khusrau as a Kasidah writer.
2. Sultan Iltatmish and the Architectural and Numismatical Remains of his period.
3. Hospitals and Medical Institutions in Islam.
4. Medical Science of the Medieval Arabs.

5. Arabic Histories of the Pre-Islamic Persia.
6. Khwaju as a lyrical poet.
7. Realism in Persian Poetry.
8. Khwaju's Life and Works.
9. Social Life of the Companions of the Holy Prophet.

The Society continued publishing its Quarterly as Supplement to "The Oriental College Magazine." Four Issues covering 619 pages were published during the year.

COLLEGE SPORTS AND GAMES.—The chief games in which the students of this College take interest are Hockey, Football, Volley Ball, Basket Ball and Badminton.

Five boats are also provided for the use of the students on the Ravi. As a precautionary measure a Swimming Test of the students was held and boat passes were issued only to those students who knew Swimming very well.

The 8th House Tournament of the College was held this year in the month of March. In order to encourage the students an Annual Prize Distribution was also arranged. Dr. Khalifa Shuja-ud-Din, M.A., LL.D., Barrister-at-Law, very kindly presided over the function and gave away the Prizes. A sum of Rs. 167|8|- was spent on the purchase of the prizes.

The total sum spent on Sports this year is Rs. 610|13|-.

A First Aid Class was also started this year with the help of the St. John Ambulance Association who provided the Lecturer. The course was finished in eight lectures delivered in Hindustani. An Examination was held by the Association in which 19 students appeared and passed.

DISTINGUISHED VISITORS.—A feature of the year under report was a visit from the Hon'ble Minister of Education (Panjab). Several eminent Orientalists of foreign countries,

such as Mr. Sarwar Khan, Goya, Director of the Academy of Letters, Kabul and M. Musa Jar-Ullah, a Russian traveller and Orientalist also visited the College.

THE PROCTORIAL SYSTEM.—The Proctorial system is continued. The printed copies of the Proctorial Rules were distributed amongst the students of this College and identity cards for the whole College prepared.

The following continued to act as Proctor and Pro-Proctors :

1. M. Hasan-ud-Din, M.A., M.O.L., Proctor.
2. L. Munshi Ram, B.A., B.T., Pro-Proctor.
3. S. Baldev Singh, B.A., Pro-Proctor.

ASSOCIATED INSTITUTIONS.—The total number of Associated Institutions is now 18.

Saraswati Vidyala, Khanna, was associated conditionally during the year under report. The following institutions were inspected :

1. S. D. Sanskrit Pathshala, Multan, 2. Jamia Ahmadiya, Qadian, 3. Madrasa Faziliya, Batala, 4. Rishikula Ashram, Lyallpur.

The inspection reports were considered by the College Council and necessary instructions for improvements were issued.

The Council granted Rs. 47|- as Library Grant to each of the following seventeen institutions from the budget provision under the head :

1. The Madrasa of the Anjuman-i-Islamia, Lahore, 2. Sanskrit Pathshala, Hoshiarpur, 3. R. B. Gagar Mal's Sanskrit Pathshala, Amritsar, 4. S. D. Sanskrit Pathshala, Multan, 5. Dar-ul-Ulum Hanafiya, Kasur, 6. Madrasa Faziliya, Batala, 7. S. D. Pathshala, Jind, 8. The Madrasa of the Anjuman-i-Nusrat al Islam, Srinagar, 9. Jamia Ahmadiya, Qadian, 10. Mahavidyala, Sultanpur, 11. Khalsa Parcharak Vidyala, Tarn Taran, 12. Dar-ul-Ulum Rashidia, Gujranwala, 13. Brahman Sabha Pathshala, Simla, 14. Rishikula, Lyallpur, 15. Shri

Shankar Nath Mahavidyala, Hadiabad, Phagwara, 16. The Sanskrit and Hindi Pathshala, Sitla Mandir, Lahore, and 17. The Jamia Islamia, Amritsar.

WOOLNER FUND.—The Staff of the College and its friends and sympathisers contributed to the fund.

Total income of the fund during the year under report amounted to Rs. 360-7-0. A sum of Rs. 201-10-0 was paid in the form of fee concessions full or half to the University on behalf of about 38 students.

The balance in hand is Rs. 650-8-3 against last year's balance of Rs. 491-11-3.

The amount is deposited in the Savings Bank Account with the Lahore Central Co-operative Bank, Ltd., Lahore, and is operated upon by the Principal. Mr. Raghunandan is in charge of the Fund. Dr. Mohammad Iqbal checks the accounts annually.

RURAL UPLIFT AND ILLITERACY CAMPAIGN.—The Commissioner, Rural Reconstruction, delivered a lecture in Hindustani on Rural Uplift. The various pamphlets issued by the Department to educate the public mind and develop interest in Rural Uplift were also distributed amongst the students.

In compliance with an appeal of the Hon'ble Minister of Education regarding adult education, communicated to this College by the Director of Public Instruction during the last Summer Vacation, the members of the Staff were urged to offer the fullest co-operation. The reports submitted by them on the reopening of the College show that appreciable work was done.

PUBLIC LECTURES.—A series of popular lectures connected with the vernacular literature was delivered by the three Lecturers in the Vernaculars.

Several distinguished speakers such as Pt. Chinna Swami of the Hindu University, Benares

and Pt. Dina Nath of Indore delivered literary lectures.

The Inspection Committee appointed by the Syndicate of the University of the Panjab visited the College on the 13th March, 1939.

HAILEY COLLEGE OF COMMERCE

The numbers of students on the rolls of the three College Classes on the 30th September, 1939, were: First Year, 40; Second Year, 40; Third Year, 47; and the Teaching Staff remained as before, *viz.*, four Full-time Professors and two Part-time Lecturers.

Voluntary help was given by the Principal and Staff in the teaching work of the History and Technical Chemistry Departments of the University and the former continued to act as Secretary of the Punjab Board of Economic Inquiry and Editor of its publications dealing with the economic life of the Province.

The Vice-Principal continued to serve on the Resources and Retrenchment Committee appointed by the Punjab Government until February, 1939, when he left India to study economic conditions and the facilities available for commercial education in some European countries.

The College Magazine, The "Ganga," continues to receive favourable commendation as its issues not only contain reports of the College activities but also a number of articles of general interest dealing with the actual conditions and the future prospects of the economic life of the Province.

During the Session, in addition to the general trip made during holidays by some students to Sukkur, Hyderabad (Sind) and Karachi, visits for the different Classes were arranged with Professors in charge to Khewra, Lyallpur, Joginder-nagar, Dhariwal and Sialkot.

Generally speaking, the *ex* students who have done well in their College work and examinations are able to obtain appointments.

The Panjab University Library
EXPENDITURE

(a) *Books*.—Rupees fourteen thousand, nine hundred and one, annas fourteen and pies nine (including a special grant of Rs. 1,000 were spent on books as detailed below :

		Rs.	as.	p.
General books	..	12,265	0	1
Arabic books	..	1,522	15	1
Sanskrit books	..	1,113	15	7
		14,901 14 9		

(b) *Manuscripts*.—Rs. 1,406-15-6 were spent on manuscripts including rotographs on the recommendation of the Principal, Oriental College, as under :

(a) Arabic Manuscripts	..	71
(b) Sanskrit manuscripts	..	37

Persian and Arabic manuscripts were examined by the University Professor of Arabic before purchasing. Mr. R. A. Sastry examined the palm leaf Sanskrit Manuscripts before supplying.

(c) *Periodicals*.—The total amount spent on periodicals during the year under report was Rs. 6,966-10-0 as under :

		Rs.	as.	p.
General	..	6,767	8	0
Oriental	..	199	2	0
		6,966 10 0		

Five new periodicals were placed on the subscription list during the year under report.

(d) *Binding and Mending*.—The expenditure on binding 2,216 volumes, as per detail below, amounted to Rs. 3,577-1-0:

		No. of Volumes bound.
A.—General Section	..	1,287
B.—Oriental Section	..	929

(e) *Furniture*.—Twelve teakwood almirahs, one teakwood almirah for files, one teakwood shelf card cabinet, two teakwood meter boxes and two steel almirahs were purchased during the year. The total expenditure under this head amounted to Rs. 914-10-4.

RECEIPTS

Rupees three thousand, five hundred and eighteen, annas fifteen and pies nine only were realised on account of the security deposits from borrowers of Class "f" and the student members (for drawing books during the summer vacation), delay fines, penalty for books lost or damaged, advance postal charges, admission and tuition fees to the Library Training Class and were remitted to the Registrar from day to day.

ADDITIONS TO THE LIBRARY

Two thousand, nine hundred and two volumes (including accessions by bound periodicals) were added to the Library during the year under report as detailed hereunder:

General Section	..	1,788 volumes.
General Section	..	499 pamphlets and reports.
Arabic Section	..	317 volumes.
Sanskrit Section	..	298 volumes.

Total	..	2,902 volumes.

The total number of volumes excluding manuscripts in the Library on the 30th September, 1939, was 86,495 while that of manuscripts was 11,130 (Arabic manuscripts, 2,701; Sanskrit manuscripts 8,429).

GIFTS

Six hundred and eighteen books (including pamphlets and reports) were received from the various institutions and persons both direct and

through the Registrar, University of the Panjab, and were duly acknowledged with thanks.

The principal donors were:

The Government of India.

The Government of the Punjab.

The Inspector-General of Prisons, Punjab.

The Imperial Library, Calcutta.

The Shanghai Science Institute.

The Carnegie Endowment for International Peace, Washington.

The Smithsonian Institution, Washington.

The International Tin Research and Development Council, London.

The Hon'ble Mr. Manohar Lal, M.A., M.L.A., Bar.-at-Law, Finance Minister, Punjab.

CLASSIFICATION AND CATALOGUING

The total number of the books accessioned, classified and catalogued during the year under report in each section of the Library was as detailed below:

General Section.—The number of volumes accessioned was 2,290; the number of volumes classified was 2,317; the number of volumes catalogued was 2,317; and the number of cards written was 4,765.

Arabic Section.—The number of volumes accessioned was 317; the number of volumes classified was 297; the number of volumes catalogued was 297; the number of cards written was 817; and the number of manuscripts catalogued was 71.

Sanskrit Section.—The number of volumes accessioned was 292; the number of volumes classified was 292; the number of volumes catalogued was 292; the number of cards written was 1,537; and the number of manuscripts catalogued was 353.

BOOKS READ IN AND OUTSIDE THE LIBRARY

Thirty-nine thousand nine hundred and eighty-six volumes were taken out by the members for home use. Fifty-three thousand, five hundred and thirty-four volumes were consulted in the Reading Room and Reference Department. The total number of volumes, referred to in and outside the Library was, therefore, 93,520. The statistics for the various Departmental Libraries were not maintained, otherwise these figures would easily mount up.

The subjectwise analysis of the books issued and consulted in the Reading Room continued to show that Literature, Sociology, Science and History commanded the highest figures.

<i>Issued</i>			
General works ..	76	Useful arts ..	742
Philosophy ..	1,751	Fine arts ..	158
Religion ..	321	Literature ..	8,428
Sociology (General, Political Science, Economics and Law) ..	5,935	History ..	4,030
Philology ..	378	Biography ..	1,451
Science ..	4,756	Current periodicals ..	1,880
		Arabic, Persian and Urdu ..	4,308
		Sanskrit, Hindi and Panjabi ..	5,772
<i>Consulted</i>			
General works ..	1,438	Useful arts ..	914
Philosophy ..	2,011	Fine arts ..	561
Religion ..	688	Literature ..	4,620
Sociology (General, Political Science, Economics and Law) ..	3,446	History ..	4,462
Philology ..	1,170	Biography ..	1,200
Science ..	4,253	Current periodicals ..	4,266
		Arabic, Persian, and Urdu ..	13,715
		Sanskrit, Hindi and Panjabi ..	10,790

FACILITIES TO THE RESEARCH SCHOLARS DURING THE SUMMER VACATION

Twelve Professors, two Research Scholars and an M.A. (Sanskrit) student were afforded facilities to carry on their research work during the vacation, though the Library was closed to the public. And urgent requisitions for books and bibliographical references, made by the University Professors of Arabic and Persian, were duly complied with.

INTER-LOANS

Reciprocal loans of books and manuscripts between the sister-universities and other institutions continued and the scholars concerned had greatly appreciated this privilege.

- (i) Loan of Manuscripts.—Thirty-two manuscripts and rotos were lent to the University Professors and Research Scholars and certain other institutions on their executing bonds.
- (ii) Loan of Books and Periodicals to other Universities and Research Scholars.—Requisitions for the loan of books and periodicals received from the Lytton Library, the Muslim University, Aligarh; the Allahabad University and the Royal Asiatic Society of Bengal, Calcutta, were duly complied with.
- (iii) Loans from other Libraries.—Ten manuscripts and 27 books were borrowed from the undermentioned institutions in and outside India for the use of Research Scholars. The University Library Committee owed their grateful thanks to all these institutions for their cordial co-operation: The India Office Library, London; the Royal Asiatic Society of

Bengal, Calcutta; the Oriental Institute, Baroda; the Punjab Public Library, Lahore; the Director of Land Records, Lahore; the Imperial Library, Calcutta; the Calcutta University Library, Calcutta; the Punjab Text Book Committee, Lahore; the Central Museum, Lahore; the Assistant Secretary to Government, Punjab, Lahore; and Professor H. M. Shairani, Lahore.

THE PANJAB UNIVERSITY LIBRARY TRAINING CLASS

Four M.A.'s, one M.Sc. and 16 Graduates were admitted to the Library Training Class, but 19 actually joined. Eventually, 18 appeared in the examination and passed (one in the First, six in the Second and the rest in the Third Division).

DEPARTMENTAL LIBRARIES

The various Departmental Libraries continued to work satisfactorily.

MEMBERSHIP

During the year under report, 1,134 members joined the Library as detailed hereunder and 286 Undergraduates and others obtained Readers' tickets:

General Section	..	1,004
Sanskrit Section	..	70
Arabic Section	..	60
		<hr/>
		1,134
		<hr/>

CORRESPONDENCE

The total number of letters received and issued during the year under report was 2,109 and 2,431 respectively.

CARE OF BOOKS

In spite of carrying on the usual preventive measures against injurious insects throughout the year, the white ant appeared on some of the shelves in the main hall sometime in June. Certain relief measures were taken forthwith in consultation with the University Engineer, which eventually brought their onslaught under control in August.

CATALOGUE OF JAIN MANUSCRIPTS

The catalogue of Jain Manuscripts available in the various Bhandars of the Punjab, edited by Dr. Benarsi Das, M.A., Ph.D., with a preface by Mr. Labhu Ram, Librarian, was published. It is a fair representation of Jain Literature in almost all the important branches. In accordance with the agreement, 110 copies were supplied to the President, Shri Atma Nand Jain Sabha, Ambala. Once more the Library Committee record their cordial thanks to the Shri Atma Nand Jain Sabha, whose munificent donation of Rs. 1,000 enabled the University to prepare and publish this valuable catalogue of MSS.

MEETINGS

The Library Committee met five times during the year under report and once papers were disposed of by the Committee in circulation. The Special Committees were appointed by the Syndicate and the Academic Council respectively to frame the constitution etc., of the Library.

Panjab University Public Services Examination Class

The Panjab University Public Services Examination Class has again had a very successful year. We admitted 34 candidates, and the amount earned from fees was sufficient to cover all expenses. While this is a satisfactory feature from the financial point of view, it cannot be regarded as meeting the real requirements of a class of this nature. Our efforts should be for a more careful selection of the candidates initially admitted and to provide them with a more intensive course of preparation than we are able to do at present. With this policy in view the University has agreed to reducing the number of students.

Within the restricted finances of the Class, an attempt has been made to provide some tutorial work in the Vernacular Languages in which many otherwise likely candidates are very weak.

An Interview Board was also arranged in order to give practice to the candidates in the Viva-Voce Test. Our thanks are due to the Vice-Chancellor, Mr. S. K. Kirpalani, I.C.S., and Mr. W. R. Jones, B.Sc., Member, Public Service Commission, Punjab and N.W.F.P., for having given their time to sit on the Interview Board.

We secured two successes in the last year I.C.S. Examination by open competition. At the time of writing this report, it is not yet known as to whether any students of our class have been successful in the Indian Audit and Accounts Service.

Panjab University Sports Tournament Committee

The following table shows the number of Colleges that entered the various events of the P. U. S. Tournament during the year:

Events	Lahore Colleges	MOFUSSIL		Total	Last year
		Degree	Inter		
1. Basket-ball ..	6	7	1	14	11
2. Boxing ..	6	..	..	6	8
3. Wrestling ..	6	4	..	10	11
4. Boat Races	9	..	..	9	9
5. Kabaddi ..	5	3	1	9	11
6. Gatka ..	5	2	1	8	9
7. Swimming ..	6	3	..	9	6
8. Volley-ball ..	8	11	7	26	26
9. Hockey ..	11	19	12	42	38
10. Football ..	12	19	10	41	40
11. Cricket ..	9	10	..	19	17
12. Cross-Country	7	4	..	11	10
13. Tennis ..	8	12	5	25	25
14. Relay Races	7	6	..	13	14
15. Gymnastics ..	8	3	..	11	10
16. First-Aid ..	6	4	1	11	11
17. Athletics ..	11	14	5	30	24

On the whole, there is a small increase in the entries, even with the enhanced fees. The total number of entries for the year in all the events is 294 as against 280 for the previous year.

The distribution of Tournament Trophies is again fairly good, though the Government College, Lahore, still retains the lion's share and the Championship :

Government College, Lahore.—Athletics, Boxing, First-Aid, Tennis, Swimming, Wrestling and the Championship.

Khalsa College, Amritsar.—Hockey, Volleyball and the Mofussil Colleges Championship.

Forman Christian College, Lahore.—Football.
M. A. O. College, Amritsar.—Cricket.

Gordon College, Rawalpindi.—Basketball.

Dyal Singh College, Lahore.—Boat Races.

Sikh National College, Lahore.—Cross-Country.

Government College, Ludhiana.—First-Aid (Mofussil).

Sanatan Dharma College, Lahore.—Gatka and Gymnastics.

Islamia College, Lahore.—Kabaddi and Relay Races.

The Intermediate Colleges Champions are :

D.A.-V. College, Hoshiarpur.—Athletics.

Khalsa College, Gujranwala.—Hockey.

Khalsa College, Lyallpur.—Football and Volleyball.

Randhir College, Kapurthala.—Tennis.

Once again the Tournament has passed off fairly smoothly and satisfactorily, and there were very few unfortunate incidents. But perhaps this deceptive calm is due more to our rules and punishments than to a better understanding of the spirit of sport. Indiscipline, rebellion and defiance of authority are in the very air we breathe

these days, and, therefore, it is not surprising that they are manifested in sport also. One healthy sign is that, during the year, when certain troubles have arisen, the Principals concerned have tried to settle matters mutually and privately, out of court, rather than make official complaints. This is all to the good, provided differences are settled, and no bitterness remains.

Our games and sports will only achieve their real objects when college authorities insist that emphasis be laid on an observance of the spirit and letter of rules and regulations, on play, exercise, hard and clean competition and character building, rather than on the mere winning of trophies. Today professionalism is creeping into sport more and more, and colleges have to be vigilant against this unfortunate practice. Rules and more rules and regulations are not adequate without the proper spirit and correct attitude.

New records have been created in the 100 yards, quarter mile, shot put, discus throw, 110 yards relay race, the swimming sports, the 100 yards free style, 440 yards free style, 100 yards back stroke and the two-length relay race.

The ground floor of the sports hostel for mofussil teams is now ready for occupation, and it is to be hoped that in connection with our tournament and on many other occasions our mofussil students will enjoy the comfort and situation of this building and the recreational facilities of the adjacent Panjab University Union, which have kindly been offered to them free.

Now that the tournaments have been separated, provided there are at least five entries, it is to be hoped that more Intermediate Colleges will enter and compete against each other. There should certainly be large entries in hockey, football, athletics, relay races, tennis, basketball, volley-ball, wrestling, gatka and kabaddi.

Department of Physical Training

The table below shows the position of the Arts Colleges regarding Physical Directors:

Colleges	Number		No. having P.Ds.		No. without P.Ds.	
	1938	1939	1938	1939	1938	1939
A.—Private ..	23	24	23	23	0	1
B.—Government	15	14	15	14	0	0
C.—State ..	6	7	6	7	0	0
D.—Women's ..	4	5	0	0	4	5
Totals ..	48	50	44	44	4	6

GROUP A.—The Sikh National College, Lahore, the Jain College, Ambala, and the Zamindar College, Gujrat, have trained Physical Directors on their Staffs. St. Joseph's College, Baramula, is without a trained man at present, but they are contemplating a new appointment.

GROUP B.—The Government Intermediate College, Gujrat, has been closed down and replaced by the Zamindar College.

GROUP C.—The new Ranbir College, Sangrur, has a trained man on the Staff.

GROUP D.—A new Islamia College for Women at Lahore has been given affiliation. The position of Physical Training in the five Women's Colleges remains unsatisfactory, because there are no trained persons on the various Staffs. There are now Colleges at Madras, Bombay and Calcutta, where Physical Directresses can be trained and the Director, Physical Training, is of opinion that a time-limit of two or three years should be laid down during which every affiliated Women's College should be required to appoint a trained person on the Staff for Physical Training. The University has taken a big step forward in deciding to

appoint a Directress of Physical Training to organise, conduct and supervise this work in the Women's Colleges. It is hoped to select and appoint a suitable person in the near future, and then Physical Training for our women students will be started in right earnest.

Another event of great interest and benefit to our women students will be the completion, on the University grounds, of a Swimming Tank for them in the near future. This scheme originated some five years ago, and was worked up entirely by a Committee of ladies. Two-thirds of the necessary funds have been raised by them, and now the University has taken over the scheme and undertaken to complete it.

About four or five years ago, a Panjab University Women's Sports Tournament Committee was constituted privately. This body now conducts tournaments for women students in Athletics, Tennis, Badminton and Netball. From 1940, Swimming Sports will be added, and, later on, when Physical Training is properly organised and conducted, a very fine programme will be available for the betterment of the health, physique and character of our women students.

As far as the men are concerned, our programme of work improves year by year. We are still far from the goal we have set before ourselves, but we are moving forward slowly and steadily. The practical side of the work which includes all games and sports, callisthenics (corrective and hygienic exercises), group games, efficiency tests, etc., continues to be better organised and conducted, than what may be called the theoretical side, which includes physico-medical examinations, corrective and remedial work, health instruction, statistics, reports, etc. An attempt is now being made to stress and develop this latter

side more, and it is hoped that, before long, this aspect of our work will catch up with the other, and that both of them, together, will then progress harmoniously, surely and steadily towards the attainment of our ideals.

An event of much importance to our men and work took place last winter, when a Physical Training Conference and Short Refresher Course were organised and conducted by the University Director of Physical Training and the Adviser on Physical Education to the Education Department, Punjab. This Conference was officially approved and supported by the University and Education Department, and was held at the Boy Scouts Headquarters, Montmorency Park, kindly lent for the purpose. The Conference was addressed by the Chief Justice, the Premier, the Education Minister, the Vice-Chancellor and various other prominent persons.

In all 66 Physical Directors attended, representing Schools, Colleges and Districts, and, in addition to the addresses, there were a series of lectures, demonstrations, discussions and practical instruction. The organisers are well satisfied with this first effort of its kind, and believe that it has brought nearer the attainment of its aims and objects which are:

- (a) To ensure closer co-operation between the University and the Education Department.
- (b) To raise the standard of Physical Training in Schools, Colleges and Districts.
- (c) To bring about uniformity of ideas and programmes of work.
- (d) To refresh and revitalise all workers and to impress on them the national need for the privilege and responsibility of this work.

Panjab University Cricket Club

The accounts of the Panjab University Cricket Club for 1938-39 were audited by the University Auditors on 11th May, 1939, and were found in order. The Balance Sheet opens with the credit balance of Rs. 1,284-9-6 and closes with that of Rs. 545-15-6.

The Club entered the Inter-University Championship this year also. After having beaten the Muslim University, Aligarh, and the Hindu University, Benares, the Club lost the finals to the Bombay University. Colours were awarded to Messrs Jagdish Lal, Azmat Hyat, Nizam-ud-Din, Usman Butt, Murawat Hussain, and Sher Mohamad.

There were 39 members of the Club for the year under review: 15 from Government College, Lahore; 5 from M. A. O. College, Amritsar; 7 from Islamia College, Lahore; 1 each from F. C. College, Lahore and Islamia College, Peshawar; two each from Government College, Ludhiana and P. W. College, Jammu; and three each from Hindu Sabha College, Amritsar and S. P. College, Srinagar.

S. N. Bhatia (Government College, Lahore) and Aftab Ahmad (Islamia College, Lahore) were the Captain and Secretary of the Club respectively.

The 4th (Lahore) Battalion University Training Corps.

The following is the list of officers :

Commanding Officer	..	Lieut.-Colonel P. R. Bence-Jones, M.C., M.A., M. Inst. C.E., M. T. Mech. E.
Adjutant	..	.. Major W. C. Dracup, Green Howards.
R. S. M.	..	.. R. S. M. Weir, U. L. I. A.

OFFICERS

COMPANY COMMANDERS—4

Captain Amar Nath Bali	..	..	D. A.-V. College, "A" Coy.
.. Jagaddhar Sharma Guleri	..	..	Agricultural College, "D" Coy.
.. Hukam Chand Mahajan	..	..	D. A.-V. College, "B" Coy.
.. Sant Ram Grover	..	..	Dyal Singh College, "C" Coy.
.. Madan Gopal Singh	..	..	Central Training College.

SUBALTERNs--20

Lieut. Chuni Lal Mathur ..	.. Law College.
„ Ishwar Chandra Nanda ..	.. Government College:
„ Radha Krishena Seth ..	.. D: A.-V. College:
„ Pyare Lal Anand ..	.. Sanatan Dharma College.
„ Hira Lal Chopra ..	.. Ditto.
„ Mohan Lal Joshi ..	.. Forman Christian College.
„ Ghias-ud-Din Ahmad ..	.. Agricultural College.
„ Abdul Wahid ..	.. Islamia College.
„ Sardar Mohammad ..	.. Agricultural College.
„ Mohammad Aslam ..	.. Islamia College.
„ Wallace Alam Shah ..	.. Forman Christian College.
2/Lieut. Prem Maya Dass ..	.. Agricultural College.
„ Kaashi Nath Dutt ..	.. Government College (L).
„ Krishen Gopal Bhandari ..	.. Agricultural College.
„ Wadhawa Singh ..	.. Government College (L).
„ Harnam Singh ..	.. Government College.

The following Officers were granted commissions:

Lieut. I. C. Nanda, Government College, Lahore, with seniority, 8th July, 1934.

2/Lieut. Wadhawa Singh, Government College, Lyallpur, with effect from 15th October, 1938.

2/Lieut. Harnam Singh, Government College, Lahore, with effect from 1st July, 1939.

Lieut. Milkhi Ram, Government College, Lahore, resigned his commission.

TRAINING.—Training commenced on 1st October, when the Battalion prepared for Camp. Unfortunately the Camp was held very early (9th to 23rd October) and only two parades could be carried out before the move to camp. It is an advantage from a military point of view that recruits receive some instruction in elementary drill before they proceed to Camp.

The Camp was held from 9th to 23rd October at Lahore Cantonment on the site known as the Rest Camp. The site had many advantages, particularly the proximity of regular troops who assisted in the training of Cadets.

The maximum number of Cadets in Camp was 623. Owing to sickness, or urgent private affairs,

the number fell to 616. The full establishment is 637.

Eighteen Officers attended the Camp. The total strength of Officers in the University Training Corps is 21.

Eighteen British Instructors from various British Units and the six Permanent Staff formed the Camp Staff.

Two demonstrations were staged by the 1st Battalion, D.C.L.I. One was carried out with Ball Ammunition on the Range and two demonstrations of the New Field Drill and Guard Mounting were given by the 10|8th Punjab Regiment. These demonstrations were of undoubted value and were much appreciated. They added to the interests of training and every endeavour will be made in future to arrange the University Training Corps Camp near Cantonments.

All Companies had an opportunity of firing on the three Ranges in Lahore Cantonments and in fact an average of two Ranges were allotted to the Battalion on seven out of the fifteen days in Camp, further exemplifying the attraction of the Cantonments. The shooting was of a high standard and undoubtedly the College Rifle Clubs have done much to improve the standard.

The Brigade Commander—Brigadier M. B. Beckwith Smith, D.S.O., M.C.—was a frequent visitor to the Camp, and his visits were particularly encouraging to Officers and Cadets.

INSPECTIONS AND VISITS

On the 18th October His Excellency Sir Henry Duffield Craik, Bart., K.C.S.I., I.C.S., intimated his willingness to become Honorary Colonel of the 4th University Training Corps. His Excellency visited the Battalion in the Camp on the 18th October and expressed himself satisfied with all he saw.

Major-General M. Saunders, C.B., D.S.O., Commander, Lahore District, visited the Battalion on the 19th October and expressed himself satisfied with all he saw.

At the Annual Convocation of the University on the 22nd December, 1938, the 4th Lahore University Training Corps provided a Guard of Honour for His Excellency The Governor of the Punjab.

On the occasion of His Excellency's visit to Lyallpur on the 6th February, 1939, the Agricultural College provided a Guard of Honour at the Annual Convocation of that College.

During February the Annual Musketry Courses were continued on the Ranges in Lahore Cantonment. A very satisfactory standard was obtained and very few Cadets failed to complete the Courses.

The Annual Rifle Meeting took place on the 3rd and 4th March, 1939, on the Law College Miniature Range and on the Open Ranges in Lahore Cantonments. The entries had to be limited to those Cadets, Recruits and Seniors who obtained high scores in the Annual Courses.

The Matches fired and the results are:

Match No. 1—Bishop Barne Cup—Senior and Junior—won by No. 4344 Cadet A. Singh, Agricultural College.

Match No. 2—Bishop Barne Cup—Recruits—won by No. 5482 Cadet R. N. Kumar, Dyal Singh College.

Match No. 3—Minto-Inam Ali Cup—won by No. 1 Team, "D" Coy.

Match No. 4—Staff and Under-Officers—won by A|R.Q.M.S. Davis.

Vice-Chancellor's Cup—This Cup, awarded for the highest aggregate in the Annual Rifle Meeting, was won by No. 4264 Sgt. K. K. Chopra, D.A.-V. College.

Other Challenge Cups won during the year were:—

Efficiency Cup—Awarded to the best Cadet of the year (Recruits and N.C.Os. excluded) and was won by No. 4344 Cadet Arjan Singh, Agricultural College.

Mesopotamia Cup—Awarded to the College Detachment showing the best all round results of the training year ending 31st March, 1939, was won by Government College, Lyallpur.

ADMISSIONS—I.M.A.

Pran Nath Luthra, admitted I.M.A. (1938).
 5116 N. K. Chatterjee, admitted I.M.A. (1938).
 5111 J. G. Singh, admitted I.M.A. (1938).
 5143 Amreek Singh, admitted I.M.A. (1938).
 4845 Inderjit Rikhye, admitted I.M.A. (1938).

ADMISSIONS—A.I.R.O.

3457 Sgt. P. C. Bahl, 1938.

ADMISSIONS—R.A.F.

4638 Arjan Singh, 1938.

ADMISSIONS—NAVY

5121 M. M. Kaul, 1938.
 3534 Under-Officer Abdul Hamid, 1939.

On the 7th March, 1939, the Brigade Commander (Brigadier M. B. Beckwith Smith, D.S.O., M.C.), held his Annual Inspection of the University Training Corps (Lahore Colleges). Thirteen Officers and 291 Cadets were present. The turnout and drill were good and the inspection closed the training for the year 1938-39.

The institution suffered a great loss in the death of Mahatma Hans Raj Ji. There were very few changes in the Staff which, at present, consists of 17 members.

**The Dayanand
 Ayurvedic College,
 Lahore.**

Dr. Asa Nand, M.B.B.S., Vice-Principal, compiled and published in Hindi, a book on "Differential Diagnosis." The Principal, Pandit Surendra Mohan, did some research work in connection with metals and minerals mentioned in Ayurvedic books.

The total number of students in different classes on the 31st October, 1939, was 156. The detail is given below :

	1st Year.	II Year.	III Year.	IV Year.	Total.
1937-38 ..	69	51	61	32	213
1938-39 ..	41	32	44	39	156

The period of training in the case of every student has been fixed at four years. This has led to decrease in the number of students as compared with the previous years. Tuition fee has also been raised from rupees two and annas eight per mensem, to rupees four this year.

Out of 51 students who appeared in the Vaid Kaviraj (three years' course) Examination, held in June, 1939, 48 passed, two were placed under the Compartment Rule and one was expelled. In the Vaid Vachaspati (four years' course) Examination, 35 students appeared and 34 passed.

Most of the Graduates of this College are successfully carrying on their practice in towns and villages not only of the Punjab but of the United Provinces, Bihar and other Provinces. Some are serving in Charitable Dispensaries, belonging to private persons or philanthropic societies. The services of the students sent by the States and the District Boards are utilised by them.

Indoor patients, admitted and treated in the Hospital of the College during the last two years, are enumerated below :

Year.	Cured.	Died.	Discharged otherwise.	Total.
1937-38 ..	184	11	73	268
1938-39 ..	240	7	36	283

The above numbers include both the medical and surgical cases, the latter being 71 in 1938-39.

The number of patients treated in the three outdoor dispensaries during the last year is given below :

	Name of Dispensary.	Males.	Females.	Children.	Total.
(1)	A.-V. College Dispensary ..	27,086	4,912	11,872	43,870
(2)	Female Dispensary ..	..	13,609	3,936	17,545
(3)	Sutar Mandi Dispensary ..	12,335	5,669	4,232	22,236
Grand Total ..		39,421	24,190	20,040	83,651

The Institution has thus afforded relief to 83,651 patients during the year under report. Besides service to the Public, these Indoor and Outdoor Departments of the College afford a very splendid opportunity to the students to learn the diagnosis and treatment of the diseases under the guidance of their experienced professors. The College authorities spend a total amount of Rs. 7,425 on these Charitable Departments annually. Out of this sum, Rs. 2,625 and Rs. 500 are paid by the Punjab Government and Lahore Municipality respectively. The balance is met out of the College Funds. Over and above this amount, petty donations amounting to nearly Rs. 500, offered by the patients and others, are also utilised in partly meeting the expenses of diet and medicines for the patients.

Last year, about half a dozen unclaimed corpses, received from the Indoor Hospital of the College or from Sir Ganga Ram Hospital, were dissected by the students for Anatomical Training. The corpses received in summer are preserved in the Cold Mortuary which was constructed in 1937 at a cost of nearly Rs. 2,000. The Anatomical Museum, equipped with articulated skeletons, bones and up-to-date models, is well utilised by

the students for the study of Anatomy. The Pharmacy Department of this College is fairly well-established. The machinery of various types for grinding, pulverising, coating, pill and tablet making, etc., purchased occasionally, facilitates the work of preparing medicines. Students are given very good training in this Department and prepare with their own hands 30 or 40 medicines of different types every year. The D.A.-V. College Managing Committee allots 16 scholarships of amounts varying from rupees four to seven to the deserving students. In addition to this students are awarded stipends by various charitable trusts.

The Students' Association of this College, which is conducted by the students themselves under the guidance of a Professor, has been holding its weekly or fortnightly meetings to discuss matters concerning Ayurved and other affairs. Students are charged rupees two and annas four annually as subscription for "Ayurved Sandesh," which is a monthly Hindi Magazine of good repute among the Vaid Community. In it articles are contributed not only by the students and the Staff of the College but by eminent Vaid of the Punjab and other provinces. Volley-ball, Gymnastics, Wrestling, Gatka, Badminton and Kabaddi form the chief games of the students. Sports and the "Ayurved Sandesh" are conducted by a representative Body of the students, presided over by the Principal. The Hostel of the College is yet in its infancy. It can afford accommodation to about $1\frac{1}{2}$ dozens of students. Others live in privately managed lodges and temples or with their relatives.

The Reading Room of the College is provided with a large number of daily and weekly newspapers and medical magazines. The Library has had an addition of 137 books, the total number amounting to 1,009 on the 31st March, 1939. Most of the new books were purchased out of the Library Funds and the remaining were presented!

by the authors and publishers, all of whom deserve our best thanks.

The Tibbia College, Lahore, contains two classes for the teaching of indigenous medicines, *i.e.*, Hakim-i-Haziq and Zubda-tul-Hukma. The course of Hakim-i-Haziq is in Urdu while that of Zubda-tul-Hukma is in Arabic.

The number of students on roll in September, 1939, was as follows:

1. Hakim-i-Haziq	.. 58 1st Year.
2. " " " " " "	.. 42 2nd Year.
3. " " " " " "	.. Nil 3rd Year.
4. Zubda-tul-Hukma	.. Nil
5. Post-Graduates' Class	Nil
6. Practical Class	.. 5

The students came from amongst Muslims, Hindus and Sikhs.

The popularity of the College may be judged from the fact that though the course of Hakim-i-Haziq has been raised from two to three years—the minimum standard for admission to the Matriculation—and the institution is now a day college, still there is no paucity of students seeking admission.

COURSE OF STUDY

A regular and definite course of outstanding books on all the branches of the Unani System of Medicine is taught. The subjects taught in the past were principles and practice of medicine, anatomy, physiology, materia medica and clinics. In the year under review we have added the following:

1. Basic Science (like Chemistry and Physics) has been introduced up to the standard of Matriculation.
2. Specific Modern Medicine has been included in the studies.

3. A clinical laboratory, already established, has been further elaborated by the addition of apparatus for the teaching of modern methods of diagnosis and examination of urine, sputum, blood and feces.

4. The subject of Hygiene up to the standard of Matriculation.

5. A botanical garden containing drug plants and a sufficient quantity of dry drugs for practical training has been added to the *Materia Medica*.

6. Two charitable outdoor dispensaries for the practical training of the students with arrangements in one of the hospitals for minor surgery.

7. A big central Unani Dawakhana has been established for the training of students in simple and compound pharmacological preparations.

THE TEACHING STAFF

The Teaching Staff of the College consists of nine teachers. In addition to the last year's existing Staff, an experienced M.B.B.S. doctor has been appointed to keep the students in touch with modern discoveries and to teach them modern clinics.

RESEARCH WORK

During the last summer vacation the students of this College collected herbs and local medicines used in the country for various diseases; Dr. Sadiq Hussain, M.B.B.S., is working on them and some good results are expected.

THE DEBATING SOCIETY

The Debating Society (*Majlis-i-Mazakara-Tibbia*) holds its weekly sittings at which the Staff and all the students have to attend. Discussions take place on the principles and doctrines of the ancient Hakims and various modern "Pathies." Expert and famous Hakims and doctors are also invited to deliver lectures on different subjects in Medicine.

GAMES

Though there are no spacious playgrounds directly attached to this College, yet the College has its own Boat Club and Volley-ball Club and frequently avails of the big ground in front of the Islamia College.

LIBRARY

A sufficient number of valuable new books by famous authors has been added during the year.

BOARDING HOUSE

There is one proper boarding house of the institution which is controlled by the Managing Committee.

EXAMINATIONS

Final examinations are held by the Board of Examinations in April every year. Detailed Rules of Examination have been framed by the Managing Committee to control the examinations strictly on University lines.

The following are the results of the examinations held in 1938-39:

Hakim-i-Haziq.—Out of 53 College students, 33 passed, and out of 13 private students, 10 passed.

Zubda-tul-Hukma.—Out of five private students four passed. Twenty-nine students of the Tibbia College, Hussain Agahi, Multan, which is affiliated with this institution, appeared in the Hakim-i-Haziq Examination, out of which 26 came out successful.

1. The Panjab University Oriental Publications Fund received its income from the following sources:
 (a) University grant, Rs. 3,000;
 (b) Sale of Publications and Royalty, Rs. 985-15-0; and (c) Interest from the Bank, nil.

The expenditure incurred, *i.e.*, Rs. 264, was mainly on account of printing and conveyance of the following work: Tulsi Das Ramayana, Rs. 264.

The second edition of the "Tatimma Siwan al-Hikma," Part II, was printed and will be published soon. Because of the previous commitments—which await publication—and the small amount of balance in the Fund, no new work was included in the series this year.

M. Mohammad Shafi, M.A., Principal, Oriental College, continues to be the Administrator of the Fund.

Among others during the period under review, **Regulations.** the following important amendments of Regulations were sanctioned by the Punjab Government (Education Department):

1. Regulations 6 and 5 at pages 187 and 202 of the Calendar, respectively, dealing with the Intermediate and B.A. Examinations so as to add Home Science, Music and Art for female candidates to the list of elective subjects.
2. Addition of Regulation 3 at page 134 of the Calendar, so as to permit members of His Majesty's Regular Land, Air and Sea Forces to appear as private candidates in the Intermediate (Arts), Bachelor of Arts, Intermediate (Oriental), Bachelor of Oriental Learning, Oriental Titles and Modern Indian Languages Examinations.
3. Clause (g) of Regulation 2 at page 133 of the Calendar, so as to provide that whole-time Librarians or Library Clerks in recognised High Schools shall be eligible to appear as private candidates.
4. Regulations in the Faculty of Engineering, so as to institute the Degree of B.Sc. Engineering (Civil).

5. Regulations dealing with the examination for the Degree of Bachelor of Medicine and Bachelor of Surgery, so as to bring it in line with the recommendations of the Medical Council of India regarding Professional Education and to fix age-limit for admission to the First Professional Examination.
6. Regulation 5 at pages 197 and 198 of the Calendar, so as to permit the candidates to take up German as one of their subjects for the B.A. Examination.
7. Regulations 5 and 6 at pages 141 and 187-188 of the Calendar, respectively; so as to exempt candidates who have already passed the Matriculation or Intermediate Examination in English only, after passing one of the Oriental Titles or Modern Indian Languages Examinations, from appearing in English again if they offer themselves for examination in all the subjects of the Matriculation or Intermediate Examination.
8. Regulation 2 at pages 183 to 186 of the Calendar, dealing with the Intermediate Examination (Arts Faculty), and Regulation 2 at pages 233 to 236 of the Calendar, dealing with the Intermediate Examination (Science Faculty), so as to give the same concession to students who have passed the Oxford School Certificate Examination as it is at present given to students who have passed the Cambridge School Certificate Examination.
9. Addition of a Transitory Regulation at page 285 of the Calendar under the Third Professional Examination for M.B.B.S., so as to provide that a candidate who has failed in the subject of

Pathology including Parasitology in the Second Professional M.B.B.S. Examination held prior to the year 1940, shall be permitted to reappear in this subject in the aforesaid examination till October, 1939, under the Old Regulations, and thereafter in the Third Professional M.B.B.S. Examination under the New Regulations.

10. Regulation 8 at page 109 of the Calendar, so as to provide that in all examinations Paper-setters shall assign marks for each question which shall be indicated on the question paper for the information of candidates.
11. Regulations 1, 2-A and 10 at pages 73, 75 and 78 of the Calendar, so as to constitute Board of Studies in Dentistry under the Dental Faculty.
12. Regulations 16, 17 and 19 at pages 413 and 414 of the Calendar so as to provide that the Research Studentships shall be open to graduates of this University only.
13. Regulations 5 and 6 at page 178 of the Calendar, so as to allow the candidates for the Prabhakar Examination the option of taking an additional paper in Elementary Sanskrit.
14. Regulation 2 at pages 331 and 332 of the Calendar, so as to provide that persons who are engaged in research in an affiliated college be permitted to appear as private candidates in the M.Sc. Examination in the Faculty of Agriculture.
15. Regulation 17 at page 393 of the Calendar, so as to provide that the appointment of the University Auditor shall be made for four half-yearly audits, instead of two years.

16. Transitory Regulation 2 at page 170 of the Calendar, so as to enable the holding of the LL.B. Examination under the Old Regulations up to 1943.
17. Addition of Regulations for the admission of certain Diploma-holders to the M.B. B.S. Degree of the 'University of the Panjab.

Students' Residence

The following private hostels were accorded recognition for the year 1939-40:

(1) Khalsa Boarding House, (2) Shri Amar Jain Hostel, (3) Dev Samaj Boarding House, (4) Younghusband Collegiate Hostel, (5) Arya Vid-yarthi Ashram, (6) Aggarwal Ashram, (7) Moh-yal Ashram, (8) Digamber Jain Hostel, (9) Cooper Hostel, (10) St. John's Hostel, and (11) Ah-madiyya Hostel.

Affiliations

The following new Colleges have been affiliat-ed during the period under report:

1. Islamia College for Women, Lahore.—Up to the B.A. standard in the subjects of English, Mathematics, History, Philo-sophy, Arabic, Persian and Urdu.
2. Ranbir College, Sangrur (Jind State).—Up to the Intermediate standard in the sub-jects of English, Mathematics, Philoso-phy, Economics, History, Persian, Sans-krit, Urdu, Hindi and Panjabi.
3. Zamindar Intermediate College, Gujrat.—Up to the Intermediate standard in the subjects of English, Mathematics, His-tory, Philosophy, Economics, Geography, Persian, Arabic, Sanskrit, Physics and Chemistry.

G. N. Khalsa College, Gujranwala, has been raised up to B.A. standard in the subjects of Eng-lish, Mathematics A and B, History, Economics,

Philosophy, Political Science, Persian, Arabic, Sanskrit, Urdu, Hindi and Panjabi.

The Punjab College of Engineering and Technology, Lahore, has been affiliated for the Degree of Bachelor of Science in Engineering (Civil).

The extension of affiliation of the following Colleges in the subject or subjects noted against each has been sanctioned by the Punjab Government (Education Department):

1. V. B. College, D. I. Khan.—To include Philosophy and Political Science for the B.A. Examination.
2. Stratford College for Women, Amritsar.—To include Urdu, Hindi and Panjabi for the B.A. Examination.
3. Government College, Lyallpur.—To include Political Science for the B.A. Classes.
4. Intermediate College at Gujrat started by the Anjuman Zamindar Educational Association, Gujrat.—To include Urdu, Panjabi and Hindi for the Intermediate Examination.
5. Shri Atmanand Jain College, Ambala City.—To include Panjabi for the Intermediate Examination.
6. Kinnaird College for Women, Lahore.—To include Geography up to the Degree standard.
7. Lahore College for Women, Lahore.—To include Political Science and Geography up to the B.A. standard.
8. Sikh National College, Lahore.—To include Geography up to the B.A. standard.

Permission to Start Classes for Honours Papers

The following Colleges were permitted to enrol Honours Classes in the subjects noted against

their names below for the examinations to be held in 1940:

1. D.A.-V. College, Lahore.—English, Economics, Sanskrit, Philosophy, History and Mathematics.
2. Dyal Singh College, Lahore.—English (with S. D. College), Persian (with S. D. College and Oriental College), History (with S. D. College), Mathematics (with S. D. College and University) and Economics (with S. D. College).
3. Government College, Lahore.—English, Economics, Philosophy, Psychology, Mathematics, Persian, Arabic, Sanskrit, History and Geography.
4. Islamia College, Lahore.—Arabic (with Oriental College), Persian (with Oriental College), Mathematics, Philosophy, English and History.
5. Kinnaird College for Women, Lahore.—History.
6. S. D. College, Lahore.—English (with D. S. College), Persian (with D. S. College and Oriental College), Economics (with D. S. College), Sanskrit (with Oriental College), History (with D. S. College) and Mathematics (with D. S. College).
7. Sikh National College, Lahore.—English, History, Economics and Mathematics.
8. Hindu Sabha College, Amritsar.—English (with M. A. O. College), Sanskrit, History (with M. A. O. College) and Mathematics (with M. A. O. College).
9. Khalsa College, Amritsar.—English, Mathematics, Economics and History.
10. M. A. O. College, Amritsar.—English (with H. S. College), Mathematics (with H. S. College), History (with H. S. College) and Arabic.
11. Stratford College for Women, Amritsar.—History.

12. D.A.-V. College, Jullundur.—English, Mathematics and Sanskrit.
13. Murray College, Sialkot.—English, Economics, Persian, Philosophy and Mathematics.
14. Mohindra College, Patiala.—English, Economics and Mathematics.
15. Emerson College, Multan.—English, Philosophy and Mathematics.
16. Government College, Lyallpur —English, Mathematics, History, Economics, Persian, Arabic and Sanskrit.
17. V. B. College, D. I. Khan.—English, Economics and Persian.
18. deMontmorency College, Shahpur.—English and Persian.
19. D.A.-V. College, Rawalpindi —English, Mathematics and Philosophy.
20. Gordon College, Rawalpindi.—English, History and Mathematics.
21. Islamia College, Peshawar.—Arabic, Economics, English, Mathematics and Persian.
22. Edwardes College, Peshawar —English.
23. R. S. D. College, Ferozepore —Philosophy, English and Mathematics.
24. Government College, Ludhiana.—English, Mathematics, Persian, Philosophy and History.
25. F. C. College, Lahore —English, Economics, Persian, History, Mathematics, Psychology and Philosophy.
26. S. P. College, Srinagar.—Sanskrit, Arabic, English and Economics.

Inspection of Colleges

The following Colleges were inspected during the period under report by the Committees noted against their names:

1. Khalsa College, Amritsar.—The Vice-Chancellor, L. Mehr Chand and Dr. S. K. Datta.

2. Mohindra College, Patiala.—The Vice-Chancellor and Dr. S. K. Datta.
3. Gordon College, Rawalpindi.—The Vice-Chancellor, S. Jodh Singh and Diwan Anand Kumar.
4. Murray College, Sialkot.—K. B. Sh. Nur Elahi, Principal P. N. Moulik and Principal G. D. Sondhi.
5. P. W. College, Jammu—Lala Sain Das and Principal P. N. Moulik.
6. S. P. College, Srinagar—Principal G. D. Sondhi, Dr. S. D. Muzaffar and S. Jodh Singh.
7. Islamia College, Peshawar.—The Vice-Chancellor, Dr. Kh. Shuja-ud-Din and S. Jodh Singh.
8. Edwardes College, Peshawar.—The Vice-Chancellor, Dr. Kh. Shuja-ud-Din and S. Jodh Singh.
9. D.A.-V. College, Jullundur.—The Vice-Chancellor, Dr. S. D. Muzaffar and Dr. L. C. Jain.
10. Government College, Ludhiana.—The Vice-Chancellor, K.B. Sh. Nur Elahi and Professor L. C. Jain.
11. Government College, Lyallpur.—The Vice-Chancellor, R.B. L. Durga Das and M. Abdul Ghani.
12. Emerson College, Multan.—Principal P. N. Moulik, Dr. Kh. Shuja-ud-Din and Dr. S. K. Datta.
13. Government College, Lahore.—The Vice-Chancellor, S. Jodh Singh and Dr. S. K. Datta.
14. F. C. College, Lahore.—The Vice-Chancellor, Principal G. D. Sondhi and L. Mehr Chand.

15. D.A.-V. College, Lahore.—The Vice-Chancellor, K.B. Sh. Nur Elahi and Professor J. F. Bruce.
16. S. D. College, Lahore.—The Vice-Chancellor, Prof. J. F. Bruce and Principal G. D. Sondhi.
17. Islamia College, Lahore.—The Vice-Chancellor, R.B. Mukand Lal Puri and Dr. H. B. Dunicliff.
18. Dyal Singh College, Lahore.—The Vice-Chancellor, Principal G. C. Chatterji and Dr. H. B. Dunicliff.
19. Lady Maclagan Training College for Women, Lahore.—Miss McNair, Mrs. S. K. Datta and Miss Chattopadhyaya.
20. demontmorency College, Shahpur.—Principal Mohammad Shafi, Revd. Dr. E. D. Lucas and L. Mehr Chand.
21. Oriental College, Lahore.—The Vice-Chancellor, R.B. Mukand Lal Puri and Dr. Kh. Shuja-ud-Din.
22. Law College, Lahore.—The Vice-Chancellor, The Hon'ble the Chief Justice and The Hon'ble Mr. Justice Tek Chand.
23. Government Intermediate College, Campbellpur.—Mr. R. L. Holdsworth and Dr. S. D. Muzaffar.
24. Government Intermediate College for Women, Lyallpur.—Miss McNair and Miss Chattopadhyaya.
25. Shri Atma Nand Jain College, Ambala.—The Vice-Chancellor and Principal Mohammad Shafi.

A Committee of Enquiry, consisting of Principal G. D. Sondhi, Principal Jodh Singh and Dr. S.

D. Muzaffar, inspected the Government Intermediate College at Abbottabad to report on the application for affiliation of this College to the University.

The following programme of inspection of institutions associated with the Oriental College was approved:

Name of the Institution	To be Inspected by—
1. S. D. Sanskrit Pathshala, Multan ..	M. M. Pandit Madhava Bhandari.
2. Jamia Ahmadiya, Qadian ..	Dr. Mohammad Iqbal, M.A., Ph.D.
3. Madrasa Faziliya, Batala ..	Dr. Mohammad Iqbal, M.A., Ph.D.
4. Brahman Sabha Pathshala, Simla ..	The District Inspector of Schools, Simla.
5. Rishikula, Lyallpur	Principal, Government College, Lyallpur.
6. Madrasa Nusrat-ul-Islam, Srinagar ..	K G. Saiyidain, Esq.

University Extension Lectures

The following University Extension Lectures were delivered during the period under report:

Centre	Name of Lecturer	Subject
Lahore ..	Dr. C. L. Fabri, Ph.D., D. Litt., Field Director, Panjab Exploration Fund, Lahore.	Six lectures on "Buddhism & Buddhist Art."
Lahore ..	Dr. M. Abdulla Chaghtai, D.Litt. (Paris), Lahore.	Four lectures on "Taj Mahal of Agra."

Honours

During the period under report, the following persons connected with the University were honoured by the Government by the conferment of the titles noted against their names:

- Sir Malcolm Darling, C.I.E., M.A., I.C.S. (Retd.).—K.C.I.E.
 Dr. H. B. Dunncliff, M.A., SC.D, F.I.C., I.E.S.—C.I.E.
 H. R. Stewart, Esqr., F.R.C.Sc I, D.I.C., N.D.A., I.A.S.—C.I.E.
 Rai Sahib Sohan Lal, B.A., B.Ā.,—Rai Bahadur.
 S. P. Singha, Esqr., M.A., LL.B., M.L.A.—Dewan Bahadur.
 Dr. Jiwan R. Maleri, M.D, F.R.C.P., M.R.C.P., M.R.C.S., D.T.M. & H., L.R.C.P.—Rai Sahib.

Deaths

During the period under report, the University sustained heavy loss in the deaths of the following:

1. Pandit Hem Raj, M.A., who was a Fellow of the University, a member of the Academic Council, a member of the Board of Studies in Mathematics, Principal of an affiliated College and a distinguished Mathematician.
2. Mahatma Hans Raj, B.A., who was a Fellow of the University for 20 years and an Honorary Fellow for 18 years, was a member of the Syndicate for 18 years, was a member of the Oriental College Committee and of the Boards of Studies in Sanskrit and Hindi and History, Geography and Political Economy, was a member of the School Board and of many important University Committees and a foremost educationist of the Punjab.

3. Lieut.-Colonel D. W. Sutherland, C.I.E., I.M.S., who was at one time a Fellow of the University for some years, a member of the Syndicate, Dean of the Medical Faculty and Principal of the K. E. Medical College, Lahore.
4. Khan Sahib Qazi Fazl-i-Haq, M.A., who was a Fellow of the University for some years and was a member of the Oriental Faculty and of the Boards of Studies in Panjabi and in Arabic, Persian, etc.

Election of a Fellow

Lala Jagan Nath Aggarwal, M.A., LL.B., Advocate, High Court, Punjab, Lahore, was re-elected by the Registered Graduates, to be an Ordinary Fellow of this University, with effect from 28th April, 1939.

Appointments, etc.

In view of the fact that all the appointments, confirmations and promotions are gazetted from time to time in the "University Gazette," a very brief reference, as in the previous years, is made in this Report to some of the more important of them.

Khan Bahadur Mian M. Afzal Husain, M.Sc. (Pb.), M.A. (Cantab.), I.A.S., Principal of the Punjab Agricultural College, and Research Institute, Lyallpur, was appointed as Vice-Chancellor of this University, with effect from the 11th October, 1938.

The resignation of Dr. S. S. Bhatnagar, O.B.E., D.Sc., F. Inst. P., from the post of the Dean of University Instruction was accepted and the present Vice-Chancellor was nominated as Dean of University Instruction for the period he holds the office of the Vice-Chancellor.

M. Mohammad Shafi, M.A., was reappointed as Principal of the Oriental College, Lahore, and University Professor of Arabic, for three more years,

on his present emoluments, with effect from the 1st October, 1939.

Mr. J. W. Thomas, B.Com., B.Sc., was re-appointed as Principal of the Hailey College of Commerce, Lahore, for two years more, with effect from 1st October, 1940.

The following arrangements were sanctioned during the absence of Dr. H. B. Dunncliff, C.I.E., M.A., Sc.D., I.E.S., University Professor of Inorganic Chemistry, on leave *ex* India :

1. Dr. N. A. Yajnik, Reader in General Chemistry, was appointed to take over the charge of general supervision of the work which the Professor of Inorganic Chemistry was doing and paid an honorarium of Rs. 300 for the period of Dr. Dunncliff's leave.
2. Research work was supervised in the Government College by Bhai Mahan Singh, P.E.S., of the Government College.
3. Lecture work in General and Inorganic Chemistry was distributed amongst Messrs. P. L. Kapur and A. N. Kapur, Demonstrators. As Mr. P. L. Kapur was already getting an allowance, only Mr. A. N. Kapur was paid an allowance of Rs. 50 p.m.

It was decided that officiating arrangements in the University Department of Zoology during the absence of Dr. G. Matthai, M.A., Sc.D., I.E.S., University Professor of Zoology, on leave *ex* India, be similar to those existing in the University Department of Botany, *i.e.*, Diwan Anand Kumar, M.A., University Reader in Zoology, to be Head of the Department of University Teaching in Zoology and Chairman of the Board of Control, and Dr. Vishwa Nath, Ph.D., Officiating Professor of Zoology at the Government College, Lahore, to be Director of the Zoological Laboratory.

Mr. Abdul Qayum Malik, B.A. Barrister-at-Law, was re-appointed as a whole-time Law Reader in the University Law College for a period of five years with effect from 1st June, 1939, on his present salary.

Mr. H. M. Shairani was appointed as Lecturer in Urdu at the Oriental College, Lahore, for a period of two years with effect from 15th October, 1938, on a salary of Rs. 350 p.m.—the maximum of the revised grade.

Dr. P. K. Shastri, M.A. (Oxon.), D. Litt. (Paris), Barrister-at-Law, was appointed as a part-time Lecturer in French on a fixed salary of Rs. 200 p.m. for two years in the first instance with effect from 1st October, 1939.

Dr. Panna Lal Kapur, M.Sc. (Pb.), Ph.D. (Cantab.), was appointed as University Lecturer in Theoretical Physics for the Honours School in Physics, on Rs 200 p.m., in the grade of Rs. 200—10—350, from the date of his joining, on one year's probation.

Major G. S. Chawla, M.B.B.S. and Ch. Rahim Bakhsh, M.A., LL.B., Professor, Law College, were reappointed as Hostels Visitors for a further period of two years with effect from 1st April, 1939, on an honorarium of Rs. 450 per annum each.

Messrs. Walker, Chandiook & Co., Chartered Accountants, were appointed as University Auditors for a period of two years, with effect from 1st April, 1939, on a remuneration of Rs. 500 half-yearly.

Degrees Conferred

A Commission nominated by the Syndicate conferred the Degree of Doctor of Laws *honoris causa* on Major-General, His Highness Raj Rajeshwar Maharaj-Adhiraj Shree Maharaja Hari Singhji Bahadur, Inder Mahinder, Sipar-i-Saltanat-i-Inglishia, G.C.S.I., G.C.I.E., K.C.V.O., Honorary A.-D.-C. to His Majesty the King, Maharaja of Jammu and Kashmir, at Jammu, on December 2, 1938.

On the recommendation of the Syndicate, and on the reports of the examiners on the theses submitted, the Senate of this University decided to award the degree of Doctor of Philosophy on the following persons in the Faculties noted against their names:

Mr K. N. Gaiind, M.Sc.—Faculty of Science.

Mr. P. L. Kapur, M.Sc.—Faculty of Science.

Mr. Indar Sam Uppal, M.Sc.—Faculty of Science.

Mr. J. N. Chawla, M.A.—Faculty of Arts

Mr Abdul Ghani Asghar.—Faculty of Science.

Mr. F. M. Shuja —Faculty of Arts.

Mr M. L. Bhatia —Faculty of Science.

Mr. D. C. Ghose —Faculty of Arts.

Mr Indar Nath Madan.—Faculty of Arts.

Pir Mohammad Hassan.—Faculty of Oriental Learning

Mr Gurdas Ram —Faculty of Science.

Mr. Anand Sarup, M.Sc.—Faculty of Science.

Mr Mela Ram, M.Sc.—Faculty of Science.

Mr. P. N. Kalia, M.Sc.—Faculty of Science.

Mr Jai Krishan Malhotra, M.A.—Faculty of Science.

Delegates to Conferences, Etc.

Khan Bahadur Mian M. Afzal Husain, M.Sc. (Pb.), M.A. (Cantab), I.A.S., Vice-Chancellor of this University, Dr. S. S. Bhatnagar, O.B.E., D.Sc., F. Inst. P., Director of the University Chemical Laboratories, and Sardar Jodh Singh, M.A., Principal, Khalsa College, Amritsar, were nominated as delegates of this University to the Fourth Quinquennial Conference of the Universities held in Bombay from 1st March, 1939.

Professor J. F. Bruce, M.A., University Professor of History, was nominated as a delegate of this University to attend the last session of the Indian Historical Records Commission held at Poona on the 16th, 17th and 18th December, 1938.

The following gentlemen were nominated as delegates of this University to attend the 22nd Session of the Indian Economic Association, held at Nagpur on the 29th, 30th and 31st December, 1938:

Revd. Dr. E. D. Lucas, M.A., D.D., Ph.D.,
Vice-Principal, Forman Christian College,
Lahore.

Dr. L. C. Jain, M.A., LL.B., Ph.D., D.Sc.,
University Professor of Economics,
Lahore.

J. W. Thomas, Esqr., B.Com., B.Sc., Principal,
Hailey College of Commerce,
Lahore.

Dr. H. Chaudhuri, D.Sc., Head of the Department of University Teaching in Botany, was renominated to represent this University on the Editorial Board of the Indian Botanical Society for the year 1939.

Lala Labhu Ram, Librarian, Panjab University Library, was nominated as a representative of this University on the proposed Committee for examining the curriculum, etc., of the Library Training Classes throughout India.

The All India Political Science Conference and All India Economic Conference have been invited to hold a joint Session in Lahore in December, 1939. A grant of Rs. 1,000 has been sanctioned for both the Conferences.

Meetings

Four meetings of the Senate, 17 of the Syndicate, four of the Academic Council, seven of the Science Faculty, six of the Arts Faculty, three of the Law Faculty, six of the Oriental Faculty, three of the Medical Faculty, four of the Agricultural Faculty, two of the Commerce Faculty, three of

the Engineering Faculty and four of the Faculty of Dentistry were held during the period under review.

Grants to Colleges

Owing to financial stringency, the Punjab Government (Education Department) not restoring the discontinued grant of Rs. 30,000, it is regretted that, as during the last few years, no grant was given to any College for improvement of College Libraries and Science Equipment during the year under report.

No grant was sanctioned by the University for the year 1939-40 towards the salary of Physical Instructors in the Colleges.

A Library grant of Rs. 47 was sanctioned to each of the following seventeen institutions associated with the Oriental College, Lahore, from the Budget provision of 1938-39:

1. The Madrasa of the Anjuman-i-Islamia, Lahore.
2. R. B. Gagar Mal's Sanskrit Pathshala, Amritsar.
3. S. D. Sanskrit Pathshala, Multan.
4. Sanskrit Pathshala, Hoshiarpur.
5. Jamia-Ahmadiya, Qadian.
6. Madrasa-i-Fazilliya, Batala.
7. Dar-ul-Ulum-Hanafiya, Kasur.
8. S. D. Pathshala, Jind.
9. Mahavidyala, Sultanpur (Kapurthala State).
10. Khalsa Parcharak Vidyala, Tarn Taran.
11. Madrasa of the Anjuman Nasrat-al-Islam, Srinagar.
12. Dar-ul-Ulum Rashidia, Gujranwala.
13. Brahm Sabha Pathshala, Simla.
14. Rishi Kula, Lyallpur.
15. Shri Shankar Nath Mahavidyala, Hadia-
bad, Phagwara.
16. Sanskrit and Hindi Pathshala, Lahore.
17. The Jamia Islamia, Amritsar.

Recognition of Examinations

During the period under review, the following examinations of other Universities or bodies were recognised as equivalent to the corresponding examinations of this University noted against their names :

Muslim University, Aligarh.—Intermediate Science Examination with Mathematics, Physics and Chemistry as equivalent to the Intermediate Science Examination of this University, for purposes of admission to the Faculty of Engineering of this University under Regulation 2 (a) (ii) at pages 345-346 of the Calendar.

University of Rangoon.—B.A. degree as equivalent to the B.A. degree of this University for purposes of admission to the B.T. Class, under Regulation 2 (a) at page 227 of the Calendar.

Benares Hindu University.—M.Sc. examination as equivalent to the M.Sc. examination of this University, for purposes of Clause (a) of Regulation 2 at page 227 of the Calendar.

Board of High School and Intermediate Education, Rajputana.—Intermediate Examination in Science (Medical Group) as equivalent to the corresponding examination of this University, for purposes of admission to the Medical Colleges affiliated to this University.

Indian Army.—Indian Army Special Certificate examination as equivalent to the Matriculation examination of this University.

Burma.—The High School Final Examination as equivalent to the Matriculation Examination of this University.

Cochin Government.—The S.S.L.C. Examination as equivalent to the Matriculation Examination of this University.

University of Allahabad.—M.A. examination as equivalent to the M.A. examination of this University, for purposes of Regulation 2 (a) (i) at page 218 of the Calendar.

Manchester, Liverpool, Leeds and Birmingham.—Joint Matriculation examination as equivalent to the Matriculation examination of this University.

Mysore.—S.S.L.C. holders who have been declared eligible for admission to the College courses in the University of Mysore can be admitted to a course in this University on the production of a migration certificate from the University of Mysore.

Board of High School and Intermediate Education, U.P.—The Intermediate Science (Medical Group) examination as equivalent to the corresponding examination of this University, for purposes of clause (c) of Regulation 2 (u) at page 277 of the Calendar.

Hong-Kong.—The New Matriculation examination as equivalent to the Matriculation examination of this University.

The Council of the Institution of Engineers (India), Calcutta, have recognised the B.Sc. (Eng.) Degree of this University for the purposes of exemption from Sections A and B of the Associate Membership Examination of that Institution.

Miscellaneous

The following procedure was laid down for considering proposals for new expenditure:

- (a) All proposals for new expenditure should reach the Registrar by the 15th of October of the year preceding at the latest. The proposals will be dealt with in the order they are received.

- (b) These proposals will then be examined by the authorities concerned as early as possible.
- (c) A special meeting of the Syndicate shall be held by November 15 of the year proceeding to consider all these proposals with the recommendations of the competent bodies. The Syndicate in this meeting shall examine the proposals and give administrative sanction to items approved which may be classified under three heads: (a) important and urgent, (b) desirable, subject to funds being available, and (c) not justified at present.
- (d) The Board of Finance will then prepare the draft Budget and, where necessary, make a further reference to the Syndicate before incorporating any particular approved items in the draft Budget.
- (e) The draft Budget will then be considered, preferably in the month of February, in a special meeting of the Syndicate.

Proposals for supplementary grants should reach the Registrar by the 15th of October for the same year. Proposals not included in the Budget will ordinarily not be considered unless the expenditure is of an unforeseen or urgent nature.

No proposal for further expenditure during the financial year will be considered after the supplementary grants have been made unless it is of an unforeseen and urgent nature.

These rules shall be strictly adhered to and ordinarily no proposal received after the 15th of October of the preceding year shall at all be considered for the Budget of the next financial year.

It has been laid down that in the M. & S.L.C. examinations an examiner should not be appointed for more than three successive years and that when he has completed one term of three years, he should not be appointed at least for two years. Pashto has been recognised as a Modern Indian Language for the B.A., B.Sc. and B.O.L. Examinations like Urdu, Hindi and Panjabi.

It has been decided that no University employee be appointed as Checking Assistant to a Head Examiner or to do this kind of work unless written permission of the Head of the Department concerned is obtained beforehand.

It has been decided that claim for refund of fees shall be entertained only if it is made within two years from the date of commencement of the examination concerned.

It has been decided that, in future, the State High Schools be inspected once in five years, instead of once in three years as heretofore, unless there is any material complaint against the schools concerned.

The Syndicate decided that the power of condoning of deficiency in lectures up to five be given to the Principal of the college who would report the names and the number of deficiencies condoned to the University Office. This applies only to the examinations for which provision exists in the Regulations for the condoning of deficiency in lectures.

The Syndicate has decided that: (a) subject conferences be held at intervals of not more than three years in the case of Oriental and Arts subjects and four years in the case of Science subjects and there be two subjects conferences in Arts subjects every year, (b) the University to contribute Rs. 300 towards the expenses of each such conference, (c) the University assumes no financial obligation to pay the travelling and halting allowance of teachers in colleges attending such conferences;

and (d) this year subject conferences be held in Sanskrit, Chemistry, English and Economics.

It has been decided that three years' time-limit be fixed for submission of the thesis for the degree of Doctor after the approval of the subject. The period can be extended by the Academic Council on the report of the Head of the Department concerned, or the supervisor concerned, as the case may be, to the effect that the candidate had shown satisfactory progress but that more time for the completion of the work was necessary.

Publishers were informed that books submitted by them containing (a) such matter as tends to create communal hatred and (b) obscene passages would not be considered for being prescribed as text-books by this University.

The following rules were approved by the Syndicate recompilation of University Publications:

- (a) The approved rates should be rigidly enforced, and, if the rates offered are not acceptable to any one editor, the Board concerned should be asked to recommend someone else in his place: no special rates to be allowed.
- (b) The payments should be made per book, the approximate number of pages for which should be fixed by the Board concerned beforehand.
- (c) If there are more than one editor, the payment made for the book be divided equally amongst themselves.
- (d) No separate payment should be made for proof-reading to the editor for the first edition. For subsequent editions the present rate of payment for proof-reading, *i.e.*, annas four per page, should continue; the size of the page to be as at present,

The following rates of payment were laid down for preparing University Publications including notes and first-proof-reading.

- (i) For an English text-book for the Matriculation Examination, Rs. 1,000 for a book of about 150 pages of text, the type should be as in Parkinson's Selection of English Verse.
- (ii) For a book in a Modern Indian Language for the Matriculation examination, Rs. 600 for a book of about 400 pages of text.
- (iii) For a book in a Classical Language for the Matriculation examination, Rs. 1,000 for a book of about 300 pages of text.
- (iv) For an English text-book for the B.A. examination, Rs. 8 per page of text.
- (v) For an English text-book for the Intermediate examination, Rs. 1,500 for a book of about 250 pages of text.
- (vi) For a book in a Modern Indian Language for the Intermediate or B.A. examination, Rs. 800 for a book of about 400 pages of text.
- (vii) For a book in a Classical Language for the Intermediate or B.A. examination, Rs. 1,250 for a book of about 400 pages of text.
- (viii) For books for the Modern Indian Languages examinations, Re. 1-8-0 per page of text.
- (ix) For books for the Oriental Languages examinations, Rs. 2 per page of text.
- (x) For revising a book, 20 per cent. of the original rates.

FINANCE

During 1938-39, the following grants were received from Punjab Government:

	Rs.	a.	p.
(a) Recurring Grant for Teaching	35,000	0	0
(b) Grant for General Purposes	42,550	0	0
(c) Grant for Travelling Allowance to Fellows and Inspectors of Colleges	6,000	0	0
(d) Grant for Oriental College	31,500	0	0
(e) For the School of Chemistry	65,000	0	0
(f) For the Foreign Information Bureau	2,450	0	0
(g) For the Honours School in Technical Chemistry	20,000	0	0
(h) For Hailey College of Commerce	42,000	0	0
(i) For Vernacular Chairs in the Oriental College	7,200	0	0
(j) For Vice-Chancellor's Personal Allowance	2,892	0	0
(k) For School of Zoology	15,000	0	0
(l) For Physical Training	9,000	0	0
(m) For Library Periodicals	300	0	0
(n) For Salary and House Allowance of the Vice-Chancellor	10,524	0	0
(o) For Etymological Dictionary of the Vedic Language	2,000	0	0
Total	<u>2,91,416</u>	<u>0</u>	<u>0</u>

For the year 1939-40, the following grants have been sanctioned by the Punjab Government:

	Rs.	a.	p.
For University Teaching	34,650	0	0
For Travelling Allowance to Fellows and Inspectors of Colleges	5,940	0	0
For General Purposes	42,120	0	0
For School of Chemistry	64,350	0	0
For the Oriental College and for the Improvement of the Oriental College Staff	31,190	0	0
For Foreign Information Bureau	2,430	0	0
For Honours School in Technical Chemistry	19,800	0	0
For Hailey College of Commerce	41,580	0	0
For Vernacular Chairs in the Oriental College	7,130	0	0
For Vice-Chancellor's Personal Allowance	2,892	0	0
For School of Zoology	14,850	0	0
For Physical Training	8,900	0	0
For Library Periodicals	300	0	0
For Salary and House Allowance of the Vice-Chancellor	27,000	0	0
For Extension of University Chemical Laboratories	10,000	0	0
For Etymological Dictionary of the Vedic Language	1,980	0	0
Total	<u>3,12,220</u>	<u>0</u>	<u>0</u>

All the grants have been realized. Short-term deposits were not allowed by the Bank.

The Financial Statement for the year 1938-39 is attached as Appendix III.

ISHWAR DAS,
Registrar,

APPENDIX I.

Examinations

TABLE "A"

Statement showing the examinations held during the last two years in the various Faculties with the number of candidates who appeared and passed:

Examination.	1937-38		Pass percent- age.	1938-39		Pass percent- age.
	No. of candidates.			No. of candidates.		
	Appeared	Passed		Appeared	Passed	
<i>Oriental Faculty—</i>						
F.O.L. ..	2	1	50	2	1	50
B.O.L. ..	2	2	100	<i>No candidate.</i>		
<i>Oriental Languages—</i>						
<i>SANSKRIT—</i>						
Prajna ..	487	312	64.07	496	313	63.1
Visharad ..	289	144	49.8	288	145	50.3
Shastri ..	257	88	34.2	248	122	49.2
<i>ARABIC—</i>						
Maulvi ..	49	35	71.4	64	51	79.7
Maulvi Alim ..	15	13	86.7	28	15	53.6
Maulvi Fazil ..	83	54	65.06	79	48	60.8
<i>PERSIAN—</i>						
Munshi ..	219	137	62.6	297	241	81.1
Munshi Alim ..	21	13	61.9	27	23	85.2
Munshi Fazil ..	513	291	56.7	574	318	55.4
<i>HINDI—</i>						
Proficiency ..	1,351	780	57.7	1,432	813	56.8
High Proficiency	878	547	62.3	1,086	790	72.7
Honours ..	542	247	45.6	623	263	42.2
<i>PANJABI—</i>						
Proficiency ..	111	71	63.9	103	72	69.9
High Proficiency	18	13	72.2	24	16	66.7
Honours ..	462	247	53.5	580	372	64.1

Note.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

Examination.	1937-38		Pass percent- age.	1938-39		Pass percent- age.
	No. of candidates			No. of candidates		
	Appeared	Passed		Appeared	Passed	
URDU—						
Proficiency ..	90	49	54.4	98	55	56.1
High Proficiency ..	285	147	51.6	357	187	52.4
Honours ..	153	45	29.4	165	60	36.4
Proficiency in Panjabi (Persian Script) ..	10	9	90	5	3	60
High Proficiency in Panjabi (Persian Script) ..	20	10	50	25	11	44
Honours in Panjabi (Persian Script) ..	43	22	51.2	52	29	55.8
PASHTO—						
Proficiency ..	2	2	100	3	2	66.7
High Proficiency ..	3	1	33.3	4	2	50
Honours ..	12	10	83.3	22	22	100
Arts Faculty—						
Matriculation ..	22,694	18,371	80.9	24,488	18,425	75.5
Intermediate ..	4,818	2,789	57.9	5,537	3,254	58.8
B.A. ..	3,563	2,170	60.9	3,658	2,120	57.9
Honours in B. A. (Old Type) ..	302	128	42.4	235	177	75.3
Honours School in History (Part I) ..	..	..	..	5	5	100
M.A. ..	384	247	64.3	415	291	70.1
M.A. (Honours School in History)	4	3	75	..	..	..
Doctor of Science ..	..	..	..	..	..	..
Doctor of Philosophy ..	9	9	100	3	2	66.6
B.T. ..	169	156	92.3	202	173	85.6
Science Faculty—						
Intermediate (Non- Medical Group)	821	494	60.2	992	562	56.7
Intermediate (Medi- cal Group) ..	590	392	66.1	727	421	57.9
B.Sc. ..	292	195	66.8	242	164	67.8
Honours School (Preliminary and Subsidiary) ..	99	79	79.8	94	78	82.9
B.Sc.(Honours School) ..	65	64	98.5	56	51	91.07
M.Sc. (Old Type) ..	2	2	100	No candidate		

Note.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

Examination.	1937-38		Pass percentage	1938-39		Pass percentage
	No. of candidates			No. of candidates		
	Appeared	Passed		Appeared	Passed	
M.Sc. (HONOURS SCHOOL)—						
Chemistry ..	12	12	100	19	19	100
Technical Chemistry	13	13	100	13	13	100
Botany ..	3	3	100	9	9	100
Zoology ..	3	1	33·3	{ 1*	1	100
Physics ..	11	11	100	{ 3†	2	66·6
Doctor of Philosophy ..	2‡	2‡	100	10	9	90
Law Faculty—						
F.E.L. (Old) ..	215	44	20·4	6	2	33·3
F.E.L. (New) ..	154	119	77·3	191	139	72·7
LL.B. (Old) ..	282	131	46·5	176	127	72·2
LL.B. (New) ..	..	..	..	121	82	67·8
Special Test in Law (April) ..	2	1	50	2	2	100
Diploma in Conveyancing and Deed Writing ..	12	12	100	No candidate		
LL.M. ..	5	1	20	7	2	28·6
Medical Faculty—						
First Professional M.B. B.S. Examination (October, 1938) ..	66	38	57·6	56	28	50
Do. (May, 1939)	128	72	56·6	136	77	56·6
Second Professional M.B. B.S. Examination (October, 1938) ..	62	32	51·6	59	33	55·9
Do. (May, 1939)	128	65	50·8	129	77	59·7
Third Professional M.B. B.S. Examination (October, 1938) ..	21	20	95·2	24	23	95·8
Third Professional M.B. B.S. Examination (May, 1939) ..	97	80	82·5	88	79	89·8

Note.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

* Candidate of 1937. Result declared on 21st April, 1939.

† Result of one candidate to be declared later.

‡ Result declared on 9th March, 1939. (Convocation file of 1939, page 5.)

Examination	1937-38		Pass percent- age	1938-39		Pass percent- age
	No. of candidates			No. of candidates		
	Appeared	Passed		Appeared	Passed	
Final Professional M.B. B.S. Ex- amination (Octo- ber, 1938) ..	116	41	35.3	119	42	35.3
Do. (May, 1939)	94	40	42.6	88	43	48.9
B.D.S.—						
First Professional	14	10	71.4	13	7	53.8
Second Professional	6	6	100	11	9	81.8
Third Professional	..	..	..	6	5	83.3
Final Professional			No candidate			
M.S. ..	2	1	50	No candidate		
Faculty of Commerce—						
B. Com. (English Preliminary) ..	46	37	80.4	45	38	84.4
B. Com. ..	44	32	72.7	48	33	68.7
Diploma in Com- merce ..	9	5	55.6	1	1	100
Faculty of Agricul- ture—						
First Examination in Agriculture (1st Year) ..	119	71	59.7	164	119	72.6
Do. (2nd Year)	155	111	71.6	159	110	69.2
B.Sc. (Agriculture), Part I ..	82	62	75.6	131	88	67.2
Do. Part II ..	48	31	64.6	86	60	69.8
M.Sc. (Agriculture)	1	1	100	1	1	100
Engineering Faculty—						
1st Examination in Engineering ..	17	15	88.2	29	26	89.7
2nd do. ..	21	14	66.7	19	15	78.9
Final do. (Electrical)	5	3	60	13	8	61.5
Do. do. (Mechanical)	4	3	75	5	4	80
Other Examinations—						
S.L.C. ..	35	22	62.9	24	19	79.2
Total ..	41,763	..	..	45,353	..	..

Note.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

TABLE "B"

Statement showing the number of candidates (appeared and passed) at the Supplementary Examinations held during the Sessions 1937-38 and 1938-39:

<i>Examination</i>	1937-38		1938-39	
	<i>Appeared</i>	<i>Passed</i>	<i>Appeared</i>	<i>Passed</i>
<i>Arts Faculty—</i>				
Intermediate	182	144	178	150
B.A.	163	109	166	110
B.T. .. ..	..	..	6	6
<i>Science Faculty—</i>				
Intermediate (Non-Medical Group) ..	56	48	70	53
Intermediate (Medical Group) ..	44	40	32	28
B. Sc.	13	10	13	11
Honours School (Preliminary and Subsidiary)	13	12	20	18
<i>Faculty of Agriculture—</i>				
F. Sc. (Agriculture) 1st Year .. ..	..	..	70	46
F. Sc. (Agriculture) 2nd Year	2	2	30	19
B. Sc. (Agriculture) Part I	11	10	14	11
B. Sc. (Agriculture) Part II	12	12	9	6
M. Sc. (Agriculture) .. ..	..	..	1	1
<i>Faculty of Medicine—</i>				
B.D.S. (Final)	4	4	..	..
" (First) .. ..	..	..	4	1
M. Sc. .. ..	..	..	2	1
<i>Faculty of Commerce—</i>				
English Preliminary for B. Com. ..	9	5	10	7
Bachelor of Commerce	2	2	4	4
<i>Engineering Faculty—</i>				
1st Examination in Engineering ..	..	..	..	..
2nd Examination in Engineering ..	..	..	..	..
Final Examination in (Electrical) Engineering	1	1	..	..
Final Examination in (Mechanical) Engineering .. ..	..	..	..	..

<i>Examination</i>	1937-38.		1938-39.	
	<i>Appeared</i>	<i>Passed</i>	<i>Appeared</i>	<i>Passed</i>
<i>Faculty of Law—</i>				
F.E.L. (Old)	29	23	6	6
F.E.L. (New) .. ..	..	..	10	
LL.B. (Old)	61	57	18	10
Special Test in Law .. ..	..	..	7	6
<i>Oriental Faculty—</i>				
Prajna	25	25	6	6
Visharad	1	1	3	3
Maulvi	2	2	2	2
Maulvi Alim .. ..	..	..	..	..
Munshi	2	1	5	5
Munshi Alim .. ..	..	..	..	..
Proficiency in Urdu	9	8	5	3
High Proficiency in Urdu	21	19	35	25
Proficiency in Hindi	91	76	88	82
High Proficiency in Hindi	62	60	117	113
Proficiency in Panjabi (Persian Script) .. ..	..	..	1	1
High Proficiency in Panjabi (Persian Script)	1	1	1	1
Proficiency in Panjabi (Budhiman)	3	3	8	8
High Proficiency in Panjabi (Vidwan) .. ..	..	..	..	..
Total	819	..	941	..

TABLE "C"

Statement showing the number of female candidates (appeared and passed) in the various Examinations held during the last two years:

<i>Examination</i>	1938		1939	
	<i>Appeared</i>	<i>Passed</i>	<i>Appeared</i>	<i>Passed</i>
Matriculation	1,258	859	2,325	1,659
Intermediate (Arts)	565	380	688	431
Intermediate (Science)	69	48	79	42
B.A.	246	163	336	197
B.A. (Old Honours)	5	3	12	12
B.Sc.	3	3	5	3
Honours School (Preliminary)	5	5	..	..
Honours School (Subsidiary)	4	3	6	6
Honours School (Final)	1	1	2	2
B.T.	70	62	88	75
M.A.	12	10	25	13
M.Sc.	1	1	..	..
F.E.L. (Old) .. ..	..	..	..	..
F.E.L. (New) .. ..	..	..	..	..
LL.B. (Old) .. ..	..	..	..	..
LL.B. (New) .. ..	..	..	..	..
First Professional Examination for M.B. B.S. (October and April)	40	22	63	35
Second Professional Examination for M.B. B.S. (October and April)	34	17	48	31
Third Professional Examination for M.B. B.S. (October and April)	16	16	19	18
Final Professional Examination for M.B. B.S. (October and April)	20	12	39	18
Proficiency in Urdu	25	14	24	15
High Proficiency in Urdu	53	23	51	24
Honours in Urdu	14	3	22	9

<i>Examination</i>	1938		1939	
	<i>Appeared</i>	<i>Passed</i>	<i>Appeared</i>	<i>Passed</i>
Proficiency in Hindi	1,133	666	1,206	689
High Proficiency in Hindi	720	443	855	624
Honours in Hindi	328	154	382	153
Budhiman	87	57	88	56
Vidwan	12	9	13	8
Gyani	157	73	204	119
Proficiency in Panjabi (Persian Script)	..	..	1	.1
High Proficiency in Panjabi (Persian Script)	1	..	<i>Nil</i>	<i>Nil</i>
Honours in Panjabi (Persian Script)	1	1	1	1
Prajna	16	12	43	22
Visharad	13	7	11	3
Shastri	9	3	8	5
Munshi	14	6	10	8
Munshi Alim	1	..	3	3
Munshi Fazil	18	8	16	4
Maulvi	8	6	14	11
Maulvi Alim .. ..	..	..	<i>Nil</i>	<i>Nil</i>
Maulvi Fazil .. ..	..	..	2	..
Total ..	4,959	..	6,689	..

UNIVERSITY OF THE PANJAB.

The following candidates stood First in their respective Examinations held in 1939:

<i>Name of Examination</i>	<i>Name of candidate</i>	<i>Institution</i>
Prajna ..	Chandar Bhann ..	S. D. Pathshala, Wachhohal (Lahore).
Visharad ..	Sita Ram Sharma ..	Rawalpindi District, Private Student.
Shastri ..	Balji Nath Pandit ..	Jammu State, Private Student.
Maulvi ..	Nawab-ud-Din ..	Patiala State, Private Student.
Maulvi Alim ..	M. Mohd. Amin Shah ..	Kashmir State, Private Student.
Maulvi Fazil ..	Mohd. Yusaf ..	Jamia Ahmadia, Qadian (Gurdaspur).
Munshi ..	Abdul Jabar Khan ..	Lahore District, Private Student.
Munshi Alim ..	Karam Shah ..	Shahpur District, Private Student.
Munshi Fazil ..	Mumtaz Hussain Bismal	Sialkot District, Private Student.
Proficiency in Panjabi ..	Bibi Dropti Devi ..	Sheikhupura District, Private Student.
High Proficiency in Panjabi.	Rajduindar ..	Rawalpindi District, Private Student.
Honours in Panjabi ..	Harbans Singh ..	Amritsar District, Private Student.
Proficiency in Urdu ..	Karim Ullah Siddiqi ..	Dar ul-Uloom Rashidia, Gujranwala.
High Proficiency in Urdu	Sundar Lal Chawla ..	Lahore District, Private Student.
Honours in Urdu ..	Ch. Abdul Aziz ..	Ditto.
Proficiency in Pashto ..	Mufti Abdul Haq ..	Peshawar District, Private Student.
High Proficiency in Pashto	F. M. Shuja ..	Bahawalpur State, Private Student.
Honours in Pashto ..	Qammar Ro Khan ..	Peshawar District, Private Student.
Proficiency in Panjabi (Persian Script).	Abdul Munaf Durrani ..	Lyallpur District, Private Student.
High Proficiency in Panjabi (Persian Script).	Mohd. Abdulla ..	Montgomery District, Private Student.
Honours in Panjabi (Persian Script).	(Qazi) Faiz Mohy-ud-Din Hashmi.	Gujrat District, Private Student.

<i>Name of Examination</i>	<i>Name of candidate</i>	<i>Institution</i>
Proficiency in Hindi ..	Vishnu Mitter ..	Lahore District, Private Student.
High Proficiency in Hindi	Lila Sethi ..	Hoshiarpur District, Private Student.
Honours in Hindi ..	Murli Dhar Sharma ..	Jullundur District, Private Student.
Matriculation ..	Mangat Ram ..	S. D. High School, Lalamura.
Intermediate ..	Balbir Vohra ..	Government College, Lahore.
B.Sc. ..	Sita Ram ..	D. A. V. College, Jullundur City.
B.A. ..	Ram Sarup Chadha ..	Ditto.
M.A. ..	Som Datt Chopra ..	Dyal Singh College, Lahore.
B.T. ..	Amrita Man Mohan ..	Sir Ganga Ram Training College, Lahore. (Unrecognised.)
M.Sc. (Old Type) ..	No candidate appeared.	
F.E.L. (Old) ..	Rattan Lal Sablok ..	Law College, Lahore.
F.E.L. (New) ..	Om Parkash Aggarwal	Ditto.
LL.B. (Old) ..	Abdul Aziz Uppal ..	Ditto.
LL.B. (New) ..	Nazar Mohd. Haral ..	Ditto.
LL.M. ..	Mohindra Singh Pannun	Amritsar District, Private Student.
Diploma in Conveyancing and Pleadings.	No candidate appeared.	
First Professional M.B. B.S. (October).	Tirath Ram Aggarwal ..	K. E. Medical College, Lahore.
First Professional M.B. B.S. (May).	Man Mohan Kakar ..	Ditto.
Second Professional M.B. B.S. (October).	Bawa Gursaran Singh Bhalla.	Ditto.
Second Professional M.B. B.S. (May).	Prem Chandra ..	Ditto.
Third Professional M.B. B.S. (October).	Dharam Parkash ..	Ditto.
Third Professional M.B. B.S. (April).	Bal Krishan Anand ..	Ditto.

<i>Name of Examination</i>	<i>Name of candidate</i>	<i>Institution</i>
Final Professional M.B. B.S. (October).	Devi Chandra Gupta ..	K. E. Medical College, Lahore.
Final Professional M.B. B.S. (April).	Sohan Singh Manchanda	Ditto.
B.D.S. (Final) ..	No candidate appeared.	
B. Com. ..	G. D. Mehra ..	Hailey College of Com- merce, Lahore.
Diploma in Commerce ..	Chuni Lal Kalhon ..	Lahore District, Private Student.
First Examination in Agri- culture.	Udai Singh Dalal ..	Punjab Agricultural Col- lege, Lyallpur.
B.Sc. Agriculture ..	Inam-ul-Haque Jullund- uri.	Ditto.
First Examination in En- gineering.	Suraj Parkash Datta ..	M. E. College, Moghalpura (Lahore).
Second Examination in Engineering.	Prithvi Raj Chopra ..	Ditto.
Final Examination in Eng- ineering (Electrical).	Jag Mohan Lal Sethi ..	Ditto.
Final Examination in En- gineering (Mechanical).	Hans Kumar ..	Ditto.
S.L.C. ..	Satnam Singh ..	Government High School, Pashin.

APPENDIX II

Critical and Research Work published by
University and College Teachers

ORIENTAL

Arabic

I. Professor Mohammad Shafi, M.A., University Professor of Arabic and Principal, Oriental College, Lahore—

(1) The **Durrat ul-Akhbar** (Panjab University Oriental Fund Publication No. 20). Revised Edition.

(2) Letters of Rashid-ud-Din Fadlullah relating to India. Woolner Commemoration Volume, pp. 236—40.

(3) The **Maṭla' al-Sa'dain of Kamal al Din 'Abd al-Razzaq Samarqandi**, pp. 329—560. The Supplement of "The Oriental College Magazine," November, 1938, to August, 1939.

(4) Preface to the **Zafar Namah-i-Yazdi**, pp. 3—28. Supplement of "The Oriental College Magazine," August, 1939.

II. Dr. Inayat Ullah, M.A., Ph.D., Emerson College, Multan—

Western Travellers in Arabia, pp. 83—91. "The Oriental College Magazine," February, 1939.

III. M. 'Abdul Qayyum, M.A.—

(1) Indices of the **Lisan al-'Arab**, Index I—Names of Poets: Addenda et Corrigenda, pp. 181—188. "The Oriental College Magazine," November, 1938.

Index II—Rhymes, pp. 1—136. "The Oriental College Magazine," November, 1938, to August, 1939.

IV. M. Abdul Quddus, Bahawalpur Research Scholar—

Talkhis Majma' al Adab, Volume V, edited critically from a unique autograph Ms., pp. 1—160. Supplement of "The Oriental College Magazine," May and August, 1939,

Persian**I. Professor Mohammad Iqbal, M.A., Ph.D.,
University Professor of Persian, Oriental
College, Lahore—**

(1) Arabic Histories of pre-Islamic Persia, May, 1939, published in "The Oriental College Magazine."

(2) Majmau 'un-nawadir, August, 1939, published in "The Oriental College Magazine."

(3) "A hitherto unknown versified story of the love of Jehangir and Noor Jahan," November, 1938, published in the Journal of the Arabic and Persian Society.

Sanskrit**I. Dr. Lakshman Sarup, M.A., D.Phil. (Oxon.),
University Professor of Sanskrit, Oriental
College, Lahore—**

(1) "The Problem of Textual Criticism of the Nirukta," published in the volume of "Eastern and Indian Studies" in honour of Professor F. W. Thomas, Bombay, 1939.

(2) "Is Yaska an Infallible Guide?" Published in Woolner Commemoration Volume.

(3) "Tum aur Main," a poem in Hindi, published in "The Oriental College Magazine," February, 1939.

(4) "Nighantubhumika" (Introduction to Nighantu in Hindi). "The Oriental College Magazine," May, 1939.

(5) "Nirukta-Mimansa" (a critical study of the Nirukta), "The Oriental College Magazine," August, 1939.

(6) Completed the Thomas Volume, entitled the "Eastern and Indian Studies," in collaboration with three other scholars.

**II. Mr. Jagan Nath, M.A., Lecturer in Sanskrit,
Oriental College, Lahore—**

(1) "The Bearing of the Haraha Inscription on the Epoch of the Gupta Era." "The Indian Culture," Volume V, No. 3.

(2) "The Early History of the Maitrakas of Valabhi." "The Indian Culture," Volume V, No. 4.

(3) "A Note on Nagana in Mandasor Inscription," "Journal of Indian History," April, 1939.

III. Professor Kailash Nath Bhatnagar, M.A., S.D. College, Lahore—

"Nidanasutra of Patanjali," Published by Messrs. Mehr Chand Lachman Das, Lahore.

IV. L. Hans Raj Aggarwal, M.A., Lecturer, Government College, Lyallpur—

"A Short History of Sanskrit Literature," with a foreword by Dr. Lakshman Sarup, M.A., D.Phil. (Oxon.).

Urdu

I. Professor H. M. Shairani, Oriental College, Lahore—

(1) The **Tarikh-i-Gharibi**—an account of the ancient prophets in old Urdu verse, composed in 1154 A. H. by an anonymous writer of Daira in Khandela, Jaipur State, which throws full light on the form of Urdu prevailing in Rajputana at this period. A discussion of its grammar and philological aspects. "The Oriental College Magazine," pp. 3—51, November, 1938.

(2) The **Tarikh-i-Gharibi**—continued. "The Oriental College Magazine," pp. 3—43, February, 1939.

(3) "Some Newly Discovered **Rikhta** Poems." "The Oriental College Magazine," pp. 3—21, May, 1939.

(4) "The Fire-Arms"—a Critical and Historical Study. "The Oriental College Magazine," pp. 78—96, August, 1939.

II. P. Bansi Lal, Government Intermediate College, Dharmasala—

"Systematisation and Rationalisation of the Urdu Script."

Hindī

I. Dr. Banarsi Dass, M.A., Ph.D., Lecturer in Hindī, Oriental College, Lahore—

(1) "On the Parasiprakasa of Vikramasinha," for the Woolner Commemoration Volume.

(2) "Catalogue of Manuscripts in the Jain Bhandars of the Punjab," Part I, published by the University.

Panjabi

I. Dr. Mohan Singh, M.A., Ph.D., D.Litt., Lecturer in Panjabi, Oriental College, Lahore—

(1) "The Mysticism of Time in Rigveda with a Chapter on What is Soma;" Atma Ram and Sons, Lahore.

(2) Two literary and linguistic articles on Bābā Farīd Shakarganj, "The Oriental College Magazine," Urdu Section, November, 1938, pp. 67—84 and February, 1939, pp. 44—71.

(3) Three articles on "Gurmat Rahasyā-Nām," with illustrative quotations and a comparative study, and a compilation of Nām metaphors and similes in the Adi Granth. "The Oriental College Magazine," Panjabi Section; November, 1938, pp. 1—50 and May, 1938, pp. 1—18.

II. S. Baldev Singh, B.A., Gyani, Head Panjabi Teacher, Oriental College, Lahore—

(1) A translation from Persian into Panjabi of Mirza Ja'far's play "Hakim-i-Nabatat" with a brief biographical sketch of the original author Mirza Fateḥ 'Ali and the translator Mirza Jafar; published in "The Oriental College Magazine," February, 1939 issue, pp. 50.

(2) A translation from Persian into Panjabi of Fateḥ 'Ali's play "Wazir-i-Lankuran," with an introduction in fourteen pages, tracing the origin, function and the development of drama with a brief summary of the play, etc.; pp. 61;

published in "The Oriental College Magazine" for August, 1939.

III. S. Sahib Singh, B.A., Lecturer in Panjabi and Sikh Theology, Khalsa College, Amritsar—

"Gurbani Vyakarna," Grammar of the old Panjabi language published by the author. Nine copies of the book have already been sent to the University Office by the author.

ARTS

Mathematics

University Department of Mathematics—

I. "On the Axial Lines of a Quadric," by C. V. H. Rao, Bull. Calc. Math. Soc., March, 1939, Volume 31, No. 1.

II. Professor Manohar Ray, M.Sc., Lecturer, F. C. College, Lahore—

(1) "Motion of two Infinite Circular Cylinders in Rotating Fluids" in the "Bulletin of the Calcutta Mathematical Society," Volume XXIX, Nos. 3 and 4. Published in 1938.

(2) "On the Development of Turbulent Liquid Motion over an Infinite Plate." Philosophical Magazine," London, Section 7, Volume XXVII (1939).

III. Dr. Hansraj Gupta, M.A., Ph.D., Government Intermediate College, Hoshiarpur—

(1) "Tables of Partitions." Published by the Indian Mathematical Society in financial co-operation with the University of the Panjab. 1939; 81 pages; price Rs. 5.

(2) "Waring's Theorem for Powers of Primes." Jour. Indian Math. Soc., 1938, 3, 136—145.

(3) "Note on Dirichlet's L-Functions." Jour. Indian Math. Soc., 1939, 3, 198-199.

(4) "Congruence Properties of Self-contained Balanced Sets." Proc. Edinburgh Math. Soc., 1939, 6, 1—3.

(5) "Analogues of Baner's Theorems." Proc. Indian Acad. Sci., 1939, 9, 396—398.

(6) "On a Problem of Arrangements."—Proc. Indian Acad. Sci., 1939, 9, 399—403.

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(8) "A Note on Some Diophantine Equations," Maths. Student, 1939, 7, 29-30.

IV. Professor Hukam Chand, M.A., S. D. College, Lahore—

(1) On Some Generalisations of Cauchy's Condensation and Integral Tests.

(2) The Conic in Homogeneous Co-ordinates.

V. L. Faqir Chand Aulack, M.A., Lecturer, D. S. College, Lahore—

(1) The Theory of Pressure Ionization and the Constitution of the White Dwarf Stars—Monthly Notices of R.A.S., January, 1939.

(2) Entropy of Fermi—Dirac Gas. Phil. Mag. Ser. 7, Vol. XXVII, pp. 370, March, 1939.

Astronomy

Professor P. Samuels Lall, M.A., B.Sc., F.R.A.S., F. C. College, Lahore—

The "Southern Stream and the K Term," published in the Monthly Notices of the Royal Astronomical Society, Volume 99, No. 1, p. 42, 1939.

Economics

I. University Economics Department—

(a) **Future of Indigenous Banking in India**, by L. C. Jain, University Professor of Economics, "The Times" of London, Trade and Engineering Supplement, April, 1939.

(b) **Imperial Preference in India—a Study in Commercial Policy**, by B. K. Madan, University Lecturer in Economics, Oxford University Press, London, 1939.

(c) **Debt Legislation in the Punjab**, by V. K. Chopra, University Research Scholar in

Economics, Indian Journal of Economics, April, 1939.

(d) **Relationship between Fertility and Economic Status**, by S. P. Jain, M.A.; edited by Professor L. C. Jain, Punjab Board of Economic Inquiry, Publication No. 64, 1939.

II. Dr. Hardit Singh, M.A., Ph.D. (California), Head of the Economics Department, Khalsa College, Amritsar—

“Taxation System of Maharaja Ranjit Singh,” published in the Centenary Volume, issued by the Khalsa College.

III. D. K. Malhotra, Esq., M.A., Lecturer in Economics, Mohindra College, Patiala—

“History and Problems of Indian Currency, 1835—39.”

I. Professor Teja Singh, M.A., Head of the English Department, and S. Ganda Singh, Research Scholar in Sikh History, Khalsa College, Amritsar—

Chapters in Centenary volume on Maharaja Ranjit Singh, published by the Khalsa College, Amritsar.

II. Professor Sri Ram Sharma, M.A., D.A.-V. College, Lahore—

(1) A Critical Bibliography of Mughal India; Karnatak Publishing House, Bombay. Pages XIV + 206.

(2) The Assessment and Collection of the Land Revenue under Akbar;” 32 pp.; Minerva Book House, Lahore.

(3) “Some Mughal Manuals of Administration,” pp. 16; Superintendent, Government Printing, India, Delhi.

III. Professor H. R. Gupta, M.A., Ph.D., F. C. College, Lahore—

(1) “History of the Sikhs, 1739—1768” (Evolution of the Sikh Confederacies) with a foreward by Sir Jadu Nath Sarkar, C.I.E. (thesis approved for the Ph.D. degree in the

University of the Panjab); printed and published by S. N. Sarkar, 2 Gangaram Palit Lane, Calcutta.

(2) "Ahmad Shah Abdali's Eighth Invasion, 1764-65," published in the "Journal of Indian History," April, 1939.

(3) A paper on "Adina Beg Khan—the last Mughal Viceroy of the Punjab," published in the "Islamic Culture," July, 1939.

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I. Professor Sri Ram Sharma, M.A., D.A.-V. College, Lahore—

(1) Indian Federation, Twentieth Century, Allahabad, April, 1939.

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(3) Parliamentary Government in the Punjab, Indian Journal of Political Science, Vol. I, Part I, Allahabad.

II. Dr. J. N. Khosla, M.A., Ph.D.—

(1) Cost of Administration in the Punjab, Indian Journal of Political Science, Vol. I, No. I.

Philosophy.

Dr. Mahajot Sahai, M.A., Ph.D., Professor of Philosophy, Mohindra College, Patiala—

"Jiva Vritti Vijnana."

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II. "On the Raman Effect in Camphor," by B. M. Anand and S. Narain, "Indian Journal of Physics," Volume XIII, Part III, 1939.

III. Dr. L. D. Mahajan, M.Sc., Ph.D., F.Inst.P. (London), Lecturer in Physics, Mohindra College, Patiala—

Liquid Drops, published in the "Indian Journal of Physics," Calcutta, August 1939, Volume XIII, Part IV, pp. 299—304.

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1. University Chemical Laboratories—

1. "Magnetic Evidence regarding the State of Manganese in Glasses," by S. S. Bhatnagar ("Nature," 143, 599, 1939).

2. "Glacial Acetic Acid in Petroleum Refining," by S. S. Bhatnagar and P. J. Ward (Ind. and Eng. Chem., 31, 195, 1939).

3. "Magnetism and Molecular Constitution of some Manganese Compounds," by S. S. Bhatnagar, Brahm Prakash and Jai Chand Maheshwari (Proc. Indian Acad. Sci., 10, 150, 1939).

4. "Colour and Magnetic Properties of Manganous Sulphide," by S. S. Bhatnagar, Brahm Prakash and Jarnail Singh ("J. Indian Chem. Soc.," 16, 3131, 1939).

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(1) "Note on Oxidation of Ferrous Iron with Potassium Iodate" ("Jour. Ind. Chem. Soc.," 1938, 15, 615).

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I. University Botany Department—

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(2) "Life-history of **Stephensoniella brevipendunculata Kash.**," by P. N. Mehra and H. L. Mehra (Proc. Ind. Acad. of Sci., Vol. IX, No. 5, May 1939).

(3) "Notes on Indian Hepatics—II. Sikkim Himalayas and Bengal," by R. S. Chopra (Proc. Ind. Acad. Sci., Volume VIII, No. 6, 1938).

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Agriculture

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(2) "Family Budgets, 1936-37, of Eleven Cultivators in the Punjab," by S. Labh Singh and Ajaib Singh (Publication No. 62 of the Board of Economic Inquiry, Punjab).

(3) "Sugarcane in the Punjab—II," by P. E. Lander, Agricultural Chemist to Government, Punjab, and Ramji Narain, Assistant to the Agricultural Chemist ("Ind. Jour. Agri. Science," Volume IX, Part III, June, 1939).

(4) "Occurrence of Stem Canker Disease of Sugarcane (**Cytospora Sacchari** Butl.) in the Punjab," by Jai Chand Luthra, Abdus Sattar and Sardul Singh (Proc. Ind. Acad. Sci., Volume VIII, No. 3, September, 1938).

(5) "Life History and Modes of Perpetuation of Smut of Sugarcane (**Ustilago Scitaminea** Syd.)," by Jai Chand Luthra, Abdus Sattar and Sardul Singh ("Ind. Jour. Agric. Sci.," Vol. VIII, Part VI, December, 1938).

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(7) Studies of the Soil Fauna with Special Reference to Recolonisation of Sterilised Soil," by Dr. K. D. Baweja (Jour. Anim. Ecol., Vol. 8, No. 1, May, 1939).

(8) "Observations on the Reaction of the Dermestid Beetle **Trogoderma Khapra** Arr. to Light," by Khan A. Rehman and Gurcharan

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Law

C. L. Anand, Esqr., M.A. (Pan.), LL.B. (Lond.), Barrister-at-Law, Principal, Law College, Lahore—

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Medicine

K. E. Medical College, Lahore—

I. Lt.-Colonel Amir Chand, I.M.S.—

"Treatment of Pneumonia by May & Baker 693," by Amir Chand, Taylor and Chitkara (published in "The Indian Medical Gazette," May, 1939).

II. Major G. F. Taylor, I.M.S.—

(1) "Relation of Vitamin D and Mineral Deficiency to Dental Caries," by Taylor and Marshall-Day (published in "The British Medical Journal," May 6, 1939).

(2) "Treatment of Pneumonia by May & Baker 693," by Amir Chand, Taylor and Chitkara (published in "The Indian Medical Gazette," May, 1939).

(3) "Mantoux Reactions and Results of X-Ray Examinations of Chests of Medical Students," by Major Taylor (vide Proceedings of the 16th Conference, Indian Medical Research Association, 1938).

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III. Major Ilahi Bakhsh, I.M.S.—

(1) "Vitamin C in Pulmonary Tuberculosis," in collaboration by Major Ilahi Bakhsh and Dr. Mahbub Rabbani (published in "The Indian Medical Gazette," May, 1939).

(2) "Preliminary Tuberculosis Survey of Rural Areas in the Punjab," by Major Ilahi Bakhsh (published in "The Indian Medical Gazette," July, 1939).

(3) "Treatment of Nervous Diseases by Vitamin B1 with Special Reference to Trigeminal Neuralgia (A Report of Seven Cases)" (published in "The Indian Medical Gazette," August, 1939).

IV. Dr. C. D. Marshall-Day—

"Relation of Vitamin D and Mineral Deficiencies to Dental Caries," by Major G. F. Taylor and C. D. Marshall-Day (published in "The British Medical Journal," May 6th, 1939).

V. Dr. Khem Singh Grewal, P.C.M.S.—

"Cancer in India," by Dr. Vishwa Nath and Dr. Khem Singh Grewal (published in "The Indian Medical Journal," 3rd January, 1939).

VI. Doctor K. E. Madan—

"Carbonised Ether for Anaesthesia," by Dr. Madan (published in the "British Journal of Anaesthesia," Vol. XV, No. 3, April, 1938).

Dentistry

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APPENDIX III.

Financial.

The Receipts and Disbursements of the Current and Special Endowed Trusts Accounts of the Panjab University for the financial year ending 31st March 1939, were as follows:—

Heads of Income and Expenditure.	Actuals for the current Account for 1938-39.			Special Endowed Trusts Accounts.			Total 1938-39.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Opening Balance ..	4,40,918	10	8	5,864	6	0	4,46,783	0	8
INCOME.									
1. Fees of Examinations	9,89,008	2	0	..	..	..	9,89,008	2	0
2. Registration and special fees ..	65,788	0	0	..	..	..	65,788	0	0
3. Other fees ..	69,007	10	0	..	..	..	69,007	10	0
4. Library ..	1,974	12	9	..	..	..	1,974	12	9
5. Publications ..	90,872	13	1	..	..	..	90,872	13	1
6. Miscellaneous including security deposits ..	23,505	7	8	..	..	..	23,505	7	8
7. Interest ..	17,391	8	0	24,316	11	5	41,708	3	5
8. Contributions ..	2,94,666	0	0	..	..	..	2,94,666	0	0
9. Law College ..	1,04,594	4	0	..	..	..	1,04,594	4	0
10. Oriental College ..	5,193	2	0	..	..	..	5,193	2	0
11. Hailey College of Commerce ..	18,155	5	0	..	..	..	18,155	5	0
12. Special subscriptions and Donations ..	43,891	1	0	..	..	..	43,891	1	0
13. Advances refunded ..	5,564	5	9	..	..	..	5,564	5	9
Total ..	21,70,531	1	11	30,181	1	5	22,00,712	3	4
EXPENDITURE.									
1. General Administration	1,70,230	15	6	..	..	..	1,70,230	15	6
2. Remuneration to Examiners ..	3,09,724	7	3	..	..	..	3,09,724	7	3
3. Printing Question Papers ..	35,966	0	0	..	..	..	35,966	0	0
4. Conducting Examinations ..	2,45,885	7	3	..	..	..	2,45,885	7	3
5. Library ..	52,022	11	5	..	..	..	52,022	11	5
6. Garden and Tournament Ground ..	4,516	12	4	..	..	..	4,516	12	4

Heads of Income and Expenditure.	Actuals for the current Account for 1938-39.			Special Endowed Trusts Accounts.			Total 1938-39.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
7. Publications ..	29,549	8	3	..	..	..	29,549	8	3
8. Miscellaneous expenses including refunds ..	86,024	7	11	24,586	10	7	1,10,611	2	6
9. Law College ..	1,25,178	15	3	..	..	..	1,25,178	15	3
10. Oriental College ..	1,17,831	14	0	..	..	..	1,17,831	14	0
11. Hailey College of Commerce ..	67,261	6	5	..	..	..	67,261	6	5
12. Physical Training ..	13,352	9	0	..	..	..	13,352	9	0
13. University Teaching ..	2,56,070	13	8	..	..	..	2,56,070	13	8
14. Improvement of Education ..	63,236	4	6	..	..	..	63,236	4	6
15. Foreign Information Bureau ..	3,627	3	11	..	..	..	3,627	3	11
16. Oriental Publications Fund ..	3,000	0	0	..	..	..	3,000	0	0
17. Capital Expenditure on University Buildings ..	29,060	3	6	..	..	..	29,060	3	6
18. Advances given ..	6,644	5	3	..	..	..	6,644	5	3
Closing Balance ..	5,51,347	0	6	5,594	6	10	5,56,941	7	4
Total ..	21,70,531	1	11	30,181	1	5	22,00,712	3	4

	INVESTMENTS.			CASH IN HAND.		
1. Current Account ..	4,66,500	0	0	5,51,347	0	6
2. Provident Fund Account ..	10,93,200	0	0	22,856	0	11
3. Special Endowed Trusts Accounts ..	5,96,100	0	0	5,594	6	10
Total ..	21,55,800	0	0	5,79,797	8	3

The following table shows the Abstract Account of the Original Donations received for the various Trusts, their gross value in Government Paper, and the Cash Balance at credit or debit of each Trust on the 31st March, 1939:

Name of Account.	Capital on 31st March, 1938. Government Securities.	Redemptions during the year 1938-39.	Govt. Securities purchased during the year 1938-39.	Closing Balance on 31st March, 1939.
	Rs.	Rs.	Rs.	Rs. a. p.
1. Alfred Patiala Research Studentship	30,050	..	200	409 1 0
2. Alexandra Research Studentship ..	14,650	..	..	..
3. McLeod Kashmir Sanskrit Research Studentship	42,250	..	350	99 10 7
4. McLeod Kapurthala N. S. Research Studentship	34,400	..	850	150 1 1
5. Mayo Patiala Engineering Research Studentship	22,700	..	..	151 12 0
6. McLeod Panjab Arabic Research Studentship	33,500	..	150	292 15 11
7. Alfred Nabha Jind Scholarship	12,200	..	..	104 3 6
8. Bahawalpur Arabic Scholarship	17,850	..	350	84 0 3
9. Amritsar McLeod Memorial Scholarship	7,900	..	250	88 2 11
10. Fuller Exhibition Scholarship	14,950	..	150	69 2 5
11. Jind Panjabi Scholarship	8,200	..	..	70 11 1
12. Patiala Gurmukhi Teaching and Scholarship	15,900	..	..	30 0 11
13. Brandreth Leitner Prize	1,250	..	100	98 14 2
14. Jaishi Ram Medal	2,850	..	..	4 1 3
15. MacLagan Gold Medal	2,100	..	..	..
16. Inayat Ali Watson Silver Medal	1,150	..	50	57 14 10
17. Inayat Ali Griffin Prize	2,600	..	50	87 13 2
18. Awar Gold Medal	4,000	..	..	36 15 5
19. Rai Kanhaya Lal Polard Prize	2,350	..	..	16 2 9
20. Khalifa Mohammad Hussain Aitchison Medal	4,600	..	150	66 1 2
21. Khalifa Mohammad Hussain Jubilee Medal	12,350	..	600	154 2 10

Name of Account.	Capital on 31st March, 1938. Government Securities.	Redemptions during the year 1938-39.	Govt. Securities purchased during the year 1938-39.	Closing Balance on 31st March, 1939.
	Rs.	Rs.	Rs.	Rs. a. p.
22. Aitchison Ram Rattan Sanskrit Scholarship	37,850	..	400	126 10 7
23. Wakefield Memorial Prize	3,400	..	200	71 6 6
24. Cooper Medal	1,450	..	150	44 7 7
25. Patiala Sime Medal	4,100	..	150	-7 3 7
26. F. S. Jamal-ud-Din Medal	1,300	..	50	52 9 10
27. Prince Albert Victor Patiala Scholarship	82,200	..	500	187 6 8
28. D. B. Bhagwan Dass Bullo Mal Gold Medal	2,150	..	..	46 15 3
29. Shrimati Dhan Devi and Shrimati Jai Kaur Medal	1,200	..	..	54 12 6
30. R. S. Munshi Gulab Singh Denzil Ibbetson Diamond Jubilee Purse	3,000	..	..	117 9 0
31. K. B. Sheikh Nanak Bakhsh Medal	1,250	..	..	15 2 2
32. Sahib Zada Mohammad Ubedullah Khan Medal	1,750	..	..	87 3 7
33. Malik Das Ram Topan Mal Silver Medal	700	..	..	68 11 0
34. R. B. Beli Ram-Ram Chand Victoria Memorial Prize	400	..	..	..
35. R. B. Sagar Chand Silver Medal ..	500	..	..	80 1 3
36. Anjuman-i-Islamia Arnold Silver Medal	400	..	..	31 5 8
37. Kanwar Sir Harnam Singh Rivaz Gold Medal	2,850	..	..	68 4 6
38. Dr. Rahim Khan's Memorial Fund..	1,600	..	..	50 9 3
39. Dr. Bishen Das Medal	400	..	..	..
40. Rivaz Mela Ram Medal	3,750	..	..	67 9 0
41. Davies Pakhoke Medal	700	..	..	20 1 3
42. Karam Devi Rai Bahadur Beli Ram Memorial Medal	850	..	50	69 10 11
43. Lady Dane Gold Medal	100	..	..	61 14 10
44. Patiala Ranbir Medal	3,550	..	..	52 1 2
45. Baba Khem Singh Medal	650	..	..	3 2 0

Name of Account.	Capital on 31st March, 1938. Government Securities.	Redemptions during the year 1938-39.	Govt. Securities purchased during the year 1938-39.	Closing Balance on 31st March, 1939.
	Rs.	Rs.	Rs.	Rs. a. p.
46. Dane Malerkotla Medal and Scholarship	14,950	..	400	163 10 3
47. R. S. Lala Chuni Lal Medal	2,400	..	50	67 11 7
48. The Oman Prize	750	..	50	58 10 2
49. L. Ruchi Ram Declamation Prize	1,200	..	..	.. ..
50. Shah Din Asghari Khanam Medal	3,100	..	50	105 15 4
51. K. B. Sh. Nasir-ud-Din Medal	3,150	..	..	.. ..
52. Sinha's Bequest	98,550	..	1,700	270 0 7
53. Sir P. C. Chatterji Endowment	5,750	..	..	333 1 6
54. Amrit Lal Roy Medal	1,350	..	..	11 15 9
55. Sir Ganga Ram Medal and Scholarship	5,600	..	..	145 11 8
56. R.S.M. Gulab Singh deMontmorency Medal	1,850	..	..	72 9 1
57. Thanksgiving Fund	2,950	..	..	123 3 1
58. Chatterji Endowment .. ..	..	..	..	75 0 0
59. Sir Donald McLeod Memorial Fund .. ..	..	..	..	176 10 1
60. Kishan Chand Mehra Memorial Fund .. ..	..	..	..	35 0 0
61. K. B. Thapur Gold Medal	1,600	..	..	116 0 0
62. P. Daulat Ram Prize	500	..	..	88 2 7
63. L. Bishan Das Lamba Prize .. ..	..	..	..	111 11 0
64. Sh. Damyanti Declamation Prize .. ..	..	..	1,500	9 14 0
65. L. Satya Pal Prize .. ..	..	..	..	154 2 0
Total	5,87,600	..	8,500	5,594 6 10

By order,
 ISHWAR DAS,
 REGISTRAR,
 University of the Panjab.

