

The University of Rochester

THE
REPORT OF THE PRESIDENT
AND THE
REPORT OF THE TREASURER



1918-1919

The Report of the President

To the Trustees of The University of Rochester :

I have the honor to submit the following report of the work of the University for the year ending June 18, 1919.

Since my last report death has taken heavy toll of us. On July 23rd, 1918, Professor Joseph Henry Gilmore died. In 1908 he was retired from active duties after a service of forty-one years as Professor of Rhetoric and English. For several years after his retirement he was in vigorous health, and was very active in the work of the Rescue Mission and the Railroad Y. M. C. A. in Rochester. During the past two or three years, however, his strength has been failing, and his death must have been to him a welcome release. He has left a record of large accomplishment in arousing the interest of many generations of college students in the best in English literature. And hosts of Rochester graduates held towards him, and hold towards his memory, a deep affection. He was in his eighty-fifth year.

Professor Henry Fairfield Burton died suddenly August 27, 1918. For several months he had seemed in better health than for some years past. In fact had death taken him a year before it would have caused us no surprise. But his condition had so greatly improved and his work had shown such full vigor that we anticipated several years more of the benefit of his invaluable association with us. Professor Burton came to Rochester in 1877 as Assistant Professor of Latin. He was promoted to be professor of Latin in 1883, and continued in that position until his death—a service of forty-one years. During the years 1898-1900 he

was acting president of the University, administering its affairs with marked ability. As a teacher he showed unusual power, as an adviser he had extraordinary wisdom, as a scholar he was exact and exacting, as a citizen and friend he exhibited unswerving loyalty and integrity. His loss to the University is beyond repair.

Howard Townsend Mosher was lecturer on citizenship in our faculty from 1910 to 1914. He led the students in a study of the city of Rochester as a typical and progressive municipality with the object of fitting them for more intelligent citizenship in any community in which they might become residents. It was a new field of inquiry for college students, and Mr. Mosher brought to his task extensive experience in public affairs, high ideals of political aims and practice, and much enthusiasm for the new work. He resigned his lectureship in 1914 to accept appointment to the New York State Workmen's Compensation Commission on which body he served with marked fidelity and ability for two years. During the year 1918 he was a member of the Monroe County Food Administration—a service of patriotic devotion. As a man he was genial, unswervingly upright, public spirited, and of rare winsomeness of character. He died February 15, 1919, after a short illness. His work with our faculty will always be remembered with satisfaction, and the memory of his friendship is cherished with gratitude.

ENROLLMENT

The attendance for the current year recorded in the annual catalogue is as follows:

	Men	Women	Total
Graduate Students	3	1	4
Seniors	17	51	68
Juniors	42	51	93
Sophomores	55	58	113
Freshmen	171	84	225
Special Students	6	22	28
Special Students in S. A. T. C.	76		76
Totals	370	267	637
Extension Students	29	157	186
Students in Employment Managers Courses	70	37	107

Candidates for Bachelor's Degrees

	Arts		Science		Total	
	Men	Women	Men	Women	Men	Women
Seniors	7	44	10	7	17	51
Juniors	14	44	28	7	42	51
Sophomores ..	17	51	38	7	55	58
Freshmen	47	61	124	23	171	84
Totals ...	85	200	200	44	285	244

Deducting from the totals 76 special students in the Students Army Training Corps, the real college enrollment has been 294 men, 267 women, a total of 561. Compared with the preceding year this shows an increase of 30 men, a decrease of 4 women, a net increase of 26. The increase in the enrollment of men is due to the large registration in the Freshman class, due probably to the stimulus offered by the S. A. T. C. and to the steady flow back to college work of men released from service since the armistice. Of such returning men thirty-four were received before the catalogue went to press. Thirteen more have registered

since that date, who are not counted in the summary published in the catalogue.

The special students in S. A. T. C. are men, enrolled last autumn for military and academic training under the rules laid down by the war department, who decided not to continue in college after the S. A. T. C. unit was demobilized.

The extension students are those who have taken extension courses during the year, but are not counted as resident students in the college. The students in Employment Managers courses were in attendance for very special work, under government direction, for intensive periods of eight weeks.

The years 1916-17, 1917-18 showed a decided falling off of attendance of men, owing to the call of patriotic service. Had it not been for the S. A. T. C. that tendency would doubtless have reached its extreme this year. The steady flow of former students back to college work which has been in evidence since the cessation of hostilities, gives promise that next year will see a return to conditions of attendance much more nearly normal. Had the growth in the registration of men continued for the past three years in the ratio that prevailed in the preceding three years, the enrollment of men this year would have been 346 instead of 294. Next year the Senior class, and to some extent the Junior class, will probably show the effects of withdrawals for war service. The attendance of Sophomores and Freshmen gives promise of being normal.

The attendance of women increased steadily for four years after the opening of the separate buildings for women. The increase began with the enrollment for the Freshman class the year those buildings were completed. The increase of Freshman registration has been kept up since that time. Last year was the first that included the enlarged

enrollment for all four classes. From this time on the ratio of total increase may be smaller than during the first four years of the separate college for women.

THE STUDENTS ARMY TRAINING CORPS

During the autumn of the year 1918 the work of the College for men was practically suspended in order to meet the requirements of the Students Army Training Corps, which was organized by authority of the War Department and began its operations October 1, 1918. By the new selective draft law passed August, 1918, all men between eighteen and forty-five years of age were required to enroll for military service, and the War Department announced its purpose to call all men between eighteen and twenty-one before July, 1919. Experience had shown that the colleges were the most productive sources of supply for candidates for Officers Training Camps. Accordingly the War Department entered into contract with many Universities and Colleges to institute units of the Students Army Training Corps, which would be recruited by men liable to draft, who, being either already enrolled in college, or prepared to enter, should voluntarily ask immediate induction into the army as soldiers, and assignment to the S. A. T. C. for instruction and military training.

The instruction provided for these student soldiers was prescribed by the Committee on Education and Special Training of the War Department, which determined the subjects of instruction and issued syllabi indicating the matter which should be covered in the several courses. For men twenty years of age, whose call to active service was expected within three months, the studies were rigidly prescribed. For men of nineteen and eighteen, who were

expected to receive their call in six and nine months respectively, the prescribed studies were distributed over longer periods, and opportunity for option was thus offered, within the range of academic studies recognized by the Committee.

The foundation of this instruction was a course, prescribed for all S. A. T. C. men, on the Issues of the War—"a course on the remote and immediate causes of the war and on the underlying conflict of points of view as expressed in the governments, philosophies, and literatures of the various states on both sides of the struggle." The other prescribed studies were those which the Committee regarded as important in preparing men for service in the infantry, field or heavy artillery, air service, ordnance or quartermaster corps, engineer corps, signal corps, chemical warfare service, motor transport and truck service. All this instruction was prescribed with a view to developing men who might be assigned to Officers Training Camps.

The military training was provided by the War Department, which assigned five commissioned officers to the University of Rochester for this purpose, under the command of Ben Alexander, Captain of Infantry, United States Army.

Two hundred and forty-nine men voluntarily inducted into the army were assigned to this unit of the S. A. T. C. for instruction and training.

In addition four men of the Naval Reserve were associated with the S. A. T. C., and twenty-two men under eighteen years of age were enrolled for instruction with the unit in anticipation of full induction on attaining the requisite age. Thirty-four other men not eligible for military service were in attendance on the classes pursuing studies for their academic degrees.

The signing of the armistice on November 11, 1918,

and the order for demobilization of the S. A. T. C. which followed soon after, terminated this experiment in combined academic and military training, and on January 1, 1919, the college returned to its peace time organization.

The army officers assigned to our Unit were men of clear understanding of the academic as well as the military aspects of the training we were asked to provide for the student soldiers. Consequently they and the faculty worked together with sympathetic co-operation.

For the housing of the soldiers we found it necessary to transform Kendrick Hall into a barracks for 60 men, and to build a temporary wooden barracks to accommodate 192 more. This temporary barracks with its toilet and wash-room annex was built at a cost of \$11,991.71.

To provide mess hall and kitchen facilities the basement of Kendrick Hall was fitted up as a mess hall, and a kitchen adequate to provide quick service for 253 soldiers was constructed connecting with this mess hall. This new construction and equipment cost \$11,488.35.

The academic instruction was furnished by the College, supplemented by retaining the services of Clarence M. Platt, Esq., of Rochester, to teach Military Law, and Mr. C. C. Rogers of the East High School of Rochester to teach Accounting.

The cost of providing housing for the men, including rental for Kendrick Hall at our published rates, less salvage on the temporary buildings, was met by the payment of \$12,296.07. The cost of providing subsistence, including the cost of the mess hall and kitchen, less \$5,000 allowance for future use of the equipment which is retained by the University, was met by the payment of \$16,126.43. The cost of instruction was met by the payment of \$15,768.19.

These payments were in accordance with the contract

entered into between the University and the Committee on Education and Special Training of the War Department.

THE FUTURE OF MILITARY TRAINING

After the demobilization of the S. A. T. C. the colleges were asked whether they desired to continue the combination of academic and military education by making request for the establishment of Units of the Reserve Officers Training Corps. Most of the larger Universities made such requests, the minimum registration of 100 applicants for the R. O. T. C. being readily secured. Many of the colleges and smaller Universities declined to ask for R. O. T. C. Units. The reasons were two. The students did not apply in sufficient numbers, and the institutions were not convinced that the R. O. T. C. is good either as an adjunct of academic training, or as an agency for military training.

The essential requisite for successful military training is military discipline operative on the soldier twenty-four hours a day, seven days in the week. This is impossible in a normal academic life. Furthermore, the character of academic discipline is fundamentally different from that of military discipline. The former seeks to develop character by self-control in conditions of liberty, similar to the conditions of civilian life. The latter develops character by official control under conditions of enforced obedience.

That such discipline of enforced obedience is good for youth is acknowledged. It may well be that universal military training or some system similar to that of Switzerland, which will require youth to go to military camps for intensive training during a sufficient time in the summer months, may wisely be adopted as a policy for our country. It may well be also that many subjects in mili-

tary science necessary for officers to know and essentially academic in character, might advantageously be taught in colleges to the young men who are to take their intensive military training in such summer camps. This college stands ready to co-operate to the limit in any such plan that may be devised for our country. We do not at present see how, in times of peace, military training and academic work can be carried on simultaneously with advantage.

ROCHESTER'S WAR SERVICE ROLL

A roster of Rochester men who entered war service in the army, the navy or other branches of service, such as the chemical warfare service, also of the men who served with war relief agencies such as the Red Cross and the Y. M. C. A., is in press and will be ready for distribution at Commencement. It is the result of a labor of love by Professor Slater, who himself devoted the summer of 1918 to work in the Military Intelligence Division of the General Staff of the United States Army at Washington, and who only declined a commission to continue this work because duty seemed to call imperatively in Rochester, if we were to do what the War Department asked in connection with the S. A. T. C.

This roster contains the names of 850 Rochester alumni, undergraduates and faculty, and of 12 alumnae and non-graduates: of whom 654 served in the Army, 279 as commissioned officers, 153 as noncommissioned officers, and 358 as privates (including S. A. T. C.); 111 who served in the navy, 53 as commissioned officers, 22 as noncommissioned officers, and 36 as privates; 11 in the Marine Corps, 4 as commissioned officers, 1 as noncommissioned officer, 6 as privates; 26 who served in other branches of

war activity under the Government; 6 who served in the Red Cross; and 28 who served in the Y. M. C. A.

Of our alumnae and former women students 7 were in military hospital service, 3 in France and 4 in this country; 4 were in service with the Y. M. C. A., 3 in France and 1 in this country; and one served with the American Red Cross.

OUR GOLD STARS

The following Rochester men met death in service in the World War:

Harold C. Kimball, ex 1911. Killed in action April 9, 1917.

John H. Lehnen, 1912. Killed in action September 29, 1918.

Everett C. Case, 1913. Died of disease July 22, 1918.

Lawrence B. Atkins, 1915. Died of disease October 30, 1918.

Harry O. Ferguson, ex 1916. Died of disease January 16, 1919.

Leon H. Buckler, ex 1917. Died of disease September 9, 1918.

Charles H. Evans, 1918. Died from injuries in naval accident June 18, 1917.

Robert K. Dennison, 1919. Died of disease December 17, 1918.

Samuel R. McNair, 1919. Died of disease October 11, 1918.

Jules V. Fish, ex 1920. Killed in action April 6, 1918.

G. Barstow Fraley, 1920. Killed in aeroplane accident August 12, 1918.

OTHER WAR SERVICE

The Roster I have referred to cannot cover all forms of dedication of themselves by Rochester men to the country's great enterprise in the war. Many alumni served on local draft boards, with utter disregard to their private business interests, whose service is not commonly recognized as war service. Hundreds of lawyers gave time and experience without stint in helping young men meet their obligations under the Selective Service laws. Many men and women gave time and ability to local Red Cross and other war relief activities whose names we do not as yet have on record as having so served.

Our laboratories and their personnel, our classrooms and teachers, our whole equipment of men and appliances was dedicated to service for the victory of the army and navy, even before the War Department drafted the colleges for military training. Mention should be made in particular of the course of training for employment managers, concerning which I reported in detail a year ago, and which was continued up to October 29th, 1918, and was regarded as of unique importance.

All these services were rendered eagerly, devotedly and as a patriotic matter of course.

EFFECTS OF THE WAR ON COLLEGE TEACHING

It is certain that colleges, like other social institutions, will find new influences and new demands affecting them as a result of the war. It is too early to say much that is definite. For one thing most colleges are reconsidering their curriculum requirements to determine whether changes can be made which will increase their value to the students. Such a reconsideration is in progress with our faculty.

Conclusions will not be reached, however, until the next college year.

Much has been made in some institutions of the advantages that may be gained by applying to the problem of admission to college some of the tests which were developed by the psychologists in the service of the army for the selection of men for special tasks. But the significance of those methods applies not only to the problem of admission to college, but even more to the problem of advising students concerning their courses after they are in college. Much of value may also be learned by us in the matter of helping our graduates to secure opportunities for the work in life for which they are best adapted. With the expert assistance of Professor (Captain) Pechstein, who served in the army as Chief Psychological Examiner at Fort McPherson, Ga., and as Chief of the Educational Service at U. S. A. Reconstruction Hospitals at Cape May, and later at Boston, Mass., we are endeavoring to learn all that that army experience has to teach us.

EXTENSION TEACHING

The depletion of our staff owing to withdrawals for war service curtailed to a considerable extent our ability to serve our community in this important way. In the appendix hereto will be found statistics of the courses actually given. With the return to normal academic life it is our hope to be able to increase this work so as to meet all demands which may be made for instruction in subjects germane to our college work. The experience of other urban institutions suggests that this demand is likely to grow rather than diminish. And no service that a college can render deserves more interested consideration by the faculty and trustees.

PUBLIC LECTURES

On the Rosenberger Foundation we presented to our students and the Rochester public the opportunity to hear Mr. Robert Nichols, one of the prominent younger English poets developed by the war. He lectured on April 26th, 1919, his subject being: "The New Elizabethans." Many other lectures have been offered to the students and the public at the University during the year, though the co-operation of the Memorial Art Gallery, the Archaeological Institute of America, the Rochester Academy of Science, the Rochester Chemical Society, and the New York State Archaeological Society.

THE REVISED CHARTER

At your Annual Meeting held last June you petitioned the Board of Regents for an Amendment to our Charter which would remove any existing ambiguity as to our university powers. Such amendment was granted by the Regents on December 12th, 1918, and reads as follows: THIS INSTRUMENT WITNESSETH That the Regents of the University of the State of New York have amended the charter of the University of Rochester, which was incorporated, provisionally January 10-31, 1850, and February 14, 1851, and absolutely January 10, 1861, by the Regents of the University of this State, by making and enlarging the corporation's educational powers to be both college and university in character and scope, and to comprehend sanctioning, subject in all things to the rules, requirements and restrictions of the said Regents of the University, the establishing and maintaining of undergraduate and graduate college departments, professional, technical, vocational, and

other departments; the designation of any departments of the University as schools and with appropriate distinguishing names; the placing of any of such departments under special directing management, auxiliary and subordinate to that of the University trustees; the affiliation with other approved organizations in educational work within the jurisdiction of the University; the conferring of suitable degrees, which or whose symbols are then registered by the Regents, upon duly qualified graduates from courses of instruction given by or under its supervision and directing control; the awarding of attesting certificates for meritorious educational work done under such supervision and control; and the giving or supervising of elementary and secondary instruction, preparatory for or in connection with higher grades of its educational work.

THE SCHOOL OF MUSIC

The immediate occasion for this request was Mr. George Eastman's offer to present to us the property and charter rights of the Institute of Musical Art in Rochester, in order that the Institute might become a school of music in the University. Coincidentally with this offer other friends of musical education in the city subscribed a fund for the school payable each year for five years.

The Institute has now become our property. It is under the direction of Mr. Alf Klingenberg Musical Director. It has enlarged and enriched its teaching staff, notably by the securing of Mr. Arthur Alexander, as head of the voice department and Mr. Arthur Hartman, as head of the violin department. The work of the school promises to grow steadily in value and in public recognition.

MR. EASTMAN'S GREAT GIFT

Convinced that the School of Music has possibilities of very great usefulness to Rochester and the wider musical interests of the country at large, Mr. Eastman has concluded to build, equip and endow a new home for this school, and to provide for the music lovers of the city, as a part of this new musical equipment, a Music Hall to seat 3000 persons, designed to be as nearly perfect for concert purposes as it is possible for such a hall to be. The new home for the School of Music will also contain a smaller hall seating 500 persons for chamber concerts and other similar uses.

The plans for this great enterprise are already advancing towards completion, and it is probable that the work of construction will begin in the autumn of this year.

The site for the new school will be on Gibbs Street at the corner of Main Street East. Property fronting 226.5 feet on the east side of Gibbs Street, 254.33 feet on the west side of Swan Street, and 73.55 feet on the south side of Main Street East has already been purchased for this purpose by Mr. Eastman, and given to the University. In addition he has purchased 200 feet on the east side of Swan Street for a heating plant for the school.

Already students of the Institute have been received into some University classes at the request of Mr. Klingenberg, and a valuable class for University students in musical history and appreciation has been conducted by Mr. George B. Penny, Dean of the Institute. A joint course of study leading to the college degree Bachelor of Music is in course of definition and will be announced in the autumn.

Acting on your instructions, I have asked Mr. Eastman to

assent to our desire that this new school shall bear his name, and he has agreed that this new department of our work shall be known as the Eastman School of Music.

CO-OPERATION WITH THE CITY SCHOOLS

The Board of Education in Rochester gives much attention to music as a part of the education of youth. This work is under the very competent supervision of Mr. Charles H. Miller. Mr. Miller interested Mr. Eastman in the possible development of this work, in connection with the growth of the School of Music, and Mr. Eastman contributed \$15,000 for the purchase of orchestral instruments for the use of pupils in the several school orchestras under training by the teachers of music in the public schools. These instruments are the property of the School of Music, and are loaned to the Board of Education subject to a contract protecting the rights of the school.

OUR FINANCIAL SITUATION

The war has left us with an accumulated deficit in current expenses of \$50,000 due to (1) reduced registration during the war years, and (2) phenomenal increases in the cost of maintenance of our plant, and (3) the bonus paid to members of our teaching staff in the years 1917, 1918, 1919, to assist them in meeting the same phenomenal increase in living costs that has embarrassed the University.

These bonuses have been emergency appropriations. The situation in respect of cost of commodities indicates that no considerable relief may be expected in the immediate future. Men on fixed salaries in institutions that have no surplus of profits on which to draw for increases in pay suffer from these increased costs of necessities as no other

class has to suffer. The problem of providing means for a definite increase in teachers' salaries has already received the attention of municipal and state authorities. Colleges that depend on endowments to provide income to supplement what they receive from student fees, can increase salaries only as they obtain enlarged endowments. This problem is being faced by many institutions of our class throughout the country, and it is very gratifying that you recognize the necessity of an active campaign for funds for the University of Rochester.

Our problem is threefold—(1) To cancel the war deficiency above referred to. (2) To cover the difference (about \$9,000) between our present scale of annual expenditure (exclusive of the bonus above referred to) and our annual income from all sources, and (3) To increase teaching salaries. At present the maximum salary of a full professor is \$3,000, of a junior professor \$2,500, of an assistant professor \$2,100. These maximums were established after our last great addition to general endowment in 1913. To add \$500 to professors' salaries and \$400 to assistant professors, and to cover our accumulated and annual deficiencies will call for \$750,000. To provide for certain increases in our teaching staff that are greatly needed, and for more adequate salary increases will require \$250,000 more.

A million dollars is a large sum for us to raise. But I believe we must seek to get it, or income equivalent to it, in the near future. You have already given thought to this matter, and have authorized a campaign for additional endowment. The problem that presses is the needs of our teachers in this interval. To that problem we must give our earnest attention.

The officers of the Associated Alumni deeply impressed

with the need for increasing our teachers' salaries have already projected a Victory Fund Campaign, the suggestion having come from their President, Judge J. Warrant Castleman, 1889. The plan is to ask all alumni to subscribe as generously as possible, payment to be made in Liberty bonds—the fund to be in a special sense a recognition of what University of Rochester men have done for the victory of the cause of liberty in the World War.

Friends of the University outside the Alumni are also interested in the project to make possible an increase of teachers salaries, and Mr. George Eastman, in addition to his magnificent gifts to us for the Eastman School of Music, has promised to contribute \$100,000, towards \$750,000 of additional University endowment.

The offer of Mr. C. A. Brown of 1879, Mr. L. W. Bowen of 1879, and Mr. F. R. Welles of 1875 to contribute \$25,000 each for new library endowment provided that, in addition to Mr. R. A. Sibley's gift of \$25,000, \$100,000 be given by others for such library endowment, have agreed to recognize \$100,000 contributed to this new fund as fulfilling their condition, if we set aside a like sum from general endowment funds for library maintenance, a condition we can readily meet, as all library salaries are now a charge on our general funds. In fact, Mr. Brown and Mr. Welles have already deposited securities with us on account of their offer, and are allowing us to use the income, and Mr. Bowen is ready to do the same so soon as you deem it wise so to designate to library purposes irrevocably the requisite amount from our general funds.

The importance of making the proposed increase in salaries is so manifest and its justice so clear that I believe we shall find our alumni and friends ready to respond to our appeal. But it will demand the best effort and the

fullest co-operation of which all who value the University of Rochester are capable.

In this connection certain statistics of the growth of the college since 1913, and the use made of the new funds secured in our last great financial campaign may be helpful.

The number of students has increased 31 per cent. Had the war not taken large numbers of our men, and had the growth of the three pre-war years continued, that increase would have been 43 per cent.

The number in the faculty has increased $35\frac{1}{2}$ per cent.

The number of classes taught (separate sections) has increased 30 per cent, and the number of subjects taught 16 per cent. These percentages do not include extension classes or special work like the Employment Managers courses, but indicate growth in the regular work for undergraduates.

Five new buildings have been erected since 1912.

Maintenance costs (exclusive of salaries) have increased \$23,000, or 93 per cent. Up to 1918 receipts from students had increased \$19,136 over 1912—54%.

After we received our enlarged endowment in 1913, salaries of men then in service were increased \$17,500, new positions were created to care for growing numbers, at an annual cost of \$26,000.

During the six years increased annual costs have exceeded income from all sources applicable to general college uses ¹ by \$8,500.

These figures show why the new funds must in part pro-

¹ The income from the L. P. Ross Fund is restricted to special uses. Only a part is applicable to the support of previously established work of the college. That part only is included in the above "income from all sources."

vide for current deficiency in our normal income and expenditure account. Growth in a college is as expensive as growth in a child. Only prohibitive tuition fees could make a college self-sustaining, not to say a profit-earning enterprise.¹

CONCERNING AN ALUMNI SECRETARY

In 1917 you authorized co-operation with our Associated Alumni in the appointment of a man who shall act as Alumni Secretary, and work for a closer co-ordination of Alumni interest in the work of their Alma Mater. The call of the war took for the time being the men who were under consideration as candidates for this position. I hope to present a nomination to the Alumni and to you by commencement. This time is most opportune for the beginning of such work as an Alumni Secretary will have to do, because of the Victory Fund Campaign which the officers of the Alumni wish to prosecute. His function is far larger, however, than the raising of money. He will endeavor to knit the Alumni closer to Alma Mater by keeping them better informed about the college, by discovering ways in which the college may still be of service to them, as well as by showing how in many ways they may help make Rochester more useful and honorable.²

¹ Had tuition been charged at cost in 1917-18, omitting all charge for interest on the value of the college equipment, each student would have had to pay \$303.00. Our tuition fee is \$130.

² Captain Raymond N. Ball of the Class of 1914 was elected June 17, 1919, to be Alumni Secretary.

DEPARTMENT OF VITAL ECONOMICS

This department, created by the bequest of Lewis P. Ross, has now been in partial operation for one year.

Laboratory facilities for physiology and bio-chemistry have been provided in the Eastman building, and important investigations of the nutritive effects of dehydrated vegetables and fruits, with special reference to the prevention of scurvy, have been conducted by Professor Givens and Dr. McCluggage, under the general supervision of Lieutenant Colonel John R. Murlin, Director of the Department. Dr. Murlin finished his work with the army on May 20th last, has received his honorable discharge, and has now settled with his family in Rochester, and will give constant personal attention and direction to the work of his department.

Another enterprise of the department initiated by Dr. Murlin and carried out by Dr. Givens, has been a survey of the use of milk as a diet by families of moderate incomes in Rochester. This milk survey covered all told 385 families, of which 39% were Jewish, 35% Italian, 14% American and 12% Polish. The total number of individuals studied was 2481. Of these 34% were over 16 years, 28% between 8 and 16, 33% between 2 and 8 and 5% under 2 years of age. The survey showed that 85% of the children under 16 years of age were receiving no milk as a part of their diet and that only 3% were receiving an adequate amount of milk for proper nutrition. The survey aroused a new public interest in the problem of reducing the cost of milk for such families. Accordingly the Rotary Club of Rochester agreed to finance a milk station from which pasteurized milk could be dispensed daily at cost to families of limited means with growing children. The terms of

agreement between the Rotary Club and the Department of Vital Economics provide: that the station shall be maintained for one year; that milk shall be supplied in bottles by a competent worker who fully appreciates the value of milk and the importance of cleanliness; that it shall be dispensed daily at such hours as may prove to be most convenient to all concerned; that preference in the matter of service shall be given to those undernourished children recommended by the Department; and that the families which receive this milk shall be required to comply with certain simple rules which will insure proper results. The Department agrees with the Rotary Club to carry on, through its scientific staff, the necessary observations to demonstrate the benefits of increased consumption of milk, to supply to the station a trained nurse whose duty it shall be to measure and weigh the children from time to time and to confirm the consumption of milk by the children of the families for whom it is intended. The Department agreed also to supply educational propaganda, to furnish demonstrations of foods and their value, and to lend all aid and scientific advice within its power and consistent with its functions to secure the maximum benefits from the station.

From this time on we may expect increasingly interesting and valuable contributions to knowledge and general welfare from the work of our new department.

CHANGES IN THE FACULTY

The death of Professors Gilmore and Burton and Mr. Mosher brought loss to our active staff only in the case of Professor Burton. Professor Gilmore had been on the retired list since 1908, and Mr. Mosher resigned in 1914 to enter the service of the State on the Workmen's Compensation Commission.

Professor Burton's death left a vacancy in the department of Latin. Dr. Charles Hoeing has been advanced from Junior Professor to Trevor Professor of Latin, and Theodore Augustus Miller, A. M., was called from the Faculty of Princeton University to be Assistant Professor of Classics. Professor Miller was graduated from Rochester in 1907. After graduation he entered upon graduate studies in Classics at Harvard University and the University of Munich. In 1910 he was appointed Instructor in Greek and Latin in Harvard College, and in 1915 he was called to be Instructor in Classics at Princeton. In both institutions he won an enviable record as a teacher, which he is continuing in his work with us.

Colonel F. W. Hinrichs, Jr., is still on leave of absence for army service, having been stationed for some months past at San Antonio, Texas, where he is in command of the U. S. Arsenal. His work in Applied Mechanics has been done this year by Acting Assistant Professor Herbert Albert Weiss, M. E., who came to us from the faculty of the Georgia School of Technology. We are fortunate in being able to retain Professor Weiss's services for another year, and Colonel Hinrichs's leave of absence has been extended.

Assistant Professors Laurence B. Packard (Captain U. S. A.) and Dexter Perkins (Captain U. S. A.) who have been absent on leave for army service expect their discharge from military duty in the near future, and they will resume their work in History with us in September. Acting Professor Allen B. West will leave us at the end of this college year, having taken Captain Packard's work for us for two years. He has served us effectively and has made himself warm friends among his colleagues, his students, and in the community. Acting Assistant Pro-

fessor Jonathan F. Scott, who has taken Captain Perkins's place this year, will remain with us next year and will assist in the departments of history and economics.

Professor Meyer Jacobstein, who, ever since his leave of absence in 1917 to undertake employment work with Michaels, Stern and Company, has been increasingly interested in that line of work, has chosen now to give his whole time to business and has accepted the post of employment manager for the clothing manufacturing house of Stein Bloch Co. in Rochester. His change from academic to business relations is typical of a tendency which is common throughout the country. Consequently it is difficult to find men to fill vacancies in academic departments of economics—a situation which accentuates our need for power to pay better salaries to our teachers.

Our difficulty is further complicated by the fact that Professor Kirk has felt compelled to ask a year's leave of absence on account of the health of his son, who has been ordered to California for a year.

The conditions so presented have led us to the conclusion that it is best to make a temporary appointment of an acting professor of economics, to assign some work in elementary economics for which he is quite competent to Professor Scott, and to request the Social Welfare League of Rochester to permit its Secretary, Mr. Frank E. Wing, to assist us by taking Professor Kirk's classes in sociology. Mr. Wing has agreed to render us this service.

I am fortunate in being able to nominate for Acting Professor of Economics, Mr. Robert A. Campbell of Cornell University. Mr. Campbell was graduated from the University of Wisconsin in 1906. He was a graduate student in Wisconsin 1906–8 and again 1909–10. He held a fellowship at Cornell 1908–9, and has been an instructor in Con-

nell since 1915. In Cornell he has proved himself to be a strong teacher. Cornell releases him for a year to come to us in our emergency.

Professor Louis A. Pechstein, having resigned his captaincy in the army returned to us March 1st. Accordingly we shall not require the services of acting Assistant Professor William D. Owens after the present academic year. Professor Owens has rendered us great service by helping us in the emergency caused by Dr. Pechstein's departure for army service, and he leaves us with our assured appreciation and regard. The work in Psychology and Education has increased so in the years since Dr. Pechstein came to us, that on his return from army service you separated that work from the department of Philosophy and advanced Dr. Pechstein to be Professor of Psychology and Education.

Dr. Raymond D. Havens, who has been absent on leave for Y. M. C. A. service in Texas and in France since September, 1917, has resigned from that work and will return to our faculty in September, as Professor of English.

Dr. Louis Chase, who has been Acting Assistant Professor in Dr. Havens's place, has resigned and will go to a University post in India. Dr. Chase has rendered us a unique service in stimulating interest among our students and the citizens of Rochester in the work of contemporary writers, particularly the poets who have been developed by the war.

Mr. Carl Lamson Carmer, who has been absent on leave for army service, has been discharged and returned to civilian life. He will come back to us in September as Assistant Professor of English.

It is with great regret that I have to report the resignation of our Librarian, Mr. James A. McMillen, who leaves

us to go to a similar position at the Washington University, St. Louis. Mr. McMillen's work for us has been of the highest value and we part with him with great regret. Several candidates are under consideration for his place. The appointment is one of great importance in view of our prospect for enlarged endowment and facilities for the library.

Dr. Maurice H. Givens, Assistant Professor of Bio-Chemistry, has resigned to accept the directorship of the research laboratory at the West Penn Hospital, Pittsburgh. He has done very efficient work in our department of Vital Economics, and we wish him highest success in his new and honorable post.

It is necessary to appoint an Assistant Professor in Chemistry to take the place of Dr. Ira E. Lee who left us last year to take up industrial work. I am glad to nominate for the place Captain Willard R. Line, Sanitary Corps, U. S. A. Captain Line was graduated from Rochester in 1912. He spent a year in graduate study of chemistry at the University of Michigan, making his Master's degree. From 1913 to 1916 he was Instructor in Chemistry here, leaving to accept appointment as Assistant in Sanitary Chemistry at Columbia University in 1916. In December 1917 he entered the Army in the Sanitary Corps of the Medical Department, and he is stationed at present at Camp Pontanezen, Brest, France.

Miss E. J. Knapp, who has served acceptably as Assistant in Chemistry has resigned, and I nominate as her successor Miss Edith Pickard who graduates this year from Wellesley College where she has specialized in chemistry.

Mr. Andreas Bryne closes his service as Instructor in Modern Languages with this college year. He was won our

very high regard, and our good wishes go with him. A successor will be nominated by me at a later day.

Mr. L. D. Whiting, who came to us for one year to assist Dr. Fauver in Physical Education will also close his service this June. I hope to nominate a successor at a later time.

The next year will see most of our War Service Professors back with their classes. They will bring to our students powers increased and experience enriched by their service. Our work should be more effective than ever before.

THE MEMORIAL ART GALLERY

Special exhibitions continue to be offered in the Gallery as heretofore and they have aroused a broader public interest than at any time in the history of the Gallery. Two of these exhibitions were of exceptional prominence: the Henry Golden Dearth Memorial Collection shown during November and December, and the Luxembourg Exhibition, which was sent to this country for the Panama Pacific Exposition, and which was not returned to Paris owing to the hazards of war.

The permanent collection of the Gallery has been enriched by the following gifts: "The Chief and His Escort" by Adolphe Schreyer, given by Mr. and Mrs. Warham Whitney; "Canal in Venice" by Louis Aston Knight, given by Mrs. W. T. Mulligan, Mrs. J. S. Frelinghuysen, and Mr. E. Franklin Brewster, jr.; a wood block print, "The Runway" by Tod Lindenmuth, given by Mrs. James S. Watson; a carbon photograph of the Amiens Cathedral, given by Mrs. Samuel Gould; and 140 photographs of foreign architecture, given by Miss Eleanor Saunders.

THE LIBRARY

The report of the Librarian is appended. It shows the quality of Mr. McMillen's work for us, and increases our regret at his leaving. His successor will find a good work ready to his hand, and a challenge to his best service.

GIFTS DURING THE YEAR

In addition to the gifts to the Memorial Art Gallery (page 28) and to the Library (page 20) and the provisional deposit of securities by Mr. C. A. Brown and Mr. F. R. Welles for Library Endowment (page 20), the following are most gratefully acknowledged:

From Mr. F. R. Welles, for current income, \$500.00; Mr. Jesse L. Rosenberger, for an addition to the Rosenberger Lectureship fund, \$500.00; from Mrs. James S. Watson, for instruction in the History of Art, \$200.00; from Dr. H. R. Brown for the department of Biology, \$100.00; from Mr. W. H. Shaffer, \$25.00.

Professor Lawrence reports the gift by the Bausch and Lomb Optical Company of 6 Crown glass prisms 3 polished faces optically correct, and the replating with platinum of the mirrors of a reflecting telescope and of the Michelson Interferometer.

Professor H. L. Fairchild has presented a large and valuable collection of shells from Florida, Mr. John W. Radu a collection of minerals, and Professor Charles W. Decker of the University of Oklahoma a collection of fossils from that state.

Miss Sarah J. Eddy of Bristol Ferry, Rhode Island, has presented for the Anthony Memorial Hall an excellent oil portrait of Miss Susan B. Anthony, and Miss Leila Usher of Cambridge, Massachusetts, has given four bronze

medals of Miss Anthony to be given as prizes for essays on Miss Anthony's life and work.

The women of the class of 1918, looking forward to the time when we may have a dormitory for women, have given a \$100 Liberty Bond towards the cost of furnishing it.

The outlook for the coming year is bright. Our opportunity for service was never larger. I believe our ability to serve was never better. Our will to serve is limited only by our resources.

Respectfully submitted,
RUSH RHEES.

June 5, 1919.

The Report of the Librarian

To the President of the University of Rochester :

This report of the work of the University Library covers the year extending from June 1, 1918, to May 31, 1919, and therefore includes the period when the Students' Army Training Corps was quartered on the Campus. During that time the Library was used as a night study for the men of the Corps and was not accessible to other readers to any great extent during the usual hours of night opening. Control of the room, in such case, was in the hands of the military department and use of the library was restricted accordingly. Normal conditions were in some measure restored during the winter term, while the spring term has been an approximation of conditions as they were previous to April, 1917.

THE USE OF THE LIBRARY

The circulation of books is shown by the table below :

Total number of books issued	11,117
Books of fiction borrowed	1,629
Unbound magazines	797
Number of non-collegiate borrowers	2,291
Number of new borrowers registered	367

This record shows a considerable decrease in the total circulation when compared to the last report but is easily explained by reason of the conditions mentioned above. There is a great increase in the number of new borrowers registered because of an increased attendance in the lower classes.

We have continued borrowing books for our readers from the larger libraries, especially the Library of Congress and the Cornell University Library. It is gratifying to note the number of Rochester's industries who find our library of considerable use to them in this respect.

No record of attendance at night was kept during the fall term. From January to May, inclusive, a total of 3,000 readers availed themselves of the opportunity given to use our library at night. I see no reason to discontinue night service. There has been some agitation among some of the students who desire that the library be kept open on Sunday afternoons, but the demand has never seemed to be great enough to warrant the expense.

THE WORK OF THE CATALOG DEPARTMENT

The limitation of the book funds during the war period and the unprecedented increase in the cost of everything that goes into the making of a book necessarily caused a great decrease in the number of new books handled by the cataloger. The work of the department was also hampered by the fact that we have had but one trained cataloger since December 1, 1918. Statistics of work done follow:

New books catalogued	1,299
Old books catalogued	95
L. C. cards used	7,978
Cards typed	1,918
Number of cards added to catalog	9,896

The Public catalog had so overgrown the case provided for it that two sections of 15 drawers each and a total capacity of 40,000 cards were added. We expect this addi-

tional card space to be sufficient until expanded quarters for the library are available.

A very necessary cataloguing aid in the form of an official list of subject headings on cards with an indication of the many cross references in use has been completed after two years of work. As this required the typing of about 15,000 cards and involves every subject used in our catalog, it can be seen that it will result in a great economy of time. Another tool badly needed by the library is an official author catalog which would practically do away with the necessity of the cataloger referring to the Public catalog. But this improvement must also await the expansion of our quarters.

THE INCREASE OF THE LIBRARY

Libraries increase by reason of purchase, of gift, or of binding. We have been exceedingly fortunate on account of the great number and value of books received as gifts. For reasons stated in that part of this report devoted to our binding problems, we have not been able to accession even the normal number of periodicals. We have almost a thousand volumes at the bindery now—all of which should be represented in this report. The high prices of books, as explained above, necessarily limited the number of volumes purchased. The following statistics show our growth:

Books in the library, June 1, 1918	74,453
Books added by purchase	1,476
Books added by gift	1,139
Total volumes added	— 2,615
Grand total	77,068
Books discarded or lost	98
Books in the library, May 31, 1919	76,970

The total expenditures devoted to the increase of the library were \$4,161.54, including purchases of \$131.72 from the funds of the Memorial Art Gallery and \$362.46 from the funds of the Department of Vital Economics.

GIFTS OF MONEY

Art	
Memorial Art Gallery trustees	\$100.00
Mrs. James S. Watson	16.00
Mrs. Ernest R. Willard	50.00
	<hr/>
	166.00
Bibliography	
Class in Bibliography II	2.50
Economics & Sociology	
Employment Managers class	16.38
History & Citizenship	
Classes, 1918-19	252.00
Sibley Musical Library	
Mr. Hiram W. Sibley (in addition to gift of many books purchased direct)	40.19
	<hr/>
Total	\$477.07

GIFTS OF BOOKS, AUTOGRAPHS, ETC.

The most noteworthy addition to the library during the year was that of the Century edition-de-luxe of Raemaekers' Cartoons in two folio volumes, the gift of Mr. Hiram W. Sibley. The plates are accompanied by text which explains the full import of the artist—both plate and text being beautifully printed by the DeVinne Press on hand made paper. As the cartoons are reproduced in their original colors, this work stands as a monument to the fame of the supreme cartoonist of the War.

The addition of the lecture notes and papers of Prof. J. H. Gilmore and Prof. H. F. Burton, both for so long connected with this college, enriches not only our collection of Rochesteriana but also our resources in the fields of their labors and researches. We hope eventually to have them made accessible for use by both students and alumni.

Prof. Lewis Chase has deposited with the library as an indeterminate loan many of his own books dealing with modern poets and poetry as well as many autograph letters from some of the most noted writers of our day. Among the writers represented are Thomas Hardy, John Galsworthy, John Masefield, and Maurice Hewlett, in addition to many of lesser note. These, when considered with the many autographs in the Charles A. Brown Collection and in the Morgan and Sage scrap-books, make our collections quite comprehensive—containing letters from the hands of most of the notables of the last two centuries. Autographs are put on display from time to time, those of Napoleon, Wellington and Talleyrand being now on view.

Donations of books were received as follows:

	No. Vols.
Mr. Joseph T. Alling	17
Miss Martha Betz	12
Carnegie Endowment for International Peace	11
Dr. Lewis Chase	77
Dr. E. H. Denio	46
Prof. and Mrs. C. W. Dodge	5
Mrs. William S. Ely	4
Mechanics Institute	14
Member of the Class of '88	10
Prof. William D. Merrell	17
Mrs. Howard T. Mosher	32
The State of New York	76

Mr. Hiram W. Sibley	352
The United States Government	241
Mrs. James S. Watson	32
Dr. Ira S. Wile	7
Mrs. Ernest R. Willard	4
Mr. Charles M. Williams	18
From various donors	164
	<hr/>
	1,139

NOTABLE ACCESSIONS

Some of the more noteworthy additions were:

Books—

- Allen, G. H. and others. The Great War. 3 v.
 The Allies in Art. (The gift of Mrs. James S. Watson.)
 Altamira, Historia de España. 4 v.
 Brauzzi, Cours d'aéronautique générale. 2 v.
 Chronicles of America (to be completed in 50 v.). 20 v.
 Cohen, J. B. Organic chemistry for advanced students; 2 ed.
 3 v.
 Gilbert & Sullivan. Operas. 19 v. (The gift of Mr. Hiram W. Sibley.)
 Goethe. Werke; hrsg. von H. Kurz. 12 v. (The gift of Mechanics Institute.)
 Goethe. Werke; bearbeitet von E. Hermann. 35 v. in 18. (The gift of Dr. E. H. Denio.)
 Graetz, History of the Jews. 6 v.
 Head, Historia Numorum. (The gift of Dr. C. A. Dewey.)
 Holms, Practical shipbuilding. 2 v.
 Hugo, A. France pittoresque. 1835. 3 v.
 Japan. Imperial Govt. Railways. Official guide to Eastern Asia.
 5 v.
 Lessing. Werke; hrsg. von R. Gosche. 8 v. (The gift of Dr. E. H. Denio.)
 Library of Southern Literature. 16 v.
 Macquoid. History of English furniture. 4 v.
 Mumford. Yerkes collection of rugs and carpets.

Musicians' Library. 36 v. (The gift of Mr. Hiram W. Sibley.)
 Porter. Lombard architecture. 4 v. (The gift of Mrs. Ernest R. Willard.)

Raemaekers' Cartoons; Century edition-de-luxe. 2 v. (The gift of Mr. Hiram W. Sibley. See description above.)

Bound Periodicals added—

Academy of political science, New York. Proceedings, v. 1-6, 1910-16.

American art review, 1880-81. 2 v. in 4. (The gift of Mrs. James S. Watson.)

American electrochemical society. Transactions, v. 1-3, 11-32 & General index to v. 1-20. 26 v.

Archives of internal medicine, v. 1-18, 1908-16.

Arena, v. 1-41, 1889-1909. (For the most part the gift of the Reynolds Library.)

Bookman, v. 29-45, 1909-17.

Botanical gazette, v. 29-43, 45-46, 57-65, 1900-07, 1908, 1914-18. 26 v. (17 v. being the gift of Prof. W. D. Merrell.)

Bulletin of Bibliography, v. 1-9, 1897-1917.

Cosmopolitan, v. 3-17, 1887-94.

Geological Society of London. Journal, v. 1-60, 1845-1904.

The Graphic (London), Dec. 1869-June, 1872. 4 v. (The gift of Mrs. Martin W. Cooke.)

Journal de physiologie et de pathologie générale, v. 1-16, 1899-1915.

Munsey's Magazine, v. 10-11, 41, 1893-94, 1909.

National conference for good city government. Proceedings, 1894-1901, 1903, 1905. 10 v. (The gift of Mr. Joseph T. Alling.)

New Annual register, 1780-83. 4 v. (The gift of Mrs. William S. Ely.)

New Europe, v. 3-7, 1917-18.

New York Times Index, 1913-14. 7 v. (Completes our set.)

THE BINDING PROBLEM OF THE LIBRARY

The difficulty of getting books and magazines bound for the library has very much increased during the last year. Local binderies do not seem to care for library work sufficiently to cause them to give it the prompt attention it demands. Books and magazines sent to the bindery should be returned within from four to six weeks, the time at the bindery being dependent upon the character of the work that is to be done. We have had to wait many times as long as six months for volumes that were sent to the bindery, such a wait making these books inaccessible to our readers for seemingly indefinite periods. In the case of magazines this delay handicaps the library very seriously in reference work, which is the chief use to which a college library is put. The addition of the Department of Vital Economics, which is largely engaged in research, has meant an extension of our periodical list and, consequently, a corresponding increase in the number of volumes to be bound. It is apparent that scientific research depends to a great extent upon journals which must be consulted, necessitating prompt return of such files by the binder. Our list of general periodicals is constantly being added to, for the strength of a college library depends largely upon its resources in periodicals and the proceedings and transactions of learned societies. The library of the Rochester Academy of Science, which is deposited with us, is a collection of about 10,000 volumes of the publications of scientific societies throughout the world and should be bound in permanent form to insure greater usefulness and to prevent the loss of parts which cannot easily be replaced.

The binding problem is serious with all other libraries in the city—some of which send to New York to get their

work done rather than wait for an indefinite time to get their work done by local firms. The Reynolds Library, the Mechanics Institute Library, and the Rochester Theological Seminary Library have often been much more unfortunate than we in securing prompt service and have expressed their willingness to coöperate with us should we find it desirable to start a bindery in our own library. Temporary quarters for a bindery could be found in the basement of Sibley Hall, and this space would doubtless prove sufficient until the expansion of the library building in the near future would provide special rooms for it.

At the suggestion of the President, the librarian consulted with the Director of the New York State Library, Mr. J. I. Wyer, Jr., and he placed at my disposal all the information that seemed to be needed. There are two systems that may be adopted as regards the operation of a bindery: (1) The library may operate the bindery as a distinct library department; or, (2) the library may give out the work on contract to a firm which conducts a bindery on the library premises. The second plan seems to be the more desirable and is the one in force in the New York State Library. If the first plan is adopted the bindery employees are also employees of the library and must be treated accordingly, but, at the same time, most bookbinders belong to their trade union. That means that the employees of the bindery would have to be treated both as librarians and as tradespeople—and this has not proved to be a desirable state of affairs. The second plan involves the conduct of a regular bindery by a business firm in library quarters, but insures substantial library binding, makes the books and magazines on hand accessible, and frees the library from any danger of labor disputes. Work would be done on a

contract list of prices, as prearranged between the two parties—such prices to vary with market conditions.

A minimum force for a bindery such as is contemplated—one meant to handle from 2,500 to 4,000 volumes per year—is: one foreman, one binder, one boy, and two or three girls for sewing. The machinery absolutely necessary would involve an expenditure of from \$900 to \$1500, depending somewhat upon ability to pick up pieces second-hand. Such a plant would include a power paper cutter, two book presses, four sewing frames, one gilding outfit, one rounding and backing press, one board trimmer, and many binders' tools. If the work is let out on contract all equipment would be furnished by the contracting firm.

Binding materials are varied—depending upon the character of work desired. The attached list of supplies from the Worcester County Law Library, Worcester, Mass., is very comprehensive and such a variety would not be needed here. Such supplies would be purchased by the binder if work is to be let out on contract.

After considering the above-mentioned facts, I would recommend that the work be let out on contract basis, but would advise that great care be exercised in the matter of selecting firm which is to do the binding. Only men accustomed to doing work for libraries should be considered, because they are aware of the character of work demanded. A guarantee of a minimum quantity—ca. 2,500 vols., could be made with safety because we are now greatly in arrears. We cannot at first expect to get our work done more economically than in the past, but everything will be accessible for our readers unless actually in the hands of the binder or in the press. The complaint—"Why is everything I want always at the bindery?" is so common in all libraries that

it would be a great satisfaction to make it unknown in our own. I trust, therefore, that satisfactory arrangements can be made so that we may have our own bindery in operation by the beginning of the next school year.

SPECIAL DEPARTMENTAL COLLECTIONS

As now constituted, the University library contains five special departmental collections that promise to be of considerable importance. These are the Art library in the Memorial Art Gallery; the Sibley Musical Library; the Fairchild Geological Library; the library of the Rochester Academy of Science; and the library of the Department of Vital Economics. All of these collections present special problems because of use or present character and demand special treatment. They are not to be considered in the same category with the departmental libraries of Chemistry, Biology and Physics, which have smaller collections in most cases and are provided with special departmental library catalogs.

The Art library is now a collection of about 2400 volumes but still far from being adequate. Lack of space, the large size of art books, and limited funds represent its chief problems.

The Sibley Musical Library is rapidly becoming one of the most notable collections of music available, excluding consideration of the well known collections in the Library of Congress, the New York Public Library, the Boston Public Library, and the Newberry Library of Chicago. The continued interest of Mr. Hiram W. Sibley, the donor of the collection, as illustrated by his gift of so many volumes of music during the year, assures an even greater collection. As soon as our quarters are remodeled a large room will

be necessary for this music collection and a curator with special knowledge of music should be appointed. One of the first tasks for such an official might well be the preparation of a printed catalog on the dictionary plan detailing the contents of the collection by author, subject and title.

The Fairchild Geological Library, in great part the gift of Prof. H. L. Fairchild of the Department of Geology, contains the surveys, both national and state, a large collection of maps, many periodical sets, and many separate books. Only a very small part of this library is represented in our Public catalog. Crowded quarters has obliged us to remove almost half the collection to the basement and it will be practically impossible to work on this collection advantageously until more space is provided.

The library of the Rochester Academy of Science contains about 10,000 volumes and represents many of the more notable scientific societies which have been publishing since 1890, when this collection was started. It contains journals in almost every language of Europe and is very representative. This library should be made more accessible to the general public by means of binding the volumes in permanent form. At present, they are merely tied up in Manila rope paper and labeled with the name of the issuing society, the title, volume number, and date. Separate parts, if loaned, may become lost, while a bound volume is not so liable to be misplaced. This library has proved to be extremely valuable to industrial Rochester and it could be made very much more useful if a fund could be secured with which to fill up gaps in sets and to put all in permanent binding. A most regrettable gap is the complete absence of the files of the Philosophical Transactions of the Royal Society of London and the Proceedings of the same society

previous to 1890. There is not a file of these valuable journals in the city, and in these publications are to be found many of the most notable scientific articles published during the last century.

The Department of Vital Economics intends to build up a library in its special field, without duplication of sets in nearby collections. Sets of special periodicals are being acquired and we have already reached the crowded stage. A departmental library catalog will be prepared during the coming summer and this promises to be a very useful collection.

CONDITION OF QUARTERS IN SIBLEY HALL

I need add but little in regard to the crowded condition of the library in Sibley Hall. Two new floor cases capable of shelving a total of about 2,000 volumes were added last summer, closing in two comparatively dark alcoves. Such cases add to the difficulties of supervision and detract from the beauty of the reading room. Provision for accessions of the coming year must be made by discarding additional duplicates and by the transfer of many more volumes to an already crowded basement. The extension of the building should be delayed no longer than necessity requires.

CONTEMPLATED GROWTH OF LIBRARY'S COLLECTIONS

Many sets of periodicals and books that should be available for use in Rochester are not to be found in any library in our city. Some large sets that are badly needed are:

Bibliothèque Nationale. Catalogue générale des imprimés.
British Museum. Catalogue of the Department of printed books.
Library of Congress. Depository catalog (on cards).

Hansard's Parliamentary Debates.

Martin's *Receuil des traités*.

Sabin's *Bibliotheca Americana*; a dictionary of books relating to America.

The above are only a few of the things which should be made available for local scholars, but Rochester citizens must go to Buffalo, Syracuse, Utica, or Albany to consult them.

THE STAFF

War conditions and illness have had much to do with the limitation of our staff to an absolute minimum during the year. In fact, the library has "carried on" with a very little force to do almost the same amount of work. If the bindery is installed, two additional employees will be required in the library itself. They should be secured before the opening of college in September.

The librarian was absent in service from August 15–November 30, 1918. Mrs. Margaret Becker Malone, who volunteered to help in the librarian's absence, left our service definitely on December 1st. The librarian, Miss Elizabeth P. Jacobs, the cataloger, and Mr. H. K. Phinney, the assistant librarian, were all absent for several weeks on account of illness. But despite these several handicaps, the library reaches the end of the school year with very little work in arrears. This is an indication of the hearty coöperation that has always prevailed.

INSTRUCTION IN BIBLIOGRAPHY

One of the features of the work in which I have taken the most interest is the instruction in Bibliography as detailed in the Catalog of the University. My absence during

the fall term did not permit of any work with the English department which has shown so much enthusiasm in the matter of teaching new students the use of the library. But the very nature of this work is elementary and sufficient time is not allowed to cover the field in any thorough manner. In addition, the average member of our entering classes is not able to profit from such instruction because of the lack of general knowledge of why he is in college and of what he expects to get there.

The elective course for those of the three upper classes is intended to give a rather thorough review of the reference books in the various fields of knowledge. During the spring term of 1918 the course was elected by five senior women, while five senior men took the two hour course offered during the spring term of 1919. A census taken of the latter group indicated that 90% of the books treated in the course were unknown to these students. In addition, members of the class stated that such a course would be of great value if given in the latter part of the second year or the first part of the third year of college. Several were so positive as to say it should be made compulsory. It is interesting to consider such evidence in view of any future modifications in the curriculum. The University of Rochester would do well, I think, in requiring more formal study of the methods of research.

In finishing this, the fourth year of my work at the University of Rochester, I wish to state that I regret that I shall have no immediate share in library developments that are visible in the almost near future. Having had a part in the expansion of the library, in which both trustees and president have shown such enthusiastic interest, I should be very ungrateful indeed were I to fail to acknowledge

what their support and encouragement have meant to me. In going to my new field of endeavor, I shall indeed be fortunate if I find an equal spirit displayed.

Respectfully submitted,

JAMES A. McMILLEN,

Librarian.

Courses of Instruction Given in 1918-1919

ACCOUNTING

MR. CLARENCE C. ROGERS

- *A course given with relation to Military Accounting.
Autumn term. 20 men.

ASTRONOMY

ASSISTANT PROFESSOR WEISS

1. General Astronomy.
Spring term, five hours a week. 3 men.

BIBLICAL LITERATURE

PROFESSOR RHEES

2. The Life of Paul. Winter and spring terms, two hours
a week. 5 women.

BIBLIOGRAPHY

MR. MC MILLEN

2. Practical use of Reference Books. Spring term, two
hours a week. 5 men.

BIOLOGY

1. Professor Merrell—General Biology. Two laboratory
*Special S. A. T. C. course.

periods and one lecture each week throughout the year, three sections.

Autumn term. 30 men, 16 women, total 46.

Winter term. 39 men, 17 women, total 56.

Spring term. 38 men, 16 women, total 54.

- 1a. Professor Dodge—General Biology (Special section for students making up work of autumn term).

Winter term, three hours a week laboratory with quizzes.

17 men, 2 women, total 19.

2. Professor Dodge—Vertebrates. Autumn and winter terms, four hours each week laboratory with quizzes.

1 man, 2 women, total 3.

3. Professor Dodge—Histology. Autumn and winter terms, four hours each week laboratory with quizzes.

1 man, 1 woman, total 2.

4. Professor Dodge—Embryology. Spring term, six hours each week laboratory with quizzes.

2 men.

5. Professor Dodge—Bacteriology. Spring term, six hours each week laboratory with quizzes.

1 man, 2 women, total 3.

6. Professor Merrell—General Botany. Four periods a week throughout the year.

4 women.

*Professor Dodge, Dr. Fauver and Dr. Givens—Hygiene and Sanitation. Autumn term, three periods a week laboratory, lectures and quizzes.

56 men.

*Special S. A. T. C. course.

CHEMISTRY

1. Professor Chambers, Mr. Ashdown and Miss Knapp
—General Inorganic Chemistry. One hour a
week lecture, six hours a week laboratory or
recitation throughout the year, three sections.
Autumn term. 82 men, 73 women, total 155.
Winter term. 121 men, 76 women, total 197.
Spring term. 104 men, 72 women, total 176.
2. Professor Chambers—Qualitative Analysis. Two
hours a week lecture, six hours a week labora-
tory or recitation, two sections.
Autumn term. 20 men, 6 women, total 26.
Winter term. 19 men, 6 women, total 25.
Spring term. 6 women.
3. Professor Chambers—Quantitative Analysis. Two
hours a week class work, average of nine hours
a week laboratory throughout the year.
Autumn term. 18 men, 2 women, total 20.
Winter term. 19 men, 2 women, total 21.
Spring term. 16 men, 2 women, total 18.
4. Professor Chambers—Organic Chemistry. Three
hours a week class work, six hours a week lab-
oratory throughout the year.
Autumn term. 4 men.
Winter term. 6 men.
Spring term. 5 men.
- 5¹. Mr. Ashdown—Qualitative Analysis. Winter term,
two hours a week class work, six hours a week
laboratory. 15 men.
- 5². Mr. Ashdown—Qualitative Analysis (continued) and
Quantitative Analysis. Winter term, two hours
a week class work, six hours a week laboratory.
15 men.

6. Professor Chambers—Elementary Physical Chemistry.
Three hours a week lecture, average of three
hours a week laboratory.
Winter term. 5 men.
Spring term. 5 men.
7. Professor Chambers—Chemical Technology.
Winter term, two hours a week. 4 men.
8. Professor Chambers—Organic and Sanitary Analysis.
Two hours a week class work, three hours lab-
oratory.
Winter term. 4 men.
10. Professor Chambers—Chemical Problems. Nine to
eighteen hours laboratory work and conferences.
Winter term. 2 men.
Spring term. 2 men.

CITIZENSHIP

ASSISTANT PROFESSOR SCOTT

Three hours a week throughout the year.

Autumn term.	3 men, 52 women, total 55.
Winter term.	25 men, 54 women, total 79.
Spring term.	26 men, 53 women, total 79.

ECONOMICS AND SOCIOLOGY

1. Professor Kirk and Professor Jacobstein. Principles
of Economics. Three hours a week throughout
the year, three sections.
Autumn term. 49 men, 56 women, total 105.
Winter term. 91 men, 58 women, total 149.
Spring term. 86 men, 58 women, total 144.

2. Professor Kirk—Labor Problems. Three hours a week throughout the year.

Autumn term.	4 men, 4 women, total 8.
Winter term.	22 men, 4 women, total 26.
Spring term.	22 men, 4 women, total 26.
6. Professor Kirk—Modern Social Institutions. Autumn term, three hours a week.

11 men, 37 women, total 48.

7. Professor Kirk—Practical Philanthropy. Winter term, three hours a week.

22 men, 37 women, total 59.

8. Professor Kirk—Modern Social Problems. Spring term, three hours a week.

23 men, 40 women, total 63.

EMPLOYMENT MANAGERS' TRAINING COURSE

PROFESSOR JACOBSTEIN

- War Emergency Course. Six weeks' course. Nine hours daily.
- | | |
|---------------|-----------------------------|
| Third course. | 12 men, 27 women, total 39. |
|---------------|-----------------------------|

ENGLISH

Courses in Rhetoric and Public Speaking.

1. Professor Slater, Dean Munro, Assistant Professor Chase and Assistant Professor Curtiss—Freshman Rhetoric. Three hours a week throughout the year, six sections.

Autumn term.	124 men, 83 women, total 207.
Winter term.	152 men, 79 women, total 231.
Spring term.	134 men, 79 women, total 213.
3. Professor Slater—Familiar Essays. Autumn term, two hours a week.

14 women.

5. Professor Slater—Short Story Writing. Spring term,
two hours a week.
1 man, 8 women, total 9.
6. Assistant Professor Curtiss—Public Speaking. Winter
term, two hours a week.
15 men.
10. Professor Slater—Oral Interpretation. Winter term,
two hours a week.
14 women.

Courses in English Literature.

1. Professor Slater and Assistant Professor Chase—
Sophomore English. Three hours a week
throughout the year. Autumn term, two sec-
tions, winter and spring terms, three sections.
Autumn term. 71 women.
Winter term. 44 men, 69 women, total 113.
Spring term. 50 men, 68 women, total 118.
4. Professor Slater—Shakspeare. Winter and spring
terms, three hours a week.
Winter term. 15 men, 46 women, total 61.
Spring term. 22 men, 40 women, total 62.
7. Assistant Professor Chase—Eighteenth Century Poets.
Autumn term, three hours a week.
9 women.
8. Assistant Professor Chase—Nineteenth Century Poets.
Autumn term, three hours a week.
48 women.
9. Assistant Professor Chase—Nineteenth Century Poets.
Winter term, three hours a week.
8 men, 43 women, total 51.
10. Professor Slater—Browning. Spring term, three
hours a week.
10 men, 38 women, total 48.

12. Assistant Professor Chase—American Literature.
Autumn term, three hours a week.
3 men, 39 women, total 42.
14. Professor Slater—Teachers' Course. Spring term,
three hours a week. 19 women.
15. Assistant Professor Chase—Contemporary Poetry.
Winter term, two hours a week.
1 man, 16 women, total 17.
16. Assistant Professor Chase—Poe. Spring term, two
hours a week, two sections.
13 men, 2 women, total 15.

GEOLOGY

PROFESSOR FAIRCHILD AND ASSISTANT PROFESSOR CHADWICK

1. General Geology. Two one-hour periods and one
afternoon (for field or laboratory) a week
throughout the year.
36 men, 41 women, total 77.
2. Mineralogy. Assistant Professor Chadwick, assisted
by Mr. Alling. Winter term, five hours a week.
7 men.
7. Economic Geology. Spring term, three hours a week.
Spring term, three hours a week. 7 men.
- *Special Geology. Autumn term, three hours a week.
8 men.

GERMAN

1. Professor King and Mr. Bryne—Elementary German.
Three hours a week throughout the year.
Autumn term. 7 women.
Winter term. 2 men, 7 women, total 9.
Spring term. 2 men, 7 women, total 9.
*Special S. A. T. C. course.

2. Mr. Bryne—Intermediate German. Three hours a week throughout the year, two sections.
 Autumn term. 24 women.
 Winter term. 8 men, 24 women, total 32.
 Spring term. 6 men, 23 women, total 29.
3. Professor King—Advanced German. Three hours a week throughout the year, two sections.
 Autumn term. 20 women.
 Winter term. 12 men, 19 women, total 31.
 Spring term. 9 men, 19 women, total 28.
4. Professor King—Composition for Advanced Students.
 Three hours a week throughout the year.
 1 man, 2 women, total 3.
- *Special German—Professor King. Autumn term.
 7 men.

GREEK

PROFESSOR KENDRICK

1. Xenophon's Memorabilia. Autumn term, three hours a week. 1 man, 14 women, total 15
 2. Euripides, Iphigenia. Winter term, three hours a week. 2 men, 14 women, total 16.
 3. Plato's Apology. Spring term, three hours a week. 2 men, 13 women, total 15.
 5. Plato's Protagoras. Winter term, three hours a week. 4 men.
 6. Greek New Testament. Spring term, three hours a week. 6 men.
 11. Greek Archaeology. Winter term, three hours a week. 9 women.
 12. Greek Master Thoughts. Spring term, three hours a week. 10 men, 17 women, total 27.
- *Special S. A. T. C. course.

13. Elementary Greek, Xenophon and Homer. Six hours a week throughout the year.

Autumn term. 10 women.

Winter term. 2 men, 8 women, total 10.

Spring term. 3 men, 8 women, total 11.

THE HISTORY OF ART

1. Mr. von der Lancken—Italian Art. Three hours a week throughout the year.

Autumn term. 18 women.

Winter term. 9 women.

Spring term. 10 women.

2. Mr. von der Lancken—Art of France and England.

Autumn and winter terms, three hours a week.

Autumn term. 3 women.

Winter term. 7 women.

HISTORY AND POLITICAL SCIENCE

1. Assistant Professors West and Scott—Introduction to the History of Western Europe. Three hours a week throughout the year. Autumn term, two sections. Winter and spring terms, four sections.

Autumn term. 67 women.

Winter term. 100 men, 65 women, total 165.

Spring term. 99 men, 67 women, total 166.

2. Assistant Professor West—The History of England.

Three hours a week throughout the year.

Autumn term. 4 men, 8 women, total 12.

Winter term. 11 men, 7 women, total 18.

Spring term. 9 men, 6 women, total 15.

- 2a. Assistant Professor Scott—The History of the United States. Three hours a week throughout the year.
- | | |
|--------------|-----------------------------|
| Autumn term. | 3 men, 33 women, total 36. |
| Winter term. | 12 men, 30 women, total 42. |
| Spring term. | 13 men, 31 women, total 44. |
6. Assistant Professor West—The History of European Diplomacy. Three hours a week throughout the year.
- | | |
|--------------|---------------------------|
| Autumn term. | 4 men, 7 women, total 11. |
| Winter term. | 3 men, 7 women, total 10. |
| Spring term. | 3 men, 8 women, total 11. |
8. Professor Morey—American Constitutional Law. Autumn term, three hours a week. 7 women.
10. Professor Morey—International Law and Diplomacy. Winter term, recitations three hours a week, with extra private work relating to the diplomatic history of the United States, with credit for five hours. 10 men, 7 women, total 17.

LATIN

1. Assistant Professor Miller—Livy. Autumn term, three hours a week, two sections.
- | | |
|--|----------------------------|
| | 4 men, 51 women, total 55. |
|--|----------------------------|
2. Professor Hoeing and Assistant Professor Miller—Horace's Odes. Winter term, three hours a week, three sections.
- | | |
|--|-----------------------------|
| | 22 men, 48 women, total 70. |
|--|-----------------------------|
3. Professor Hoeing and Assistant Professor Miller—Horace's Satires. Spring term, three hours a week, three sections.
- | | |
|--|-----------------------------|
| | 22 men, 46 women, total 68. |
|--|-----------------------------|

4. Professor Hoeing—Tacitus's *Agricola* and *Germania*.
Autumn term, three hours a week. 9 women.
5. Assistant Professor Miller—Roman Comedy. Winter
term, three hours a week. 1 man, 9 women, total 10.
6. Assistant Professor Miller—Pliny's *Letters*. Spring
term, three hours a week. 2 men, 9 women, total 11.
8. Assistant Professor Miller—Roman Philosophy. Au-
tumn term, three hours a week. 8 women.
9. Professor Hoeing—Virgil: *Eclogues* and *Georgics*,
winter term, three hours a week. 2 men, 7 women, total 9.
12. Professor Hoeing—Tibullus and Propertius. Spring
term, three hours a week. 3 men, 9 women, total 12.
15. Professor Hoeing—Latin Epigraphy. Autumn term,
three hours a week. 2 women.
16. Professor Hoeing—Latin Palaeography. Winter term,
two hours a week. 2 women.
17. Assistant Professor Miller—Teachers' Course. Winter
term, five hours a week. 1 man, 8 women, total 9.
18. Assistant Professor Miller—Advanced Composition.
Spring term, two hours a week. 1 man, 8 women, total 9.

MATHEMATICS

1. Professor Gale, Professor Watkeys, Assistant Profes-
sor Weiss, Mr. Eshleman and Mrs. Watkeys—

Freshman Mathematics. Three hours a week throughout the year, six sections.

Autumn term (men Special S. A. T. C. Mathematics) 112 men, 79 women, total 191.

Winter term. 112 men, 69 women, total 181.

Spring term. 94 men, 67 women, total 161.

2. Professor Gale—Analytic Geometry and Calculus.

Three hours a week throughout the year.

Autumn term. 6 men, 8 women, total 14.

Winter term. 5 men, 8 women, total 13.

Spring term. 5 men, 8 women, total 13.

3. Professor Watkeys—Analytic Geometry. Autumn term, five hours a week. 20 men.

4. Professor Watkeys—Differential and Integral Calculus. Winter and spring terms, five hours a week.

Winter term. 28 men.

Spring term. 23 men.

7. Mr. Eshleman—Differential Equations. Spring term, three hours a week. 18 men.

8. Professor Gale—Teachers' Course. Three hours a week throughout the year.

Autumn term. 14 women.

Winter term. 11 women.

Spring term. 11 women.

9. Professor Watkeys—Mathematics of Investments, Life Insurance and Statistics. Three hours a week throughout the year.

Autumn term 1 woman.

Winter and spring terms.

2 men, 1 woman, total 3.

Professor Gale—*Trigonometry Special. Autumn term, one hour a week. 14 men.

*Special S. A. T. C. course.

Professors Gale and Watkeys—*Map Reading and Navigation. Autumn term, four hours a week. 12 men.

Professor Watkeys—Analytic Geometry. Winter term, three hours a week. 17 men.

MECHANICAL ENGINEERING

APPLIED MECHANICS—ASSISTANT PROFESSOR WEISS.

1. Statics and Kinematics. Autumn term, five hours a week. 14 men.
2. Kinetics. Spring term, five hours a week. 10 men.
3. Mechanics of Materials. Autumn term, five hours a week. 4 men.
4. Problems in Mechanics. Autumn term, one three-hour period a week. 4 men.

DRAWING

1. Assistant Professor Price—Elementary Drawing. Autumn term, two three-hour periods a week. 33 men.
2. Assistant Professor Weiss—Elementary Drawing. Winter term, two three-hour periods a week. 15 men.
3. Assistant Professor Price—Descriptive Geometry. Winter and spring terms, two three-hour periods a week. 27 men.
4. Assistant Professor Weiss—Descriptive Geometry. Spring term, two three-hour periods a week. 13 men.
5. Professor Ernsberger—Machine Drawing. Autumn term, two three-hour periods a week. 7 men.

*Special S. A. T. C. course.

MACHINE DESIGN

1. Assistant Professor Weiss—Kinematics of Machinery.
Winter term, three hours a week. 14 men.
2. Assistant Professor Weiss—Kinematic Drawing. Win-
ter term, two three-hour periods a week. 14 men.
3. Assistant Professor Price—Machine Element Design.
Autumn and winter terms, two three-hour
periods a week. 5 men.
4. Assistant Professor Price—Machine Design. Two
hours a week throughout the year.
Autumn term. 1 man.
Winter term. 1 man.
Spring term. 5 men.
5. Assistant Professor Price—Drawing and Design.
Two three-hour periods a week throughout the
year.
Autumn term. 1 man.
Winter term. 1 man.
Spring term. 5 men.
6. Assistant Professor Price—Structural Design. Spring
term, two hours a week. 1 man.
7. Assistant Professor Price—Structural Drawing. Spring
term, two three-hour periods a week. 1 man.

HYDRAULICS—PROFESSOR ERNSBERGER

1. Hydrostatics and Hydrokinetics. Autumn term, three
hours a week. 4 men.
2. Hydraulic Machinery. Winter term, three hours a
week. 5 men.

POWER ENGINEERING—PROFESSOR ERNSBERGER

1. Thermodynamics. Spring term, five hours a week.
7 men.
2. Heat Engines. Autumn and winter terms, three hours
a week. 1 man.
3. Power Plants. Spring term, three hours a week.
1 man.

EXPERIMENTAL ENGINEERING

2. Assistant Professor Weiss—Materials. Winter term,
three hours a week. 6 men.
3. Assistant Professor Weiss—Materials Laboratory.
Winter term, one recitation, one three-hour
period a week. 6 men.
4. Professor Ernsberger—Hydraulic Laboratory. Spring
term, one recitation, one three-hour period a
week. 5 men.
5. Professor Ernsberger—Heat Laboratory. Autumn
term, one recitation, one three-hour period a
week. 1 man.
6. Professor Ernsberger—Power Laboratory. Winter
and spring terms, one recitation, one three-hour
period a week. 1 man.

SURVEYING—ASSISTANT PROFESSOR WEISS

Spring term, two hours a week. 10 men.

MILITARY LAW

*Military Law—Mr. Clarence M. Platt—Autumn term.
51 men.

*Special S. A. T. C. course.

MUSICAL APPRECIATION

Musical Appreciation—Dean G. B. Penny. One hour
a week throughout the year. 15 women.

PHILOSOPHY

1. Assistant Professor Owens—Psychology and Logic.
Three hours a week throughout the year, two
sections.
Autumn term. 18 men, 79 women, total 97.
Winter term. 36 men, 76 women, total 112.
Spring term. 35 men, 76 women, total 111.
2. Professor Forbes—Logic. Spring term, three hours a
week. 1 man, 12 women, total 13.
3. Professor Forbes.—Ethics. Three hours a week
throughout the year.
10 men, 26 women, total 36.
4. Professor Forbes—Introduction to Philosophy. Three
hours a week throughout the year. 3 men.
6. Professor Forbes—Contemporary Philosophy. Three
hours a week throughout the year. 1 man.
9. Assistant Professors Pechstein and Owens—History
and Principles of Education. Three hours a
week throughout the year.
Autumn term. 2 men, 48 women, total 50.
Winter term. 3 men, 48 women, total 51.
Spring term. 4 men, 50 women, total 54.

PHYSICAL EDUCATION FOR MEN

DOCTOR FAUVER AND MR. WHITING

Autumn Term. Daily setting up drills and intercom-
pany athletics. 248 men.

Physical work for men not in S. A. T. C. three hours a week.	19 men.
Varsity football (four games)	30 men.
Winter Term. Physical work for freshmen and sophomores, three hours a week in class work, five sections.	205 men.
Varsity basketball (Mr. Neary, coach)	12 games.
	11 men.
Intramural basketball, 29 games.	70 men.
Interclass games 7.	29 men.
Handball tournament.	14 men.
Spring Term. Freshmen and Sophomore Class work three hours a week.	90 men.
Track athletics (Mr. Lee, coach) six meets are scheduled.	68 men.
Varsity baseball, seven games scheduled.	41 men.

PHYSICAL EDUCATION FOR WOMEN

MISS ANDERSON

As a result of the physical examinations given to 145 women in the fall, 22 Freshmen and 10 Sophomores were recommended for light work; to these groups special exercises were given, posture training classes once a week, and a weekly report handed in by each girl telling the amount of rest, exercise, and general health.

For spring term, systematic walking in groups and health record is required.

During the fall and winter terms 61 Freshmen and 50 Sophomores reported regularly for class work, three hours a week in four sections. During the spring term 59 Freshmen and 43 Sophomores are taking one hour of swimming

with instruction in strokes and resuscitation drill, one hour of dancing, and one of games including tennis, volley ball, and baseball.

A voluntary dancing class for Juniors and Seniors taught by Miss Salzer once a week with an average attendance of 10.

Swimming for Juniors and Seniors with instruction one hour a week through the three terms with an average attendance of 18. Special emphasis is made on correct form in swimming, and a chart kept of the progress of each girl.

Special talks on hygiene given to entering students and through the year.

A series of interclass basketball games, and indoor gymnastic demonstration, tennis tournament and Spring Day festival came under the direction of this department.

A short course for Seniors in school room gymnastic teaching including practice teaching, six hours in spring term. Special lectures have been given on the Health of the School Child and Community Entertainment.

WAR EMERGENCY COURSE ON EMPLOYMENT MANAGEMENT

PHYSICAL TRAINING

As a result of physical examinations given to 27 women, 23 took regular work four hours a week for five weeks from Sept. 17 to Oct. 21.

PHYSIOLOGY

1. Professor Murlin. (Given in 1918-19 by Assistant Professor Givens and Doctor McClugage.) Principles of Human Physiology. Two lectures,

demonstrations, or recitations a week throughout the year.

Autumn term.	1 man, 14 women, total 15.
Winter term.	15 women.
Spring term.	14 women.

PHYSICS

1. Professor Lawrence and Assistant Professor Fairbanks—Elementary course for men, autumn term, three sections; winter and spring terms, two sections. Two lectures and recitations and two three-hour laboratory periods a week throughout the year.

Autumn term.	70 men.
Winter term.	34 men.
Spring term.	38 men.
1. Special (special Section for students making up work of autumn term)—Assistant Professor Fairbanks. Two lectures and two laboratory periods of three hours each.

Winter term.	10 men.
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- 4a, 4b. Professor Lawrence and Assistant Professor Fairbanks—Physical Measurements. Winter term.
 - 4a. Two three-hour laboratory periods a week.

5 men.

 - 4b. One four-hour laboratory period a week.

5 men.

- 5a, 5b. Professor Lawrence and Assistant Professor Fairbanks—Physical Measurements. Spring term.
 - 5a. Two three-hour laboratory periods a week.

5 men.

 - 5b. One four-hour laboratory period a week.

4 men.

6. Professor Lawrence—Electrical Engineering.

Autumn term, two three-hour laboratory periods
a week. 3 men.

Winter term, two lectures, one three-hour labora-
tory period a week. 3 men.

Spring term, two lectures, one three-hour labora-
tory period a week. 3 men.

ROMANCE LANGUAGES

FRENCH

1. Professor Moore, Mr. Bryne and Miss Lograsso—Elementary French. Three hours a week throughout the year, five sections autumn term, six sections winter and spring terms.

Autumn term. 61 men, 75 women, total 136.

Winter term. 139 men, 72 women, total 211.

Spring term. 117 men, 72 women, total 189.

- *1. Special. Professor Moore and Mr. Bryne. Elementary French. Three or two hours a week during the autumn term; little or no preparation required, demanded by the exigencies of the S. A. T. C.

Autumn term. 77 men.

2. Assistant Professor Carron—Intermediate French. Three hours a week throughout the year, four sections.

Autumn term. 17 men, 58 women, total 75.

Winter term. 22 men, 58 women, total 80.

Spring term. 22 men, 57 women, total 79.

- *2. Special. Assistant Professor Carron and Mr. Bryne. Three or two hours a week during the autumn term; little or no preparation required.

Autumn term. 22 men.

*Special S. A. T. C. course.

4. Professor Moore—French Novel and Lyric Poetry.
Three hours a week throughout the year.

Autumn term. 2 men, 27 women, total 29.

Winter term. 3 men, 27 women, total 30.

Spring term. 3 men, 29 women, total 32.

5. Assistant Professor Carron—Advanced Composition and Conversation. Two hours a week throughout the year.

Autumn term, 1 man, 30 women, total 31.

Winter term. 5 men, 26 women, total 31.

Spring term. 7 men, 25 women, total 32.

6. Assistant Professor Carron—French Classics. Three hours a week throughout the year.

Autumn term. 2 women.

Winter term. 2 women.

Spring term. 2 men, 2 women, total 4.

ITALIAN—PROFESSOR MOORE

2. Classic Prose and Poetry. Two hours a week throughout the year. 2 men, 3 women, total 5.

SPANISH—PROFESSOR MOORE

1. Elementary Spanish. Three hours a week throughout the year.

Autumn term. 4 men, 44 women, total 48.

Winter term. 4 men, 42 women, total 46.

Spring term. 4 men, 41 women, total 45.

WAR ISSUES

- *War Issues—Assistant Professors West and Scott. Three hours a week throughout the year.

Autumn term. 249 men.

Winter term. 50 men.

Spring term. 43 men.

*Special S. A. T. C. course.

EXTENSION COURSES

- Art EC—1b—General Lectures. Mr. von der Lancken.
9 women.
- Education. Assistant Professor Owens.
EC—2a—Psychology with special reference to its
relations. 2 men, 6 women, total 8.
EC—3b—Continuation of EC—2a.
2 men, 6 women, total 8.
- English EC—2a—Nineteenth Century Literature. Assistant
Professor Chase.
1 man, 11 women, total 12.
EC—2b—Continuation of EC—2a. Assistant Pro-
fessor Chase. 8 women.
EC—3a—American Literature. Assistant Pro-
fessor Chase. 1 man, 11 women, total 12.
EC—3b—Continuation of EC—3a. Assistant Pro-
fessor Chase. 16 women.
EC—4a—English Composition. Professor Slater.
4 men, 8 women, total 12.
EC—4b—Continuation of EC—4a. Professor
Slater. 6 men, 12 women, total 18.
Modern English Literature. Professor Slater.
1 man, 10 women, total 11.
Public Speaking. Professor Slater.
5 men, 6 women, total 11.
- French. Assistant Professor Carron. Three sections, two
hours a week each section.
1st term. 3 men, 33 women, total 36.
2d term. 3 men, 7 women, total 20.
- History EC—1ab—Issues of the War. Assistant Pro-
fessor West.
1st term, two sections.
7 men, 41 women, total 48.
2d term, one section. 3 men, 21 women, total 24.

Mathematics EC—1ab—Teachers' Course. Professor Watkeys.

1st term. 6 men, 6 women, total 12.

2d term. 3 men, 6 women, total 9.

Music EC—1ab—Musical Appreciation. Professor Penny.
32 women.

The University of Rochester

REPORT OF THE TREASURER

FOR THE

FISCAL YEAR ENDING JUNE 30, 1919

TREASURER

Kingman N. Robins
912 Granite Building
Rochester, New York

ASSISTANT TREASURER

Rush Rhees (President of the University) ex-officio

Assistant to the Treasurer

Agnes E. Smith
The University of Rochester

FISCAL AGENTS

Security Trust Company
Rochester, New York

AUDITORS

Messrs. Naramore and Niles, Public Accountants and Auditors,
84 Exchange Street,
Rochester, New York

To the Board of Trustees, The University of Rochester:

Following the precedent established last year, the preliminary statement of the financial condition of the University as of June 30, 1919, which is before you, may be supplemented by the following remarks:

First: The only securities in default either as to principal or interest are \$10,000 Imperial Russian Bonds, which fell due June 18, 1919, and which are now in the hands of a protectorate.

Second: The income from the investments in the Permanent Fund is approximately the same as last year. This income, of course, cannot be materially increased except as the average rate of interest on the investments in the Fund shows an increase owing to a change in the general level of interest rates. Such a change during the last two or three years, however, has been responsible for an increase in the income on this Fund during the last two years of nearly \$2,000.00. As stated last year, a large proportion of the Permanent Fund is invested in 5% local mortgages, and it has not been considered expedient to raise the interest rate on these. Another large part of the Fund is in the form of long term bonds, which cannot be converted to advantage, so that there is a comparatively small opportunity for a change either up or down in the income rate on the Permanent Fund.

Third: The income from the investments in the Ross Fund shows an increase of \$7,885.88 over last year. This is the result of a full year's operation of the investment policy pursued in investing the Ross Fund, which has made use of the opportunities existing during the year for profitable investment. During the year, the Finance Committee has taken the position that, to a large extent, the high rate, short term investments held in the Ross Fund should be converted into long term bonds bearing interest rates attractive in the light of past experience and at prices equally attractive. In accordance with this decision of the Finance Committee, the greater part of the short term investments of the Ross Fund has been converted into comparatively long term securities. The result will presumably be a drop in the earning power

of the Fund as compared with last year, but it is hoped that this policy will result in a higher average earning power during the next few years than would be enjoyed if the conversion of these short term securities had been longer deferred.

Fourth: The average earning power on an amortized basis of the securities purchased during the fiscal year was as follows:

Short term notes—University	\$ 45,000.00	6.07%
Short term notes—Ross	122,500.00	6.56%
<hr/>		
Short term notes general average	\$167,500.00	6.45%
Long term bonds—University	\$ 90,000.00	6.00%
Long term bonds—Ross	163,000.00	5.78%
<hr/>		
Long term bonds general average	\$253,000.00	5.86%
Liberty bonds—University	31,150.00	4.34%
Liberty bonds—Ross	\$30,000.00	4.33%

The general average income return on investments purchased during the year was 5.86, as compared with 6.40 for the previous year, and 5.7 the year before. This bears out the conclusion in the third paragraph that we have passed the peak of our earning capacity, but that the earning rate on the securities purchased during the year is still above normal levels. This is shown by the fact that the average earning rate on the entire Permanent Fund is 5.04 and on the entire Ross Fund 5.42. This general average of 5.86 for 1918-1919 is made up by combining the average rate for the University Funds of 5.69 and for the Ross Funds of 5.94.

Fifth: For reasons explained last year, there is little opportunity to increase the Premium Account Fund carried in connection with the Permanent Fund, but the transactions for the year in connection with this Fund show a profit of \$1,402.24.

The Premium Account earnings in the Ross Fund were much more interesting, amounting to \$4,944.78 for the year. These premiums arose chiefly from the process of conversion of short term into comparatively long term securities, which resulted in the taking of a profit over the purchase price of most of these short term securities.

Since this report is written several days before the closing of the fiscal year, there may be some adjustments in the figures above quoted, but they are approximately correct. For the reason that the preliminary statement of income and outgo for the year is not completed at the date of this writing, remarks on this statement are omitted from this report, but the situation will be covered by the President's Report.

Respectfully submitted,
KINGMAN N. ROBINS,
Treasurer.

Rochester, New York,
June 12, 1919.

General Balance Sheet

June 30, 1919

PERMANENT FUNDS

PRODUCTIVE ASSETS

Real Estate Loans (Exhibits A, B and C)	\$691,726.11
Government, Municipal and Corporation Bonds and Stocks (Exhibits A, B and C at par value)	977,987.68
Real Estate	16,172.40
Call Loan Account	700.00
Note Receivable	1,000.00
Cash Balance in Permanent Fund.....	3,026.48

\$1,690,612.67

NON-PRODUCTIVE ASSETS

Campus, Athletic Field, Grandstand	370,171.86
University Buildings:	
Alumni Gymnasium	\$31,531.26
Anderson Hall	47,538.64
Anthony Memorial Building	58,763.53
Carnegie Building	119,905.59
Catharine Strong Hall	112,713.41
Eastman Laboratories and Furniture	96,202.01
Heating Plant	89,420.10
Kendrick Hall	34,534.50
Memorial Art Gallery	167,200.00
President's House	29,721.45
Prince Street Gateway	2,243.24
Reynolds Laboratory	84,467.50
Sibley Hall	117,880.11
	992,121.34
Eastman School of Music Properties:	
Gibbs and Swan Streets Real Estate	\$381,000.00
No. 47 Prince Street Real Estate	28,000.00
	409,000.00
Art Collections	43,112.51
Apparatus:	
Biological	\$ 8,995.92
Chemical	10,880.09
Geological	1,422.89
Physical	24,786.44
Psychological	838.04
	46,923.38
Furniture	11,418.10
Libraries:	
University Library	\$123,073.74
Catharine Strong Hall Library	499.97
	123,573.71
Museums:	
Geological	\$40,110.75
Zoological	789.31
	40,900.06
Accumulated Current Expense Deficit (Contra):	
Deficit June 30, 1918	\$40,547.74
Deficit July 1, 1918 to July 1, 1919	7,176.70
	47,724.44
Total Deficit June 30, 1919	

Total \$3,775,558.07

LEWIS P. ROSS FUND

PRODUCTIVE ASSETS

Real Estate Loans (Exhibits A and B)	\$ 33,000.00
Government, Municipal and Corporation Bonds (Exhibits A, B and C at par value)	767,972.50
Stocks (Taken over from Estate at Inventory Price) (Exhibit A)....	43,400.00
Cash on hand July 1, 1919	3,969.65

NON-PRODUCTIVE ASSETS

Ross Physiological Laboratory Equipment	10,392.94
Total	\$858,735.09

General Balance Sheet

June 30, 1919

PERMANENT FUNDS

LIABILITIES

General Fund		\$680,942.58
Endowment Fund of 1912*		926,810.00
Building Funds:		
Alumni Gymnasium	\$ 20,144.74	
Anderson Hall	40,000.00	
Anthony Memorial Building	58,427.53	
Carnegie Building	100,000.00	
Catharine Strong Hall	101,200.00	
Eastman Laboratories and Furniture	103,105.40	
Heating Plant	29,003.99	
Kendrick Hall	24,314.50	
Memorial Art Gallery	167,200.00	
President's House	31,084.70	
Prince Street Gateway	1,782.00	
Reynolds Laboratory	28,000.00	
Sibley Hall	114,917.73	
Eastman School of Music Building Account		819,180.59
Educational Endowment Funds:		409,000.00
Applied Science Fund	\$101,328.00	
Jesse L. Rosenberger Lectureship Fund	2,500.00	
Morgan Women's Education Fund	80,000.00	
Professorship Fund	227,769.09	
Women's Education Fund of 1900	10,126.67	
		421,723.76
Library Funds:		
Charles M. Williams Fund	\$ 1,000.00	
Harkness Scientific Fund	1,500.00	
Jesse L. Rosenberger Fund	1,000.00	
Milo G. Kellogg Fund	30,000.00	
Rathbone Fund	25,000.00	
Sage Fund	5,000.00	
S. S. Terry Fund	2,500.00	
Willard Fund	1,000.00	
Willard Abbott Fund	5,000.00	
William S. Ely Fund	2,500.00	
Special Library Endowment (\$45,000.00 conditional)	73,000.00	
		147,500.00
Scholarship, Prize and Loan Funds:		
President's Loan Fund	\$ 535.31	
Prize Fund	19,500.00	
Scholarship Fund	86,693.16	
Women's Scholarship Fund	14,000.00	
		120,728.47
Special Funds:		
Agricultural Improvement Association Fund	\$10,000.00	
Anderson Alumni Fund	27,674.76	
Class of 1906—Alumni Council Fund	562.43	
Morgan Natural History Fund	3,000.00	
Ward Cabinet Fund	28,248.06	
		69,485.25
Libraries:		
University Library	\$123,073.74	
Catharine Strong Hall Library	499.97	
		123,573.71
Premium Account		8,889.27
Accumulated Current Expense Deficit (Contra):		
Deficit June 30, 1918	\$40,547.74	
Deficit July 1, 1918 to July 1, 1919	7,176.70	
Total Deficit June 30, 1919		47,724.44
Total		\$3,775,558.07

LEWIS P. ROSS FUND

Total Fund July 1, 1919:		
Received from sale of Ross House	\$ 29,950.00	
Received from Executors of Estate	812,102.11	
Ross Physiological Laboratory Equipment Fund	10,392.94	
Premium Account	6,290.04	

Total \$858,735.09

*Exclusive of Ely, Kellogg and Harkness Library Funds.

Permanent Fund Account for 1918-1919

DISBURSEMENTS

July 1, 1918 to July 1, 1919

Invested:			
Real Estate Mortgages (Exhibit B)	\$	20,800.00	
Government, Municipal and Corporation Bonds (Exhibit B at par value)		114,331.25	
Bonds held for Conditional Library Endowment		45,000.00	
Real Estate		1,000.00	
			\$181,131.25
Apparatus:			
Physical	\$	144.74	
Psychological ..		258.49	
			403.23
Buildings and Grounds:			
Anderson Hall	\$	122.00	
Athletic Field		4,097.98	
Carnegie Building		280.22	
Grandstand		7,176.09	
Heating Plant		234.43	
Reynolds Laboratory		205.27	
Sibley Hall		329.27	
			12,445.26
Eastman School of Music Properties:			
Gibbs and Swan Streets Real Estate	\$	381,000.00	
No. 47 Prince Street		28,000.00	
			409,000.00
President's Loan Fund			20.00
Premium Account			170.26
			\$603,170.00
Cash on hand July 1, 1919			4,026.48
Total			\$607,196.48

LEWIS P. ROSS PERMANENT FUND

DISBURSEMENTS

July 1, 1918 to July 1, 1919

Invested:			
Real Estate Mortgages (Exhibit B)	\$	8,000.00	
Government, Municipal and Corporation Bonds (Exhibit B at par value)		310,831.03	
Ross Physiological Laboratory Equipment		10,392.94	
Premium Account		281.25	
			\$329,505.22
Cash on hand July 1, 1919			3,969.65
Total			\$333,474.87

Permanent Fund Account for 1918-1919

RECEIPTS

July 1, 1918 to July 1, 1919

Balance on hand July 1, 1918		\$ 14,864.05
Securities sold and paid off:		
Real Estate Mortgages (Exhibit C)	\$ 41,775.00	
Government, Municipal and Corporation Bonds (Exhibit C at par value)	94,237.50	
	<u>136,012.50</u>	\$136,012.50
Gifts and Bequests:		
Eastman School of Music Building Account	\$409,000.00	
Endowment Fund of 1912	5.00	
Jesse L. Rosenberger Lectureship Fund	500.00	
Kendrick Hall Fund	160.00	
Conditional Library Endowment	45,000.00	
	<u>454,665.00</u>	454,665.00
Class of 1906—Alumni Council Fund (Interest added)....		62.43
Repaid on President's Loan Fund		20.00
Premium Account		1,572.50
		<u>592,332.43</u>

Total \$607,196.48

LEWIS P. ROSS PERMANENT FUND

RECEIPTS

July 1, 1918 to July 1, 1919

Balance on hand July 1, 1918		\$ 18,059.67
Received from sales and maturities of bonds (Exhibit C at par value)	\$299,796.23	
Ross Physiological Laboratory Equipment Fund	10,392.94	
Premium Account	5,226.03	
	<u>315,415.20</u>	315,415.20

Total \$333,474.87

Current Fund Account for 1918-1919

DISBURSEMENTS

July 1, 1918 to July 1, 1919

Deficit July, 1918			\$40,547.74
Salaries		\$119,774.77	
Emergency Course for Employment Managers		1,060.04	
Special Bonus to Faculty		6,920.00	
Fiscal Agents		500.00	
Buildings and Grounds:			
General:			
Assessments	\$ 1,130.29		
Heat	17,864.28		
Insurance	1,454.72		
Light and Power	3,310.24		
Miscellaneous	1,029.68		
		\$24,789.21	
Specific:			
Alumni Gymnasium	\$ 201.04		
Anderson Hall	456.72		
Anthony Memorial Building	225.34		
Athletic Field and Grandstand	532.64		
Campus	1,861.63		
Catharine Strong Hall	356.89		
Carnegie Building	182.18		
Eastman Laboratories	113.01		
Heating Plant	427.23		
Kendrick Hall	276.53		
Kendrick Hall (Special)	5,000.00		
President's House	273.86		
Reynolds Laboratory	372.64		
Sibley Hall	428.69		
		10,708.40	
			35,497.61
Supplies:			
Administrative:			
Advertising	\$ 389.22		
Office Supplies	251.94		
Public Functions	1,739.13		
Stationery, Printing and Postage	1,310.95		
Traveling Expenses	703.19		
University Bulletins	350.00		
		\$4,744.43	
Departments:			
Biology	\$ 324.59		
Chemistry	3,591.89		
Geology	79.74		
Gymnasium	59.96		
Library	311.14		
Mechanical Engineering	207.12		
Miscellaneous	1,058.08		
Physics	397.62		
Physiology	6,948.45		
Strong and Anthony	137.94		
		13,116.53	
			17,860.96
Annuities			845.32
Books for Library (Exhibit E)			3,511.65
Eastman School of Music (Payments less rents)			1,706.31
Interest			2,354.07
Lunch Room (Payments less receipts)			2,330.04
Miscellaneous Expense			1,215.32
Prizes			270.00
Repairs and Taxes on Rented Property			656.10
Charges carried over from previous years now disbursed:			
General Catalogue	\$ 360.00		
Applied Science Printing	350.00		
Coal supply carried over from 1917-1918..	2,500.00		
		3,210.00	
			197,712.19
Total			\$238,259.93

LEWIS P. ROSS CURRENT FUND

DISBURSEMENTS

July 1, 1918 to July 1, 1919

Proportion of income paid to Mechanics Institute		\$12,000.00	
Proportion of income paid to The University of Rochester ..		18,000.00	
Expense Items:			
Annuities	\$ 800.00		
Administration Expense	2,000.00		
Extension Division	9,765.51		
		12,565.51	
Balance on hand July 1, 1919			\$42,565.51
			11,867.46
Total			\$54,432.97

Current Fund Account for 1918-1919

RECEIPTS

July 1, 1918 to July 1, 1919

Interest and Dividends	\$82,113.57	
Rented Property	510.00	
Deferred Tuition Payments	1,594.21	
Appropriation from L. P. Ross Income	18,000.00	
Appropriation from L. P. Ross Income for Administration Expense	2,000.00	
Tuition (Exhibit D)	75,964.36	
Dormitory Rental	2,018.25	
Extension Courses	145.50	
Miscellaneous Receipts	1,660.76	
		\$184,006.65

Carnegie Foundation Fund	\$3,786.70
Credit to Heat and Light (Memorial Art Gallery)	1,350.00
Received for Military Uniforms (1917-1918) ..	146.45
Received for Riding (1917-1918)	21.00

Gifts:

On Salary Account:

Mrs. James S. Watson	\$200.00
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For Current Expenses:

Mr. F. R. Welles	500.00
Mr. W. H. Shaffer	25.00

For Library (Exhibit E):

Bibliography Class	7.50
History Classes	311.00
Mrs. James S. Watson	16.00
Mr. Hiram W. Sibley	40.19

For Biological Department:

Dr. H. R. Brown	100.00
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For Prizes:

Dr. Ira S. Wile	25.00
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1,224.69

6,528.84

Deficit in Current Expenses:

July 1, 1918	\$40,547.74	\$190,535.49
July 1, 1918 to July 1, 1919	7,176.70	
		47,724.44

Total \$238,259.93

LEWIS P. ROSS CURRENT FUND

RECEIPTS

July 1, 1918 to July 1, 1919

Balance on hand July 1, 1918	\$ 8,525.55
Income from Interest and Dividends	45,907.42

Total \$54,432.97

Exhibit A

Schedule of Securities Held

PERMANENT FUND

Real Estate Mortgages				\$691,726.11
Bonds—				
Domestic Public Debt—	Maturity	Amount	Rate	
Coos Bay, Port of, Oregon, Series B	Jan 1953	\$ 1,000	5%	
East Lake, Town of, Alabama	Dec. 1921	10,000	5%	
Second Liberty Loan	Nov. 1942	\$25,100	4½%	
Second Liberty Loan	Nov. 1942	100	4%	
Third Liberty Loan	Sep. 1928	150	4½%	
Fourth Liberty Loan	Oct. 1938	800	4½%	
Victory Liberty Loan	May 1923	5,000	4½%	
				42,150.00
Anglo-French 5 yr. exter. loan.....	Oct. 1920	\$25,000	5%	
Argentine, National Gov't of the....	May 1920	5,000	6%	
Calgary Protestant Public School Dist.				
No. 19, Alberta deb.	June 1936	5,000	5%	
Canadian Victory Loan	Nov. 1933	15,000	5½%	
Central Argentine Ry. Ltd. conv. gold				
notes	Feb. 1927	10,000	6%	
Edmonton School Dist. No. 7 Alberta				
deb.	Apr. 1953	5,000	5%	
Imperial Russian Gov't 3 yr. credit..	June 1919	10,000	6½%	
Moosejaw, City of, Sask., deb.....	July 1933	5,000	5%	
Paris, City of	Oct. 1921	10,000	6%	
Toronto, City of, Prov. of Ontario				
local imp.	July 1922	25,000	4%	
United Kingdom, Gt. Britain & Ire-				
land 5 yr. gold notes	Nov. 1921	35,000	5½%	
Vancouver, City of, B. C. local imp.				
deb.	Sept. 1927	25,000	4%	
				175,000.00
Rails—				
Alabama Gt. So. R. R. Co. 1st cons.				
Series A	Dec. 1943	\$ 5,000	5%	
Atchison and Eastern Bridge.....	July 1928	4,000	4%	
Atchison, Topeka and Santa Fe gen.				
mtge	Apr. 1995	10,000	4%	
Atlantic Coast Line R. R. Co. gen....	June 1964	15,000	4½%	
Butte, Anaconda & Pacific Ry. Co. 1st				
mtge.	Feb. 1944	5,000	5%	
Central Arkansas & Eastern R. R. Co.				
1st mtge.	July 1940	10,000	5%	
Chicago, Indiana & Southern.....	Jan. 1956	20,000	4%	
Chicago, Rock Island & Pacific ref....	Apr. 1934	25,000	4%	
Chicago Union Station Co.	July 1963	15,000	4½%	
Chicago & Western Indiana R. R. Co.	July 1952	5,000	4%	
Colorado & Southern Ry. Co. ref. and				
ext.	May 1935	25,000	4½%	
Grand Trunk Ry. Equip.	May 1921	25,000	4½%	
Houston Belt & Term. Ry. Co. 1st				
mtge.	July 1937	25,000	5%	
Joplin Union Depot Co. 1st mtge.....	May 1940	5,000	4½%	
Lexington & Eastern Ry. Co. 1st mtge.	Apr. 1965	5,000	5%	
New York Central & Hudson River				
R. R. Co. ref. & imp. mtge.	Oct. 2013	10,000	4½%	
Norfolk Southern R. R. Co. 1st &				
ref. mtge.	Feb. 1961	25,000	5%	
Southern Pacific R. R. Co. 1st ref.				
mtge.	Jan. 1955	15,000	4%	
Southern Ry. Co. dev. & gen. mtge....	Apr. 1956	35,000	4%	
St. Louis S. W. Ry. Co. 1st term. &				
unif. mtge.	Jan. 1952	25,000	5%	
Toledo Terminal R. R. Co.	Nov. 1957	11,000	4½%	
Union Terminal Co. 1st mtge.	Apr. 1942	10,000	5%	
Virginian Ry. Co. 1st mtge.	May 1962	20,000	5%	
Wisconsin Central 1st gen.	July 1949	25,000	4%	
				375,000.00
Forward				\$1,283,876.11

Exhibit A

Schedule of Securities Held

PERMANENT FUND—CONTINUED

Brought Forward				\$1,283,876.11
Public Utilities—				
Buffalo Gen. Elec. Co. 1st ref.....	Apr. 1939	\$ 5,000	5%	
California Gas & Elec. Corp. unif. & ref. mtge.	Nov. 1937	10,000	5%	
Central Hudson Gas & Elec. Co.	June 1941	10,000	5%	
Chicago Railways Co.	Feb. 1927	2,000	5%	
Cincinnati Gas & Elec. Co. 1st & ref. mtge.	Apr. 1956	5,000	5%	
Commonwealth Edison Co. 1st mtge....	June 1943	5,000	5%	
Denver Tramway Power Co. 1st mtge. imp. gold bonds	Apr. 1923	3,000	5%	
Great Western Power Co. 1st mtge....	July 1946	10,000	5%	
Hydraulic Power ref. & imp. bonds....	Oct. 1951	5,000	5%	
Laclede Gas Light Co. 1st mtge. col. & ref. bonds	Jan. 1929	10,000	7%	
Louisville Gas & Elec.	June 1923	5,000	7%	
Montana Power Co. 1st & ref. mtge. Series A	July 1943	10,000	5%	
Montreal Tramways Co. 1st & ref. mtge.	July 1941	25,000	5%	
New York State Railways 1st cons.	Nov. 1962	25,000	4½%	
Northern States Power Co. 1st & ref. mtge.	Apr. 1941	5,000	5%	
Northwestern Elevated R. R. Co. 1st mtge. gold	Sep. 1941	5,000	5%	
Oregon Electric Ry. Co.	May 1933	10,000	5%	
Pacific Gas & Elec. Co. gen. & ref. Series A	Jan. 1942	5,000	5%	
Pacific Light & Power Co. 1st mtge...	July 1942	7,000	5%	
Pacific Power & Light Co. 1st & ref...	Aug. 1930	5,000	5%	
People's Gas, Light & Coke Co. gen. & ref. mtge.	Dec. 1963	5,000	5%	
Peoria Ry. Co. 1st & ref. mtge.	Feb. 1926	5,000	5%	
Portland Ry. Lt. & Power Co. 1st & ref. mtge. 30 yr. sinking fund gold bonds	Feb. 1942	24,000	5%	
Rochester Gas & Elec. Co.	Mar. 1920	50,000	4½%	
Rochester Ry. & Lt. Co. 1st cons....	July 1954	50,000	5%	
San Francisco City & Co. of Municipal St. Ry.	Dec. 1943	2,500	5%	
Towanda Gas & Water Co.	Apr. 1924	2,000	5%	
Union Gas & Elec. Co. 1st mtge.	Sep. 1935	14,000	5%	
Utah Securities Corp.	Sep. 1922	10,000	6%	
Wisconsin-Minnesota Lt. & Power Co. 1st & ref.	May 1944	5,000	5%	
Industrials—				334,500.00
Bethlehem Steel P. M. bonds	July 1936	25,000	5%	
Bird & Son, Inc.	Jan. 1929	10,000	6%	
Goulds Mfg. Co. 1st mtge, sinking fund gold bonds	Apr. 1927	8,000	6%	
				43,000.00
Stocks—	Shares		Rate of last dividend	
Atchison & Eastern Bridge	42½	\$4,250	12%	
Atchison, Topeka & Santa Fe Ry. Co. Com.	200	20,000	6%	
Eastman Kodak Co. Pfd.	100	10,000	6%	
Hollister Real Estate & Bldg. Co. Pfd..	30	3,000	5%	
Lincoln National Bank of Rochester ..	10	1,000*	10%	
				38,250.00

Total..... \$1,699,626.11

*Listed on ledger as \$2,000.

Exhibit A

Schedule of Securities Held

(Continued)

LEWIS P. ROSS FUND			
Real Estate Mortgages			\$ 33,000.00
Bonds—			
Foreign Public Debt—	Maturity	Amount	Rate
Anglo-French 5 yr. ext. loan	Oct. 1920	\$25,000	5%
Canadian Victory Loan	Nov. 1933	10,000	5½%
City of Paris notes ext. loan	Oct. 1921	15,000	6%
City of Rio de Janeiro ser. ext. sec. gold bonds	May 1931	5,000	6%
Province of Ontario deb.	Mar. 1926	25,000	4%
United Kingdom, Gt. Britain & Ireland 5 yr. gold notes	Nov. 1921	35,000	5½%
United Kingdom, Gt. Britain & Ireland	Feb. 1937	25,000	5½%
Water Co. of Valparaiso, Chile, loan of 1915	Aug. 1939	14,000	6%
Winnipeg, City of, Canada, deb. ..	Oct. 1926	10,000	5%
			164,000.00
Rails—			
Chicago & Western Indiana R. R. Co. coll. gold notes	Sept. 1919	\$10,000	6%
Pennsylvania R. R. Co. gen. mtge. ...	June 1965	10,000	4½%
Pennsylvania R. R. Co. gen. mtge. ...	Dec. 1968	10,000	5%
St. Paul Union Depot Co. gold notes	Dec. 1923	10,000	5½%
Union Pacific R. R. Co. sec. gold notes	July 1928	15,000	6%
			55,000.00
Public Utilities—			
American Tel. & Tel.	Dec. 1946	\$25,000	5%
Bell Telephone of Canada Ltd. deb.	Apr. 1925	8,000	5%
Central Illinois Light Co. 1st & ref.	Apr. 1943	5,000	5%
Cincinnati Gas & Elec. Co. 1st & ref. mtge.	Apr. 1956	10,000	5%
Cleveland Elec. Illuminating Co.	Apr. 1939	25,000	5%
Clinchfield Navigation Co. 1st lien marine equip.	June 1922	5,000	5%
Clinchfield Navigation Co. 1st lien marine equip.	Dec. 1922	2,000	5%
Clinchfield Navigation Co. 1st lien marine equip.	June 1923	4,000	5%
Clinchfield Navigation Co. 1st lien marine equip.	Dec. 1923	4,000	5%
Commonwealth Edison Co.	June 1943	20,000	5%
Consolidated Gas, Elec. Light & Power Co. gen.	Feb. 1935	25,000	4½%
Consumers Power Co. 1st lien & ref.	Jan. 1936	40,000	5%
Edison Elec. Illuminating Co. of Boston	Dec. 1919	20,000	6%
Hydraulic Power Co. of Niagara Falls, N. Y. ref. & imp.	Oct. 1951	20,000	5%
Indianapolis Gas Co. 1st cons. mtge.	Oct. 1952	20,000	5%
Metropolitan Gas Corp. 1st mtge. ...	Dec. 1941	5,000	5%
Michigan Light Co. 1st & ref.	Mar. 1946	25,000	5%
Milwaukee Elec. Ry. & Lt. Co. ref. & ext.	Jan. 1931	5,000	4½%
Montana Power 1st & ref. mtge. sinking fund	July 1943	15,000	5%
Municipal Gas & Elec. Co. of Rochester	Apr. 1942	5,000	4½%
Newport News & Hampton Ry. Gas & Elec. Co. 1st & ref.	Jan. 1944	5,000	5%
Forward.....	\$293,000		\$252,000.00

Exhibit A

Schedule of Securities Held

LEWIS P. ROSS FUND CONTINUED.

Brought Forward		\$293,000		\$252,000.00
New York Telephone sinking fund deb.	Feb. 1949	18,000	6%	
Northern Ohio Traction & Lt. Co. 1st lien & ref.	Aug. 1956	10,000	5%	
Northern States Power Co. 1st & ref. mtge.	Apr. 1941	20,000	5%	
Southern California Edison Co. gen. mtge.	Nov. 1939	25,000	5%	
Southern California Edison gen. & ref.	Feb. 1944	10,000	6%	
Springfield (O.) Light, Heat & Power Co. gen. & ref. mtge.	Apr. 1933	25,000	5%	
Union Ry. Gas & Elec. gold	Jan. 1922	12,500	6%	
Utah Power & Lt. Co. 1st mtge.	Feb. 1944	25,000	5%	
Wisconsin-Minnesota Lt. & Power Co. 1st & ref.	May 1944	10,000	5%	
Domestic Public Debt—				448,500.00
Second Liberty Loan	Nov. 1942	\$25,000	4½%	
Third Liberty Loan	Sep. 1928	15,000	4½%	
Fourth Liberty Loan	Oct. 1938	25,000	4½%	
Victory Liberty Loan	May 1923	5,000	4½%	
Industrials—				70,000.00
Aluminum Co. of America	Mar. 1922	\$15,000	6%	
Aluminum Co. of America	Mar. 1923	10,000	6%	
American Tobacco Co.	Nov. 1920	10,000	7%	
Bethlehem Steel Series B.	July 1920	15,000	7%	
A. E. Staley Mfg. Co. 1st mtge.	June 1928	5,000	7%	
				55,000.00
	Shares		Rate of last dividend	
Stocks—				
Eastman Kodak Co. Pfd.	100	\$10,000	6%	
Flower City Hotel Co.	10	1,000	3%	
Great Northern Ry. Co. Pfd.	208	20,800	7%	
Pfaunder Co. Pfd.	50	5,000	6%	
Provident Loan Society Capital	20	500	4%	
				37,300.00
Total.....				\$862,800.00

AUDITORS' STATEMENT

We have examined the books and accounts of the University of Rochester for the period July 1, 1918 to July 1, 1919 and we hereby certify that the statements presented herewith are correctly prepared therefrom and represent the true condition of the various accounts.

All receipts have been accounted for and vouchers for all disbursements have been examined by us.

The amount of securities on hand as stated is in agreement with a certificate from the Security Trust Company of Rochester, N. Y. submitted to us.

NARAMORE AND NILES

Public Accountants & Auditors
84 Exchange St.,
Rochester, N. Y.

July 30, 1919.

Exhibit B

Schedule of Securities Purchased during the Fiscal Year

July 1, 1918 to July 1, 1919

PERMANENT FUND

Real Estate Mortgages					\$20,800.00
Bonds—					
Foreign Public Debt—					
Anglo-French 5 yr. ext. loan	Maturity	Amount	Rate		
Canadian Victory Loan	Oct. 1920	\$10,000	5%		
	Nov. 1933	15,000	5½%		
Rails—					25,000.00
Atlantic Coast Line R. R. Co. gen...	June 1964	\$10,000	4½%		
Chicago Union Station Co.	July 1963	15,000	4½%		
Public Utilities—					25,000.00
Hydraulic Power ref. & imp. bonds ..	Oct. 1951	\$ 5,000	5%		
Laclede Gas Light Co. 1st mtge. col.					
& ref. bonds	Jan. 1929	10,000	7%		
Louisville Gas & Elec.	June 1923	5,000	7%		
Utah Securities Corporation	Sep. 1922	10,000	6%		
Industrials—					30,000.00
Bethlehem Steel P. M. bonds	July 1936	\$25,000	5%		
Bird & Son, Inc.	Jan. 1929	10,000	6%		
Liggett & Myers Tobacco Co. 3 yr.					
gold notes	Dec. 1921	\$10,000	6%		
Swift & Co. 2½ yr. gold notes	Aug. 1921	10,000	6%		
Domestic Public Debt—					55,000.00
Second Liberty Loan	Nov. 1942	\$25,100	4½%		
Second Liberty Loan	Nov. 1942	100	4%		
Third Liberty Loan	Sep. 1928	150	4½%		
Fourth Liberty Loan	Oct. 1938	800	4½%		
Victory Liberty Loan	May 1923	5,000	4½%		
					31,150.00
					\$186,950.00

LEWIS P. ROSS FUND

Real Estate Mortgages					\$8,000.00
Bonds—					
Foreign Public Debt—					
Anglo-French 5 yr. ext. loan	Oct. 1920	\$25,000	5%		
Canadian Victory Loan	Nov. 1933	10,000	5½%		
City of Paris notes ext. loan	Oct. 1921	15,000	6%		
City of Rio de Janeiro ser. sec. gold					
bonds	May 1931	5,000	6%		
Rails—					55,000.00
Pennsylvania R. R. Co. gen. mtge ..	Dec. 1968	\$10,000	5%		
St. Paul Union Depot Co. gold notes	Dec. 1923	10,000	5½%		
Union Pacific R. R. Co. sec. gold notes	July 1928	15,000	6%		
Public Utilities—					35,000.00
Cleveland Elec. Illuminating Co.	Apr. 1939	\$20,000	5%		
Commonwealth Edison Co.	June 1943	20,000	5%		
Consumers Power Co. 1st lien & ref.	Jan. 1936	25,000	5%		
Hydraulic Power Co. of Niagara Falls,					
N. Y. ref. & imp.	Oct. 1951	\$10,000	5%		
Montana Power 1st & ref. mtge. sink-					
ing fund	July 1943	15,000	5%		
New York Telephone sinking fund					
deb.	Feb. 1949	18,000	6%		
Southern California Edison gen. & ref.	Feb. 1944	10,000	6%		
Union Ry. Gas & Elec. gold	Jan. 1922	12,500	6%		
Domestic Public Debt—					130,500.00
Fourth Liberty Loan	Oct. 1938	\$25,000	4½%		
Victory Liberty Loan	May 1923	5,000	4½%		
Industrials—					30,000.00
Aluminum Co. of America	Mar. 1922	\$15,000	6%		
Aluminum Co. of America	Mar. 1923	10,000	6%		
American Tobacco Co.	Nov. 1920	10,000	7%		
Armour & Co. ser. conv. gold deb. ..	June 1920	10,000	6%		
Bethlehem Steel Series B	July 1920	15,000	7%		
A. E. Staley Mfg. Co. 1st mtge. ..	June 1928	5,000	7%		
					65,000.00
					\$323,500.00

Exhibit C

Schedule of Securities Paid Off or Sold during the Fiscal Year

July 1, 1918 to July 1, 1919

PERMANENT FUND

Real Estate Mortgages					\$41,775.00
Bonds—					
Foreign Public Debt—	Maturity	Amount	Rate		
Gov't of French Republic 2 yr. sec. con. gold notes	Apr. 1919	\$10,000	5½%		
United Kingdom, Gt. Britain & Ireland 2 yr. gold notes	Sep. 1918	5,000	5%		15,000.00
Rails—					
Baltimore & Ohio R. R.	July 1919	\$ 5,000	5%		
Northern Pacific, Gt. Northern C. B. & Q.	July 1921	5,000	4%		
Southern Pacific Co.	June 1929	25,000	4%		35,000.00
Public Utilities—					
Denver Tramway Power Co. 1st mtge. imp. gold bond	Apr. 1923	\$1,000	5%		
Louisville Gas & Elec. 1st & ref. ..	July 1918	5,000	6%		
Montreal Tramways Co. 1st & ref. mtge.	July 1941	25,000	5%		31,000.00
Industrials—					
Liggett & Myers Tobacco Co. 3 yr. gold notes	Dec. 1921	\$10,000	6%		
Swift & Co. 2½ yr. gold notes	Aug. 1921	10,000	6%		20,000.00
					<u>\$142,775.00</u>

LEWIS P. ROSS FUND

Bonds—					
Foreign Public Debt—					
City of Bordeaux, France, mun. ext. loan	Nov. 1919	\$ 5,000	6%		
City of Lyons, France, mun. ext. loan	Nov. 1919	5,000	6%		
City of Marseilles, France, mun. ext. loan	Nov. 1919	5,000	6%		
Dominion of Canada 2 yr. notes	Aug. 1919	25,000	5%		
Gov't of French Republic 2 yr. sec. conv. gold notes	Apr. 1919	15,000	5½%		
United Kingdom, Gt. Britain & Ireland 2 yr. gold notes	Sep. 1918	20,000	5%		\$ 75,000.00
Rails—					
Great Northern Ry. Co. coll. tr. notes	Sept. 1920	\$25,000	5%		
New York Central R. R. 2 yr. coll. mtge.	Sept. 1919	25,000	5%		50,000.00
Public Utilities—					
Buffalo General Elec. Co. con. deb.	Aug. 1922	\$10,000	6%		
Consumers Power 2 yr. sec. notes ..	July 1919	25,000	6%		
Cumberland Tel. & Tel. Co. 1 yr. notes	Feb. 1919	2,000	6%		
General Elec. Co. 2 yr. gold notes ..	Dec. 1919	25,000	6%		
Iowa Tel. Co. 1 yr. notes	Feb. 1919	1,000	6%		
Metropolitan Water Board Bill dis. notes	Sep. 1918	25,000	7%		
Nebraska Tel. Co. 1 yr. notes	Feb. 1919	1,000	6%		
Northwestern Tel. Exchange Co. 1 yr. notes	Feb. 1919	3,000	6%		
Southern California Edison Co. gen. & ref. mtge.	July 1919	10,000	6%		
Southwestern Bell Tel. Co. 1 yr. notes	Feb. 1919	3,000	6%		
Union Ry. Gas & Elec. Co. gold notes	Aug. 1919	25,000	5%		
West Penn Power Co. coll. gold notes	Aug. 1919	10,000	6%		140,000.00
Industrials—					
Armour & Co. ser. conv. gold deb.	June 1920	\$10,000	6%		
Bethlehem Steel Co. 2 yr. sec. gold notes	Feb. 1919	15,000	5%		
Proctor & Gamble Co. gold notes Series C	Mar. 1924	10,000	7%		35,000.00
					<u>\$300,000.00</u>

Exhibit D

Summary Tuition Account

July 1, 1918 to July 1, 1919

CHARGES MADE

Tuition	\$45,652.51
Laboratory Fees	7,994.00
Incidentals	15,246.50
United States Government for Instruction Students' Army Training Corps	15,462.05
	\$84,355.06

RECEIPTS

Cash	\$75,964.36
Scholarships	5,550.00
Deferred Tuition Notes	1,739.50
Employment Orders	1,101.20
	\$84,355.06

Exhibit E

Library Account

CHARGES MADE

Paid Cash for Books, Binding, etc.	\$3,511.65
Paid Cash for Library Supplies	311.14
Paid Cash for Salaries	4,980.38
Services paid by Tuition	401.31
	\$9,204.48

CREDITS

By Cash from Library Fund	\$4,800.00
By Cash from Gifts	374.69
By Cash from Sale of Books and Duplicates (included in Miscellaneous Receipts)	15.00
By Cash from Books Lost (included in Miscellaneous Receipts)	5.86
By Cash from Current Fund	4,008.93
	\$9,204.48