

The State University of Iowa

IOWA CITY

TWENTY-THIRD BIENNIAL REPORT

OF THE

BOARD OF REGENTS

TO THE

GOVERNOR

AND THE

THIRTIETH GENERAL ASSEMBLY

1901-1902 AND 1902-1903.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

DES MOINES: *C*
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1903.

LETTER OF TRANSMITTAL.

THE STATE UNIVERSITY OF IOWA,
OFFICE OF THE SECRETARY OF THE REGENTS.
IOWA CITY, IOWA, October 5, 1901. }

*To His Excellency, HON. ALBERT B. CUMMINS, Governor of
Iowa:*

SIR.—I have the honor herewith to submit the biennial report of the Board of Regents of the State University of Iowa for the years 1901-1902 and 1902-1903, as provided by law, Code 1897, section 2641.

Very respectfully,

WILLIAM J. MCCHESENEY,
Secretary of the Board of Regents.

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THE BOARD OF REGENTS.

MEMBERS EX OFFICIO.

His Excellency, ALBERT B. CUMMINS, *Governor of Iowa.*

RICHARD C. BARRETT,
State Superintendent of Public Instruction.

TERMS EXPIRE 1904.

NINTH DISTRICT—SHIRLEY GILLILLAND, *Glenwood.*

EIGHTH DISTRICT—HIRAM K. EVANS, *Corydon.*

FIFTH DISTRICT—THOMAS B. HANLEY, *Tipton.*

TERMS EXPIRE 1906.

SIXTH DISTRICT—WILLIAM D. TISDALE, *Ottumwa.*

FIRST DISTRICT—W. I. BABB, *Mt. Pleasant.*

SECOND DISTRICT—JOE R. LANE, *Davenport.*

SEVENTH DISTRICT—CARROLL WRIGHT, *Des Moines.*

TERMS EXPIRE 1908.

FOURTH DISTRICT—ALONZO ABERNETHY, *Osage.*

ELEVENTH DISTRICT—PARKER K. HOLBROOK, *Onawa.*

TENTH DISTRICT—JOSEPH H. ALLEN, *Pocahontas.*

THIRD DISTRICT—CHARLES E. PICKETT, *Waterloo.*

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LOVELL SWISHER, *Iowa City*, TREASURER.

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ALONZO ABERNETHY,
W. I. BABB, } EXECUTIVE COMMITTEE.

JOE R. LANE, DELEGATE TO THE SENATE.

STANDING COMMITTEES OF REGENTS.

AUDITING—Regents William B. Tisdale, Thomas B. Hanley, Hiram K. Evans.

BUILDING AND GROUNDS—Regents W. I. Babb, Parker K. Holbrook, Alonzo Abernethy, Carroll Wright.

COLLEGE OF LIBERAL ARTS—Regents Richard C. Barrett, Charles E. Pickett, Joseph H. Allen, Parker K. Holbrook, William D. Tisdale.

COLLEGE OF LAW—Regents Shirley Gilliland, Thomas B. Hanley, Hiram K. Evans, William D. Tisdale, Carroll Wright.

COLLEGES OF MEDICINE AND HOMEOPATHIC MEDICINE—Regents Carroll Wright, Richard C. Barrett, Joe R. Lane, W. I. Babb.

COLLEGE OF DENTISTRY—Regents Joseph H. Allen, Carroll Wright, Hiram K. Evans.

COLLEGE OF PHARMACY—Regents Hiram K. Evans, Thomas B. Hanley, Carroll Wright.

EXECUTIVE—Regents Parker K. Holbrook, Alonzo Abernethy, W. I. Babb.

FINANCE—Regents Alonzo Abernethy, Parker K. Holbrook, Charles E. Pickett, Thomas B. Hanley, Joe R. Lane.

GRADUATE COLLEGE—Regents William D. Tisdale, W. I. Babb, Hiram K. Evans, Alonzo Abernethy.

HONORARY DEGREES—Regents Parker K. Holbrook, W. I. Babb, William D. Tisdale.

HOSPITALS—Regents Joe R. Lane, William D. Tisdale, Shirley Gilliland.

LEGISLATION—Regents Charles E. Pickett, Shirley Gilliland, Alonzo Abernethy, Joseph H. Allen, William D. Tisdale, Hiram K. Evans, W. I. Babb, Carroll Wright.

LIBRARY AND APPARATUS—Regents Parker K. Holbrook, Richard C. Barrett, Joseph H. Allen.

NATURAL HISTORY COLLECTIONS—Regents Thomas B. Hanley, Shirley Gilliland, Alonzo Abernethy.

SALARIES—Regents Richard C. Barrett, Carroll Wright, Shirley Gilliland, Parker K. Holbrook, Joseph H. Allen, Hiram K. Evans.

THE ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

GEORGE EDWIN MACLEAN, LL. D., President.
 HARRY SANGER RICHARDS, LL. B., Secretary of the University Senate.
 JOHN FRANKLIN BROWN, PH. D., Inspector of Schools.
 THOMAS HUSTON MACBRIDE, Director University Extension.
 J. PERCIVAL HUGGETT, M. D., Acting University Examiner.
 *ALDEN ARTHUR KNIFE, M. D., Director of Physical Training.
 †JOHN G. CHALMERS, B. A., Director of Physical Training.
 ALICE YOUNG, B. L., Dean of Women.
 BERTHA BELLE QUAIN ANCE, B. A., Registrar.
 ARTHUR FAIRBANKS, PH. D., University Editor.
 LUTHER ALBERTUS BREWER, M. A., University Publisher.
 ALICE BRADSTREET CHASE, Secretary to the President.
 FIRST LIEUTENANT GEORGE RITTER BURNETT, U. S. A., Commandant of the Cadet Battalion.

SENATE BOARDS.

ADVISORY, ON GENERAL NEEDS OF THE UNIVERSITY—The Deans.
 ATHLETICS—Professors E. A. Wilcox, Nutting, Hosford, Whiteis, A. G. Smith, Burnett.
 COMBINED COURSES—Professors Currier, Gregory, Andrews, Nutting, Loos, Rockwood, Guthrie, Royal, Hosford, Boerner.
 LIBRARY—The President, Regent P. K. Holbrook, Professors Fairbanks, Nutting, Shambaugh, Andrews, Hayes, Breene, Dean; Mrs. Ridgway, Secretary.
 MUSIC—Professors Knipe, Whelan, Gordon, Seashore, Smith, Darling.
 PUBLICATIONS—Professor Macbride, the President, Professors Loos, Ansley, Richards, Fairbanks, Becker.
 SECONDARY SCHOOLS AND ENTRANCE EXAMINATIONS—Professors Calvin, Bolton, Shimek, Rockwood, Teeters, Brown.

THE COLLEGES.

AMOS NOYES CURRIER, LL. D., Dean of the College of Liberal Arts.
 CHARLES NOBLE GREGORY, M. A., LL. D., Dean of the College of Law.
 JAMES RENWICK GUTHRIE, M. D., Dean of the College of Medicine.
 GEORGE ROYAL, M. D., Dean of the College of Homeopathic Medicine.
 WILLIAM SUITS HOSFORD, D. D. S., Dean of the College of Dentistry.

*Resigned, April, 1903.

†Appointed, June, 1903.

EMIL LOUIS BOERNER, PHAR. D., Dean of the College of Pharmacy.
 LAENAS GIFFORD WELD, M. A., Dean of the Graduate College.
 ISAAC A. LOOS, D. C. L., Director of the Iowa School of Social and Political Science.
 FREDERIC E. BOLTON, PH. D., Director of the Summer Session.
 ANDREW A. VEULEN, M. A., Secretary of the Faculty of the College of Liberal Arts.
 HARRY SANGER RICHARDS, LL. B., Secretary of the Faculty of the College of Law.
 ELBERT W. ROCKWOOD, M. D., Secretary of the Faculty of the College of Medicine.
 WILLIAM LE CLAIR BYWATER, M. D., Secretary of the Faculty of the College of Homeopathic Medicine.
 ARTHUR FAIRBANKS, PH. D., Secretary of the Faculty of the Graduate College.

THE HOSPITALS.

LAWRENCE W. LITIG, M. D., Director of the University Hospital.
 SUSAN G. PARISH, Principal of the Training School for Nurses.
 JAMES GRANT GILCHRIST, M. D., Director of the Homeopathic Hospital.
 *MARY STEWART SIMS, Superintendent of Training School for Nurses, and of the Homeopathic Hospital.
 †ELVA L. DUNHAM, Superintendent of Training School for Nurses, and of the Homeopathic Hospital.

THE LIBRARIES AND MUSEUMS.

BERTHA GILCHRIST RIDGWAY, General Librarian.
 MERTON LEROY FERGSON, LL. B., Law Librarian.
 CHARLES CLEVELAND NUTTING, M. A., Curator of the Museum of Natural History.
 BOHUMIL SHIMEK, M. S., Curator of the Herbarium.

*Resigned January, 1903.

†Appointed January, 1903.

REPORT OF THE BOARD OF REGENTS.

To His Excellency, HON. ALBERT B. CUMMINS, Governor of Iowa:

SIR,—The Board of Regents of the State University of Iowa beg leave to submit to you the following report of its actions and doings during the biennial period ending June 30, 1903, and of the present condition and needs of said University.

The reports of the secretary and treasurer of this board, which accompany this and are made a part hereof, give a full detailed, and itemized statement of the moneys received, expended, and disbursed by us, and give a full list of professors, instructors and other employes in the service of the University during the biennial period and the salaries paid to each.

The report of the president, which also accompanies and is made a part of this report, gives full and detailed information as to the work done and the conditions of the University. We need do no more than to refer you to these papers on the points covered by them for such information as may be desired, and thus avoid mere repetition.

PERMANENT FUND.

We have examined carefully each year into the condition of the permanent endowment fund of the University, and would report that it is safely loaned on real estate security in the manner provided by statute, and that each of the loans is secured, according to the best of our judgment, on lands which are, exclusive of improvements, double the value of such loan. The treasurer has kept the interest promptly collected on this fund. The amount of the permanent endowment fund and the interest received thereon are fully shown by the treasurer's report which accompanies this.

GENERAL CONDITION OF THE UNIVERSITY.

As to the general condition of the University, we are pleased to be able to report that it has enjoyed during the biennial period a fair degree of prosperity, and is, and has been during that time, steadily advancing in its educational work, and everything indicates a bright future for it in the years to come. We feel safe in saying that no more devoted and efficient corps of professors and instructors can be found in any university of its size in the country. With the increased aid and support which the legislature has given it during the past few years, it has been greatly strengthened in several departments, and is steadily and surely advancing to a point where we hope, in the not distant future, that its condition will be such that no son or daughter of Iowa need go beyond its border to secure as full, complete, and efficient instruction in the higher and more advanced fields of learning as they can find elsewhere. That is what the people have a right to demand, and we believe do demand, at our hands. This cannot be accomplished in one or two years, but requires a continuous and intelligent effort for some time, but we are making such advances in this direction that we feel safe in saying that with the co-operation of the legislature of this state, that the time is not far distant when this result will be achieved. To secure it, the University must be provided with considerable increase in its support fund, in order that some of the departments may be strengthened and new ones added in fields which are not yet covered.

In presenting the needs of the University at this time, we would give special emphasis to this point. While buildings are important and necessary, yet brick, stone and mortar alone, will never make a great university. This end can only be reached by securing strong, able, and devoted men who are masters in their special fields of learning, and who have the power to inspire and guide those coming under them to efficient work and investigation. To secure such men and retain them, we must pay them approximately what they can secure elsewhere. This proposition is as true in educational work as in other fields of labor.

With this preliminary statement, we beg leave to present to you our report of the expenditure of the special appropriations made by the last General Assembly for the support of the Univer-

sity, and also set out what, in our judgment, is absolutely needed at this time in order that the University may maintain its proper place at the head of the educational system in Iowa and compare favorably with other like universities in the Central West.

NEW MEDICAL BUILDINGS.

Two years ago when the Twenty-ninth General Assembly convened the board was confronted with the task of providing a home for the prosperous college of medicine, with its 280 students. The fire of the previous March 10th had destroyed not only the four-story medical building, but all of its expensive equipment, its valuable library, and its entire collection of rare medical and illustrative material, the accumulation of many years of gift and purchase. After exhaustively considering the needs of the college in this emergency, the board laid the whole subject before the General Assembly and asked for an appropriation of \$200,000 with which to restore the loss and house the college in an adequate fire-proof building of modern appointment. Could such an appropriation have been made at that time to replace this greatest of the University's fire losses, the fire would not have been a serious loss, and would soon have proved of real and substantial value to this important department. But funds were said to be running low in the state treasury and enormous demands were pressing from the various state institutions. However, \$85,000 was finally appropriated for new building and equipment out of the \$200,000 asked. A shed has been erected over the old foundation for temporary use, and the laboratory work transferred to the basement of the new Liberal Arts building. The board began at once plans to meet the pressing needs as best they could with the funds at their disposal. The work on the new buildings has been carried forward as fast as the funds were available. Two buildings are now nearing completion, namely, an anatomy building and a medical laboratory building, at a total cost of \$130,000. There will be money available to complete these two buildings without equipment in January, 1904. This will include, however, the use of the \$35,000 appropriated two years ago for equipment, in the erection of the buildings, as authorized by the act making the appropriation, to be replaced later by the board

from the building tax. These two fire-proof, modern and model buildings will give our college of medicine room and accommodation thoroughly up to date, and when equipped, equal to our needs and a credit to the University.

PROVISION FOR FIRE LOSSES

There yet remains the chemical and physiological laboratory building, the extension of the tunnel, the installation of appliances for heating and lighting, besides other extensive equipment needed, none of which can be added until the means are provided. The failure to make prompt and adequate provision for the great fire loss of 1901 spread a wet blanket of considerable dimensions over the medical college. Both the college and the whole University are still suffering from the effects of this fire, and will continue to suffer unless relieved by the general assembly soon to convene. If the conditions had been such that the Twenty-ninth General Assembly could have provided adequately for the fire loss, by supplying the \$200,000 asked instead of the \$85,000, the three buildings would now be completed, fully equipped, and ready for use.

A close estimate shows that it will require nearly if not all of the remaining \$115,000 to properly house what was unhoused by the fire of March 10, 1901, and equip our medical college as it ought to be, at the earliest practicable moment. The third building for chemical and physiological laboratory is still needed. The three buildings will require extensive equipment, including heating, plumbing and electric wiring appliances. The tunnel must be extended from the old campus across to the new buildings, and new boilers added in the power house. Provision for these requirements can be made on a cheaper scale if there is no other recourse, but the University has been doing too many things in a cheap way too long already for want of the necessary means, and ought to quit doing so now. The state of Iowa is able to maintain a creditable university. Nor should the proper restoration of this medical college, destroyed by fire nearly three years ago, continue to absorb the building tax fund so greatly needed for the immediate construction of other buildings. The funds to accrue in 1904 ought to go into either a creditable fire-proof

museum, or into a gymnasium, armory and assembly hall, the serious question only being, which of these *must* wait on the other. But to build neither of them until the medical buildings are completed and furnished out of the building tax still to be collected, is a measure the board does not like to contemplate.

In view of these facts and considerations, the board, having struggled through two years of effort to pay debts growing out of the destruction of buildings and libraries, authorized by previous general assemblies, and to get its medical college in out of the cold, finally decided, at its last meeting in September, to renew the appeal for a special appropriation of the remaining \$115,000 to enable it to rehabilitate its medical college in a way they believe the people of Iowa would want it done, and at the same time push forward other buildings long since needed, with the building tax funds of 1904 and 1905.

BUILDINGS IMMEDIATELY NECESSARY.

The next buildings most urgently needed are for the museum, library, gymnasium and assembly hall. Buildings for these purposes could now have been well under way but for the recent loss of three old buildings destroyed by fire, namely, the library, medical building and old South Hall, compelling the board, much against its will, to change long cherished plans to provide for these emergencies.

The importance of providing at the earliest date, shelter with adequate and suitable room in fire-proof quarters for the rare and priceless stores collected by such men as Calvin, Macbride, Nutting, Russell, and their associates and predecessors in the last thirty years or more, no one acquainted with the facts will question. These collections represent the early natural history of Iowa, and many regions beyond, as no other collection does or ever can. If once lost, they can never be restored, an irreparable loss to both science and history.

Provision ought to be made also for housing the work in applied science. All the work in engineering is now in the unsightly and unfit shed erected over the foundation of old South Hall. Physics has no proper housing in the restored old library building, which, in fact, can be said of all the sciences, not to mention

the cramped quarters occupied by the law and dental colleges. The building tax, however, will provide some additional room each year, though in this regard even we are liable to remain nearer the rear of the column than the state of Iowa ought to, among the leading western universities.

The need for gymnasium equipment and athletic training facilities is scarcely less pressing, to the student life of the University, if it is less apparent to the general public. Provision for these vital needs, however, will still be delayed in spite of all the board can do, unless the special appropriation can be made for completing, heating and equipping the new medical buildings, ready for use when the University opens in September next.

Iowa ought to be able to hold her own students at her own University, but cannot hope to do so by continuing to compel them to crowd into unsightly and unsanitary buildings poorly equipped, when they know they can find across the borders almost anywhere, finely equipped quarters for their work. Michigan enrolled last year in her university, besides more than 2,100 of her own sons, nearly 1,700 more from other states, including not much less than 100 from Iowa.

GROUNDS PURCHASED.

The Twenty-ninth General Assembly appropriated \$50,000 for the purchase of land on which to place the new medical buildings and otherwise add to the campus. Twenty-three thousand dollars of this amount was made available during the year 1902, the remainder to be used in the year 1904 to purchase land under contracts previously authorized.

From the \$23,000 the following tracts were purchased; all in Block 79 which adjoins the old campus on the east across Clinton street and the newer campus east of it containing the medical laboratory, the hospitals and the Homeopathic building:

North 134 feet of lot 1.....	\$6,800
All of lot 2.....	6,000
East 20 feet of lot 3.....	700
East 30 feet of lot 4.....	800
West 40 feet of lot 7.....	7,500
North 40 feet of east half lot 7.....	700
Total.....	\$22,500

From the \$27,000, the following tracts have been purchased:

In block 79—	
North half of south half of lot 5.....	\$3,000
East 40 feet of lot 6.....	5,500
In block 97, west of campus—	
North 57 feet of lot 1.....	3,000
South 23 feet of lot 1.....	} 5,000
All of lot 2.....	
North 10 feet of lot 3.....	} 2,500
Middle 50 feet of lot 3.....	
South 20 feet of lot 3.....	} 5,000
All of lot 4.....	
West 40 feet of lot 3, block 91.....	600
Total.....	\$24,600

The property so far secured in Block 79 gives an excellent site for the medical buildings and good approaches to them. Two brick buildings remain, which have been rented. The four purchases in Block 97 comprise the east half of the block, the other half already belonging to the University. This purchase connects the old campus with the athletic grounds. There are three dwellings here, which will also afford income until the grounds are needed for other buildings. The tract secured in Block 91 adjoins the power house on the east, and will give needed room for storing coal.

ADDITIONAL GROUNDS NEEDED.

The campus now contains about 35 acres, and extends from the old university hospital east of the former park to the Iowa river, the original campus being in the center. More ground, though, must be secured to connect the newer accessions wholly to the old.

When the state provides the means to secure some more of the intervening and adjoining realty, as it ought to do at once, the University will have an ideal campus. While it will require time and some expense to prepare the western and lower portions for the new buildings that are to adorn it, since some parts will require grading, terracing and parking, yet it is doubtful if any like expenditure will ever commend itself more strongly and heartily to either the old or new students in future years. An additional appropriation of \$50,000 is recommended for making such further additions.

It would doubtless be good business economy to secure now much more land than this sum will buy, and if the amount recommended were doubled, the board could now secure valuable property at more reasonable terms than at a later date, when its purchase becomes a necessary condition of university growth. Wiser plans also could be made for the future. The board, however, hesitates to recommend a larger sum for fear of imperiling other more pressing needs.

NEED OF INCREASED SUPPORT FUND.

The people of Iowa do not like to be outclassed. They are nowhere outclassed in the products of their farms and factories, in the soundness of their financial and industrial enterprises, in the universal thrift and comfort of their home life, nor in their public and private charities for the unfortunates. No state in the union has so much rich soil or so little poor land, nor climatic conditions so productive of the best type of character and manhood. Forty years ago, when a great peril threatened the country, Iowa young men led all the states in the promptness and fervor with which they pressed into the ranks for the preservation of the union. Her young men have led ever since in every worthy enterprise and cause. Our school houses and schools are the pride of the state, the head of the system alone has been hindered and handicapped by want of adequate support. Its University at the end of forty years had received just \$240,000 for the construction of its eight buildings. Meanwhile, other adjacent states had far exceeded Iowa in the building equipment of their universities. Recent legislation has now provided a remedy for this condition by an annual income of one-fifth mill for the ensuing four years for buildings. Meantime, however, other western universities have been given largely increased incomes for support, and are reaping the fruits in the increased value of their work and the greatly increased attendance. The University of Chicago has an income of \$1,000,000, Michigan of \$700,000, Illinois, Wisconsin, Minnesota, Nebraska and Missouri, lying on our borders, of \$400,000 each or more, while our income for support is less than \$240,000. If this income could be increased even \$100,000 at this time, the University would, under the conservative and econ-

omical management of its board, immediately take entirely different and advanced rank. Such an increase the board does not expect nor ask for at the present time, but its annual support fund ought to be increased at least \$50,000.

This amount the board has decided to ask for, and very earnestly hopes it will be given. With it, the University will be able to provide better for the many hundreds of its young men and women every year graduating from the high schools, academies and colleges, who are looking for the best university training of some kind, and ought to find it without having to go outside. Without it, they will continue to flock over the borders where they can find what they need under more favorable conditions. Without it, schools better equipped and with more money to carry on their work, will continue to rob us of both teachers and students as they have in the past.

THE LIBRARY.

Two years ago the board recommended and applied for annual appropriations for the libraries as follows: \$7,000 for general library; \$1,500 for law library, and \$1,000 for medical library, a total of \$9,500. These moderate and reasonable requests were ignored or overlooked, and no appropriations were made for libraries. When the board met in the following June to make up the budget for the year's expenditures, applications were presented by the committees representing the needs of the various departments for nearly this sum of \$9,500 which had been previously presented to the legislature. The board finally, after a long discussion, decided to take \$3,400 from funds needed for other purposes to buy books, but at the expense of needed equipment elsewhere. When the present year's budget was made up, \$4,250 was appropriated from the income fund for libraries, taking again, from necessity, funds sorely needed for equipment elsewhere. Libraries furnish so essential a feature of university work in our day—of all school work, in fact—that a failure to supply this requirement is a vital failure, and tends to cripple the whole work. The legislature instead of withholding the necessary funds to equip its University with libraries adequate to its needs, ought to take special state pride in making liberal provis-

ion for such needs. The state of Iowa can stand the expense and profit immensely by it. The board renews its application for an annual appropriation of the moderate sum of \$10,000 for the library.

REPAIR AND CONTINGENT FUND.

To keep the various buildings of the University in proper repair, and prevent their deterioration will require from this time an annual expenditure of about \$10,000. The \$5,000 annually appropriated during the last twelve years or more, is no longer adequate for this purpose. The result has been that funds needed for other University purposes have been regularly appropriated for repairs, in addition to the state appropriation for this purpose, and many needed repairs have been put off from year to year, to the permanent injury of the buildings.

Two years ago the board made a strong appeal for an increase of the annual appropriation for these purposes to \$10,000, but the request was not granted. The board has not been able to save enough money for repairs, even by cutting down other expenses, and economizing in all feasible ways. The result is that the buildings have not been kept up as they ought, especially the older buildings and the hospitals, where constant attention to repairs, cleanliness, and sanitary conditions are all important.

The board begs to renew its appeal for a larger appropriation for repairs and contingent purposes of not less than \$10,000 per annum.

PAVING AND SIDEWALKS.

There will be need for large additional expenditures during the next two years for the construction of new walks and for paving purposes. The old wooden walks ought to be everywhere replaced by permanent stone or artificial stone walks. The board has had to build in recent years new walks quite extensively, and of necessity had to construct them of cheap material. These are rapidly rotting out, and ought to be replaced, especially in front of all University property adjoining the principal streets of the city.

To make these improvements will require another \$10,000, which it is hoped can be allowed for this purpose.

UNIVERSITY EXTENSION.

There is no branch of university work more productive of good results nor more popular with the people of the state, than the kind of work called University Extension. The leading universities east and west have taken it up vigorously in recent years. It is bringing the means of education to the home, and to those who can no longer go to college. To do this efficiently will require the services of a director and a secretary, who can devote their entire time to it. It serves a most worthy purpose in itself, and it affords an economical method of advertising the University and its distinctive work.

Iowa is said to be the best field in the West for carrying on University Extension work, and plans have been devised to enter upon it vigorously if the funds can be provided. The cost of this, like nearly all educational work, always exceeds the direct receipts, but it is work the University ought to do, and the ultimate results inure largely to its benefit.

The board asks an annual appropriation of \$5,000 to be used for this purpose.

SUMMER SESSION WORK.

The board ventured, four years ago, to yield to the demand for a six weeks' term of summer session. Its chief purpose is to help train such of the 30,000 different teachers in Iowa as want help during the vacation months in special branches of college and university grade, in connection with their work in the public and private schools of the state. The number of such is constantly increasing. Though the board had no money to advertise this work, and little enough to provide the necessary teachers, it organized a summer session in June, 1900.

An even 100 students came for instruction. In the three succeeding years the attendance has steadily increased to 134, 190 and 214.

Incidentally, the summer session is serving the state an excellent purpose in providing elementary training for library work, the demand for which is increasing rapidly all over the state. If the University was able to establish a regular school for library training, it would have from the beginning a good patronage, supply a real want, and enable a good many of our young people to secure at home what they now have to go abroad to obtain.

SUMMARY OF REQUESTS.

If these carefully considered and conservative figures of the University's needs are granted, as they should be, in full, it will require the seeming large addition to our income of \$70,000 a year, to wit: \$50,000 for general support, and \$10,000 for library, \$5,000 for repairs, and \$5,000 for University Extension; also the three following special appropriations, \$115,000 to make good fire loss and to complete and equip the new medical buildings, \$50,000 for land, and \$10,000 for walks and paving, all of which are necessary, and neither of which should have to be taken from the regular building tax income, needed immediately for other purposes. While these figures may appear to some to be unnecessarily large, we venture that any member of either branch of the general assembly who can take the time to study the subject of university education at all exhaustively in connection with any one of the states about us, including the cost and its results to the institutions and the states, will soon come to believe as we do, that the University should have, and the state can well afford to give, every appropriation herein asked for in full.

The fact is, that a creditable and really valuable modern university costs money. Iowa can have and maintain such an institution only by providing adequate means to support it, and there can be no question about the desirability of doing so, nor of the state's ability to support such a university.

As servants of the state, entrusted with the management of this important institution, we feel that we would be derelict in

our duty if we did not call your attention to each of the matters set out in this report and urge that suitable provision be made to supply these wants.

Respectfully submitted,

CHARLES E. PICKETT.
ALONZO ABERNETHY.
PARKER K. HOLBROOK.
W. I. BABB.
CARROLL WRIGHT.
SHIRLEY GILLILLAND.
THOMAS B. HANLEY.
W. D. TISDALE.
H. K. EVANS.
JOSEPH H. ALLEN.
JOE R. LANE.

Regents.

REPORT OF THE PRESIDENT

REPORT OF THE PRESIDENT.

October 1, 1903.

To the Honorable Board of Regents:

GENTLEMEN,—This report, which I have the honor to submit in accordance with the provision of the statute (Code 1897, Section 2641), consists of a summary, followed by excerpts from the annual reports presented to your board by the heads of departments as well as by myself. This will give first-hand information as it was recorded, and gives the points of view of the entire staff of instruction and administration. The prominent characteristics of the biennium are as follows:

APPROXIMATION OF UNIVERSITY IDEALS.

There has been a steady and rapid approximation toward the original ideals of the institution as a real university, as contradistinguished from a mere college. The several colleges, while maintaining their integrity, have been moulded into a federal union, and dominated by the spirit of the University. The general faculty of the University, called the senate, has become more and more a body for common conference. The combined courses and the interchange of students have been developed and facilitated. The adoption of the collegiate year of the same length, and of the semester plan, crowned by a common University commencement, has made possible a co-operation with reference to courses of study. The successful and crowded weekly meeting of all the members of the University in the assembly, the modern form of the old chapel exercises, is highly significant. The grouping about the heads of departments in the colleges of junior professors and other instructors, so that each department, where the number of students justifies it, is a staff by itself, is a genuine University feature. The well-earned promotions to these chairs

of many of our most tried instructors and assistant professors has made this feature possible. The focusing of the work of cognate departments by the recognition of schools like the School of Political and Social Science and Commerce, and of Applied Sciences, is indicative of the university movement. The application of the raised standards for admission and graduation has improved the quality of the work and is doing as much as any one thing to make a real university. The maintenance of the attendance at the highest figures, by several hundred, attained in the preceding biennium, shows that this step approves itself to the people of the state. It is becoming understood that the regents intend to have the best university of its kind, instead of seeking mere bigness. The revision of the courses of study in the College of Liberal Arts and in several of the professional colleges, along the lines of extended sequences and a closer correlation of the branches, with a fair degree of freedom, is another side of the university spirit.

ENLARGED UNIVERSITY RELATIONS.

The external relations of the institution give proof of its recognition as the representative of Iowa. The greater educational movements abroad and in other parts of the union have naturally related themselves to the University or to members of the faculties and of the student body. We have to represent Iowa in all these relations. Reference is made, not simply to the official positions and contributions of our prominent professors in national and international learned societies, but also to the prominence of our colleges in various associations, like that of our medical college in the American Association of Medical Colleges, and the charter membership of our College of Pharmacy in the corresponding association. Within the state the inspection of the school system, the people in their calls for University extension, the reference to the University of many subjects for opinions, tell of a service that cannot be reported in detail. The demand for our graduates surpasses the supply that we afford. The Liberal Arts faculty has established a board for the recommendation of graduates and students, particularly in the teaching profession, and they, like the deans of our other colleges, are embar-

rassed by not having enough men and women to meet the calls made upon them. The Graduate College, as the nexus of the colleges in the University, and the crown of the volunteer colleges in the state, has become one of the largest graduate colleges in the West with students actually in residence, and, through the request of the standard colleges of the state for the establishment of standard college scholarships, has received the informal endorsement of these colleges. The summer session, which has shown a steady increase in the percentage of its attendance, and which from the beginning appealed to the best school men of the state, relates the University anew to the public school system. The library school, under the auspices of the State Library Commission, as a sub-department of this summer session, has opened to the University a new avenue for public service in this era of libraries. The addition of the sixty-two scientific expeditions to different parts of the globe from the University, of the fruits of the United States expedition for deep sea soundings in the waters of the Pacific about the Hawaiian Islands, has yielded, through the service upon that expedition of Professor Nutting, a large present and prospective increase to our most valuable natural history collection. The rise in the number of patients to above 11,000—including the dental clinics—for the clinics in our hospitals, suggests not only that we can afford proper clinical material for our medical and dental schools, but that we are doing a valuable work in alleviating suffering and curing diseases for the citizens of the state.

IMPROVEMENT OF CAMPUS AND CITY.

Our purchases of land at reasonable prices for the enlargement of the campus, if continued through anticipated appropriations of the Thirtieth General Assembly, will so change the appearance of the University, even to the casual visitor, as to make it one of the most attractive of places. It is just to add that Iowa City has been making rapid improvements in the way of paving, the erection of public buildings, and of new houses with modern conveniences, open as homes for students, and in general administration, so that what was always a picturesque city is becoming one of the best cities possible for the location of

a university. There has been a more strict enforcement of the mulct law. Iowa City is free from the evils of cities, excepting that of saloons, to which an undue notoriety has been given through the sins of a former generation. The religious statistics in the registrar's report are significant of the stalwart character of our students, culled from the flower of the youth of the state and placed in an environment, not only in the University, but among the churches and citizens of Iowa City, that is entirely healthful and helpful.

FRUITS OF THE INCREASED SUPPORT FUND.

The wise provision made by the last two legislatures upon the request of the regents, increasing the permanent support fund, has prevented what would otherwise have been an inevitable deficiency in the growing University. The increase available for this biennium has been distributed so that the University has met the following demands:

The Graduate College has had the benefit of specialists and of necessary equipment for research work, so that it is now one of the largest in the attendance of resident students among the state universities.

The Summer Session has increased, and the attendance of superintendents, high school principals, and the leading teachers of the state, causes this expenditure richly to repay the state and to benefit the entire public school system.

The continuous and increasing demand made upon the University for applied science, and the positions secured by our graduates in engineering, has more than justified the expenditures in the way of equipment and additional instruction in these branches.

The School of Political and Social Science and Commerce is along the line of another modern demand, and should have received much larger increases than it was possible for the regents to grant.

The housing of the humanities in the new Hall of Liberal Arts, opened at the beginning of the biennium, has of necessity called for larger appropriations for these departments.

The library, for which the last legislature could not see its way clear to make the special appropriation asked, had to have books and to receive approximately \$10,500.

Proportionate to the need of the colleges has been the distribution of the increase among the professional colleges, whose increased time of instruction and raising of the standards, required corresponding financial support.

The fixed charges, in view of the new buildings, despite increased attention to the closest economy, of necessity called for approximately \$15,000.

There has been no systematic increase in the salaries of professors, despite the fact that their salaries are so low and that the cost of living is much greater. Something has been used in endeavoring to hold professors who were called away and whose loss would be a great damage to the institution, and despite our attempt to compete with other institutions, we have lost some excellent men. An increase in salaries in certain directions is becoming almost imperative for the University.

The University hospitals, with their training schools for nurses, indispensable for practical instruction in medicine and useful to the citizens of the state suffering from sickness, properly made a draft of about \$3,000 upon this fund.

In short, the increased support fund has been distributed so as to foster every part of the University in a symmetrical development.

The general administration of a modern university requires business organization in the interest both of education and economy, and has called for an appropriation which will henceforth be sufficient without material increase to carry forward the University, though it should be greatly enlarged.

In the light of the experience of the past two bienniums, it is clear that the permanent support fund of the University should be enlarged. This is not simply a matter of abstract justice in view of the use in earlier years of the endowment fund of the University from the United States in the supposed interests of the development of the state by the sale of University lands, but it is a practical question of retaining properly prepared professors in the competition we have with richer institutions. It is further

necessary, in this day of scientific education, that there should be modern equipment in the way both of apparatus and books. Schedules will be submitted to the committees of the Assembly showing that we are under-paying both our staff of instruction and our laboring people.

The University has reached a point of blossoming, and it can be easily blighted by a frost of false economy. We need now moneys for the development of the colleges, schools and departments already planted, and not for the multiplication of departments. It would be folly for the state, having such a good beginning, to waste in a measure what has already been invested by failing to supplement the support fund at this juncture.

In addition to the excerpts from my annual reports, which follow, there is submitted herewith, in accordance with the requirements of the statute, the calendar of the University for the year 1902-03, containing details as to different courses of study and branches taught, the means and methods of instruction adopted, the number of students, their names, classes and residences. The latter statistics are set forth in striking form in the appended report of the Registrar.

In accordance with the statute, I have the honor to submit my annual report for the university year beginning July 1, 1901.

LEGISLATIVE YEAR.

It has been a year of progress. A decided advance has been made toward securing a proper permanent financial support. The Twenty-ninth General Assembly followed in the footsteps of the Twenty-eighth General Assembly, which we called the "Educational Assembly," on account of its provisions for education. The message of Governor Cummins, and his quiet ministry of loyal service, encouraged the assembly practically to say, in the words of Governor Cummins, "Government has no higher function than to prepare men and women to become good citizens. Generosity and liberality should distinguish the provisions made for the University, and inasmuch as it is the institution intended to represent our appreciation of education in its higher and specialized forms, it should be all that money can create or genius de-

vide. Iowa is not poor, and there is no extravagance in any provision that will enable the State University to do the most and the best work of which the University is capable. I have given some time to the investigation of the subject so near my heart, and I assert with confidence that there is no school in the union that has made more progress, achieved better results or done more work with the same means. The University should have buildings which, in the beauty of their architecture, the permanency of the construction and the convenience of their arrangement are the best types of the class to which they belong. It should have a constant support that will relieve its management of apprehension and enable it to secure and retain the most accomplished instructors and varied equipment."

Thanks to these words and the wise acts of the assembly, the building era of the University was assured.

The form of the appropriation through the one-fifth mill levy and the addition to the permanent support fund of \$35,000 per annum, give promise of constant support. It only remains for the regents and faculties by a close business administration of these funds to convince succeeding legislatures that the policy now established should ultimately consolidate upon the basis of a levy the entire state support of the institution. The University may rejoice that through its leadership toward such a sound policy, its sister educational institutions were also enabled to enter upon building eras.

THE REGENTS.

Incidentally, as a result of inquiry in the legislature as to a board of educational control, the regents of the University were justified and the ideals of the regental system of government were brought out. On the one hand, a representative board close to the people with the wisdom of many heads to determine educational policies, and on the other hand, the advantages of a small business board in the form of an executive committee, commend the government of the University by the board of regents. The service of the state upon the honor, and not upon the salary basis, has more than an economic value, as is shown in the character and devotion of the services of men who could not be pro-

cured for pecuniary considerations. The adoption by the board during the year, in accordance with the suggestions of the board of control, of rules specifically setting forth the functions of the building and executive committee, will doubtless make clearer than ever the business and governmental advantages of a board of regents.

Special acknowledgment should be made of the extended and arduous services during the past year of the building committee, through whose personal supervision the repairs made necessary by the fire losses and the equipping and opening of the new Hall of Liberal Arts, and the adjustment of the final financial settlements were made.

REPORTS OF ADMINISTRATIVE OFFICERS.

The silent but decided development of the University is indicated by the operation without noticeable friction of the closer organization for the administration of the University two years since, and by the reports not simply of attendance, but of many improvements and even new undertakings affecting the quality of the work. Advancing standards have been maintained and many advantages have been gained, not simply through the increased facilities for instruction in the way of an increased staff and enlarged equipments, but also through the actions of the faculties in more detailed plans in accordance with the spirit of modern university progress and more of personal supervision.

Particular features of the President's office have been the service of the legislature and the continuance of visiting schools and communities in the state calling for addresses. Fifty invitations were received, but it was only possible to accept sixteen. The purpose has been to endeavor to unify the educational forces of the state, not only in the schools, but in the communities, that Iowa may have a record for culture equal to its record for corn, cattle, chickens, coin, congressmen and cabinet officers.

The treasurer's report will be laid before the board. The lowering of interest rates causes a noticeable shrinkage in the income endowment fund. This, in connection with the appropriations from the general income fund necessary to supplement the grants from the providential fund from the state for fire

losses, together with the temporary decrease in the tuition fund as compared with the preceding year, when the fund was inflated by the abnormally large class seeking graduation in the College of Law before the enforcement of the three years' course, and the decrease of tuition in the colleges of medicine, owing principally to the fire, make inroads upon the funds available to meet the demands for appropriations for the ensuing year.

If we could have persuaded the legislature to give us the \$21,500 per annum in the form of miscellaneous items for the support fund, which they felt they must deny in view of an anticipated deficiency in the state's treasury, the regents and faculties would have been saved great distress. The board will find it a painful necessity to deny just requests for the lack of what would be an insignificant sum for the state. It could be wished that the legislature could sit with the regents at this council board at this time, for surely intimate knowledge of the details presented would convince the legislature that they should honor without paring every penny of the requests by the board of regents.

The Registrar's report shows an attendance substantially the same as last year. As has been intimated, the abnormal influx of students in the preceding year into the College of Law, as it was the last of the two years' course, the remarkably slight decrease under the circumstances in the Colleges of Medicine, due largely to the death of the dean, the fire and the increase of standards, the throwing out from the registration of many *in absentia* students in the Graduate College, and the exclusion of the voluntary class in physical training not properly included in the preceding year's registration, account for the apparently stationary attendance. In reality, the outlook from the attendance is most encouraging. The increases are significant for the future in the College of Liberal Arts, from 168 to 212 freshmen; in the summer session, from 100 to 135; in the College of Law, the entrance of a class of the usual size for the three years' course, where we had anticipated a great falling off; the holding of our own despite the fire in the first year of the College of Medicine.

UNIVERSITY EXAMINER.

No administrative office established by the board two years since has better justified itself than that of the University Examiner. The foundations for scholarship in the University rest upon the preparation of students. The University Examiner has discovered and tested these foundations; he has crowned the work of the high school inspector in relating us to the entire school system, and perfected the work by establishing a personal relation to each high school pupil or other person entering the University.

In September, 1902, for the first time, all applicants for admission to all of the six undergraduate colleges of the University passed through this office, their preparation for university work being thus judged by one agency, one standard. Moreover, entrance examinations have been organized so that all applicants for admission who may be required to pass entrance examinations in one or more subjects, are assigned to the same examinations, according to a single programme applicable to all of the colleges, and the papers of the prospective collegiate, law, medical, dental, and pharmacy students are read by the same instructors and judged by the same standards.

Last year, for the first time, the office sent blank forms to all accredited schools calling for the entire high school record of each member of the graduating class of 1901. About 210 schools were addressed, and 50 of them responded. * * * From these reports was prepared for each pupil graduating a Graduate's School Record and Certificate of Admission to the University. It was intended that these certificates should be acceptable to any college or university in the land which accepts students from Iowa schools on the certificate plan, and so the certificate includes the pupil's entire high school record, as certified by the principal's signature.

Not less than half of the students in the College of Liberal Arts thus conditioned, are conditioned not because they did not do in the high schools a sufficient amount of accreditable preparatory work *in toto*, but because they were deficient with respect to some specific requirement for admission to the particular

course of their choice, *e. g.*, Latin, History or Solid Geometry. I am glad to report that most of these students will be ready to enter upon their sophomore work next September with their preparatory work all properly completed.

Two years ago, in the establishment of administrative offices, and in recognition of the fact that the University is an integral part of the public school system of the state, the regents set out practically as a separate office, the high school inspector. Professor J. J. McConnell, who had performed the function as an incident to the chair of pedagogy, cheerfully volunteered to give arduous service to this work, and he was assisted by Mr. H. C. Dorcas. Inasmuch as the work of the University by legal requirement is based upon the preparation afforded by the inspected and duly accredited high schools of the state, whose graduates are admitted to the undergraduate and professional courses upon presentation of the proper certificates, the inspector must have the most thorough and modern pedagogical preparation, and at the same time must be a practical school man. Such a person the University lost by the resignation, a year since, of Professor McConnell. The highest compliment that can be given to his successor in the work of inspection is that though he had the disadvantage of being a new man, he has followed successfully in the footsteps of Professor McConnell.

The following selections from his report indicates not only the progress of the work of inspection, but the continued happy co-operation of the colleges, as well as the schools, of the state with the University.

HIGH SCHOOL INSPECTION.

In the visitation of schools, several ends have been sought. The work done in each school has been carefully and judicially examined, and a report on the same filed in the inspector's office. Conferences have been held with superintendents, teachers, and members of school boards. At these conferences the usual subjects of discussion were teachers and teaching, building equipments, library and laboratory facilities, the course of study, the general policy and spirit of the school, and the relation of the secondary schools to the University. * * * A special effort

has been made to enlist the interest of county superintendents in the work of the high schools and the University, and from them valuable information has been received concerning the status of the high schools in their respective counties.

The inspector has visited 68 different schools. Of this number, 54 were already on the accredited lists and 14 were applicants for the accredited relationship. At the beginning of the year there was a list of 49 schools that had applied for a place on the accredited list and had not been visited.

A careful examination of the work of the small high schools reveals the fact that they are, in most cases, attempting to do more than can be done satisfactorily with the teaching force and equipments which they possess. It is believed, however, that these schools when working under proper conditions can do three years of high school work as well as the larger schools can do it. A plan has been adopted by the University and endorsed by the other colleges of the state by means of which these schools can be placed on a partially accredited list of the colleges. There are at least 100 such schools not now enjoying the accredited relationship that are eligible to it under these provisions. The plan is set forth at length in University Bulletin No. 42.

The recent changes in the University entrance requirements and the consequent necessity of a re-organization of the high school course of study, have required careful and extended consideration. Early in the year, a circular was issued calling the attention of superintendents and teachers to the new entrance requirements in English. This circular proved to be of so great value that it was re-issued later as a University Bulletin No. 41.

Another University Bulletin, No. 44, was issued, in which were set forth at length the new entrance requirements of the University and the local wants of the individual community, and some general suggestions concerning the needs of the schools. * * * Judging from recent conversations with superintendents and from courses of study reorganized since the Bulletin was issued, the suggestions contained in it have been widely adopted and it seems but fair to expect that it will accomplish much in the direction of the adoption of a unified and uniform course of study among the accredited high schools,—an

end which, if it is accomplished, will contribute largely to the educational interests of the state in every part.

CO-OPERATION OF OTHER INSTITUTIONS.

In this connection reference should be made to the spirit of co-operation that has been manifested by the other colleges of the state.

The resolutions passed by the Committee on Secondary School Relations and printed on the last page of Bulletins No. 41 and 42 seem to indicate a sincere desire on the part of these institutions to co-operate harmoniously in the promotion of movements that are of mutual advantage to the cause of higher and secondary education within the state.

PUBLICATIONS.

The diffusion of useful knowledge is one of the notes of a genuine university. The Official University Bulletins for the year have been sixteen, from Bulletin 34 to 50. The returns from all the departments of the University of publications shows 129 by different members of the staff of instruction; 108 articles, 10 monographs, and 11 volumes; further classified as 65 scientific publications, 18 political and social science, 42 literary and 4 law.

LIBRARY.

During the year, emphasis has been laid upon the administration of the library by those having a professional training. The additions to the staff have been made invariably from graduates of library schools, as well as graduates of colleges. Great satisfaction has been expressed by the members of the faculties over the enlarged usefulness of the library thus administered. The regents have been compelled to pay larger salaries to secure this expert staff. For years, and especially since the fire, the regents have fallen far below the amount that should be appropriated for the administration of the library as compared with the expenditures for books. The situation grows more grave with every day of delay in piling up books that cannot be properly classified, catalogued, and made available for use.

The library board, reinforced with great unanimity by various bodies of professors, in a communication submitted herewith, urgently ask for extraordinary appropriations for books. I deeply sympathize with the request of the library board, and wish it might remain uncut, and yet do not see how it can be done. I have preserved intact the special appropriation of \$4,000 for the Graduate College and this in addition to the standing appropriation of \$7,500 the preceding year for the library. Inasmuch as a general library building was one of those mentioned to the legislature to be erected out of the levy, and this building is much needed and will benefit the whole University, I recommend that material be gathered that can be used for plans for a modern university library building, and that steps be taken to confer with the State Historical Society to see if it will not join with the University in the erection of a common building, as has been done in Wisconsin.

The extracts from the valuable report of the librarian indicate the great progress of the library in its new quarters, and with its new regime as a reference instead of a loaning library, open throughout the entire day and evening daily.

Number of volumes reported in 1901.....	34,946
Number of volumes added in 1901-2.....	3,432
Total.....	38,378

In addition to the above, the State Historical Society has a library of over 20,000 volumes, and the Law College a library of 10,000 volumes which are available.

SOURCES OF ACCESSIONS DURING 1901-2.

Purchase.....	2,271
Gift of United States government.....	277
Gift of State of Iowa.....	42
Gift of other states.....	24
Gift of individuals.....	615
Gift of societies, etc.....	132
Gift, miscellaneous.....	71
Total.....	3,432

PERIODICALS, NEWSPAPERS, ETC.

Periodicals subscribed for.....	327
Periodicals donated.....	47
Newspapers donated.....	47
Exchanges, universities, societies, etc.....	118
Total.....	539

GIFTS, ETC.

The University has been the recipient of two gifts of considerable size, viz:—

From Mrs. E. N. Barrett, of Iowa City, 200 volumes, largely theological, from the library of the late Rev. E. N. Barrett, of this city; from Mrs. Benjamin Myers Failor, of Newton, 150 volumes, largely medical, from the library of Dr. Benjamin Myers Failor.

EXCHANGES.

The matter of University Exchanges has been for years in a most complicated and unsatisfactory condition. Each bulletin has been mailed from the office of the department interested, and there also have been received the bulletins and proceedings sent us in exchange. These exchanges have always been considered the property of the laboratory receiving them, and the University has not in any way benefited by the valuable series of bulletins published by the University. Your librarian has several times complained of this, with the consequence that last fall a committee was appointed to devise some practicable plan of exchange with other institutions and societies, and the librarian was instructed to enter into correspondence with as many institutions and societies as possible.

We have heard favorably from 118 in this country, and hope by autumn to have heard from the equally large number of foreign societies. These publications will all be sent directly to the library, where they will be kept and bound as volumes are completed.

At the same time that the above circular letter was sent out, another was issued to boards of health and important hospitals in this country and Great Britain, asking for reports. This let-

ter has also been generously replied to, and every mail brings us in additions to this collection.

A little earlier in the year requests were sent to the secretary of state of each state and territory in the union asking for state documents. So far, 20 have replied with more or less large shipments, 5 have signified their inability, and the others have not replied at all.

Among these three sources, the University will come into possession of much valuable material. The exchange lists are all being put on a permanent basis, so that we may be assured of keeping full files in all these lines for the future.

CATALOGUING, ETC.

The board of regents at its last June meeting authorized the appointment of an expert cataloguer.

Of necessity, through lack of assistants, the cataloguing had been done in only a skeletonized form since the fire of 1897, the main object being to make speedily available as many volumes as possible, as the University was left at that time with no books to work with. The time has now come, however, to bring this work to full completion, and Miss Wood has attacked the work with great courage. It soon became evident that one person could not keep up with the current work, much less fill up any of the partially completed past work, and this spring we have put Miss Margaret Budington into that work also.

REMOVAL OF THE LIBRARY.

By June, 1901, the library had grown to such size as to be seriously crowded there, and as there was some danger from fire, it was decided to place the library in the new fireproof building of the College of Liberal Arts. * * * This arrangement gives us a large, well-lighted reading room, but not sufficient book room, so that we have been obliged to establish five additional departmental libraries, viz:—Latin, Greek, French, German and Scandinavian, thus making twenty-two in all, and leaving in the general library only the books relating to English, Political Science, Political Economy, History, Sociology and such as are not related to any department in particular. Of these, the books

relating to English have been placed at the end of the big reading room, the others in a room over the main entrance to the building. There being little room for growth in this room, shelves have been built in the corridor for the accommodation of public documents, and a sub-departmental library has been established by placing all state documents in the office of the Professor of Political Economy.

THE MEDICAL LIBRARY.

As was reported last year, the entire medical library was lost by fire in March of 1901. The board of regents at its June meeting appropriated \$1,000 for the rehabilitation of the Ranney and Peck Memorial libraries lost at that time. This fund has been nearly all expended, and the University Medical Library consists of 163 volumes, including some gifts and a few volumes that were out at the time of the fire, and not including periodicals subscribed for but not yet ready for binding.

EVENING OPENING, CHANGE TO REFERENCE BASIS, ETC.

Beginning with the fall term, the library has been kept open during the noon hour, and beginning with the winter term has been kept open continuously from 8 a. m. to 10 p. m. This, of course, necessitated the placing of the library on a strictly reference basis, which was not achieved without much complaint.

MUSEUMS AND LABORATORIES.

The extensive and valuable natural history collections have literally filled all the space in the present science building available, so that there is room for only one more wall case in the museum. I have recommended in the budget an appropriation for this case to contain the ethnological material brought back from the Philippines by Mr. H. M. Griffith, of the Iowa Volunteers, formerly a student in the University. An appropriation is also included for boxes to contain a further installment of a collection of insects that Assistant Professor H. F. Wickham is proposing to present to the museum. I further include in the budget a recommendation for the purchase of a considerable order of museum jars and bottles for the collection of alcoholic material

with which it is expected that Professor Nutting will enrich the University from the cruise of the Albatross in Hawaiian waters. This collection will be of extraordinary value and of considerable bulk. It is a relief to know that the store room devoted to the use of the museum in the fire-proof Hall of Liberal Arts has become the depository of certain invaluable specimens that were exposed to fire in Science Hall.

As a fire-proof museum was one of the buildings proposed to the legislature to be erected from the proceeds of the levy, I recommend that the departments concerned should be asked to be gathering ideas for a modern fire-proof museum, and that the regents should announce, to relieve the friends of a library building, and of a museum building, that at least temporarily the two might be housed in one building.

We are able to rejoice that an entire building having been given to the department of physics, its laboratories can have sufficient space. I recommend that in the budget be given the necessary improvements for the physical laboratories, and I only regret that the full amount for the completion of the laboratories cannot be given at this time.

I recommend for the enlargement of the laboratories of geology, to meet the demands of the new chair of petrology and economic geology, a small appropriation to be expended upon the eastern portion of the basement of Science Hall. It is further recommended that a small appropriation be made for the western portion of the basement in behalf of the laboratory of the department of morphology and biology. There is herewith submitted to the board a communication from the science committee of the faculty of Liberal Arts, showing the need of immediate enlargement of laboratory capacity, which much more than justifies the above recommendation.

The construction of the new medical buildings affords an outlook for the further expansion of the laboratories of the departments of science in the College of Liberal Arts, by the removal of the departments of physiological chemistry to the medical buildings.

COMBINED COURSES.

The elaborated announcement a year ago of combined courses—a significant feature in modern universities—between the colleges of liberal arts and of law, the liberal arts and of medicine, is followed up by the announcement of a combined course between the college of liberal arts and of dentistry. With the expansion of the academic year in all colleges to one of nine months, it is now even possible to have something of combination between the College of Liberal Arts and of Pharmacy and an interlocking of courses among the professional colleges.

The improvements made by the regents last year upon the athletic field show that it is capable of becoming one of the best athletic fields in the country. While an appropriation of the same amount as last year would be desirable, in view of the state of the budget, only one-third of last year's appropriation is recommended. This is necessary to care for and preserve what has already been done.

The faculty of Liberal Arts in their revision of courses of study require two years of physical training of the young women. This will make it necessary to provide a place. The director of physical training suggests the use of the second floor of the armory as a temporary gymnasium for the purpose. I recommend that this request be granted, with the proviso that the occupation be temporary and that the building be assigned to the electrical and mining engineering work as soon as they may need it and the military department can be removed. I recommend the small amount in the budget for the necessary apparatus for the training of the young women be allowed, and I concur further in the request of the director of physical training that the dean of women be given an official recognition in the department of physical culture.

BUILDINGS AND GROUNDS.

I am happy to report that from the \$23,000 appropriated by the legislature for additional grounds for the purpose of the erection of a medical and other buildings, that by the expenditure of \$22,500 we have secured the site most desirable for the medical building, and at the same time the lands have been so located

as to insure ultimately a new quadrangle for the University and the carrying out of a part of the plans presented to the legislature for the expansion of the campus.

It is evident that the budget will not permit the extensive repairs to the fence and the sidewalks necessary not to offend visitors. I recommend that the superintendent of grounds and buildings, or the superintendent of construction and maintenance be asked to report to the next meeting of the board the expense of what is absolutely necessary to remove the scandalous appearance of the fence and the campus.

The plats which were prepared for the benefit of legislative committees, showing the proposed contiguous expansion of the campus and its improvements, have created much enthusiasm.

At the entrance upon an enlarged building era, the regents have already wisely taken the step to appoint a permanent superintendent of construction and maintenance, an expert, practical man, able to watch proposed buildings from their very inception.

HOSPITALS.

The reports of the directors are submitted herewith. In both hospitals there has been a greater degree of harmony and efficiency in the administration than before. The board of control commend the economy with which the hospitals were administered, and still they give us apparent deficits. It is not desirable that these hospitals, which afford us laboratories and clinical privileges for our medical colleges, and bases for our nurses' training schools, should be too narrowly run upon a commercial basis.

Both hospital staffs have raised a question of improving the courses in the training schools, raising the requirements for admission and graduation. There is such a demand for nurses, and we have such facilities at hand if we organize them better, I recommend the regents to add from their own number a committeeman to the committees of the hospital staffs to investigate this subject. As we already have good nurses' training schools, we ought to have those that are unsurpassed.

The extracts from the reports of the principals of these schools indicate their present prosperity.

NURSES' TRAINING SCHOOL.

The number of applicants to enter the University Hospital Training School during the past year was thirty-two. Sixteen were admitted as probationers. Of these, nine have been accepted and allowed to continue the work as pupil nurses. At present there are in training fourteen nurses and one probationer.

The year has been one of arduous work in the hospital. We have received over fifty calls for nurses, only eighteen of which could be responded to. An increase in the number of pupils would therefore seem to be a necessity. The consideration of more commodious and appropriate sleeping quarters for the nurses is earnestly requested.

HOMEOPATHIC HOSPITAL NURSES' TRAINING SCHOOL.

The past year has been a profitable one in our training school.

There have been seven probationers received; five accepted, one dismissed, one still on probation. At present, there are eight young women at work in the school, four of whom constitute the graduating class of 1903.

Besides the work in the school, in which the nurses have cared for two hundred and seventeen medical, obstetrical, and surgical cases, the senior and junior nurses have cared for nine outside cases.

The nurses have received lectures on anatomy, physiology, bandaging, anesthesia, and obstetrics, from the physicians of the school, and a course in dietetics and practical nursing has been conducted by the principal of the training school. The nurses have done very satisfactory class work as well as practical work.

The call for nurses is so great that it is to be hoped the school will go on doing even better work than in the past, sending out efficient nurses to supply the great demand.

The following extracts from the directors of the hospitals show the great work they are doing for the people of Iowa in a philanthropic way, and what sources of strength they are for our medical colleges. We are surely overcoming the objection that

we have not sufficient clinical material in Iowa City. Including all the clinics, dental and otherwise, a year gives the marvelous number of above 11,000 cases in clinics of all kinds.

HOMEOPATHIC HOSPITAL.

The work in the hospital for the past year has compared favorably with that of previous years. In some of the departments the increase is notable, while in others, I regret to say, there has been a lamentable decline. The number of admissions up to May 1, 1902, was 217, as against 204 a year ago. The out department, which is almost entirely made up of patients for the medical and eye and ear clinic, shows but 167 cases, against 201 last year, which leaves the aggregate, in both departments, "house" and "out," 384, as against 405 a year ago.

ALUMNI.

The Alumni Association is showing increased activity through the devotion of its officers. It withdraws its request for the petty appropriation of \$100, legitimate though it seems to them, for the expenses of a so-called banquet. The association is a vital one for the cultivation of University spirit and for aiding the University in making its commencement season a success, and there are other expenses than those of the banquet. The officers of the association are seeking the closest possible co-operation with the University, as are certain associations of alumni like the Elder Daughters. They desire the preparation of an alumni register, something that is almost indispensable for the daily administration of the University.

It is hoped that the University will be able to reciprocate the good offices of the alumni. The faculties have incipient bureaus of appointment to aid alumni in securing fitting positions. I trust that the regents will favor these enterprises of the faculty. It ought to be widely known that there is a greater demand for graduates of the University than we can supply.

The Graduate, or University College, under the able administration of Dean Weld and the graduate council, is more and more fulfilling its offices as the nexus of all the colleges in the University, and as the crown of the College of Liberal Arts and

of the associated colleges of the state. I embody the greater features of Dean Weld's report.

GRADUATE COLLEGE.

Upon the institution of the Graduate College in June, 1901, there were enrolled 78 graduate students. Of these, there were 26 who were not candidates for degrees. Of the remaining 58 candidates for degrees, only 17 were in residence. During the succeeding year, 1900-01, the attendance increased to 148, of which number 83 were in residence, the remaining 65 being candidates *in absentia*. Of the 83 students in residence, only 52 were candidates for degrees. During the current year, the attendance has fallen to 127. However, this does not represent any actual decrease in the work of the college. With the large number of non-resident students at first appearing upon our rolls, it was inevitable that this apparent decrease would follow, owing to the fact that students of this class are always liable to lapse without giving notice, while their names appear in the catalogue from year to year. It is believed that no names will appear in the forthcoming announcement except those of *bona fide* graduate students.

The total number of candidates for each degree is given in the following table:

Doctor of philosophy.....	16
Master of arts.....	62
Master of science.....	28
Civil engineer.....	2
Mining engineer.....	1
Not candidates.....	18
Total.....	127

The contemplated introduction of graduate work into the curricula of the professional colleges and the consequent enlargement of the graduate faculty until it shall comprise the faculties of liberal arts, of law and of medicine, will inevitably lead to the delegation of greater powers to some such representative council as that already in existence. In this connection I would call attention to the desirability of organizing graduate courses in certain departments of the College of Law and in others of

the departments of the College of Medicine, subject to conditions analogous to those under which such courses are already offered by the departments of pathology and bacteriology, of histology and embryology and of chemistry and toxicology in the College of Medicine. Such a policy will not only broaden the scope of the Graduate College but will, at the same time, tend to raise the standards of our professional departments. As has been the case in the College of Liberal Arts, so in the professional colleges, it will be possible to offer special work only upon enlarging the faculties in question by the appointment of specialists duly qualified to conduct research work.

The list of fellows and scholars for the last year numbers 24, an increase of 50 per cent over the number for the preceding year, and there is now scarcely a department represented in this college which has not its fellow or scholar. * * * The number of applicants for such positions is fully twice as great as last year, and the number of institutions which they represent is significant. I am, personally, convinced that we should encourage the appointment of fellows and scholars from other institutions, particularly from Iowa institutions. * * * Five of the nineteen appointments recently made were from other institutions, while five more have been conferred upon students who have taken only the last one or two years of their undergraduate course in this University.

THE DEAN OF WOMEN.

In these days of something of reaction against co-education, it is well that we are prepared to meet the opponents of certain extremes in co-education and to justify sound co-education with the proper recognition of sex, with a recognition of the freedom and equality of woman in the kingdom of education, through the office of a dean of women. It is a difficult place to fill. Something of criticism of it must be expected, but it in turn may be proof that the office is efficient. The major portion of the report of the dean of women is embodied here.

I. ENROLLMENT.

The number of women students in the University for the year 1901-02 has been as follows:

Graduate College.....	42
College of Liberal Arts.....	254
Summer session.....	85
College of Medicine.....	17
Nurses' Training School.....	12
College of Homeopathic Medicine.....	1
Nurses' Training School.....	5
College of Dentistry.....	8
College of Pharmacy.....	1
College of Law.....	0
Professional students taking work in Liberal Arts..	4
Duplicates.....	37
Total number of women.....	392

II. BOARD AND LODGING.

About 33 per cent of the women students live at home or with relatives in Iowa City; 20 per cent find lodging and board in the same house; 4 per cent keep house for themselves, and the remaining 43 per cent lodge at one house and take meals at another or at the restaurants or hotels.

III. ORGANIZATIONS.

The following student organizations are made up entirely of women:

1. <i>Literary Societies</i> —	
Hesperian.....	43
Erodelphian.....	52
Octave Thanet.....	18
2. <i>Sororities</i> —	
Kappa Kappa Gamma.....	21
Delta Gamma.....	12
Pi Beta Phi.....	11
3. <i>Religious</i> —	
Young Women's Christian Association.....	125
4. <i>Social</i> —	
Professional Women's League.....	44

IV. PHYSICAL CULTURE.

This has been an entirely voluntary work paid for by the students. There have been fifty women of the University in the physical culture class this year besides outsiders.

The faculty of the College of Liberal Arts has voted to require this work of freshmen and sophomores next year.

SUMMER SESSION.

The increase last season of the summer session by one-third and more, with the maintenance of the quality of the attendance, consisting of superintendents, principals and some of the best teachers of the state, has justified the board in providing in the budget of the current year for an increase of above \$1,000. The announcement of the summer session for this season is thereby greatly enriched, and the outlook for this important department of the University was never better. The decided success of the library school under the auspices of the State Library Commission, conducted as a department of the University summer session, makes one hope that the library school will become a permanent fixture. The commission, in conference with the dean of the summer session, have provided a tempting programme for the library school, in which several distinguished specialists will appear. A feature will be made of juvenile books.

THE DEAN OF THE COLLEGE OF LIBERAL ARTS.

SIR:—I am happy to report a very satisfactory year in the College of Liberal Arts, characterized by marked devotion on the part of the instructional staff and faithful and successful work by the students. The general conduct and order have been good and the cases of serious discipline few.

I would call attention to the smallness of the Junior Class, which I think is largely due to the inauguration of longer courses in the professional colleges, which have induced many students for lack of money or time or both to abandon this college. The increase in the Freshman Class is marked and I trust is the precursor of larger classes in the immediate future. I note also the good increase in the summer school and also a large one of Freshmen students in the classical course.

The changes made during the year in the organization of the work of the college, though very conservative, I believe to be a real improvement. The division of the year into semesters will lighten the work of the registrar's office and is in harmony with most other universities and of the larger high schools from which we may hope to receive students in increasing numbers in the middle of the year. This division will also save the time of students and tend to emphasize continuity of work by reducing changes of schedule to a minimum. The Philosophical B Course, now abandoned, has served a very useful purpose in bridging the chasm between the small high schools and the University at a time of transition from English courses to Latin courses now happily offered in practically all high schools. It is probably wise to cease giving credit for Cicero and Virgil as now fixed by the new course, but the original function of Philosophical B must be continued under different conditions.

The courses of study as now modified seems to me to have found the golden mean between the old fixed courses and the extreme elective system. Full freedom of choice sounds well, but experience shows that the immature student is ill fitted to use it. The present plan demands a definite preparatory course and fixed requirements for the freshman year, allowing a choice between five courses, with a very large elective freedom beyond. Thus this college casts its influence against the invasion of the high school by the craze for extreme election, which would work a certain and real detriment to secondary education. Our courses, too, allow abundant opportunity for specialization, but only after a reasonable preparation on fundamental subjects—a condition essential for concentrated special studies worthy of the University. It is too much to expect that these courses are the final mold of the work of this college.

The occupation of the Hall of Liberal Arts this year forms a notable era in this college, or rather that part of it domiciled here. The dream of ten years as materialized in this fine structure, has more than met our expectations in comfort, convenience and serviceableness.

During the three years of the incumbency of Professor Ansley, the English department has been thoroughly reorganized

and its efficiency so increased as to deserve special mention. I do not mean to say that the work is better than that of other departments, but that from the weakest and most indefinitely organized it has come to rank with the most efficient and influential, a thing of great consequence to the University on account of the fundamental relation of this department to all its work.

The new chair of Public Speaking has fully justified its creation, and for the first time in our history the University takes rank with other universities in this department of work.

Professor Fairbanks has made a fine beginning in instruction in Ancient Art, and it is much to be desired that he should succeed in developing a taste for art nowhere more needed than in the Middle West. He should have all needed appliances for his work, particularly in a steady increase in casts and pictures, at no distant day, I trust, to be developed into an art gallery worthy of the University.

I am in hearty sympathy with the action of the deans recommending strong support of electrical engineering and the scientific departments in general, but I would add to these the departments represented in the School of Historical and Political Science, including Commerce. Whatever may be thought of this development abstractly, it is necessary to the University unless it is to fall behind other universities in this popular and important line of subjects.

I trust that the regents will make adequate provision for the physical training of women as recommended by the faculty of this college. Considering the amount appropriated for athletics for men, this request cannot be regarded as extravagant.

The Richards and George incidents enforce the necessity of an advance in the salaries of tried and able instructors. Only ignorance of the ability and scholarship of our best men or their own attachment to their work here saves the University from the hand of the spoiler. Sporadic advances to retain instructors offered a place elsewhere, though justified by the exigency, are sure in the end to breed discontent among men equally capable but less fortunate.

The precedent set in the year's leave of absence granted to Professor Patrick is a step in the right direction. The institu-

tion of the Sabbatical year in some form would bring ample returns to the University in the enrichment of its instruction and in some degree take the place of an increase in salaries.

The settlement of men's fraternities in chapter houses has become a marked feature in University life within the last few years. I am inclined to think the influence on the whole good, but some phases of it and some incidents connected with it prevent an unqualified endorsement. Some such homes for young women, not necessarily or perhaps preferably in organized groups, if under proper supervision would be a great advantage to the women and to the University.

BOTANY.

Our pharmaceutical students have had just double the usual amount of attention, particularly in the work of Pharmacognosy. This, with lengthened year for that college, has had the most gratifying results. The general morale of the present class has been improved and the work of students in all departments of botanical study is surprisingly better.

Mr. Shimek has completed and forwarded to the Bureau of Forestry a remarkably complete and exhaustive report on tree-planting on the prairies as illustrated by the case in Iowa. This has cost the labor of several years and will be a contribution to the science of this country.

The summer school at the lakes last year proved an unqualified success.

During the year, field-work within the state has been prosecuted diligently. By the courtesy of the C., R. I. & P. railway we have been able to make several long excursions to the great advantage of the University. * * * We have laid out great plans for similar work, both within the limits of the state and beyond, all to be prosecuted in the ensuing year.

CIVIL ENGINEERING.

The demand for our graduates, and even our underclassmen, continues to be most gratifying. Of the seniors so far placed, the average compensation is \$750 per year. The remaining two have declined positions at \$720 per year, and I have other po-

sitions at the same salary and expenses I am as yet unable to fill. In this connection, I may mention that so far as time has permitted I have extended the employment bureau for our engineering alumni, and have been able to advance quite a number to better positions.

EDUCATION.

The *attendance* has been a little larger than last year. The students taking the work have been decidedly superior to those taking the work last year. It has been possible to maintain two advanced courses for which no one registered last year. In the advanced seminary we have had seven students this year, while there were but three last year. All of the seven this year were better prepared than any of the three last year. This year there have been six graduate students, as against two last year. The number of graduates *in absentia* is naturally smaller this year than last. During the year there have been 241 registrations for the different classes; last year 199.

INSPECTION OF SCHOOLS.

I believe the work of inspection has been carried on vigorously and effectively and that the bond between the public schools and the University has been strengthened. Doctor Brown will have visited by the end of the year approximately 75 schools. I have visited 5.

OUTSIDE LECTURES FOR THE DEPARTMENT.

During the year, about 20 lectures have been given by heads of other departments upon the teaching of their special subjects. An extension of this is planned for next year. It is also recommended that prominent superintendents from this and other states be invited to give special lectures. For the *summer session* the plan ought to be much widened.

One of the imperative needs of the University, if the Department of Education is to grow and increase in usefulness, is the establishment of a *school for practice teaching*. All the important schools of education are establishing such adjuncts. Theory alone is not sufficient for the training of teachers. Ex-

emplification of means and methods must be provided for. Universities are destined to be the institutions where high school teachers will be prepared. The establishment of such a school would necessarily demand a considerable outlay. The exact amount would depend upon the plan pursued. I should be very much pleased to submit plans if desired. The needs of such accessories are no less imperative than clinics in modern medical instruction and laboratories for science.

In the near future it will be of importance to extend the *educational museum* already begun and equip it with illustrative maps, charts, school apparatus, cabinets, etc.

ENGLISH.

The work of the department has been heavier than last year, because the attendance has increased, and for the same reason the work last year was heavier than the year before. For the two years, the increase amounts to 200 students, or 33 1-3 per cent. (This is exclusive of the work in Public Speaking. The computation is based upon the attendance for fall terms.)

The high school work in English required for admission to the freshman class was last year increased from 1 2-3 years to 3 2-3 years. This year it was further increased to 4 years. (Five recitations a week.)

FRENCH.

Besides this work, which is given in 46 hours a week, mention may be made of the establishing in this university of a branch of the "Alliance Francaise" of Paris.

GEOLOGY.

I have the honor to report that during the academic year now drawing to a close, the work in the Department of Geology has made gratifying progress. The new courses in Petrology and Economic Geology have been ably presented by Professor George.

Allow me to repeat the complaint of the years gone by, and say that our work has been greatly hampered by reason of lack of room.

The relations of Geology to Mining and Metallurgy become each year more intimate. The mining superintendent and mining engineer must now, first of all, be geologists, thoroughly grounded in all that science can teach relative to the origin, structure and composition of rocks and the genesis of ores and minerals. Furthermore, mining offers opportunities to bright young men such as no other career opens up at the present time. The demand for brainy, honest, thoroughly equipped men to take charge of mining enterprises is far greater than the supply, and the rewards are fully equal to those of any of the professions. This University has done wisely in providing for instruction in mining. Had it failed to do so, it would have failed to meet the demands of its constituency, the demands of the time.

Special attention is called to the generous and valuable gifts by Messrs. De Sellem and Paschal, of the lead, zinc and other ores from the Joplin District of Missouri; and it would be very difficult to place a proper value on the munificent contribution of the Hon. Frank Springer, which comes to us in the form of a slab in which are perfectly preserved some thirty or more specimens of that very rare and most unique of fossils, the *Uintacrinus socialis*.

GERMAN.

I would respectfully draw your attention to the numbers of students in the graduate's courses. Not all the members of these classes are graduates, but all have done enough undergraduate work in German to pursue with success graduate study in that subject.

The departmental library has aided very materially in the prosecution of the advanced courses, and its presence in the seminar room adjoining the quarters of the department is an additional advantage. I have to report that the department of students in the library room has been in every respect above criticism.

GREEK.

NUMBER OF STUDENTS.—The number of students beginning Greek has risen from 12 last year to 30 this year. The abnormally low number last year was apparently due to the statement

that the University would not give credit for this work. This year the old practice of giving credit in Greek I has been resumed, and a gratifying increase in number has resulted.

This year the number of students in the elective courses is considerably more than last year, and several extra courses have been called for.

SOCIETIES.—The Greek Club has held weekly meetings. An Iowa branch of the American Archaeological Institute has been formed, including six members of the faculty of this University, and next year we expect two or three public lectures to be furnished by the institute. Mr. Fairbanks has been elected a member of the governing council of the institute to represent this branch.

HISTORY.

The elective courses in History attract an increasingly better grade of students. The number of graduate students grows.

The seminar in United States History has done unusually fine work during the year. In research work, we are hindered by the lack of source material. One of the crying needs of the University at present is the upbuilding of a better graduate library. It is along the line of research work that the Department of History must do the great work of the future in this institution.

On the whole, the work of the past year has been the best of the eight years during which I have been identified with this University.

LATIN.

I take pleasure in reporting a prosperous year in the Department of Latin. The Registrar's report will show a gratifying increase in numbers over last year and a rather notable one in the regular freshman class.

As the courses in the Historical and Political Sciences are multiplied and made more attractive there is an increased tendency and quite naturally so, on the part of men to enter upon these in preference to advanced Latin and the other literary courses as more directly practical for those looking forward to law and public life. Women are therefore more and more largely in the majority in the advanced and elective literary courses—a

fact which in no wise lowers the standard of scholarship in these courses—but we cannot help regretting that any influence induces young men to omit from their schedule the courses most fruitful of the broadest culture, which none need more than men whose future life is likely to be largely occupied by other interests.

MATHEMATICS.

The total number of students enrolled in this department during the current year has been 326, an increase of 57 over the enrollment of last year.

I merely wish to repeat my request for an additional instructor. The instructors are now worked up to the legitimate limit of from 15 to 18 hours per week. No section in freshman mathematics should exceed 24 in number, and when exceeding 30, as has frequently been the case, both student and instructor are at a serious disadvantage.

MILITARY SCIENCE AND TACTICS.

Special attention is being given to target practice this term. An excellent 300-yard range has been secured.

This department was inspected December 6th, 1901, by Captain James B. Erwin, Fourth United States Cavalry, Acting Inspector General, Department of the Missouri; by Governor A. B. Cummins, April 18, 1902, and May 6, 1902, by First Lieutenant John McClintock, Fifth United States Cavalry, Acting Inspector General, Department of the Missouri. The reports of the war department officers are on file, or will be in due time. I am sure they will show the military department of the Iowa State University to be, as it is, in a quite satisfactory condition.

MORPHOLOGY.

The present year has been the most successful one in the history of the department—successful in point of solid internal growth, in investigations carried forward, in the breadth and scope of the instruction given to students, and, not least of importance, in the healthy scientific enthusiasm exhibited by all coming within our influence.

INVESTIGATION.

The results of three investigations have been brought to publication during the year:—

- (1) The Neurones and Supporting Elements of the Brain of a Selachian, by Gilbert L. Houser.
- (2) General Methods for the Study of the Nervous System, by Gilbert L. Houser.
- (3) Intracellular Canaliculi of the Liver, by Gilbert L. Houser.

Investigations have been carried forward by other members of the department as follows:—

- (1) The Digestive Tract of *Ictalurus Punctatus*; a Study in Comparative Metabolism, by Frank A. Stromsten.
- (2) The Development of the Box Elder Bug, by John J. Lambert.
- (3) The Nerve Cells of the Spinal Cord of *Necturus*, by John J. Lambert.

Besides these studies, the several graduate students of the department have been directed in work which will, in certain instances, properly lead to research in the future.

SEMINAR.

The eight resident graduate students of the department are each working along lines of biology which are somewhat distinct. The morphological seminar has been conducted during the present year for the first time.

INSTRUCTION.

During this year, the courses of instruction in animal morphology and physiology were new ones. They mark a notable advance in scope of treatment, in natural sequence of the subjects presented, and, above all, in the recognition of fields more recently added to biological science.

The mode of presentation has also been changed this year, involving a separation of lectures from laboratory periods, together with a scheme for laboratory work which is everywhere coming into favor in larger institutions. The new plan has met the hearty approval of students.

INTERNAL GROWTH.

Years of internal preparation are required to fit a department of animal morphology for the carrying out of such work as we are doing today. Our equipment of microscopical slides, anatomical preparations, classroom charts, and such things has grown notably. This fact means that we shall be enabled to start at a higher level in work of next year than ever before.

PHILOSOPHY.

The enumeration shows that fifteen courses have been given during the collegiate year, in addition to the work with the graduate students *in absentia* and three courses in the summer session.

The students have shown great interest in their studies. Our new apartments have proved to be exceedingly convenient and wholly satisfactory. Our new laboratory rooms we have found to be without exception perfectly adapted to the purposes for which they were planned.

Our graduate work is developing in a satisfactory manner. Six graduate courses have been given, of which three were given for the first time this year. For the first time in this department, I gave a course in *Æsthetics*.

I should call your attention to the fact that by the recent changes in the courses of study, psychology as well as logic, ethics and all the branches in this department have been made absolutely elective.

I am pleased to report that Volume III of our studies in Psychology is now in the press and will be ready shortly. It will contain more than 150 pages and will represent the results of some of the independent researches carried on in our laboratory during the past two years.

PHYSICS

One of the most auspicious events in the later history of the Department of Physics was the action of the regents by which it came into possession of the whole building on the removal of the general library. Much of the appropriation made for the department a year ago has gone towards improvements necessary to enable us to take some advantage of this increase of space.

It is now more than ten years since we ventured to publish a course in electrical engineering, and the hope was then strong that the building up of a respectable equipment would proceed, if not rapidly, at least with constant gain and advancement. But the funds have been so inadequate that these hopes have not at all been realized. Much hard work has been done with the means at our disposal, and the men who have pursued the courses offered have either become electricians or electrical engineers and have done their share in honoring their alma mater.

POLITICAL SCIENCE.

During the current year, the Department of Political Science has given, in addition to the courses announced in the calendar for 1901-1902, the following courses:

"Colonial Government and Administration," three hours.

"Political Science Conference in Current Events," two hours.

The object in giving these courses has been to keep the students of the department in touch with current politics and problems.

PUBLIC SPEAKING.

With an office for the chair of Public Speaking and suitable recitation rooms for the use of the classes, the whole work of this department has advanced in tone, standing and character among the students. No longer is the excuse available that there is no place suitable where the students can do the work demanded by the instructor.

TEACHING FORCE.

The addition of an assistant and scholar has been of great value in many ways.

STUDENTS.

The number of graduate students taking the courses has greatly increased. To the number actually enrolled there must be added at least 25 per cent to cover the persons who receive training but are not regularly enrolled, such as the debaters and orators who represent the University in contests between the University and sister institutions.

DEBATE AND ORATORY.

There has been a decided advance in the character of the work done. There has been a decided advance also in the ideals in the work of the literary societies. Illinois has been added to the list as one of the institutions with which we shall hereafter have a debate.

There is need of scientific study of Public Speaking, and there is a fine opportunity for it in connection with the University of Iowa.

SCANDINAVIAN.

Five courses have been given, the total number of hours per week being eleven. In the fall and spring terms there were seventeen; in the winter term nineteen registered for and were in attendance upon these courses.

The lack of some important but unfortunately expensive works, as well as the lack of complete files of the most important philological periodicals in Scandinavian has been felt.

It would be well if a special appropriation could be made for the purchase of periodicals. Much valuable material has, however, been added to the Scandinavian library this year, and a beginning has, at any rate, been made toward establishing in Iowa University the best, if not the largest, Scandinavian library in the country.

SOCIOLOGY.

The current year has been one of distinct advance for the subject of Sociology in this University. The differentiation of courses in Sociology and their natural affiliation with other departments, particularly with Economics, have been worked out during the current year.

The advanced courses have been more numerous and better attended than in any previous year. The absence, or, more correctly, the comparatively small number, of women in the Sociology course, is noteworthy. It is to be explained, I believe, on the one hand by the failure to appreciate adequately the scope and practical aims of modern scientific Sociology and on the other hand by the habit of years to take certain lines of study which are deemed more suitable for women.

I think we should at the earliest date possible add courses in household economy to our regular courses of instruction.

ZOOLOGY.

The general plan of work in the department is similar to that pursued in 1900-1901, three principal courses forming the foundation upon which special and graduate students may base advanced studies. These courses are:—(1) Systematic Zoology, intended to form an introduction to the science, five hours a week; (2) Entomology, an introductory study of insects, embracing both classificatory and economic problems; (3) Speculative Zoology, dealing with the development of the recent theories of evolution, descent, and so on. All of these courses have been well attended, as will be seen by reference to the report furnished the registrar.

The equipment of the Zoological Laboratory has been improved by the addition of microscopes and individual lockers for the students. While extremely crowded for room, this has resulted in a distinct improvement in the work. A dark room has been fitted up for photographic work.

MUSEUM.

The care of collections of material of the sort contained in the Museum involves a great deal of routine work which makes no apparent show. The identification and classification of new material takes a large percentage of the time which can be spared from the chair of Zoology, which is under the same direction.

The material moved from Science Hall to the Hall of Liberal Arts comprises (1) nearly all of the alcoholic specimens not on exhibition; (2) the first, or reference, series of bird-skins, and (3) all of the unmounted mammals.

In the line of new equipment, the Museum has two drawer cases for reception of alcoholic material in the storage room, these cases containing forty and twenty drawers, respectively. This allows us to arrange the specimens intelligently and conveniently. One case of drawers for birds has been moved from the attic of the Science building to the Liberal Arts building, and the same disposition has been made of the large storecase for mammals.

Accessions to the Museum collection number 130. Among the most important of these may be mentioned:—Skeleton and skin of Capybara; mounted specimen and skeleton of Pangolin; skeleton of Agouti; skeleton of Cormorant; a lot of marine forms from Wood's Hole, collected by Mr. Bell, and a good series of nests and eggs of water birds, collected by Mr. Anderson.

COLLEGE OF MEDICINE.

The untimely death of Dean Middleton has afflicted the College with an irreparable loss. As one of the founders of the school, connected with it in various capacities from the beginning, he has been able to do for it what no other can. His personality and loyalty, endearing him to all, must now be our inspiration for the future.

ANATOMY.

During the year now closing, the department of anatomy has been conducted with more thoroughness than in any previous year.

The work in dissection has been very satisfactory. We were fortunate in being able to secure ample material for this department. The legal enactments relative to the disposition of unclaimed bodies which may be used for dissection, provide us with about one-fifth the required number; the remainder (four-fifths) are obtained from points outside the state.

CHEMISTRY.

In spite of the loss of both instructors in this department, the work has been carried on with results not less satisfactory than in previous years. With the increase in length of session, the course of study has been somewhat extended, but much of the time thus gained has been devoted to more thorough and careful work.

HISTOLOGY AND EMBRYOLOGY.

The work of this department has been somewhat hindered by the lack of laboratory room, but the plan of work as announced in the catalogue has been closely followed.

The laboratory has been open, so that students have been able to get in almost any hour in the day or evening.

MATERIA MEDICA AND THERAPEUTICS.

Work has been done in the three colleges, Medicine, Dentistry, and Pharmacy.

COLLEGE OF MEDICINE.

Supplementary to the work of the classes, the Sophomores have been required to correct, translate and transfer one hundred prescriptions, as a drill exercise in prescription writing, while the Juniors have each been required to prepare a thesis of not less than fifteen hundred words upon therapeutics of well-known diseases, in submitted cases. The beginnings also, of Experimental Pharmacology have been presented to this class, in small sections. It is the purpose of this department to enlarge much upon this branch of the work in the future.

COLLEGE OF DENTISTRY.

In this college this department has met the members of the Freshman class and Junior class. To the former will have been given seventy-two didactic lectures upon Materia Medica—completing the subject—and thirty-six hours recitations.

COLLEGE OF PHARMACY.

The Senior Pharmacy students were given the entire subject of organic drugs from the standpoint of the dispensing pharmacist and something of Toxicology. A total of about forty hours were given. The Junior Pharmacy class were presented with the beginnings of the subject of Materia Medica and carried to the subject of volatile oils—or over about one-half the work laid out by the department for the Pharmacy classes.

PRACTICE.

The professor reports, in addition to his regular instruction, about 200 hours given to the care of patients in the hospital.

THE DEAN OF THE COLLEGE OF HOMEOPATHIC MEDICINE.

The work in this college during the past year, 1901-02, has been more harmonious than any time since I have been dean.

While it is a pleasure to be able to state that everything has moved harmoniously within the college, I am sorry to say that

the number in attendance has been smaller than for several years. The alumni and other friends of the school, in different parts of the state, have made certain criticisms and have passed certain resolutions which have been most carefully considered. As a result of which it would seem best that changes be made in the chair of Obstetrics and of Theory and Practice.

OPHTHALMOLOGY, OTOTOLOGY, AND DISEASES OF THE RESPIRATORY TRACT.

(College of Homeopathic Medicine.)

Number of hours given to recitations and didactic lectures	112
Number of hours given to clinics	72
Number of hours given to sub-clinics	33
Number of cases treated or operations performed (to May 1st)	126
Number of treatments made (to May 1st)	452

SURGERY.

(College of Homeopathic Medicine.)

The work in this department has been under the direction of myself and assistants, Doctors Peck and Johnson. The total number of hours given up to May 1st, plus the estimated number of hours to be given in May, is 418.

THEORY AND PRACTICE.

(College of Homeopathic Medicine.)

All lectures have been given in accordance with lecture programme of our college, being in all one hundred and eighty didactic lectures, one hundred and eighty recitations and seventy-two hours of clinics.

DEAN OF THE COLLEGE OF DENTISTRY.

The attendance this year was larger than that of last year, as is shown by the table herewith. Owing to the fact of the college changing to a four years' course in 1903-04, we estimate a large incoming Freshman class for 1902-03, from eighty to one hundred students. The fact of our raising the tuition for next session from \$75 to \$100 is causing some talk, but we do not think, at this time, that the loss in attendance of the upper classes will be more than the average loss of each year.

The increased clinical attendance is proof of the good work done at the college: a steady increase of patients coming from a distance is noticed this year.

The Dental faculty have, this year, advised the members of all classes, at different periods, of their respective standing in the different subjects taught. We have found this plan to meet with good results and improvement in the work.

We are indebted this year to the following gentlemen for lectures to our students, who have done so without compensation and with perfect willingness:

Judge Emlin McClain, Dental Jurisprudence.

J. F. Clarke, M. D., General Hygiene.

C. R. Baker, D. D. S., Ceramics and Nitrous Anæsthesia.

DEAN OF THE COLLEGE OF PHARMACY.

The enrollment for the session of 1901-02 was: Seniors, 22; Juniors, 36.

Being the same as for the previous year, when there were enrolled 18 Seniors, 39 Juniors and one special student. In view of the fact that the entrance requirement was raised, I would interpret this as a healthy growth.

The entire Freshman and Sophomore medical classes received respectively short lecture and laboratory courses in pharmacy, as per previous request of the medical faculty. The lecture course to Juniors was increased from ten to one each week throughout the year.

So long as the present standard of requirements for the registration of non-graduated pharmacists remains in force, we can hope to get from the drug stores only those who have an ambition to be more than mere registered pharmacists.

According to promise made by all members of our faculty when the question of the lengthening of the school year to nine months was under consideration, the work in each branch has been considerably extended.

The highest compliment yet paid the College of Pharmacy is its admission to charter membership in the conference of colleges.

It is to be hoped that with the lengthened course it may be possible to arrange for our classes short courses in physiology and physiological chemistry, as suggested last year.

The plan of a combined collegiate and pharmacy course is feasible.

PHARMACY.

An analysis of the course as given in many of the reputable colleges of pharmacy reveals very clearly the fact that their pharmaceutical laboratory work is planned, not with a view to giving the student the kind and variety of work he most needs to fit him for the duties of the practical pharmacist, but rather to employ him in work that costs the laboratory least for material. Iowa has never been guilty of following so ignoble an example.

We presented to the legislature in our requests for appropriations, the importance of sustaining and developing the School of Political and Social Science and of Commerce. It is with poignant disappointment that on account of the condition of the budget I am not able to recommend the addition of a full professor as well as of several instructors. The regents some years ago put their hands to this plow, and with the exception of one adjacent state, we have the start of other universities in this timely work peculiarly fitted to a State University. It is a risk for this school to crutch on, as it apparently must if denied even a proper number of instructors. The professors in the school insist that there must be three additional instructors.

The courses in Electrical and Mining Engineering that we must carry in connection with the departments of pure science, should have heads of their own. I would be glad to have representatives of these subjects heard by the board if it would be possible for the board to find the money.

The attractive and most promising life of the University as represented by the students, does not receive in formal reports of this kind the attention it should. Our students are our joy and crown, and for them all that is presented in these reports is planned. It gives me pleasure to recall that which you and Iowa

have rejoiced in, that the students in their voluntary activities have gained first place during this year in intercollegiate debates and oratorical contests. They have held their own not simply as leaders in friendly rivalry with the students of the colleges in the state, but also with the students in the greatest institutions in the mid-west.

With thanks for the kindness uniformly extended to me by my colleagues in the faculties and by the members of the board of regents,

Very respectfully,

GEORGE E. MACLEAN.

EXCERPTS FROM ANNUAL REPORT, 1902-1903.

I have the honor to submit my annual report for the University year beginning July 1st, 1902. I also submit herewith the full reports of the heads of departments of instruction and of administration, and commend them to your careful perusal. They relate steady and satisfactory progress practically without exception, only that various departments, particularly scientific, complain justly of the lack of room. There is also distress on account of the failure of the legislature to grant an appropriation for the library.

Appended hereto also are lists of lectures given at the University, and of publications by the instructional staff, giving some faint notion of the activity of the University in these directions.

ATTENDANCE.

Despite the increase in the standards of admission, the increase in the length of the courses in the professional colleges to the highest time standards, the increase in tuition in the College of Dentistry, and the cutting off of in absentia students in the Graduate College, put into operation this year, the attendance of the institution has been maintained. In the last biennial report to the legislature, the total attendance—the largest in the history of the institution—excluding a class of 43 in physical training, chiefly outsiders and not continued—was 2,937; for the biennium closing this year, 2,954. (1901-02, 1,512; 1902-03, 1,442.)

NOTEWORTHY FEATURES.

The noteworthy features of the year are the improved quality of preparation of students and consequently better scholarship; the continued and increasing harmony of the faculties and the inter-relations of the faculties of the different colleges in the common University purposes; the enthusiasm and loyalty of the students, tried by some times of excitement and proved by their voluntary pecuniary contributions to all University enterprises as well as their student organizations. The rallying of the alumni under plans adopted at their annual meeting of last commencement is progressing in the hands of their able committee, who are gathering material for the alumni catalogue.

The salaries and wages paid to the business department and the laboring force are below those of any similar known institution in the state, and wages ought to be increased; yet we have excellent care for our buildings and close supervision of those in process of erection. The saving of approximately \$3,000 in the fuel fund this year as compared with last, despite the rise in prices, is significant.

The new secretary of the board of regents has been successful in securing savings by such steps as that of having the College of Pharmacy supply directly many of the medicines for the hospitals. Educationally as well as economically, the step is an excellent one.

The more frequent meeting of the board of regents, and the faithful attendance by the executive committee upon their monthly meetings, has further aided in bringing the business department of the University to a point of high efficiency. It is hard to conceive how a better or closer business administration could be secured.

GRADUATE COLLEGE.

The Graduate College continues to develop without in absentia students as the cap sheaf for all the colleges of the University and the colleges of the state. The request of the presidents of the standard colleges at their conference at the University in November, for the establishment of a University scholarship in their respective colleges, has been heartily endorsed by our graduate council, and I trust will receive your favorable consideration. Iowa must make it possible to secure the highest education within its borders. This step, and the general recommendations of the conference of college presidents show that we are approaching a co-ordinating of the educational forces of the state, whether private or public. The other recommendations of the presidents that have been accepted by the University senate and in part by the committee of the college section of the State Teachers' Association on secondary education, are of interest and show that we are endeavoring to escape the planless production that makes waste in education as well as in manufacture.

I. That a note should be inserted in the blanks issued from the University to be filled by superintendents and principals with information as to the courses of study that those in the graduating class of their school intend to pursue, the note to be similar to that upon the blanks for accrediting high schools and to the effect that these blanks were for the use of the colleges named, as well as of the University. The only expense for the colleges would be for the individual college that desired a copy of the returns; such expense to be borne by the college.

II. That special students in colleges of liberal arts be required to take the entrance examinations in English as well as regular students.

III. That the following points in a report of a commission to the North Central Association of Colleges and Secondary Schools were viewed with favor: (a) Uniform report blanks and a list of accredited schools for the North Central territory; (b) Units of work in subjects to be defined; (c) Plan to give college credit for work done by secondary schools in advance of entrance requirements.

IV. That a plan be devised and adopted to raise the qualifications of secondary school teachers; (a) that they should be college graduates or equivalent; (b) that they should have special training in the subjects they teach; (c) the elements of professional training are also recommended.

V. Special pedagogical preparation.

VI. That reports from all colleges should be made to some authority, of the students coming from high schools and failing in English, the University Examiner to be the authority.

VII. That there should be reports from all colleges to some authority, of students failing in first year college work, and their high schools, such authority to be the University High School Inspector.

Another encouraging sign of unification is the appointment of a committee by the Southeastern Iowa Teachers' Association, to the chairmanship of which the University was elected, for securing a conference of secondary school men with the college men.

The appointment of a commission of five, the University holding the chairmanship, at a conference of educators from the Northwest in Chicago, with Mr. Parkin, representative of the Cecil Rhodes Trustees, is indicative of the effect of developing unity within the state with reference to educational relations even abroad.

UNIVERSITY EXTENSION.

The demands of University Extension, forced upon the University by the constant call for lectures, have resulted in the more distinct recognition of this work by the regents. Under the directorship of Professor Macbride the work flourishes and gives promise during the next year, favored by the small appropriation of the board, of still further showing to the state that this is really a people's University, doing much work outside its own walls.

SUMMER SESSION.

The summer session has come to its own. It showed an increase of 25 per cent in attendance, and it is sought by many of the best superintendents, principals and teachers in the state.

SCHOOL OF EDUCATION.

The special function of the University, to prepare teachers for the high schools and to train the educational leaders who perhaps have all passed through a normal school or a college, is emphasized not only by the summer session, but by the development of courses in the department of education, and indeed, in the various departments of the College of Liberal Arts adapted to the training of specialists. A germinal school of education exists. The tradition of the University, opening with a normal department, favors the school upon a University basis as contradistinguished from that of the normal school, which is primarily devoted to the preparation of elementary and grade teachers. The University and the normal become complementary.

SCHOOL OF APPLIED SCIENCES.

In a similar manner, the departments of science in the institution, which have for some years particularly fostered a movement toward higher professional engineering, give promise, under the name of, the School of Applied Sciences, of doing work complementary to that in mechanic arts in the State College. It will necessarily be a school on university, as contradistinguished from the college basis. The departments of pure science will contribute more to the economic and practical education of our students, and in turn, these departments will gain an impetus

in pure science. Scarcely any institution except one supported by the state can expect to bear the expense of equipping great scientific laboratories and in giving the individual instruction so largely required by modern scientific methods.

We may continue, quoting from a recent publication: "The calling of Professor Frank A. Wilder to the chair of petrology, economic geology and mining, is a most fortunate happening in view of the new school of Applied Sciences. He is a graduate of Freyburg in mining, is now director of the geological survey of North Dakota, and has been an assistant to the Iowa Geological Survey, doing special work in coal, clay and stones, and is therefore particularly fitted to be of great usefulness to the courses in mining engineering.

"In selecting assistants for the various chairs of the University, the needs of the School of Applied Science will be considered in so far that men having devoted special attention to research along the applied lines of their department of study will be given the preference."

SCHOOL OF POLITICAL AND SOCIAL SCIENCE.

The director of the School of Political and Social Science sets forth a similar development in another line in the following excerpts from his report:

"The Iowa School of Political and Social Science in closing the third year of its existence shows a decided gain over the first year in the number of courses of instruction offered and in the number of students taking the courses offered. * * * In the practical operation of the elective system, the result of the students' exercise of their freedom of election is that an increasingly larger proportion of students devote the greater part of their time to the courses in this school under the limitations incident to the prescribed requirements for the respective baccalaureate degrees.

In our last announcement we have formulated not only a general course in political and social science on lines now followed by our larger universities throughout the country, but also a number of special courses of study, among them a course in commerce, and courses respectively in administration, in modern history, and in practical philanthropy. In arranging these courses of study, it has been found possible to draw with great advantage upon co-ordinate departments in the College of Liberal Arts and on the College of Law. Thus, for example, we have secured from the department of mathematics the offer of a course on the mathematical theory of insurance; from several departments of science, courses on the materials of commerce; and from the College of Law, courses on commercial law.

In supplying the post of Dr. Patterson during his absence, advantage has been taken of the opportunity to develop courses in commerce and industry, and several such courses are announced for the first time and will be given next year, as indeed they were in part given during the current year; courses, for example, on the history of commerce, international commerce, including a study of tariffs and reciprocity.

New courses have been added also in the department of history and of political science. It may indeed be said that the immediate needs of the

future are now rather in the direction of intensive rather than expansive development. We need to perfect the work we have taken in hand and in what follows attention is directed to pressing needs of the school in order that the work may be well done. * * * (a) Improved library facilities; (b) other material equipment; (c) additional support for instructors; (d) anthropological instruction and museum. In connection with the further development of courses in sociology, the development of courses in anthropology should proceed, and with this should go an effort to secure a collection of anthropological, ethnological and archaeological material for illustrative use in lecture and class room instruction. (e) Commercial museums; (f) graduate study; (g) special lecture fund.

The practice that the board of regents entered upon last year of endeavoring to hold some of the best men who are called away at higher salaries, by a reasonable financial competition with outside institutions, has continued with good results. As we retained several strong professors last year, so we have done this year, whether the call be from the Philippines or from the East.

ASSEMBLY.

The re-establishment of chapel in the modern form of a weekly assembly has been so successful that there has not been a single session, though the attendance was voluntary, that scores, and oftentimes hundreds, have not been turned away. The religious services have been joined in heartily, and the addresses have become a marked and attractive feature, creating thought and earnest University spirit.

PHYSICAL TRAINING.

In the department of Physical Training, for the first time temporary provision for a gymnasium for women has been made in the basement of the Hall of Liberal Arts, and the work has been required. It has been popular and beneficial, and it has even been asked for as an elective.

ATHLETICS.

In athletics, as in several other things, we have suffered from sensational reports, but the following sentiments from those outside the University will show the reputation we have attained, though we may not have been winning games. Professor C. A. Waldo, of Purdue University, says:

"Anyone who will take the pains to read carefully a pamphlet edited for private circulation by Professor Jones, of Minnesota, and containing the proceedings of the Intercollegiate Conference Faculty Representatives since January 11, 1895, will be deeply impressed with the genuineness of the endeavor of the faculties of our leading institutions here in the Middle West to make intercollegiate athletics clean, helpful and ideal. Athletics are not the purpose of college life. They are its incident.

"One other source of reform has been recently heralded from the University of Iowa; namely, a new, compactly formed, well-guarded intercollegiate athletic society among students who have attained distinction in athletic events, and whose purpose, energetically carried out, shall be to

insist upon an amateurism above suspicion and ideals of manhood, honor and courtesy that will at once and forever eliminate every objectionable feature from our college sports. * * * For one, I shall watch with interest the new development said to have been inaugurated at Iowa. Under wise direction that may become precisely the influence for which we are looking."

STUDENT BEHAVIOR.

In the student behavior, where we have also suffered from unwarranted exaggeration in reports that have been sent out, Dean Carrier well says: "In this respect, I think the University need not fear comparison with any similar institution in the country." It may be added that the student body as a whole has gained in a sense of social obligations; has met its obligations, pecuniary and moral, with a fine spirit, and we believe that there is no student body that has shown itself on the whole more loyal to the University or more worthy of a commonwealth with high moral standards.

COLLEGE OF LIBERAL ARTS.

THE DEAN

"The adoption of the semester plan has worked well. * * * The committee on the Freshman class have been active and efficient throughout the year. * * * Physical training for women has been a real success in spite of the limitations of room and appliances. * * * The matter of suitable homes for young women is one of increasing concern, which I am persuaded must be more adequately provided for if the University is to get its share of the young women of the state seeking college education, especially as better accommodations in this respect are offered elsewhere in the state. Would not the necessary aid from the University treasury be as legitimate as that given to the literary societies or to athletics?"

The following excerpts from the reports of the heads of departments in the colleges will afford first hand report of some of the new or more important features of their work as seen through their eyes.

BOTANY.

"Our library facilities handicap us by their meagerness, but in one or two lines of work are becoming year by year more serviceable."

PHYSIOLOGICAL BOTANY

"The re-adjustment of work in the department of Botany last year left the work in plant physiology and ecology and in pharmaceutical botany, in the hands of the junior professor of botany. * * * The new course in experimental physiology has been successfully tested, but it was handicapped by lack of a separate laboratory and greenhouse, and by inadequate apparatus.

"In his efforts to keep the Iowa collection at the head, and incidentally to provide laboratory material, the curator of the herbarium made frequent excursions, chiefly on Saturdays and during vacations, to various parts of the state, and in this manner added several thousand valuable specimens to the collections during the year."

CHEMISTRY.

The professor of chemistry expresses gratification with the personnel of his staff, and calls attention to the need of enlarged equipment, specifying electrical connection, for which, I believe, the board has made some provision.

"The increase in the length of the collegiate year in the College of Pharmacy has made possible some material improvements and extensions of the courses of study both in Junior and Senior years. Among the latter may be mentioned the addition of a special course in organic chemistry in its pharmaceutical applications, given this year for the first time."

CIVIL ENGINEERING.

"On the whole, the work in the civil engineering department has materially improved during the present year. The practical work afforded by the construction of the large bridge adjacent to the city, which has been under our direction, has been of great value to the Senior and Junior classes. It is not impossible that even more important work of like practical nature will be undertaken in the not distant future. I would mention particularly the course in shop work. It has been well designed and thoroughly and efficiently taught. * * * The facilities of the shop have been utilized by Assistant Professor Smith in objective and experimental instruction in mechanics. This is resulting not only in a better foundation in mechanics, but is preparing the men to do much more advanced work in resistance of materials and laboratory testing practice. * * * In research work the chief lines were as follows:

A new method of the determination of inertia, by deflection of beams.

COMBINED STRESSES IN COLUMNS.

In this, the existence of a new law, (or curve of error of the accepted methods of calculation) was clearly shown to exist. The determination of the law was not completed.

FORCES IN GRANULAR SUBSTANCES.

You have seen a photograph of a loaded sand and paper arch which afforded a popular demonstration of the fact that there are light forces which when resisted—in this case by paper—enables a granular substance such as sand to withstand an enormous pressure. * * * The laws underlying these latter two studies, if found and published, would reach ever corner of the profession, as well as be taken up by the secular press. The same may be said of the results we feel justified in expecting from the studies in methods of cement testing and in a new plan of water filtration. * * * The demand for our graduates is even greater than ever. The average salary of the Seniors, right from the class room, is about \$800."

EDUCATION.

"I am pleased to report a considerable increase in the number of students in the department. The quality is also the best we have had since I have been connected with the department. * * * There has been a

very steady growth in numbers in the department. Counting each registration a unit, the numbers for the past three years have been as follows:

1900-1901	150
1901-1902	180
1902-1903	232

"This shows an increase of about 50 per cent over the year 1901-1902. The increase in the advanced work has been especially gratifying. At present there are seventeen graduate students registered for work in the department. * * * Since rendering my last annual report there has been much demand and opportunity for work along educational lines outside of the University. I have personally been in attendance at a considerable number of teachers' institutes and educational meetings. In all, I have given over fifty lectures or exercises. * * * Under the new organization for the recommendation of teachers there has been entailed an increasing amount of work through the necessity of getting opinions from professors and the filling of blanks. The work is growing so rapidly that it takes much time. Often we have twenty letters a day, and the average is about a dozen letters a day during the spring months."

ENGLISH.

"The work of the department of English has been much heavier this year than heretofore. As indicated in the semester reports, the enrollment has increased. The Sophomore work was this year changed radically in purpose and in method. The course is no longer historical, and the textbook has given place to a more direct and intimate study of good literature. Instead of considering the 'lives and times,' we now give first attention to the development of ideals as reflected in literature and to the development of the literary technique by which they are expressed. The subject matter of the course offers suggestions for constant practice in writing, and all written exercises are carefully criticised and returned to the writers. The changes in the Sophomore work were made possible by the new requirement of three hours a week in the Sophomore year and by the increased and systematized entrance requirements. The high schools are giving more attention to English, and a general historical survey of English literature is required in the twelfth grade. * * * The high schools are clearly improving, and they are gradually approaching a perfect understanding among themselves and with us. The high school teachers show a good spirit. They are conscientious and wish to do their best, and they are in general not displeased by our study of their work and our interest in their problems. There are indications that a few more years of co-operation will make the high school work in English recognized by teachers and pupils as thoroughly profitable to the graduates who enter college and to those who do not. The chief labors of the department this year, then, have been given to the English work required in high schools and in the College of Liberal Arts."

FRENCH.

"Students in the course in Advanced French Composition were helped by correspondence with students in France. These correspondents were obtained by me through the Association of International Correspondence.

* * * The subject of the novel was studied by way of the laboratory method, each student being constantly kept at work at a novel or group of novels to be reported upon in class. * * * Through the generosity of Mr. James H. Hyde, first vice-president of the Equitable Life Insurance Company of New York, two bronze medals, being the official medal of the Alliance Francaise of Paris, are this year offered to the best woman and the best man for scholarship in French."

* * * *

GEOLOGY.

Professors Calvin and George report various valuable additions to the geological collections by gift and otherwise.

"The department of Geology makes large use of photographs and lantern slides. Without some such aid, a large part of what is now done for our classes would be impossible. * * * Outside of class work, the professors have spent a great deal of time in the preparation of new material and in re-arrangement of the old. * * * The people of Iowa turn to their University for information on a wide range of subjects, and the department of Geology is called upon to examine and report annually on scores of mineral and rock samples which are submitted in the hope that they may indicate deposits of commercial value."

GERMAN.

"The work of the instructional staff has been satisfactory to the head of the department. The department of the students has been above criticism. The attendance in the graduate courses has been especially encouraging. The numbers registered for these advanced courses are as follows: Seminar, 16; Middle High German, 9; Old High German, 6; Phonetics, with special reference to German Phonology, 12; Advanced Syntax, 7; total, 50."

GREEK.

"It will be noticed that while the number of students in the work of the first two years is not increasing, the number of those who continue their work in the advanced courses is larger than in the two previous years. Furthermore, while last year two graduate students were reported for the first time, this year the number has risen to seven, two of whom come up for the degree of M. A. this summer. * * * Several new courses have been offered this year. It was necessary to withdraw one of the courses announced because of a lack of the necessary funds to secure the books, and two of the courses given have been seriously hampered by the lack of the necessary books and apparatus. * * * The Greek Club has held fortnightly meetings during the year, at which the plays of Aeschylus have been read and commented upon."

HISTORY.

"In the very best sense of the word the department can report progress. * * * The most serious hindrance, however, to the highest efficiency of the department has been the lack of proper library facilities. * * * The attendance upon courses, the work of the seminars, the number and character of candidates for advanced degrees, and the general spirit of the student body have been highly satisfactory."

LATIN.

Professors Currier and Potter report as follows: "The enrollment for the current year has been slightly in advance of the previous year. * * * Professor Potter comes back from graduate work in another university better than ever prepared for advanced courses. His course in Sanskrit has been taken by one person throughout the year, and thus a beginning has been made in an important line of graduate instruction."

MATHEMATICS.

"The department is, generally speaking, in a prosperous condition, and seems to be quite equal to the demands made upon it from within the University. In one important respect, however, we are not doing as well, perhaps, as circumstances will permit. I refer to the fact that we are not doing what we might do to fit students for positions as teachers of mathematics in our high schools. We are not doing this because we have not sufficient control over our requirements for admission to permit us to do more with the great majority of students than barely to enable them to pass in the work demanded of them in the several courses. * * * Another disadvantage under which we are at work is that we are perforce expected to maintain a considerable number of advanced courses and must at the same time depend in part upon underpaid and poorly qualified instructors."

MILITARY SCIENCE.

"The work of the military department during the past school year has been substantially such as is prescribed in the University catalogue. The progress has been very satisfactory. The drill and discipline has been all that can be desired. * * * The conduct and disposition of the young men in this department has been most excellent."

MORPHOLOGY.

"The courses of undergraduate instruction offered by the department of Animal Morphology and Physiology during the current year have covered a wider field than heretofore. * * * All these courses have proved satisfactory in operation, and the interest manifested by the students has been a source of inspiration, in return, to the instructors. A greater number and variety of advanced courses have also been given than ever before in the history of the University. * * * Still a third year of work, also involving lectures and laboratory practice, has been presented. The first semester embraced the altogether novel field of experimental biology in the course of experimental morphology. The second half of the year has been occupied with work growing directly out of my own special researches in the field of the nervous system of the lower animals, the course in comparative neurology. The work has proven so popular with graduate students as to be indeed gratifying to me. * * * It may not be generally realized just how much purely mechanical routine needs precede the giving of a course in animal biology in a modern manner. The actual instruction given in this department represents but the merest fraction of the time required to make such instruction possible."

PHILOSOPHY.

In the absence of Professor Patrick, Professor Seashore reports the work of the department:

"There has been a small increase in the attendance over last year in the classes in psychology. In the other subjects there has been a decrease. * * * One candidate is completing the requirements for the degree Ph. D. this year, and one for the degree A. M. Four other graduate students have been engaged in research on major subjects in the department, but will not complete all the requirements for degrees this year. Several graduate students are taking minors in the department."

PHYSICS.

"The enlarged enrollment is partly due to the partial doubling of the beginning class by reason of the changes in the courses of study which brought Physics into the Freshman year. This large attendance has severely tried the capacity of the department in respect to both the equipment and instructional force. The holders of graduate appointments have generously given to the department their time and energy to meet this demand on our resources. * * * Added to this unusual demand on our energies has been the problem how to get the rooms and equipment into shape for their proper use after the remodeling of the building last summer. Owing to the smallness of the appropriations this has had to be met by our undertaking a great deal of manual work and drudgery which should not be expected or demanded from the instructional force; but under the circumstances this could not be avoided if the department was to care properly for its students. The second floor of the Hall of Physics was wholly, and the first floor partly, remodeled in substantial agreement with the plans submitted to you a year ago. This has greatly increased our facilities. * * * But much still remains to be done before the building can be said to be at all in acceptable condition. * * * I renew my former recommendations to the effect that measures be taken leading to the erection of electrical engineering into an independent chair or department, with adequate and separate equipment and quarters. The success of the electricians trained here, and the demand for more of them, indicate a need and opportunity which should be met."

POLITICAL SCIENCE.

"There has been a change in the instructional staff of the department during the current year. Dr. F. E. Horack, as instructor in Political Science, has taken the place of Mr. S. E. Thomas as assistant instructor. No increase in salary, however, accompanied this change. This fact has embarrassed the department to some extent, since Dr. Horack could hardly be expected to do the full service of an instructor upon the salary of an assistant instructor. Dr. Horack's work during the year has been eminently satisfactory and it is hoped that his salary will be speedily raised. In my judgment, it is a grave mistake for a University to underpay its instructors. In the first place, a University should by its practice raise rather than lower wages and the standard of living. Secondly, underpaid instructors have the feeling that the University is not being administered upon principles of justice. Such feelings are not likely to produce love and reverence for the institution with which they are connected. The attitude of the teacher toward the institution with which he is connected is bound to be reflected in his work. His attitude will in a measure become the attitude of the student body. Thirdly, a poorly paid instructor

is always looking for a better position, and instead of devoting his whole energy and thought to his work, a considerable portion of his time will be taken up in looking for other positions. Low salaries long continued mean cheap instruction, and cheap instruction in a college or University means a cheap institution."

PUBLIC SPEAKING.

"The first year of the work under the present chair there was not one of the intercollegiate debaters who was taking regular work in the department. This year, out of nine such debaters, eight of them were taking or had taken work. As one of the students puts it, 'Students who are not taking such work stand very little show for an appointment.' The character of the work then has improved because of the higher grade of students who are scheduled in it. * * * There was a large number of courses taken by the students. The members of the faculty in the department were called upon for more work on the part of literary society students in connection with their dramatic work. * * * The students, under the guidance of Miss Everis, have formed a dramatic club. This club seeks to make a study of the best drama and assists in setting a high standard in student performances."

SCANDINAVIAN.

"The number of students has been somewhat smaller than last year. For next year we have, so far, 19 prospective students for various courses. * * * The increase of Scandinavian students in the University is from 62 to 73, or 17 per cent."

POLITICAL ECONOMY AND SOCIOLOGY.

"The work of these departments has proceeded satisfactorily. We have suffered from the interruptions, incident to readjusting courses, made necessary by Dr. Patterson's leave of absence, but the effectiveness of these courses under the rearrangement has been well maintained, and the numbers of students during the current year compare very favorably with that of last year. We have made gains in continuity and scope."

ZOOLOGY AND MUSEUM.

"As compared with last year, the class attendance has fallen off materially in the two-hour class in Speculative Zoology, apparently largely on account of conflict in hours with new courses offered in other departments, especially a two-hour course in general botany given by Professor Macbride. There has been an increase in attendance in the regular four and five-hour class in Zoology, and the increase would have been considerably greater had it not been necessary to turn students away from this course on account of lack of table room in the laboratory. The attendance in all other courses has been practically the same as last year. * * * The work of instruction in this department has been greatly aided by the installation of a good stereopticon for lantern projection, and facilities for microscopic projection that have been added during the current year. The facilities for photography have been greatly increased and afford much material for illustration and demonstration. * * * The curator of the museum has to report that the collections under his charge are in as good

condition as can be expected under the crowding necessitated by the lack of space. * * * There is little encouragement to add to the material in the museum. Almost all of the new material secured during the year resulted from the Hawaiian cruise of the United States Steamer Albatross, it must be understood, however, that but a small fraction of these collections have been divided, and the material thus far secured was collected by the curator personally, and does not represent the series promised this University by the United States Fish Commission. * * * The entire collection made by the Albatross during her Hawaiian cruise has been divided up and sent to specialists for report, the reports to be published by the United States Fish Commissioner. The collection of Hydroids, including about 50 jars of material, and the collection of Alcyonaria, including 162 jars of alcoholic material, are now deposited temporarily in the room for storage material in the new Liberal Arts building. The curator has agreed to furnish reports to the United States Fish Commission on this material, and will retain a full series for the University collection."

COLLEGE OF LAW.

The following excerpts from the report of the Dean of the College are submitted as indicative of its condition:

"I would respectfully report that the work of the College of Law has gone steadily on with the regular force of professors and lecturers. * * * The rules for ascertaining the preliminary education of our students when they present themselves to the State Board of Law Examiners have been very satisfactorily modified by the Supreme Court, so that the certificate of the President of the University as to the same will be hereafter sufficient. * * * I deeply regret that Hon. Martin J. Wade, on account of his election to the House of Representatives, finds it necessary to discontinue his valued services in the staff of this college. * * * I believe that the scale of work in the college has steadily increased, and that the use of the library has markedly increased. It has been a gratification to hear the warmest commendation for the order, industry, and intelligence of the candidates for graduation of this year, from Mr. Justice McClain, so well qualified to judge of their qualifications both by his learning and long identification with this college.

COLLEGE OF MEDICINE.

The College of Medicine which entered the year under the shadow of Dean Middleton's death, has come out into the light. The re-organized faculty has found itself, and the prospects of the college are generally bright, and the new buildings in process of erection add to the expectations. Reports from the heads of departments in this college indicate for the most part full attendance upon duties by the professors, and an increase in patients in clinics. The following excerpts refer to some new items.

THE DEAN.

"The student body have borne well with lack of room and have usually been uncomplaining. It is a matter of congratulation that, with all the embarrassment, the college has such a fine enrollment. * * *

We are proud of the quality of our students and proud that so many of them come to this college so well prepared for the work. * * * A larger number of college graduates are numbered among our classes than ever before. Our increased requirements for admission to the college, while cutting down somewhat our attendance, have greatly improved the entire tone of the school, and will be productive of great good in the near future. * * * In the teaching work of this department an increased effort is being made to develop more and more the clinical side of instruction. The clinical lecture and its value have been much emphasized during the work of the past year. * * * I feel well satisfied with the work accomplished and confidently expect better things the coming year."

MATERIA MEDICA.

"To the students of the senior classes, both of medical and dental colleges, an opportunity was offered to such as desired to do so to attend a therapeutic seminar and there to read and hear read by other members of the respective classes, theses upon medical and dental subjects assigned to and written by members during their junior year. This work though optional, was accepted, and has been pretty generally carried forward by the members of the medical classes. * * * The junior medical class early in the first part of the first semester, showed such an interest in an elective course in pharmacology as to warrant the belief that such a laboratory course would be profitable, and which this department will gladly establish as soon as the governing authority of the University directs it."

PATHOLOGY.

"It is a pleasure to note the increased interest manifested by the senior students in the new course of clinical microscopy and hematology which has been recently added to the curriculum."

SURGERY.

"Daily, or as often as necessary, such visits are made to sick patients in the hospital as the student might be assigned the care of under the supervision of the assistant, each student having had an opportunity to assist at approximately five operations during the term, and to observe personally and critically study such cases during their convalescence. All anesthetics have been administered by senior and junior students under the supervision of the regular anesthetist. * * * The number of cases treated in this department and utilized for clinical instruction during the session is approximately the same as for the previous year, about 200."

TRAINING SCHOOL FOR NURSES.

"There have been twenty-five applications to enter the school for nurses during the past year. Six have been admitted, two of whom have been accepted as pupils. Four nurses have graduated and left the hospital, one resigned to take up other work, one left before her probation was completed to go to a sick mother, and three are still on probation. These with the twelve pupil nurses make a total of fifteen nurses and probationers now in the school. * * * There have been far more

calls for pupils to do outside nursing than we could possibly supply. About fifty calls have been responded to and about eighty-six weeks of private nursing have been done by pupil nurses. * * * The nurses in general have devoted themselves to their duties with enthusiasm, often submitting cheerfully to much extended hours for the sake of the work. We have had this year our full course of lectures as scheduled for the nurses, with only two exceptions—those on hygiene and anatomy were not given. An elaborate course in cooking was given by Mrs. Leonard. A full set of furnishings for the diet kitchen is much needed. * * * With increasing work the demand for nurses as specials to patients is much felt. I would urge some arrangement by which more pupils might be given house room."

COLLEGE OF HOMEOPATHIC MEDICINE.

The changes in the staff of instruction in the college of homeopathic medicine have resulted in strengthening the faculty. It would seem that we have the hearty approval of the state homeopathic medical association of which evidence is given by the following report brought to us from the late session of the association:

"At the opening of the meeting, Dr. H. M. Humphrey, president of the association, delivered his annual address, upon which he had spent much thought and time. He devoted much of his talk to the needs of the homeopathic college of the State University, and urged upon the doctors the need of their co-operation by sending patients to the clinics and hospital, and students to our college. He made the statement that he believed if the doctors would do their part, that the president of the University and the Board of Regents would do theirs and do it gladly. The committee on the president's address, especially emphasized the part referring to the colleges of homeopathic medicine in its report to the association. * * * At the banquet on Wednesday evening, Dean Royal responded to 'Our University,' and he left nothing unsaid that would arouse enthusiasm for our college. In conclusion I wish to state that it is my opinion that the doctors of Iowa were never so thoroughly aroused for the State University and for the college of homeopathic medicine, as at the present time. Dr. Montgomery of Council Bluffs, the president-elect, is ready and anxious to give us his enthusiastic support whenever an opportunity presents."

THE DEAN.

"I beg to report that the work, as a whole, in this college during the year has been very satisfactory.

"The resignation of Professor Newberry from the chair of otology and ophthalmology was one of the heaviest blows the college has sustained since the death of the former dean, Dr. Dickinson. Dr. Bywater so far as I am able to learn, has given very good satisfaction to the students. His clinics have been as large as they were before the resignation of Dr. Newberry. Some of this increase may be due to the bettered condition in the hospital."

THE HOMEOPATHIC HOSPITAL.

"The work of the hospital for the past year shows a most gratifying increase over the work of the year preceding, as shown by the accompany-

ing consolidated report. The greater part of the increase in the number of admissions is in the department of Professor W. L. Bywater. The ratio of mortality is phenomenally low when we consider the number and magnitude of the operations that have been done, the ratio showing less than 2.5 per cent."

THE CLINIC

Cases in surgery, 149; in medicine, 85; in the eye, 100; in the ear, 38; in nose and throat, 80; in gynecology, 54; in obstetrics, 7; births, 6; total, 519.

TRAINING SCHOOL FOR NURSES.

"The demand for private nurses has been greater than we could supply. Lectures have been given by the staff of physicians."

COLLEGE OF DENTISTRY.

The Dean—

Clinical attendance to date (May 4).....	8,037
Clinical attendance to June 12 (estimated).....	10,000
Clinical receipts to date (May 4).....	\$3,495.67
Clinical receipts to June 12 (estimated).....	5,000.00

"Contrary to our expectations, the attendance was not affected by the increase of tuition from \$75 to \$100 this session. * * * The teaching in all chairs has shown improvement not only in the presentation of the subject-matter, but in interest shown by all teachers. This is evidenced by the good attendance in all work this year, the close application of the student body, and the results as illustrated by the students' work in the laboratories and clinics. Good order has prevailed. * * * The fact that the Regents have provided better equipment, and last but not least, the addition this year at small expense of hot water at all times in the three clinics, has encouraged the students to be more cleanly. * * * In fact they appreciate improved conditions and respond spontaneously with every added facility. These improvements rank us as the best equipped college, and will lead to larger attendance, and we believe, of the better class of students. * * * That we enter upon a four-year course next session is known, but the important results from an educational point of view are not as yet realized by the profession or student body. This change the state must soon realize will call for added expense both as to accommodation for students, and teaching forces. The state can hardly afford to sacrifice a college that has been self-supporting for several years. * * * The uniform success of the alumni of the college (500) is enhanced by the systematic and careful training each student receives from the date of his entrance to the date of graduation. The student that graduates must know his professional work. Our alumni are loyal and to this loyalty we must contribute out quota in the maintenance of a high standard curriculum."

OPERATIVE DENTISTRY

"The didactic and clinical instruction of this department has progressed in a satisfactory manner. The present senior class has accomplished the largest amount and best grade of clinical operative work of any class ever presented for graduation from this college."

ORTHODONTIA

"The department of orthodontia has had the best year of its existence so far, both in results as to the quality of work done, and the interest and progress shown by the students. * * * Heretofore the work of the junior and senior years has been taken together by both classes. Beginning with this year, the work of the two years has been separated completely, greatly to the benefit of all concerned. * * * A course in orthodontia technic has also been established, as required by the National Association of Dental Faculties. * * * The actual clinical work performed by the senior students has been exceptionally good during the year just passed. There is an abundance of clinical material in Iowa City."

PROSTHETIC DENTISTRY.

"The lecture and laboratory courses this year were entirely different for each class and of a progressive character. The technic courses of both years were somewhat enlarged in order to better fit the student for the clinical work of the senior year. * * * The clinical work has been of a more varied character than ever before."

* * *

COLLEGE OF PHARMACY.

THE DEAN.

"The increased requirements for admission, and the lengthening of the year to nine months, steps necessarily taken in obedience to a healthy public sentiment and to maintain proper relations with University schools, doubtless had some, though perhaps little, effect in reducing our numbers. * * * In my opinion the cause that operates most against us in securing larger classes is extreme laxity in requirements for registration whether by examination or by the recognition of diplomas of unworthy institutions. Nine out of every ten young men wishing to pursue pharmacy are satisfied with certificate of registration and this they can easily get without the help of the college. * * * The only colleges of pharmacy today, with large attendance, are the diploma mills used as stepping stones to registration, and the reputable schools in large cities where the student is afforded an opportunity to gain valuable store experience while attending college, and usually gets the benefit of both, practically without cost. * * * Michigan, with its enviable reputation and laboratories known the world over, had only 71 students last year. Wisconsin, with an especially strong faculty, a nominal fee, and an equipment so perfect that it was selected for much of the research work necessary in the revision of the pharmacopoeia, had 35 students, while Minnesota, with the advantages of the Twin-Cities, enrolled but 62. During the years when our attendance was largest, the conditions for registration were different, yet the increase was wholly of junior students, showing that one year of six months satisfied the average candidate for registration. * * * I am pleased to note that since the date of my last report, the conference of teaching colleges of pharmacy, to which our college has the distinction to belong, unanimously recommended to all boards of pharmacy that only graduates of reputable colleges be considered eligible for state certificates. * * * All departments of the

college have increased their work out of proportion to the length of the term, both classes having received even more work than was promised in the announcement."

PHARMACOGNOSY.

"It is my privilege to report that the work in pharmacognosy has been somewhat broadened. On page 25, catalogue for 1902-3, this statement is found, 'For seniors only. Throughout the year. Two hours each week.' The seniors have been given three hours each week, and believing that the junior students should become acquainted with some of the commercial phases of pharmacognosy, we have required of them two hours each week. * * * A text-book has been introduced, believing that best results can be obtained by assigned definite lessons supplemented by lectures.—Specimens of drugs are furnished each student for home study—otherwise the abstract study would be uninteresting. * * * To further stimulate the work, membership in the American Pharmaceutical Association is offered to the senior student passing the best examination in recognition of organic specimens. * * * The most important feature of the year's work from a practical and economic standpoint, is the satisfactory arrangement brought about by Secretary McChesney and Dean Guthrie, whereby the products of the laboratory under proper supervision, are utilized in the hospitals. This will not only stimulate better work from the students, but will be a great saving to the institution. For the months of March and April, \$30.63 worth of material was used in making preparations for the hospitals, which, at retail price, would have cost the institution at a conservative estimate, \$80 to \$90. * * * For the months of March and April, \$154.20 worth of material has been delivered from the wholesaler direct to the hospital, a saving of from 10 to 20 per cent."

GRADUATE COLLEGE

THE DEAN.

"I may be permitted to explain, that the slight decrease in the attendance as compared with that of last year (from 130 to 121) is due to the elimination of the last of our in absentia candidates for degrees. The attendance of resident graduates regularly enrolled for degrees has steadily increased since the establishment of the college four years ago. * * * One of the most significant actions which the board has taken with reference to the graduate college since its founding, has been that of establishing scholarships in the standard colleges of Iowa. The regulations as to these scholarships, first proposed by Regent W. I. Babb, and later referred to the Graduate Council for consideration, have been somewhat modified in minor particulars, but have still the form and spirit given to them by their author. A copy of the regulations in question is submitted as a part of this report.

"Attention should again be called at this time to the fact that the Faculty has recommended the establishment of these additional scholarships with a proviso calling for the maintenance of at least eighteen fellowships and scholarships at large to be awarded in the same manner as heretofore. I may here quote from my brief with reference to the

graduate college submitted earlier in the year: "If all the "standard colleges" avail themselves of the opportunity to be offered them, we shall have fifteen additional scholarships from that source. I am, however, convinced from our past experience, that not more than half a dozen of these institutions will at first send their students on to us. Assuming that nine of them will do so, and that half of our own graduate appointees will be fellows and the other half scholars, the aggregate charge for such appointments will stand as follows:

Nine fellowships at large	\$ 2,025
Nine scholarships at large	1,125
Nine "standard college" scholarships.....	1,125
Total.....	\$ 4,275

"It is necessary to say but little here regarding the needs of the Graduate College. It has few separate and special needs. Its interests are advanced every time any of our departments of instruction are strengthened and it suffers as well from the neglect of any department. The appointment of a superior instructor in any branch of knowledge is of distinct benefit to this college; the appointment of fellows and scholars to such positions, when superior men are needed will result in disaster to both this and the college directly interested. This practice, rendered almost necessary by our straitened circumstances, has already brought the whole institution of fellowships and scholarships into disfavor in some departments. While it has been necessary as a temporary expedient, it must be discontinued at the earliest possible moment and other duties substituted by means of which our graduate appointees may earn their stipends."

HIGH SCHOOL INSPECTION.

"The visitation of schools has been continued as last year, nearly all of the time being given to the fully accredited schools. These schools need annual visitation and the Inspector is able to reach a larger school population by visiting the larger schools. In every case the Inspector has been kindly received and in nearly every case he has been asked for criticism and suggestions. He has been frequently asked to meet school boards and make recommendations to them. The suggestion and recommendations made last year have been adopted in a gratifying number of cases. * * * The Inspector has visited fifty schools and hopes to visit fifteen more before the close of the year. Professor Bolton has visited and reported upon five schools. * * * Regular visitation of schools has been supplemented by correspondence with superintendents and teachers, and by conference with them at teachers' meetings in various parts of the state. The Inspector has attended seven of these meetings and gave a short address at four of them.

"Inasmuch as the entrance requirements of the University for September, 1903, will be considerably higher than they have been for previous years, it seemed important that the accredited schools should be definitely informed of the fact. Accordingly the Inspector has made an examination of the courses of study of all the accredited schools and a statement showing the standing of each course with reference to the present entrance

requirements of the University has been sent to each school. A copy of each statement has also been kept on file in the Inspector's office. * * * The work involved in the examination of these courses of study occupied at least one month of the Inspector's time, but it seemed the most important thing to be done and there is little doubt that it will ultimately prove a good investment. * * * The Bulletin on Entrance Requirements in English, issued by the department of Education last year, has borne fruit in a largely increased interest in that subject on the part of both the colleges and the secondary schools, and a joint committee representing the colleges and the schools has been appointed to prepare a uniform high school course in English that may be accepted by all the schools and colleges of the state. The Inspector of Schools is chairman of the committee. * * * If the efforts shall prove successful it will mark an era in the development of English work in the schools of the state.

"The uniform blanks prepared by the Board of Inspectors for the North Central Association of Colleges and Secondary Schools are now being used in this department. A copy of each of these blanks is enclosed with this report. The Inspector of Schools has been re-appointed a member of the Board of Inspectors for a period of two years.

"The two-teacher high schools of the state constitute a perplexing problem for the department of inspection. Theoretically they can do work that is entirely satisfactory. Practically, they are accomplishing very unsatisfactory results. In few cases are buildings, library and laboratory adequate, and worse than all, the teachers are in most cases weak in scholarship and consequently inefficient. If these schools could be visited regularly, once or twice each year, something might be done for them, but with the present inspecting force that is impossible. * * *

"The Inspector is strongly of the opinion that much good would result both for the University and for the schools if members of the University departments would occasionally visit the better established schools. This plan has been tried with excellent results by other universities, and it is herewith recommended as worthy of trial by this University. It is thought that a beginning of this work can be made next year by the University Extension lecturers."

UNIVERSITY EXAMINER.

"Three specific lines of work require special mention:

"1. A practically complete list of the graduates of all accredited and partially accredited high schools in the state has been secured in accordance with the action first taken at the conference of presidents of standard colleges at the State University on November 20, 1902, and approved at the meeting of the committee on secondary schools of the college and university department of the State Teachers' Association in February, 1903.

"2. Special preparatory examinations have been supervised in a number of non-accredited high schools. In these cases examination questions have been sent to the principal, and the correcting of the papers superintended. Wherever pupils have secured a satisfactory grade a preparatory credit card has been issued.

"3. A very important department of the work of this office and one which is in the progress of development, is that connected with the securing of complete graduate school records from accredited schools and the issuing of graduates' school records and certificates of admission to such graduates. This work was begun two years ago by Mr. Dorcas and has been continued by this office since that time. At the opening of the present year a considerable number of these certificates of admission were received by the University. It is also known that they have been received by a number of the other colleges of the state and by institutions outside of the state. This office is at the present time engaged in the work of securing these records for the high school classes of 1903. As rapidly as these records are secured individual certificates of admission will be prepared and sent to the pupils entitled to them. * * * The entrance requirements have been raised from thirty-six term credits (equivalent to twenty-four semester credits) to thirty semester credits. This is an advance of 25 per cent in one year. * * * The same thing applies in the second place to the great increase in the requirements in English. Students this year have been admitted with a minimum of five term credits in English. Next year the minimum requirements is six semester credits (equivalent to nine term credits) with a requirement in certain courses of eight semesters (equivalent to twelve term credits). This is an increase of nearly 100 per cent in nearly all cases, and in some cases over 100 per cent."

THE DEAN OF WOMEN.

Enrollment—

The number of women in the University for the current year is:

College of Liberal Arts, including Graduating College and Summer Session.....	385
College of Law.....	1
College of Medicine.....	31
College of Homeopathic Medicine.....	7
College of Dentistry.....	5
College of Pharmacy.....	4
Total.....	433
Duplicates.....	35
Total.....	398

HOMES

"I am making up a list of approved homes for young women. Only those boarding and lodging places in which the following regulations are enforced will be mentioned in this list:

"1. Young women lodgers shall be permitted the use of a parlor to a reasonable extent for the reception of gentlemen callers.

"2. They shall not be permitted to take gentlemen to their rooms unless they have private sitting-rooms.

"3. They shall not have company later than half past ten.

"This list will be short at first, and will not by any means provide for all women students. * * * Nearly one-third of the young women

live at home or with relatives. Considerably more than one-third lodge in one place and take meals in another. A few board themselves. Only about one-fifth get room and board in the same house. There is great need of more good boarding houses where rooms and board shall be provided at moderate prices and where reasonable oversight of the students shall be maintained. I believe that it will be necessary for the University to take some steps toward meeting this need if the number of women students is to be increased.

ORGANIZATIONS

"The University organizations for women only reported the following membership on March 24th:

Y. W. C. A.....	70
Erodelphian Literary Society.....	47
Hesperian Literary Society.....	46
Octave Thanet Literary Society.....	24
Kappa Kappa Gamma.....	19
Delta Gamma.....	10
Pi Beta Phi.....	14
Catholic Daughters.....	17
Professional Women's League.....	38

"These organizations are flourishing. They have a large part of the social life of the young women, and, so far as I am able to see, are wholesome in their influence."

PHYSICAL TRAINING.

"Physical training has been required of all freshmen and sophomores in the college of Liberal Arts, three time a week this year. The work has been excellent and the results beneficial in spite of inadequate facilities. We are planning to have in connection with this work this spring, several lectures from professors in the medical college upon the proper care of the body. All women in the University will be admitted to these lectures."

DEPARTMENT.

"On the whole, I think it would be difficult to find anywhere a body of nearly 400 young women more earnest, serious-minded, studious, quiet, and generally ladylike in manners than we have here.

THE LIBRARY.

"There have been added to the library since May 1, 1902 (the date of my last report), 3,199 volumes, as follows:

Purchase.....	1,775
Gift of individuals.....	203
Gift of societies, etc.....	279
Gift of various states.....	142
Gift of United States government.....	593
Gift of publishers.....	139
Miscellaneous.....	68
Total.....	3,199

"Taking the matter up with regard to the various colleges we have the following results:

College of Liberal Arts and general library	2,652 volumes
College of Medicine	363 volumes
College of Homeopathic Medicine	40 volumes
College of Dentistry	78 volumes
College of Pharmacy	66 volumes
Total	3,199 volumes

We have during the past year received the following gifts:

"The library of Dr. William Watson of Dubuque.

"Index catalogue of Surgeon General's library, from Dr. William Hunt of Davenport.

"3 volumes of the Medical and Surgical History of the War from Dr. Schaeffer of Keokuk.

General periodicals, sent to the reading rooms by the publishers	36
Medical periodicals sent to the reading rooms by the publishers	16
Dental periodicals, sent to the reading rooms by the publishers	29
Homeopathic medical periodicals, sent to the reading room by the publishers	10
Pharmacy periodicals, sent to the reading room by the publishers	8

"One year ago your librarian sent out a number of circular letters to scientific societies and institutions, with the result that we are now receiving by exchange, publications of 1,170 such societies and institutions. These are being cared for and bound as rapidly as possible. * * * In addition to the regular help we have been trying the apprentice plan. These persons have been giving their services at regular, stated intervals and have been able to do a great many little things that have materially aided the regular force."

SUPERINTENDENT OF GROUNDS AND BUILDINGS.

"Construction work on the new buildings was commenced in August, and has been continued as fast as the weather conditions and supplies of material would permit. * * * Indications point to the completion of these buildings in ample time for such use as the University will be able to make of them this year."

FUEL EXPENDITURES.

"The expenditure for fuel will amount to a little less than \$10,000, as compared with \$13,160 the year before, and about \$7,000 for the average of the two previous years before the Liberal Arts hall was put in service. The cost of fuel furnished the Y. M. C. A. building is to be deducted from each of the above. The contract for coal proved to be well placed, and especial credit is due to E. E. Pinney Coal Co., of Cedar Rapids, and the Volunteer Coal Mining Co. of What Cheer, for prompt deliveries under the contract, during a season of great scarcity and high current prices."

"The record of the work of the University thus imperfectly submitted, will justify the Board of Regents in making requests from the next legislature somewhat commensurate with the demands made upon the Regents by the people of the state.

"With genuine gratitude I acknowledge the unfailing kindness of the Board, and the co-operation of faculties and students in striving to realize the ancient ideals of the University.

Respectfully submitted,

GEORGE E. MAC LEAN,

President.

REPORT OF THE SECRETARY

REPORT OF SECRETARY.

IOWA CITY, IOWA, October 15, 1903.

To the Honorable Board of Regents of the State University of Iowa:

GENTLEMEN—Herewith is respectfully submitted a financial statement of the income and expenditures of The State University of Iowa for the biennial period extending from July 1, 1901, to July 1, 1903.

WM. J. McCHESNEY,
Secretary.

RECEIPTS AND DISBURSEMENTS.

Total Receipts and Disbursements for Two Years..	\$718,658.69	\$659,885.62
Balance July 1, 1901.....		9,104.37
Balance July 1, 1903.....		49,668.70
	<u>\$718,658.69</u>	<u>\$718,658.69</u>
Total receipts and disbursements for 1901-02.....	\$336,529.76	\$335,901.13
Total receipts and disbursements 1902-03.....	382,128.93	323,984.49
	<u>\$718,658.69</u>	<u>\$659,885.62</u>
Total warrants issued 1901-02.....		\$335,901.13
Total warrants issued 1902-03.....		323,984.49
Grand total warrants issued 1901-02-03.....		<u>\$659,885.62</u>

STATEMENT

Of Receipts and Disbursements for Fiscal Year Ending July 1, 1902.

RECEIPTS.

From State Appropriations.

26th G. A., Chapter 3, Section 2643—Support.....	\$ 65,500.00
27th G. A., Chapter 142, Section 1—Support.....	10,000.00

28th G. A., Chapter 152, Section 2—Support.....	50,000.00	
29th G. A., Chapter 183, Section 2—Special Land..	23,000.00	
26th G. A., Chapter 3, Section 2644—1-10 mill building tax	25,275.00	
28th G. A., Chapter 152, Section 2—Repair and contingent	4,000.00	
26th G. A., Chapter 7, Section 170—Contingent fund	15,000.00	\$192,773.00

From Gifts.

A. Whitney Carr free scholarship fund.....	\$ 50,000.00	\$ 50,000.00
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From Productive Funds.

A. Whitney Carr free scholarship income fund....	\$ 1,859.02	
Frank O. Lowden oratory prize income fund	218.75	
Donated land fund	180.00	\$ 2,257.77

From Miscellaneous.

Tuitions	\$ 56,942.85	
Diploma fees	778.00	
University hospital	11,144.43	
Homeopathic hospital	3,250.15	
Dental clinic receipts	5,428.32	
Breakage deposits—net	572.92	
Law loan account	335.85	
Alumni book account	32.50	
Interest on permanent fund	12,348.85	
Rents	95.00	
Old material and furniture sold	568.12	\$ 91,496.99
		\$336,529.76

DISBURSEMENTS.

College of Liberal Arts	\$ 92,977.80
College of Law	12,369.45
College of Medicine	25,967.72
College of Homeopathic Medicine	6,045.02
College of Dentistry	17,036.19
College of Pharmacy	4,697.97
Librarians and books	10,381.21
Administration	14,680.78
Special appropriations	68,239.63
College of Liberal Arts building	40,186.64
Special land purchased	22,502.50
General repairs	3,192.90
Restoring burned medical building and south hall apparatus	13,000.00
A. Whitney Carr free scholarship income	1,830.13
Frank O. Lowden oratory prize income	150.00
Purchase of books by libraries	530.17

\$335,901.13

Difference between receipts and disbursements, 1901-02....	628.63
	—
	\$336,529.76

RECEIPTS OF INCOME FUND 1901-02, ITEMIZED.

From state appropriations	\$ 65,500.00	
From state appropriations	10,000.00	
From state appropriations	50,000.00	\$125,500.00

From Miscellaneous Accounts.

Law loan account—		
Rent on law books	\$ 335.85	
Alumni book account—		
Cash paid by Alumni Association	32.50	\$ 368.35

From Hospitals.

University hospitals, earnings, see special account, \$	11,144.43	
Homeopathic Hospital, earnings, see special acct.	3,250.15	\$ 14,394.58

From Miscellaneous Sources.

Tuitions—		
College of Liberal Arts	\$ 11,952.00	
College of Law	10,560.00	
College of Medicine	15,850.85	
College of Homeopathic Medicine	2,400.00	
College of Dentistry	11,435.00	
College of Pharmacy	4,130.00	
Summer Session	615.00	\$ 56,942.85
Diploma Fees—		
College of Liberal Arts	\$ 535.00	
Graduate College, master's degrees	180.00	
College of Law	63.00	\$ 778.00

Interest on permanent fund	\$ 12,348.85	\$ 12,348.85
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Dental Clinic Receipts—

Collections for October, 1901	\$ 455.00	
Collections for November, 1901	500.35	
Collections for December, 1901	660.05	
Collections for January, 1902	305.50	
Collections for February, 1902	840.20	
Collections for March, 1902	604.09	
Collections for April, 1902	797.49	
Collections for May, 1902	505.04	
Collections for June, 1902	760.60	\$ 5,428.32

Breakage deposits	\$ 572.92	\$ 572.92
Rents	95.00	95.00
Old material, furniture, etc., sold	735.47	735.47

\$217,164.34

Balance on hand July 1, 1901	27,700.74
	<u>\$244,805.08</u>
Total expenditure, 1901-02	\$252,508.77
Overdraft, July 1, 1902	7,643.69
	<u>\$252,508.77</u> <u>\$252,508.77</u>

DISBURSEMENTS FROM INCOME FUND, 1901-02, ITEMIZED.

COLLEGE OF LIBERAL ARTS.

BOTANY.

	Salaries.	Current Expenses.
Thomas H. Machride, professor	\$ 2,400.00	
Bohumil Shimek, assistant professor	1,300.00	
James E. Gow, scholar	62.50	
Charles I. Lambert, assistant	50.00	
Apparatus and supplies		\$ 567.31

CHEMISTRY.

Launcelot W. Andrews, professor	\$ 2,400.00	
Carl von Ende, instructor	1,000.00	
H. H. Lochridge, storekeeper	650.00	
Alice Ankeney, fellow	225.00	
Apparatus and supplies		\$ 1,010.10

CIVIL ENGINEERING.

Alfred V. Sims, professor	\$ 2,200.00	
Charles S. Magowan, assistant professor	1,500.00	
Gaylord Weeks, instructor	1,000.00	
Roy C. Hardman, assistant	52.00	
Apparatus and supplies		\$ 3,221.45

ENGLISH.

Clark F. Ansley, professor	\$ 2,200.00
Alice Young, assistant professor and dean	1,500.00
S. N. Hagen, instructor	800.00
Samuel B. Sloan, assistant instructor	700.00
C. B. Cooper, assistant instructor	500.00
Percival Hunt, fellow	225.00
John G. Bowman, scholar	125.00
Mary E. Polk, scholar	125.00
Sarah R. Quigley, theme reader	39.75
Mabel A. Rundell, theme reader	100.00
L. H. Mitchell, theme reader	50.00
Emma L. M. Reppert, theme reader	28.25

Jennie O. Loizeaux, theme reader	100.00	
Bessie Stover, theme reader	16.75	
Paul S. Filer, theme reader	19.50	
Apparatus and supplies		\$137.85

ECONOMICS AND STATISTICS.

W. R. Patterson, assistant professor	\$ 1,040.00	
Apparatus and supplies		\$49.86

FRENCH.

Frederick C. L. van Steenderen, professor	\$ 1,800.00	
Stephen H. Bush, instructor	800.00	
Bertha C. Williams, assistant	200.00	
Victoria Hruska, scholar	125.00	
Apparatus and supplies		\$21.73

GEOLOGY.

Samuel Calvin, professor	\$ 2,400.00	
Russell D. George, assistant professor	1,200.00	
James H. Lees, scholar	125.00	
John Carville, assistant	450.00	
Apparatus and supplies		\$759.29

GERMAN.

Charles B. Wilson, professor	\$ 2,200.00	
Fred B. Strum, assistant professor	1,200.00	
C. W. Eastman, assistant professor	1,200.00	
C. A. Williams, fellow	225.00	
George C. Wise, scholar	125.00	
Apparatus and supplies		\$38.60

GREEK.

Arthur Fairbanks, professor	\$ 2,000.00	
Leona A. Call, professor	1,500.00	
Myron C. Gaston, scholar	125.00	
Apparatus and supplies		\$799.54

HISTORY.

William C. Wilcox, professor	\$ 2,200.00	
Harry G. Plum, assistant professor	1,200.00	
Frank H. Garver, fellow	225.00	
Apparatus and supplies		\$50.00

LATIN.

Amos N. Currier, professor and dean	\$ 2,400.00	
Cleveland K. Chase, assistant professor	1,300.00	
Louise E. Hughes, instructor	1,000.00	
Helen M. Eddy, fellow	225.00	
Apparatus and supplies		\$58.44

MATHEMATICS.

I. aenas G. Weld, professor and dean	\$ 2,300.00	
Arthur G. Smith, assistant professor	1,300.00	
John V. Westfall, instructor	1,000.00	
W. E. Beck, assistant instructor	500.00	
Harry E. Burton, scholar	125.00	
Apparatus and supplies		\$244.97

MILITARY.

George R. Burnett, commandant	\$ 500.00	
O. A. Kuck, band master	150.00	
Apparatus and supplies		\$182.00

MORPHOLOGY.

Gilbert L. Houser, professor	\$ 1,600.00	
John J. Lambert, instructor	900.00	
Frank A. Stromaten, scholar	225.00	
C. I. Lambert, assistant janitor	50.00	
Apparatus and supplies		\$499.53

PEDAGOGY.

Frederick E. Bolton, professor	\$ 1,900.00	
J. F. Brown, assistant professor and high school inspector	1,500.00	
Herbert C. Dorcas, instructor and university examiner	1,400.00	
Apparatus and supplies		\$ 653.03

PHILOSOPHY.

George T. W. Patrick, professor	\$ 2,200.00	
Carl E. Seashore, assistant professor	1,500.00	
H. W. Stuart, assistant instructor	400.00	
Mabel C. Williams, fellow	225.00	
Mark W. Williams, scholar	125.00	
Apparatus and supplies		\$505.23

PHYSICAL TRAINING.

Alden A. Knipe, professor	\$ 2,000.00	
Mabel Morgan, assistant	400.00	
Apparatus and supplies		\$1,735.04

PHYSICS.

Andrew A. Veblen, professor	\$ 2,200.00	
Charles F. Lorenz, instructor	900.00	
Lee P. Sieg, fellow	225.00	
W. M. Boehm, assistant	125.00	
Apparatus and supplies		\$709.32

POLITICAL SCIENCE.

Benjamin F. Shambaugh, professor	\$ 2,000.00	
Simeon E. Thomas, assistant instructor	600.00	
Kiyoshi Kawakami, fellow	225.00	
Apparatus and supplies		\$24.85

PUBLIC SPEAKING.

Henry E. Gordon, professor	\$ 2,000.00	
Hugh S. Buffum, scholar	125.00	
Mary E. Everts, scholar	250.00	
Apparatus and supplies		\$74.82

SCANDENAVIAN.

George T. Flom, professor	\$ 1,200.00	
Apparatus and supplies		\$32.90

SOCIOLOGY AND POLITICAL SCIENCE.

Isaac A. Loos, professor	\$ 2,200.00	
J. E. Conner, fellow	167.50	
M. L. Kephart, scholar	12.50	
Apparatus and supplies		\$51.30

ZOOLOGY.

Charles C. Nutting, professor	\$ 2,200.00	
Henry F. Wickham, assistant professor	1,200.00	
Rudolph Anderson, taxidermist	300.00	
James H. Paarmann, scholar	125.00	
Apparatus and supplies		\$561.99
Total salaries, apparatus and supplies for the		

year 1901-1902	\$ 80,988.75	\$ 11,989.05
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COLLEGE OF LAW.

	Salaries.	Current Expenses.
Charles Noble Gregory, dean	\$ 4,000.00	
Samuel Hayes, professor	2,300.00	
H. S. Richards, professor	2,200.00	
Elmer A. Wilcox, professor	1,600.00	
Emlin McClain, lecturer	500.00	
Horace E. Deemer, lecturer	500.00	
Martin J. Wade, lecturer	500.00	
H. Claude Horack, librarian	400.00	
J. O. Stevenson, assistant librarian	25.00	
Fred Sherman, assistant librarian	25.00	
S. Walter Farquahar, assistant librarian	25.00	
Frank A. Heald, stenographer	104.00	

Dana E. Brinck, stenographer	156.00	
Apparatus and supplies		\$34.45
Total salaries, apparatus and supplies for the		
year 1901-1902	\$ 12,335.00	\$34.45

COLLEGE OF MEDICINE.

	Salaries.	Current Expenses.
ANATOMY.		
John W. Harriman, professor	\$ 1,600.00	
hospital director	20.00	
John P. Mullin, demonstrator	1,080.00	
J. E. Taylor, assistant demonstrator	40.00	
H. D. Holman, assistant demonstrator	20.00	
James Dunn, assistant demonstrator	20.00	
J. E. Dunn, assistant demonstrator	20.00	
Dissecting		\$3,437.17
CHEMISTRY.		
Elbert W. Rockwood, professor	\$ 2,200.00	
Frank N. Brink, instructor	700.00	
Charles W. Johnson, instructor	800.00	
Charles M. Werts, fellow	200.00	
Apparatus and supplies		\$705.52
GYNECOLOGY.		
James R. Guthrie, professor	\$ 1,100.00	
J. G. Mueller, assistant	50.00	
HISTOLOGY.		
W. R. Whiteis, professor	\$1,650.00	
C. L. Smith, scholar	125.00	
E. E. Blythe, assistant	75.00	
Alden R. Hoover, assistant	400.00	
Apparatus and supplies		\$700.00
MATERIA MEDICA.		
Charles S. Chase, professor	\$ 1,100.00	
OPHTHALMOLOGY.		
James W. Dalbey, professor	\$ 425.00	
OTOLOGY.		
L. W. Dean, professor	\$ 350.00	

PATHOLOGY.		
Walter L. Bierring, professor	\$ 1,650.00	
T. W. Kemmerer, demonstrator	500.00	
Henry Albert, fellow	225.00	
Charles S. Krause, assistant	75.00	
Apparatus and supplies		\$708.25
PHYSIOLOGY.		
L. W. Dean, professor	\$ 1,100.00	
Fred Bailey, assistant	500.00	
Apparatus and supplies		\$669.17
SURGERY.		
W. D. Middleton, professor and dean	\$ 1,200.00	
Apparatus and supplies		\$128.93
THEORY AND PRACTICE.		
L. W. Littig, professor	\$ 1,100.00	
assistant in surgery	100.00	
University Hospital director	80.00	
A. J. Burge, assistant demonstrator	400.00	
Apparatus and supplies		\$19.65
LECTURERS.		
Eli Grimes, electro-therapeutics	\$ 150.00	
J. P. Crawford, surgical technique	50.00	
George E. Decker, diseases of children	100.00	
J. Fred Clarke, hygiene	250.00	
Gershom H. Hill, insanity	50.00	
TUTOR.		
Clara B. Whitmore, latin	\$ 100.00	
Total salaries, apparatus and supplies for the		
year 1901-1902	\$ 19,605.00	\$6,362.72

COLLEGE OF HOMEOPATHIC MEDICINE.

MATERIA MEDICA.		
George Royal, professor and dean	\$ 1,200.00	
Linton W. Struble, assistant	50.00	
OBSTETRICS.		
Charles H. Cogswell, professor	\$ 650.00	
Apparatus and supplies		\$150.00

OPHTHALMOLOGY.

Frank J. Newberry, professor	\$ 650.00	
Apparatus and supplies		\$127.58

SURGERY.

James G. Gilchrist, professor	\$ 1,100.00	
secretary	100.00	
director of Homeopathic Hospital	100.00	
Raymond E. Peck, assistant	70.00	
Leora Johnson, clinic assistant	50.00	
Apparatus and supplies		\$117.87

THEORY AND PRACTICE.

Frederick Becker, professor	\$ 1,100.00	
Benjamin R. Johnston, assistant	300.00	
Apparatus and supplies		\$29.57

LECTURER.

W. L. Bywater, diseases of women	\$ 250.00	
Total salaries, apparatus and supplies for the years 1901-1902	5,620.00	425.02

COLLEGE OF DENTISTRY.

OPERATIVE DENTISTRY.

	<i>Salaries.</i>	<i>Current Expenses.</i>
Frank T. Breene, professor	\$ 1,000.00	
E. A. Rogers, professor	1,500.00	
O. E. McCartney, demonstrator	900.00	
A. W. Starbuck, demonstrator	900.00	
Apparatus and supplies		\$55.00

ORAL SURGERY.

William H. DeFord, professor	\$ 1,000.00
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PROSTHETIC DENTISTRY.

William S. Hosford, professor and dean	\$ 1,900.00	
William J. Brady professor	1,500.00	
Frank B. James, demonstrator	900.00	
Henry Morrow, assistant demonstrator	300.00	
C. C. Nutting, lecturer	50.00	
C. S. Baker, lecturer and demonstrator	25.00	
Frank B. James, demonstrator anatomy	200.00	
S. S. White Dental Co., material	23.25	
Chairs, cases and lathes		\$1,806.99
Clinical supplies		2,992.83
Apparatus and supplies		1,033.12

CLERK.

Ella Baschnagel	\$ 350.00
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CUSTODIAN.

E. A. Spraker	\$ 600.00
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Total salaries, apparatus and supplies for the year 1901-1902	\$ 11,148.25	\$ 5,887.94
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COLLEGE OF PHARMACY.

	<i>Salaries.</i>	<i>Current Expenses.</i>
Emil L. Boerner, professor	\$ 1,600.00	
Thomas H. Macbride, professor	200.00	
Charles S. Chase, professor	100.00	
Bohumil Shimek, professor	200.00	
Wilber J. Teeters, assistant professor	1,200.00	
Zada M. Cooper, assistant	500.00	
Apparatus and supplies		\$897.97

Total salaries, apparatus and supplies for the year 1901-1902	\$3,800.00	\$897.97
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LIBRARIANS.

Bertha G. Ridgway, librarian	\$ 900.00	
Bessie G. Parker, assistant librarian	550.00	
Harriet A. Wood, cataloguer	900.00	
Joanna G. Strange, assistant	197.15	
M. C. Gaston, night assistant	1.40	
Grace E. Switzer, night assistant	129.70	
J. H. Lees, night assistant80	
Margaret Budington, night assistant	173.75	
Joanna G. Strange, night assistant	92.40	
Apparatus and supplies		\$180.28

Total salaries, apparatus and supplies for the year 1901-1902	\$ 2,945.20	\$180.28
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General library books	\$ 2,025.79
College of Liberal Arts library books	3,000.000
College of Law library books	1,046.07
College of Medicine library books	998.69
College of Homeopathic Medicine library books	99.63
College of Dentistry library books	36.50
College of Pharmacy library books	48.65

Total	\$ 2,945.20	\$7,426.01
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ADMINISTRATION.

George E. MacLean, president	\$ 6,000.00	
Apparatus and supplies		\$229.71
*Mimeograph bureau help		249.52
William J. Haddock, secretary	2,000.00	
Emma Haddock, assistant secretary	800.00	
Assistants in secretary's office		500.00
Apparatus and supplies		88.04
Lovell Swisher, treasurer	1,400.00	
Bertha Quaintance, registrar	700.00	
Apparatus and supplies		601.95
Assistants in registrar's office		566.11
Luther A. Brewer, publisher and lecturer in journalism	500.00	
Alice B. Chase, secretary to the president	700.00	
Edward C. Barrett, clerk in president's office	184.12	
†University examiner's supplies		24.56
†University examiner's assistants		136.77

Total salaries, apparatus and supplies for the year 1901-1902\$12,284.12 \$2,396.66

*This appropriation made to supply the different department with necessary stenographic service.

†These appropriations made to cover cost in examination made for the several colleges.

GENERAL EXPENDITURES, 1901-1902

Publication	\$ 293.17
This amount was expended for printing "Studies in Psychology, plates," etc.	
Janitors, engineers and firemen	10,046.70
The head janitor is paid \$60.00 per month; janitors in charge of buildings from \$30.00 to \$40.00 per month; scrub women from \$12.00 to \$18.00 per month, and 15c per hour for extra time. Pay-roll includes from thirty to forty persons, many of them paid on part time.	
The engineer is paid \$75.00 per month, and firemen from \$40.00 to \$50.00 per month.	
Fuel	13,058.47
Contract for coal for 1901-1902 was awarded the Marquette Third Vein Coal Company," of Davenport, Iowa, at the following figures f. o. b. Iowa City: Lump, \$2.77; mine run, \$2.57; slack, \$1.80; nut, \$2.77. Failure of the company to furnish the quality of coal as per contract, necessitated the purchase of coal from the E. E. Pinney Coal Company, Cedar Rapids, Iowa, at the following figures, f. o. b. Iowa City. Steam, \$1.85; lump, \$2.66; mine run, \$2.45. Hauling cost from 17 to 20 cents per ton.	
Opera house	190.00

Used 7 nights at \$25.00 per evening, and once in the day-time at \$15.00 per day.	
Gas	2,199.59
Furnished to light all the University buildings.	
water rent	1,385.00
For all water used in all University buildings the cost is about \$400.00 per quarter.	
Young Men's Christian Association rent	213.48
The University rents the main auditorium and several small rooms in this building for the literary societies, and pays \$50.00 per month for use of same less the fuel and gas.	
President's traveling expenses	353.06
Commencement expense	873.45
Alumni association	150.00
This sum is expended by the alumni association in securing statistics, addresses, etc., of the alumni.	
General lecturers	189.30
This sum is paid for lectures by prominent educators and specialists.	
General expenses and sundry supplies	2,819.63
This sum was expended for items for which no special appropriations were made.	
Printing and paper	1,200.55
Used as stationery by the faculties and for publications.	
Catalogues and wrappers	2,165.20
Cost of printing and mailing catalogues of the different colleges.	
Postage	701.22
In all colleges and departments.	
News Letter Bulletin	179.30
A four-page bulletin published monthly in the interest of the University.	
Telephones and telegrams	327.11
Advertising	484.15
Of the different colleges in miscellaneous papers.	
Fire protection	1,161.81
This amount was expended for the purchase of a Duplex pressure pump, for piping, and for labor, for installing a better water system on the campus in case of fire.	
University hospital	13,124.94
See special account.	
Homeopathic hospital	4,607.80
See special account.	
Law loan account	572.35
This sum was expended for purchase of law books in the College of Law.	
Outstanding bills	2,086.85

This sum was expended in paying outstanding bills that were unpaid at the beginning of the fiscal year.

Building repairs	9,317.84
This sum was expended in rebuilding and repairing the fire-destroyed medical building, and constructing a temporary building out of the fire-destroyed South hall to be used by the Civil Engineering department.	
G. H. Ellsworth	538.66
Superintendent of maintenance and buildings, salary for part of March and April and May and June, 1902, \$150.00 per month.	
Sundry miscellaneous items	113.00
Total	\$ 68,352.63

UNIVERSITY HOSPITAL ACCOUNT.

1901-1902.

Credit balance, July 1, 1901

Receipts.

Credit balance, July 1, 1901	\$ 2,479.58
<i>Receipts.</i>	
Hospital earnings for month of July, 1901	\$ 491.19
Hospital earnings for month of August, 1901	558.00
Hospital earnings for month of September, 1901	262.03
Hospital earnings for month of October, 1901	820.92
Hospital earnings for month of November, 1901	772.85
Hospital earnings for month of December, 1901	943.92
Hospital earnings for month of January, 1902	968.83
Hospital earnings for month of February, 1902	1,731.38
Hospital earnings for month of March, 1902	1,059.31
Hospital earnings for month of April, 1902	1,220.90
Hospital earnings for month of May, 1902	1,433.95
Hospital earnings for month of June, 1902	871.15
Total	\$13,624.01

Disbursements.

Pay-roll July, 1901	\$ 299.14	
Provisions and supplies	738.02	\$1,037.16
Pay-roll August, 1901	334.65	
Provisions and supplies	397.28	731.93
Pay-roll September, 1901	345.36	
Provisions and supplies	516.08	861.44
Pay-roll October, 1901	255.85	
Provisions and supplies	965.21	1,321.06
Pay-roll November, 1901	405.36	
Provisions and supplies	883.90	1,289.26

Pay-roll December, 1901	385.25	
Provisions and supplies	885.96	1,254.21
Pay-roll January, 1902	356.84	
Provisions and supplies	630.45	987.29
Pay-roll February, 1902	325.12	
Provisions and supplies	973.06	1,198.18
Pay-roll March, 1902	357.67	
Provisions and supplies	676.23	1,033.90
Pay-roll April, 1902	375.61	
Provisions and supplies	803.30	1,178.91
Pay-roll May, 1902	413.98	
Provisions and supplies	603.40	1,017.38
Pay-roll June, 1902	370.96	
Provisions and supplies	843.26	1,214.22
Total		\$13,124.94
Cash on hand		499.07

\$13,624.01 \$13,624.01

HOMEOPATHIC HOSPITAL ACCOUNT.

1901-1902.

Credit balance, July 1, 1901

Receipts.

Credit balance, July 1, 1901	\$ 174.27
<i>Receipts.</i>	
Hospital earnings for month of July, 1901	\$ 122.25
Hospital earnings for month of August, 1901	159.75
Hospital earnings for month of September, 1901	191.50
Hospital earnings for month of October, 1901	358.50
Hospital earnings for month of November, 1901	277.30
Hospital earnings for month of December, 1901	262.75
Hospital earnings for month of January, 1902	275.85
Hospital earnings for month of February, 1902	314.25
Hospital earnings for month of March, 1902	271.55
Hospital earnings for month of April, 1902	350.60
Hospital earnings for month of May, 1902	420.70
Hospital earnings for month of June, 1902	245.75

Total

Disbursements.

Pay-roll July, 1901	\$141.40	
Provisions and supplies	203.34	\$344.74
Pay-roll August, 1901	126.80	
Provisions and supplies	81.29	208.09
Pay-roll September, 1901	171.90	
Provisions and supplies	434.96	606.86
Pay-roll October, 1901	175.90	
Provisions and supplies	203.86	379.76

Pay-roll November, 1901	179.40	
Provisions and supplies	154.21	333.61
Pay-roll December, 1901	163.30	
Provisions and supplies	212.66	375.96
Pay-roll January, 1902	155.80	
Provisions and supplies	260.05	415.85
Pay-roll February, 1902	181.40	
Provisions and supplies	242.55	423.95
Pay-roll March, 1902	182.40	
Provisions and supplies	210.69	393.09
Pay-roll April, 1902	179.00	
Provisions and supplies	275.74	454.74
Pay-roll May, 1902	181.00	
Provisions and supplies	134.04	315.04
Pay-roll June, 1902	158.80	
Provisions and supplies	197.31	356.11
Total	4,607.80	
Overdraft		1,183.38
	\$4,607.80	\$4,607.80

INCOME FUND—RECAPITULATION OF DISBURSEMENTS.

Salaries—

College of Liberal Arts	\$80,988.75	
College of Law	12,335.00	
College of Medicine	19,605.00	
College of Homeopathic Medicine	5,620.00	
College of Dentistry	11,148.25	
College of Pharmacy	3,800.00	
Librarians	2,945.20	
Administration	12,284.12	\$148,726.32

Supplies—

College of Liberal Arts	\$11,989.65	
College of Law	34.45	
College of Medicine	6,362.72	
College of Homeopathic Medicine	425.02	
College of Dentistry	5,887.94	
College of Pharmacy	897.97	
Librarians	7,436.01	
Administration	2,396.66	
General expenditures	68,352.63	103,782.45

Grand total

	\$252,508.77
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ALUMNI BOOK ACCOUNT, 1901-1902.

Receipts—

Donation paid in by L. G. Weld	\$ 32.50
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LAW LOAN ACCOUNT, 1901-1902

Credit balance July 1, 1901		350.40
Collections November, 1901		242.40
Collections February, 1902		5.50
Collections June, 1902		88.35
<i>Disbursements—</i>		
H. C. Horack, books	\$280.00	
Paid various persons, books, etc	292.35	
Credit balance	113.90	
	\$686.25	\$686.25

SPECIAL LAND FUND—1901-1902.

From state appropriation 29th G. A., Chapter 183.

Section 2

	\$ 23,000.00
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Disbursements—

Caroline and H. J. Wieneke, lot No. 2, block 79, Iowa City	\$ 6,000.00
George P. Fictor, 40x40 feet off rear end of No. 7, block 79, Iowa City	700.00
Lillie P. and W. J. Welch, 30 feet off east end south half lot No. 4, block 17, Iowa City	400.00
Leora Johnson, 30 feet off east end north half lot No. 4, block 79, Iowa City	400.00
Geo. L. Falk, agent, west 45 feet lot No. 7, block 79, Iowa City	7,500.00
The Congregational society, 134 feet off north end lot 1, block ...; also 20 feet off east side lot No. 3, block 79, Iowa City	7,500.00
John U. Plank, taking five acknowledgments	2.50
Total	\$ 22,502.50
Cash on hand	497.50
	\$23,000.00

ONE-TENTH OF MILL BUILDING TAX FUND—1901-1902.

This money was expended in completing the College of Liberal Arts building and the power house and heating plant.

*Receipts.*From state appropriation, 26th G. A., Chapter 3, Section 2644

	\$ 25,275.00
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Disbursements.

Overdraft July 1, 1901	\$ 37,097.94
7-16-01 Leuz & Co., freight and hauling	17.67
Frank Henry, cement work	350.00
C. Hurley, plumbing	32.39
Maresh Bros., copper	425.00
Maresh Bros., labor and materials	38.23
R. H. Dalby & Co., blackboard work	1,055.79

	Charlton Wright, Supt., salary, July, 1901	125.00	
	Sheets & Freyer, material	56.83	
	Pay-roll, help	59.35	
	E. E. Pinney, coal	36.87	
	Jas. Rowson & Son., work, estimate No. 3	2,040.64	
	Chas. Morris, frescoing	345.00	
	E. L. Boerner, material	.40	
	W. Musser, material	17.70	4,591.87
8-29-01	Schneider Bros., furniture	1,350.00	
	Sheets & Freyder, material	1.00	
	W. Musser, material	2.35	
	Drake Mantel & Tile Co., flooring, Est. No. 2	800.00	
	Drake Mantel & Tile Co., material	61.89	
	Peoria Stone & Marble Co., labor	4.50	
	Pittsburg Plate Glass Co., glass	1,353.53	
	Jas. Rowson & Son, work, Est. No. 4	1,002.51	
	Charlton Wright, Supt., one-half salary August and material	64.87	
	Lichty & Thomas, material	3.75	
	Leuz & Co., freight and hauling	26.89	
	Orr Lockett Hdw. Co., hardware, Est. No. 1	2,000.00	6,671.29
9-25-01	Jas. Rowson & Son, pay-roll	117.58	
	Tri-City Electric Light Co., switchboard	140.00	
	Wm. Musser, material	119.57	
	Jas. Rowson & Son, pay-roll	438.81	
	C. Hurley, labor and material	108.96	
	Minneapolis Desk Mfg. Co., furniture	453.00	
	Laclede Fire Brick Mfg. Co., brick	32.00	
	Charlton Wright, labor	1.00	
	Lafayette Lumber & Mfg. Co., mill work	1,148.98	
	Orr Lockett Hdw. Co., hardware	5.62	
	C. Hurley, plumbing and gas fitting	714.06	
	C. Hurley, plumbing and gas fitting	412.00	3,743.58
11- 1-01	Proudfoot & Bird, architects	1,500.00	
	Leuz & Co., freight and hauling	188.07	
	C. Hurley, plumbing, etc	46.90	
	C. Hurley, plumbing, etc	7.84	
	C. Hurley, steam fitting	500.00	
	Wm. Musser, lumber	78.95	
	Lichty & Thomas, keys	1.75	
	Schneider Bros., furniture	951.20	
	Ditmars & Ayres, lumber	20.02	
	Chicago Engineer Supply Co., machinery	226.64	
	J. B. Clow & Sons, machinery	279.61	
	Jas. Rowson & Son, pay-roll	678.53	
	Jas. Rowson & Son, pay-roll and com.	243.95	
	Jas. Rowson & Son, labor and commission	330.14	
	Jas. Rowson & Son, material and com.	314.94	

	Jas. Rowson & Son, labor and material	982.74	
	Geo. A. Mullin, window shades	302.70	
	Will Matthes, labor	43.20	
	J. S. Mahana, labor and material	41.30	
	F. Patterson, labor	57.00	
	Wm. Musser, lumber	428.43	
	Marshall Field & Co., rugs	136.65	
	Sheets & Freyer, lumber	.50	
	Grand Rapids School Furniture Works, chairs	628.20	
	Machinist Supply Co., tools	63.22	
	John L. Beny, sewer pipe and labor	106.65	8,159.14
11-22-01	A. L. Ide & Sons, engine	300.00	
	Ford John & Co., chairs	304.76	
	C. Hurley, plumbing and material	30.93	
	E. L. Boerner, furniture	1.40	
	C. Hurley, plumbing and material	100.00	
	Strub & Co., curtain rods	4.20	
	Edw. Rabenau, switches and labor	120.20	
	Phoenix Chair Co., chairs	407.68	1,269.17
12-19-01	Schneider Bros., settees and chairs	98.70	
	Ditmars & Ayers, lumber	22.70	
	Electrical App. Co., electrical supplies	248.40	
	Drake Mantel & Tile Co., floor and marble work	298.41	
	Tri-City Electric Co., electrical supplies	1,733.00	
	Sawyer Man Electric Co., electrical sup.	95.74	2,496.95
1-22-02	E. A. Putnam, electrical work	55.21	
	Schneider Bros., furniture	46.43	
	Wickham & Diehl, bulletin boards	21.00	
	Jas. Clow & Co., machinery and tools	104.99	
	Johnson Temp. Cont. Co., machinery and tools	89.65	
	B. F. Sturtevant Co., machinery and tools	13.60	330.88
2-20-02	Jas. B. Clow & Son, machinery and tools	17.42	
	Johnson Temp. Cont. Co., machinery and tools	16.50	33.92
3-18-02	Jas. Rowson & Son, labor and material	216.71	216.71
4-15-02	Charlton Wright, labor	9.01	
	Love'll Swisher, interest on building notes	663.14	672.15
5-15-02	Ira E. Tulloss, man-hole cover	5.00	
	F. D. Patterson, building man-hole	8.05	13.05
6-10-02	Drake Mantel & Tile Co., flooring and tile	1,404.79	
	Standard Arch. Iron Works, material	1,680.00	
	Jones & Laughlins, Ltd., material	1,958.49	
	Sykes Steel Roofing Co., material	339.30	
	Chas. H. Meers & Co., material	166.20	
	Butler Street Foundry, material	480.00	
	Jas. M. Decker, labor	114.60	

S. Bonneville, material	30.57	
Frank Henry, material	30.60	
Adamant Mfg. Co., material	648.77	
B. F. Sturtevant, material	687.84	
S. H. Harris Co., material	45.37	
A. Frantzer Co., material	270.00	
E. P. Dickenson, material	4.80	
Assyrian Asphalt Co., material	30.00	
Empire Fire Roofing Co., material	3,427.02	
Davenport Gas & Electric Co., material...	50.40	
John Volk & Co., material	32.70	
Lewis Roofing Co., material	130.41	
W. M. Musser, material	21.24	
Hess & Co., material	1.89	
H. W. Hughes, material	175.20	11,549.59
6-27-02 L. Swisher, Treas. int. on building notes..	338.34	
Pittsburg Plate Glass Co., material	100.00	438.34
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Total	\$ 77,284.58	
Overdraft	52,009.68	
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	\$77,284.58	

REPAIR AND CONTINGENT FUND, 1901-1902

Receipts.

From state appropriation, 28th G. A., Chapter 152, Section 2\$4,000.00

Disbursements.

8- 8-01 Overdraft	\$ 807.10	
Gerber & Mentzer, material and labor..	\$ 153.84	
Wm. Musser, lumber for sidewalks....	234.17	
Pay-roll for repairing, etc., for month of July	166.50	
Labor and material furnished by va- rious persons during month of July.	191.80	746.31
8-28-01 Labor and material furnished by va- rious persons during month of August	511.96	511.96
9-25-01 Jas. Rowson & Son, plastering and labor	222.60	
Jas. Rowson & Son, labor and material, repairing	303.41	
Ditmars & Ayers, lumber for repairing.	312.64	
Wm. Musser, lumber for repairing	166.87	
Labor and material furnished by va- rious persons during month of Sep- tember	517.08	1,522.60
11- 1-01 Labor and material furnished by va- rious persons during month of Octo- ber	213.51	213.51

11-22-01 Labor and material furnished by va- rious persons during month of No- vember	19.99	19.99
2-20-02 Labor and material furnished by va- rious persons during month of Jan- uary	118.37	118.37
4-15-02 Labor and material furnished by va- rious persons during month of March.	60.16	60.16
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Total	4,000.00	4,000.00

CONTINGENT FUND, 1901-1902.

This sum is the balance of the \$15,000.00 that was appropriated by the Executive Council for rebuilding and repairing the fire-destroyed medical building and South hall. The difference, \$4,237.92, was expended as reported in the previous biennial period.

Receipts.

1901.	
October 1, state warrant	\$ 3,263.88
November 1, state warrant	4,340.75
December 19, state warrant	2,501.01
1902.	
January 22, state warrant	203.43
February 20, state warrant	12.50
March 18, state warrant	440.43
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Total	\$ 10,762.08

Disbursements.

8-29-01 Leuz & Co., freight and hauling....	\$ 168.17
Wm. Musser, lumber	1,795.66
Paid various persons for material and labor	27.41 \$1,991.24
9-25-01 G. Grubler & Co., equipment and apparatus, medical	176.15
G. Grubler & Co., equipment and apparatus, medical	158.12
Herman Dumler, equipment and ap- paratus, medical	155.56
Maison Wiesnegg, equipment and apparatus, medical)	137.38
Franz Joseph Stager, equipment and apparatus, medical	280.49
Maison Tramond, equipment and apparatus, medical	172.00
Maison Tramond, equipment and apparatus, medical	143.33

	Paid various persons for material and labor	49.61	1,272.64
11- 1-01	Chicago Lab. S. & S. Co., equipment and apparatus, medical	1,056.50	
	Bausch & Lomb Optical Co., equipment and apparatus, medical ...	3,135.96	
	Paid various persons for labor or equipment and apparatus	148.27	4,340.73
12-19-01	C. E. Fawcett, equipment and apparatus, civ. eng.	296.71	
	Bausch & Lomb Optical Co., equipment and apparatus, medical....	2,294.30	2,501.01
1-22-02	Riehle Bros., testing machine	196.13	
	Paid various persons for labor and material, medical	7.30	203.43
2-22-02	Paid various persons for labor or material, medical	12.60	12.60
3-18-02	C. Hurley, steam fitting, med. bldg	440.43	440.43
		<u>\$10,762.08</u>	<u>\$10,762.08</u>

A. WHITNEY CARR FREE SCHOLARSHIP FUND, 1901-1902.

Credit balance, July 1, 1901	\$ 45,000.94
August 3, 1901, by cash	4,999.06
	<u>\$ 50,000.00</u>

Loaned to the treasurer for investment	50,000.00
	<u>\$50,000.00</u> <u>\$50,000.00</u>

Note.—On this fund Mr. Carr is paid 3 per cent annually, and the balance of interest goes into the A. Whitney Carr Free Scholarship Income Fund.

A. WHITNEY CARR FREE SCHOLARSHIP INCOME FUND, 1901-1902.

Receipts.

From interest on investment	\$ 1,859.02
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Disbursements.

A. Whitney Carr, semi-annual annuity	\$750.00
A. Whitney Carr, semi-annual annuity	750.00
F. G. Brainerd, scholarship	\$20.00
C. G. Bowman, scholarship	20.00
Mary A. Gordon, scholarship	25.00
Lee A. Hartshorn, scholarship	10.00
E. A. Haskins, scholarship	25.00
H. M. Ivins, scholarship	25.00
J. C. Landers, scholarship	25.00
Lou C. Landers, scholarship	25.00

Claude M. Miller, scholarship	25.00	
H. G. D. Nutting, scholarship	25.00	
V. T. Neander, scholarship	25.00	
F. Sangster, scholarship	25.00	
Nellie B. Sebern, scholarship	25.00	
Hugh Young, scholarship	25.00	330.00
		<u>\$ 1,830.00</u>
Credit balance	29.02	
		<u>\$1,859.02</u> <u>\$1,859.02</u>

FRANK O. LOWDEN ORATORY PRIZE FUND, 1901-1902.

By twenty-five shares 7 per cent preferred stock National Biscuit Company	\$ 2,500.00
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FRANK O. LOWDEN ORATORY PRIZE INCOME FUND, 1901-1902.

Receipts.

12- 1-01	Dividend, National Biscuit Co	\$ 131.25
2-25-02	Dividend, National Biscuit Co	43.75
6- 3-02	Dividend, National Biscuit Co	43.75
		<u>\$ 218.75</u>

Disbursements.

Edwin K. Brown	\$100.00	
Thos. D. Schall	50.00	\$150.00
Credit balance		68.75
		<u>\$218.75</u> <u>\$218.75</u>

DONATED LAND FUND, 1901-1902.

Credit balance, July 1, 1901	301.31
Rents on land	180.00
	<u>\$481.31</u>

Disbursements.

Credit balance	\$ 481.32
	<u>\$481.31</u> <u>\$481.31</u>

LIBRARY TAX FUND, 1901-1902

Credit balance, July 1, 1901	\$ 798.62
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Disbursements.

8- 8-01	G. E. Stechert, books	\$195.92	
	Paid various persons, labor, books..	100.52	\$296.44
2- 2-02	Paid various persons, labor, books..	4.50	4.50
4-15-02	Paid various persons, labor, books..	67.46	67.46

4-15-02	Transfer to liberal arts library	156.77	156.77
5-15-02	Paid various persons for labor and material	5.00	
	Cash on hand	268.45	
		<u>\$798.62</u>	<u>\$798.62</u>

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR FISCAL YEAR ENDING JULY 1, 1903

RECEIPTS.

From state Appropriations—

26th G. A., Chapter 3, Section 2643, Support.	\$65,500.00	
27th G. A., Chapter 143, Section 1, Support.	10,000.00	
28th G. A., Chapter 152, Section 2, Support.	50,000.00	
29th G. A., Chapter 183, Section 2, Support.	35,000.00	
29th G. A., Chapter 171, Section 2, 1-5 mill building tax	63,000.00	
28th G. A., Chapter 152, Section 2, Repair and contingent	5,000.00	
29th G. A., Chapter 3, Section 2644, library tax	5,900.00	
29th G. A., Chapter 183, Section 2, commencement of medical buildings	50,000.00	284,400.00

From Gifts—

W. J. Bryan prize fund	250.00	250.00
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From Productive Funds—

A. Whitney Carr free scholarship income fund	2,380.17	
Frank O. Lowden oratory prize income fund	175.00	
Donated land income funds	2,454.82	
Special land fund	1,403.32	6,413.31

From Miscellaneous Sources—

Tuitions	57,051.76	
Diploma fees	934.00	
University hospital receipts	10,774.51	
Homeopathic hospital receipts	3,335.51	
Dental clinic receipts	5,205.35	
Breakage deposits, net	395.55	
Law loan account	405.55	
Interest on permanent fund	12,028.23	
Rents	274.09	
Old material, furniture, etc	350.02	
Miscellaneous cash, refunds, rebates, etc.	311.05	91,065.52

Grand total receipts \$382,128.93

Disbursements, 1902-1903—

College of Liberal Arts	\$ 91,954.44
College of Law	13,270.00
College of Medicine	26,462.92

College of Homeopathic Medicine	5,722.07	
College of Dentistry	15,962.77	
College of Pharmacy	4,799.38	
Librarians and books	7,419.74	
Administration	14,509.58	
Summer session and library school	4,106.20	
Graduate college	115.70	
Alumni book account	2.05	
General expenditures	57,851.35	
Special land fund	200.42	
A. Whitney Carr free scholarship income fund	2,400.00	
Frank O. Lowden oratory prize income fund	150.00	
College of liberal arts and power and heating plant	9,275.94	
Libraries, purchase of books	4,559.15	
General repairs	4,859.21	
Donated lands	2,134.02	
Medical buildings	58,229.49	
Total expended	\$323,984.49	
Total receipts		382,128.93
Difference between receipts and disbursements for 1902-03	58,144.44	

\$382,128.93 \$382,128.93

RECEIPTS OF INCOME FUND 1902-1903, ITEMIZED.

From State Appropriations—

26th G. A., Chapter 3, Section 2643	\$65,500.00	
27th G. A., Chapter 142, Section 1	10,000.00	
28th G. A., Chapter 152, Section 2	50,000.00	
29th G. A., Chapter 183, Section 2	35,000.00	\$160,500.00

From Miscellaneous Accounts—

Law loan account	405.55	405.55
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From Hospitals—

University hospital, see special account	10,774.51	
Homeopathic hospital, see special account	3,335.51	14,110.02

From Miscellaneous Sources—

Tuition—		
College of Liberal Arts	11,162.00	
College of Law	11,307.50	
College of Medicine	14,772.50	
College of Homeopathic Medicine	2,030.00	
College of Dentistry	13,820.00	
College of Pharmacy	2,462.00	
Summer session and library school	762.50	
Combined courses	733.26	57,051.76

Diploma Fees—		
College of liberal arts	696.50	
Graduate college, master's degrees	180.00	
College of law	69.00	945.50
Interest on permanent fund	12,028.23	12,028.23
Dental Clinic Receipts—		
Collections for October, 1902	264.97	
Collections for November, 1902	305.73	
Collections for December, 1902	460.00	
Collections for January, 1903	506.60	
Collections for February, 1903	520.01	
Collections for March, 1903	638.30	
Collections for April, 1903	800.06	
Collections for May, 1903	783.27	
Collections for June, 1903	926.41	5,205.35
Breakage deposits, net	427.73	427.73
Rents	274.09	274.09
Old material, furniture, etc., sold	94.85	94.85
Miscellaneous cash refunds, rebates, etc	355.04	355.04
Total receipts		\$251,398.12
Debit balance, July 1, 1902	7,642.69	
Total expenditures, 1902-03	242,176.26	
Credit balance, July 1, 1903	1,578.17	
		\$251,398.12 \$251,398.12

DISBURSEMENTS FROM INCOME FUND, 1902-1903.

COLLEGE OF LIBERAL ARTS.

BOTANY.

	Salaries.	Current Expenses.
Thomas H. MacBride, professor	\$2,400.00	
Bohumil Shimek, professor	1,300.00	
Fred J. Seaver, scholar	125.00	
H. M. Ivins, assistant	50.00	
Lucy M. Cavanagh, instructor	100.00	
Apparatus and supplies		\$476.99

CHEMISTRY.

L. W. Andrews, professor	2,400.00	
Carl von Ende, instructor	1,000.00	
H. H. Lochridge, assistant	650.00	
Alice Ankeney, assistant instructor	400.00	
Apparatus and supplies		\$25.00

CIVIL ENGINEERING.

A. V. Sims, professor	2,200.00	
Chas. S. Magowan, assistant professor	1,500.00	
Byron J. Lambert, instructor	1,000.00	
S. E. Shaff, assistant	801.66	
Apparatus and supplies		673.12

ECONOMICS.

Thos. W. Mitchell, assistant instructor	450.00	
J. E. Conner, assistant instructor	500.00	
Geo. L. Cady, lecturer	200.00	
J. A. Underwood, scholar	125.00	
Apparatus and supplies		61.79

EDUCATION.

Frederick E. Bolton, professor	1,900.00	
John F. Brown, professor and high school inspector ..	1,600.00	
J. Percival Huggett, instructor and univ. examiner ..	1,175.00	
Edward R. Collins, scholar	125.00	
Apparatus and supplies		761.33

ENGLISH.

Clark F. Ansley, professor	2,200.00	
Alice Young, asst. prof. and dean of women	1,500.00	
S. N. Hagen, instructor	800.00	
Samuel Sloan, instructor	800.00	
John G. Bowman, assistant instructor	400.00	
Percival Hunt, assistant instructor	600.00	
Mary E. Polk, fellow	225.00	
Mary G. Chawner, fellow	225.00	
Sarah R. Quigley, scholar	125.00	
L. H. Mitchell, theme reader	80.00	
Elizabeth L. Sherwood, theme reader	50.00	
Jennie O. Loizeaux, theme reader	100.00	
Mabel A. Rundell, theme reader	100.00	
Henry G. Walker, theme reader	5.00	
Paul S. Flier, theme reader	125.00	
Marjorie Quigley, theme reader	49.25	
Alice B. Curtis, theme reader	18.50	
Rita Kelley, theme reader	75.00	
Joanna Strange, theme reader	72.25	
Apparatus and supplies		136.53

FRENCH.

F. C. L. van Steenderen, professor	1,800.00	
Stephen H. Bush, instructor	1,000.00	
Harriette G. Holt, assistant instructor	500.00	
Fannie A. Sunier, scholar	125.00	
Apparatus and supplies		21.05

GEOLOGY.

Samuel Calvin, professor	2,400.00	
Russell D. George, professor	1,500.00	
James H. Lees, fellow	225.00	
John Carville, assistant	450.00	
Apparatus and supplies		494.15

GERMAN.

Charles B. Wilson, professor	2,200.00	
Frederick B. Strum, assistant professor	1,200.00	
Clarence W. Eastman, assistant professor	1,200.00	
Fletcher Briggs, fellow	225.00	
Charlotte M. Lorenz, scholar	125.00	
Apparatus and supplies		12.75

GREEK.

Arthur Fairbanks, professor	2,200.00	
Leona A. Call, professor	1,500.00	
Mabel G. Smith, scholar	125.00	
Apparatus and supplies		25.00

HISTORY.

William C. Wilcox, professor	2,200.00	
Harry G. Plum, professor	1,200.00	
Paul S. Pierce, instructor	400.00	
Theodore J. Saam, fellow	225.00	
Apparatus and supplies		50.39

LATIN.

Amos N. Currier, professor and dean	2,400.00	
Franklin H. Potter, professor	1,300.00	
Louise E. Hughes, instructor	1,000.00	
Katherine Paine, instructor	200.00	
Helen M. Eddy, fellow	225.00	
Apparatus and supplies		25.00

MATHEMATICS.

Laenas G. Weld, professor and dean	2,300.00	
Arthur G. Smith, assistant professor	1,300.00	
John V. Westfall, instructor	1,000.00	
W. E. Beck, assistant instructor	575.00	
Harry E. Burton, fellow	225.00	
Apparatus and supplies		39.25

MILITARY.

George R. Burnett, professor	500.00	
O. A. Kuek, band master	150.00	
James Kirby, armorer	60.00	
Apparatus and supplies and rent		150.00

MORPHOLOGY.

Gilbert L. Houser, professor	1,600.00	
John J. Lambert, instructor	900.00	
Frank A. Stromsten, assistant instructor	450.00	
Frank D. Kern, laboratory assistant	50.00	
Apparatus and supplies		300.00

PHILOSOPHY.

G. T. W. Patrick, professor	1,100.00	
Carl E. Seashore, professor	1,500.00	
H. W. Stuart, instructor	800.00	
Mabel C. Williams, assistant instructor	250.00	
L. F. Schaub, scholar	125.00	
Apparatus and supplies		208.56

PHYSICAL TRAINING.

Alden A. Knipe, professor	1,400.00	
Valborg Kastman, assistant	450.00	
Athletic Association, per W. A. Fry, treasurer	500.00	
Stenographer		100.00
Athletic field		243.36
Women's gymnasium supplies		98.72

PHYSICS.

Andrew A. Veblen, professor	2,200.00	
Charles F. Lorenz, instructor	900.00	
Lee P. Sieg, fellow	225.00	
W. M. Boehm, scholar	125.00	
Carl V. Kent, assistant	50.00	
Apparatus and supplies		399.55
Permanent repairs		999.76

POLITICAL SCIENCE.

Benj. F. Shambaugh, professor	2,000.00	
Frank E. Horack, instructor	600.00	
Apparatus and supplies		24.90

PUBLIC SPEAKING.

Henry E. Gordon, professor	2,000.00	
Mary S. Everts, assistant	500.00	
Thos. Farrell, scholar	125.00	
Apparatus and supplies		50.00

SCANDINAVIAN.

George T. Flom, acting professor in charge	1,200.00	
Apparatus and supplies		24.49

SOCIOLOGY.

Isaac A. Loos, professor	2,200.00	
Margaret A. Schaffner, instructor	600.00	
Henry S. Hollenbeck, scholar	75.00	
John M. Mehaffy, scholar	50.00	
Apparatus and supplies		None

ZOOLOGY.

Charles C. Nutting, professor	2,200.00	
Henry F. Wickham, assistant professor	1,200.00	
Rudolph M. Anderson, taxidermist	300.00	
William B. Bell, scholar	125.00	
Apparatus and supplies		161.31
Museum		203.97

Total salaries, apparatus and supplies for the year 1902-1903	\$85,386.66	\$6,567.78
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COLLEGE OF LAW.

Charles N. Gregory, professor and dean	\$4,000.00	
Harry S. Richards, professor	3,000.00	
Samuel Hayes, professor	2,300.00	
Elmer A. Wilcox, professor	1,600.00	
Horace E. Deemer, lecturer	500.00	
Martin J. Wade, lecturer	500.00	
Emlin McClain, lecturer	500.00	
Merton L. Ferson, librarian	400.00	
Dana E. Brinck, stenographer	260.00	
S. W. Farquhar, assistant librarian	25.00	
J. R. Ping, assistant librarian	25.00	
U. S. Hayden, assistant librarian	12.50	
Geo. Gorman, assistant librarian	12.50	
Apparatus and supplies		135.00

Total salaries, apparatus and supplies for the year 1902-1903	\$13,135.00	\$135.00
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COLLEGE OF MEDICINE.

ANATOMY.

John W. Harriman, professor	\$1,600.00	
John P. Mullin, demonstrator	1,320.00	
H. D. Holman, assistant demonstrator	40.00	
O. S. Gray, assistant demonstrator	20.00	
C. M. Cline, assistant demonstrator	20.00	
W. C. Wolverton, assistant demonstrator	20.00	
Apparatus and supplies		2.75
Dissecting		2,970.32

CHEMISTRY.

Elbert W. Rockwood, professor	2,200.00	
L. D. Niles, instructor	700.00	
Frank N. Brink, instructor	700.00	
Arthur Vandivert, fellow	200.00	
Apparatus and supplies		698.96

GYNECOLOGY.

James R. Guthrie, professor and dean	1,200.00	
J. G. Mueller, clinic assistant	50.00	

HISTOLOGY.

W. R. Whiteis, professor	1,650.00	
Alden R. Hoover, assistant instructor	800.00	
E. E. Blythe, assistant	200.00	
F. W. Boots, assistant	100.00	
H. Pease, assistant	50.00	
G. P. Kier, assistant	50.00	
Apparatus and supplies		399.52

MATERIA MEDICA.

Charles S. Chase, professor	1,100.00	
Apparatus and supplies		148.42

OPHTHALMOLOGY.

James W. Dalbey, professor	425.00	
Apparatus and supplies		None

OTOLOGY.

L. W. Dean, professor	500.00	
Apparatus and supplies		100.00

PATHOLOGY.

W. L. Bierring, professor	1,650.00	
Henry Albert, assistant instructor	800.00	
Charles I. Lambert, fellow	225.00	
Charles S. Krause, scholar	125.00	
Ralph L. Byrnes, laboratory assistant	50.00	
Apparatus and supplies		529.48

PHYSIOLOGY.

John T. McChintock, assistant professor	1,600.00	
Fred Bailey, assistant instructor	800.00	
Apparatus and supplies		367.72

SURGERY.

William Jepson, professor	1,100.00	
Apparatus and supplies75

THEORY AND PRACTICE.

L. W. Littig, professor	1,200.00	
Apparatus and supplies		None

PHYSICAL DIAGNOSIS.

A. J. Burge, instructor	200.00	
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LECTURERS.

Eli Grimes, electro-therapeutics	0.00	
J. P. Crawford, surgical technique	50.00	
G. E. Decker, pediatrics	100.00	
J. Fred Clarke, hygiene	100.00	
Gershon H. Hill, insanity	100.00	

LATIN TUTOR.

Clara B. Whitmore	100.00	
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Total salaries, apparatus and supplies for the year 1902-1903	\$ 21,245.00	\$5,217.92
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COLLEGE OF HOMEOPATHIC MEDICINE.

MATERIA MEDICA.

George Royal, professor and dean	\$ 1,200.00	
Linton W. Struble, assistant	50.00	
Apparatus and supplies		1.62

OBSTETRICS.

Frederick J. Becker, acting professor	950.00	
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OPHTHALMOLOGY.

Frank J. Newberry, professor (resigned)	300.00	
W. L. Bywater, (successor)	375.00	
Apparatus and supplies		25.00

SURGERY.

James G. Gilchrist, professor	1,100.00	
director of hospital	100.00	
Raymond E. Peck, assistant	70.00	
Apparatus and supplies		76.45

THEORY AND PRACTICE.

Benj. R. Johnston, acting professor	950.00	
Theo. L. Hazard, assistant	200.00	
Apparatus and supplies		24.00

LECTURERS.

W. L. Bywater, diseases of women (resigned)	125.00	
James Moorhead (successor)	125.00	
Leora Johnson, clinical assistant	50.00	

Total salaries, apparatus and supplies for the year 1902-1903	\$5,595.00	\$127.07
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COLLEGE OF DENTISTRY.

OPERATIVE DENTISTRY.

Frank T. Breene, professor	\$ 1,100.00	
G. P. Kier, assistant demonstrator	800.00	
A. W. Starbuck, demonstrator	900.00	
Roscoe H. Volland, assistant demonstrator	300.00	
Apparatus and supplies		46.60

ORAL SURGERY.

George V. I. Brown, lecturer	500.00	
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ORTHODONTIA.

Wm. J. Brady, professor	1,500.00	
Apparatus and supplies		15.00

PROSTHETIC DENTISTRY.

Wm. S. Hosford, professor and dean	1,900.00	
H. Morrow, Jr., demonstrator	800.00	
B. A. Small, assistant demonstrator	300.00	
Wm. J. Jeffries, assistant demonstrator	300.00	
James B. Dewey, assistant demonstrator	90.00	
Apparatus and supplies, furniture and operat- ing chairs		1,040.50
porcelain work		80.80
dues, N. A. D. C. Association		20.00
clinics		2,818.41
laboratory		848.38
shelves and cases		94.28
lavatories		208.90

REGIONAL ANATOMY.

E. A. Rogers, professor	1,500.00	
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LECTURER.

Charles C. Nutting, comparative odontography	50.00	
comparative anatomy dissecting	200.00	

CLERK.

Ella Baschnagel 350.00

CUSTODIAN.

Clarissa Joy 200.00

Total salaries, apparatus and supplies for the
year 1902-1903 \$ 10,790.00 \$5,172.77

COLLEGE OF PHARMACY.

Emil L. Boerner, professor and dean \$ 1,600.00
Wilber J. Teeters, professor and director 1,800.00
Zada M. Cooper, assistant 500.00
Bohumil Shimek, professor 200.00
Charles S. Chase, professor 100.00
Apparatus and equipment 599.38

Total salaries, apparatus and supplies for the
year 1902-1903 \$4,200.00 \$599.38

GRADUATE COLLEGE.

Apparatus and supplies \$ 115.70

LIBRARIANS.

Bertha G. Ridgway, librarian \$ 900.00
Harriet A. Wood, cataloguer, library 1,200.00
Mabel Colcord, assistant cataloguer 720.00
Joanna G. Strange, assistant 300.00
Nyle W. Jones, assistant 125.00
Ida E. Sawyer, reference assistant 550.00
Apparatus and supplies 291.43

Total salaries, apparatus and supplies for the
year 1902-1903 \$3,795.00 \$291.43

LIBRARIES.

Liberal Arts Library \$ 798.25
Law Library 1,188.72
Medical Library 950.57
Homeopathic Medical Library 96.95
Dental Library 198.87
Pharmacy Library 99.95

Total salaries, apparatus and supplies for the
year 1902-1903 \$3,795.00 \$3,624.74

ADMINISTRATION.

George E. MacLean, president \$6,000.00
Alice B. Chase, secretary to the president 700.00
Edward C. Barrett, president's clerk 225.00
Apparatus and supplies, president's office 153.87
*Mimeograph bureau 192.29
Wm. J. Haddock, Sec'y board of Regents (resigned) .. 916.68
Wm. J. McChesney, Sec'y board of Regents (successor) 800.00
Emma J. Haddock 233.31
Anna H. Quinn 200.00
L. W. Dutcher 109.80
Emma Valenta 195.92
E. C. Barrett 6.50
Mary Gordon 26.00
Apparatus and supplies 171.90
Lovell Swisher, treasurer 1,400.00
Bertha Quaintance, registrar 900.00
Clara L. Abernethy, assistant registrar 400.00
Miscellaneous persons, assistants 354.78
Apparatus and supplies 537.37
L. A. Brewer, publisher and lecturer on Journalism .. 500.00
†University examiner's stenographic work 130.89
†University examiner's apparatus and supplies 59.38
Superintendent of Maintenance and building, office
supplies 74.44

Total salaries, apparatus and supplies for the
year 1902-1903 \$12,384.74 \$2,124.84

*This appropriation made to supply the different departments with
necessary stenographic service.

†These appropriations made to cover cost in examinations made for
the several colleges.

SUMMER SESSION—1902-1903.

Arthur Fairbanks \$ 200.00
George D. Hadzsits 100.00
Louise E. Hughes 60.00
F. C. L. van Steenderen 200.00
Charles B. Wilson 200.00
George T. Flom 75.00
Clark F. Ansley 200.00
J. G. Bowman 45.00
Henry E. Gordon 200.00
W. C. Wilcox 200.00
Isaac A. Loos 200.00
Benj. F. Shambaugh 100.00
C. E. Seashore 150.00

George C. Fracker	60.00	
Frederick E. Bolton	200.00	
Gilbert L. Houser	200.00	
J. J. Lambert	45.00	
B. Shimek	150.00	
C. I. Lambert	45.00	
Walter Hendrixson	200.00	
W. M. Barr	45.00	
A. A. Veblen	200.00	
W. M. Boehm	60.00	
L. G. Weld	300.00	
John V. Westfall	60.00	
Apparatus and supplies		32.98
Apparatus and supplies		48.51
Total salaries, apparatus and supplies for the year 1902-1903	\$3,495.00	\$81.49

SUMMER LIBRARY SCHOOL.

Alice S. Tyler	\$ 25.00	
Margaret Budington	60.00	
Annie C. Moore	90.00	
Harriet A. Wood	100.00	
Esther Crawford	225.00	
Apparatus and supplies		21.75
Apparatus and supplies		8.02
Total	\$3,995.00	\$29.77

ALUMNI BOOK ACCOUNT.

Books, S. E. Stechert	\$ 2.05
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GENERAL EXPENDITURES—1902-1903.

Engineer and firemen	\$ 3,658.24
The engineer is paid \$75.00 per month, and firemen from \$40.00 to \$50.00 per month.	
Supplies, power house	459.82
Repairs to machinery	451.01
Repairs purchased, and labor on power and heating plants.	
Janitors	6,984.20
The head janitor is paid \$60.00 per month; janitors in charge of buildings, from \$20.00 to \$40.00 per month; scrub- women, from \$12.00 to \$18.00 per month, and 15 cents	

per hour for extra time. Pay-roll includes from thirty to forty persons, many of them paid on part time.	
Opera house rent	178.00
Four times @ \$30.00 per night; one time @ \$20.00 per day; and armory one night and afternoon @ \$38.00.	
Gas	1,979.69
Furnished to light all university buildings.	
Fuel	10,433.66
Contracts for coal for season of 1902-1903 were let to E. E. Pinney Coal Company, Cedar Rapids, Iowa, at follow- ing prices, f. o. b., Iowa City, Iowa: What Cheer mine run @ \$2.34 per ton, What Cheer lump @ 2.54 per ton, Fancy steam @ 1.68 per ton; and H. W. Lynch, Peoria, Illinois, at following prices, f. o. b., Iowa City, Iowa: Cuban lump @ \$2.62 per ton, Cuba mine run @ 2.42 per ton. Hauling costs 18 cents per ton. Total consumption about 4,000 tons.	
Water rent	1,600.00
For all water used in all university buildings, the cost is \$400.00 per quarter.	
Young Men's Christian Association rent	375.61
The university rents the main auditorium and several small rooms in this building for the literary societies, and pays \$50.00 per month for the use of same, less the fuel and gas.	
President's traveling expenses	433.99
Commencement expenses	1,357.96
General lecturers	119.23
This sum is expended for lectures by prominent educators and specialists.	
General expenses and sundry supplies	3,137.38
This sum was expended for items for which no special ap- propriation was made.	
Publications	672.13
This sum was expended in publishing the "National Science Bulletin" "The Political Ideas of Modern Japan," etc.	
Printing and paper	993.56
Used as stationery by the faculty, and for publications.	

Catalogues, etc.	2,232.30
Cost of printing and mailing catalogues of the different colleges.	
Postage	1,041.32
In all colleges and departments.	
News Letter Bulletin	148.47
A four-page bulletin published monthly in the interests of the university.	
Telegrams and telephones	201.94
Advertising	494.96
Of the different colleges in miscellaneous papers.	
University Hospital	12,987.40
See special account.	
Homeopathic Hospital	5,249.75
See special account.	
Law loan account	185.45
This sum was expended for purchase of law books in the College of Law.	
Outstanding bills	1,222.38
This sum was expended in paying outstanding bills that were unpaid at the beginning of the fiscal year.	
Local Alumni Association	100.00
This sum is expended by the Alumni Association in securing statistics, addresses, etc., of the alumni.	
Hospital clinical equipment.....	700.00
This sum was expended for clinical equipment in the University Hospital.	
Mining and mechanical engineering supplies, and Geo. R. Hayler, salary, since January 1, 1903	423.00
Total	\$57,851.35

RECAPITULATION OF DISBURSEMENTS.

SALARIES.

College of Liberal Arts	\$ 85,386.66	
College of Law	13,135.00	
College of Medicine	21,245.00	
College of Homeopathic Medicine	5,595.00	
College of Dentistry	10,790.00	
College of Pharmacy	4,200.00	
Librarians	3,795.00	
Administration	12,384.74	
Summer session and Library School	3,995.00	\$160,526.40

SUPPLIES.

College of Liberal Arts	\$ 6,567.78	
College of Law	135.00	
College of Medicine	5,217.92	
College of Homeopathic Medicine	127.07	
College of Dentistry	5,172.77	
College of Pharmacy	599.38	
Summer session and Library School	111.26	
Graduate College	115.70	
Library, books and supplies	3,624.74	
Administration	2,124.84	
Alumni book account	2.05	
General expenditures	57,851.35	\$1,649.86
Grand total salaries, apparatus and supplies for 1902-1903		\$242,176.35

UNIVERSITY HOSPITAL ACCOUNT—1902-1903.

RECEIPTS.

Credit balance July 1, 1902	\$ 499.07
Executive committee of Board Appropriation	300.00
Hospital earnings for month of July, 1902.....	854.41
Hospital earnings for month of August, 1902.....	753.52
Hospital earnings for month of September, 1902....	989.08
Hospital earnings for month of October, 1902	622.75
Hospital earnings for month of November, 1902....	826.93
Hospital earnings for month of December, 1902....	862.00
Hospital earnings for month of January, 1903.....	830.19
Hospital earnings for month of February, 1903....	1,229.75
Hospital earnings for month of March, 1903.....	829.25
Hospital earnings for month of April, 1903	1,588.17
Hospital earnings for month of May, 1903.....	671.87
Hospital earnings for month of June, 1903.....	696.53
Total	\$11,573.58

DISBURSEMENTS.

Pay-roll July 1902	\$377.66	
Provisions and supplies	463.76	\$ 481.32
Pay-roll August, 1902	352.91	
Provisions and supplies	513.42	866.33
Pay-roll September, 1902	378.56	
Provisions and supplies	469.78	948.34

Pay-roll October, 1902	389.36	
Provisions and supplies	763.56	1,052.92
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Pay-roll November, 1902.....	398.86	
Provisions and supplies	925.98	1,324.84
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Pay-roll December, 1902	399.32	
Provisions and supplies	588.87	988.19
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Pay-roll January, 1903	402.81	
Provisions and supplies	759.59	1,162.40
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Pay-roll February, 1903	431.56	
Provisions and supplies	760.82	1,192.38
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Pay-roll March, 1903	385.94	
Provisions and supplies	734.14	1,120.08
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Pay-roll April, 1903	438.96	
Provisions and supplies	633.72	1,072.68
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Pay-roll May, 1903	445.12	
Provisions and supplies	964.78	1,409.90
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Pay-roll June, 1903	418.51	
Provisions and supplies	589.41	1,007.92
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Total	\$12,987.40	
Amount overdrawn		1,413.82
	\$12,987.40	\$12,987.40

HOMEOPATHIC HOSPITAL ACCOUNT—1902-1903.

CREDIT BALANCE, JULY 1, 1902.

Credit balance, July, 1902	\$2,209.00
Hospital earnings for month of July, 1902, and	
Hospital earnings for month of August, 1902...	281.00
Hospital earnings for month of September, 1902	98.17
Hospital earnings for month of October, 1902..	506.44
Hospital earnings for month of November, 1902	288.78
Hospital earnings for month of December, 1902	210.37
Hospital earnings for month of January, 1903..	269.49
Hospital earnings for month of February, 1903	204.75
Hospital earnings for month of March, 1903...	258.95
Hospital earnings for month of April, 1903....	515.15
Hospital earnings for month of May, 1903.....	372.50
Hospital earnings for month of June, 1903.....	330.60
<hr/>	
Total	\$5,544.51

DISBURSEMENTS.

Pay-roll July, 1902	\$127.00	
Provisions and supplies	137.75	\$264.75
<hr/>		
Pay-roll August, 1902	135.50	
Provisions and supplies	160.27	295.77
<hr/>		
Pay-roll September, 1902	135.35	
Provisions and supplies	128.26	263.61
<hr/>		
Pay-roll October, 1902	163.45	
Provisions and supplies	465.11	628.56
<hr/>		
Pay-roll November, 1902	173.25	
Provisions and supplies	231.68	404.93
<hr/>		
Pay-roll December, 1902	203.50	
Provisions and supplies	242.18	445.68
<hr/>		
Pay-roll January, 1903	193.30	
Provisions and supplies	275.64	468.94
<hr/>		
Pay-roll February, 1903	227.55	
Provisions and supplies	370.24	597.79
<hr/>		
Pay-roll March, 1903	199.20	
Provisions and supplies	264.38	463.58
<hr/>		
Pay-roll April, 1903	195.00	
Provisions and supplies	259.59	454.59
<hr/>		
Pay-roll May, 1903	217.00	
Provisions and supplies	295.39	512.39
<hr/>		
Pay-roll June, 1903	193.00	
Provisions and supplies	266.16	449.16
<hr/>		
Total	\$5,249.75	
Cash on hand, July 1, 1903.....		294.76
	\$5,544.51	\$5,544.51

LAW LOAN BOOK ACCOUNT, 1902-1903.

Credit balance, July 1, 1902	\$ 113.90
Collections, October, 1902	337.30
Collections, January, 1903	5.00
Collections, March, 1903	56.35
Collections, June, 1903	7.00
<hr/>	
Total	\$ 519.45

DISBURSEMENTS.

F. H. Flood, books	\$ 185.45	
Cash on hand, July 1, 1903	334.00	
		<hr/>
	\$ 519.45	\$ 519.45

ALUMNI BOOK ACCOUNT, 1902-1903.

Credit balance, July 1, 1902	\$ 32.50
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DISBURSEMENTS.

Paid G. E. Stechert, book	\$ 2.05	
Cash on hand, July 1, 1903	30.45	
		<hr/>
	\$ 32.50	\$ 32.50

ONE-TENTH OF A MILL BUILDING TAX FUND, 1902-1903.

This money was expended in completing the College of Liberal Arts building, and the power house and heating plant.

RECEIPTS.

Transferred from 1-5 mill building fund	\$ 19,905.08
---	--------------

DISBURSEMENTS.

Overdraft, July 1, 1902	\$52,009.58	
9-23-02 Peoria Stone & Marble Works Co	3,588.85	
C. Hurley, plumbing	250.65	
Proudfoot & Bird, architects	569.00	
G. H. Ellsworth, salary July and August, 1902	300.00	
9-23-02 G. H. Ellsworth, salary September, 1902	150.00	
10-24-02 G. H. Ellsworth, salary October, 1902	150.00	
11-19-02 G. H. Ellsworth, salary November, 1902	150.00	
12-19-02 G. H. Ellsworth, salary December, 1902	150.00	
7-23-02 Material and labor	199.74	
7-23-02 Material and labor	78.82	
8-22-02 Crane & Co., material	932.20	
8-22-02 Material and labor	315.30	
9-23-02 Material and labor	138.92	
10-24-02 Material and labor	170.26	
11-19-02 Johns-Marville Co., material	358.14	
Material and labor	7.72	
Overdraft, July 1, 1903		39,614.10
	<hr/>	<hr/>
	\$59,519.18	\$59,519.18

BUILDING TAX FUND, ONE-FIFTH MILL, 1902-1903.

RECEIPTS.

4-28-02 By state warrant	\$ 25,000.00
5-22-02 By state warrant	25,000.00
6-22-02 By state warrant	13,000.00
	<hr/>
Total	63,000.00

DISBURSEMENTS.

5-22-03 Transferred to medical building fund	\$25,000.00	
6-18-03 Paid interest, Lovell Swisher, treasurer, on interest bearing warrants	1,766.34	
6-30-03 Transferred to building tax to apply on balance College of Liberal Arts	19,905.08	
Cash on hand July 1, 1903	16,328.58	
		<hr/>
	\$63,000.00	\$63,000.00

REPAIR AND CONTINGENT FUND, 1902-1903.

RECEIPTS.

7-22-02 By state warrant	\$ 2,000.00
8-22-02 By state warrant	3,000.00
	<hr/>
	5,000.00

DISBURSEMENTS.

2-18-03 Repairing morphology room	\$ 14.29	
9-23-02 Repairing attic in University hospital	29.43	
10-19-02 Repair and equipping otology room	497.99	
9-23-02 Repairing dental lavatories	539.32	
9-23-02 Repairing pharmacy rooms	100.35	
9-23-02 Repairing women's toilet room, chemical building	111.43	
9-23-02 Repairing hospital amphitheater	123.50	
7-23-02 Repairing for July	37.03	
8-22-02 Repairing for August	260.94	
9-23-02 Repairing for September	913.57	
10-24-02 Repairing for October	428.47	
11-19-02 Repairing for November	233.72	
12-19-02 Repairing for December	265.37	
1-23-03 Repairing for January	516.00	
2-18-03 Repairing for February	84.34	
3-19-03 Repairing for March	90.96	
4-10-03 Repairing for April	78.37	
5-23-03 Repairing for May	298.91	
6-18-03 Repairing for June	235.22	
		<hr/>
	\$ 4,859.21	
Cash on hand, July 1, 1903	140.79	
	<hr/>	<hr/>
	\$5,000.00	\$5,000.00

LIBRARY TAX FUND, 1902-1903.

RECEIPTS.

Credit balance, July 1, 1902	\$ 268.45
1-23-03 By state warrants	3,000.00
5-22-03 By state warrants	2,900.00
Total	6,168.45

DISBURSEMENTS.

10-24-02 H. Ries, binding books	\$ 235.45
Various persons, books	30.17
1-23-03 G. E. Stechert, books	1,167.58
A. C. McClurg & Co., books	336.60
Henry Ries, binding books	295.90
The Kenyon News and Postal Subscription Co., books	412.60
Paid various persons for books, etc	253.96
Paid various persons for books, etc	116.51
Paid various persons for books, etc	172.79
Paid various persons for books, etc	77.15
Henry Ries, binding	148.75
G. E. Stechert, books	617.07
Paid various persons for books, etc	126.62
Paid G. E. Stechert, books	406.01
Paid various persons for books, etc	161.99
Cash on hand, July 1, 1903	1,609.30
	<hr/>
	\$6,168.45
	\$6,168.45

MEDICAL BUILDING FUND, 1902-1903.

RECEIPTS.

8-22-02 By state warrants	\$10,000.00
11-22-02 By state warrants	10,000.00
12-23-02 By state warrants	8,750.00
3-10-03 By state warrants	10,000.00
6-30-03 By state warrants	11,250.00
6-30-03 Transferred from building tax 1-5 of mill	25,000.00
	<hr/>
	\$75,000.00

DISBURSEMENTS.

8-22-02 Paid various persons	\$ 44.43
9-23-02 Jas. Rowson & Son, contractors	2,848.95
Paid various persons	84.38
10- 3-02 Proudfoot & Bird, architects	2,000.00

10-24-02 Jas. Rowson & Son, contractors	1,396.21
Paid miscellaneous expenses	1.50
11-19-02 Jas. Rowson & Son, contractors	6,774.75
12-19-03 Jas. Rowson & Co., contractors	2,812.05
Proudfoot & Bird, architects	1,000.00
Maher & Kurz, plumbers	180.00
Miscellaneous expenses	6.75
1-23-03 G. H. Ellsworth, superintendent maintenance and buildings	150.00
J. S. Rowson & Son, contractors	4,266.22
2-18-03 Jas. Rowson & Son, contractors	4,843.91
G. H. Ellsworth, superintendent maintenance and buildings	150.00
3-19-03 G. H. Ellsworth, superintendent maintenance and buildings	150.00
Proudfoot & Bird, architects	400.00
Jas. Rowson & Son, contractors	4,881.93
4-10-03 Jas. Rowson & Son, contractors	6,129.54
G. H. Ellsworth, superintendent maintenance and buildings	150.00
Miscellaneous expenses	48.56
5-22-03 Johnson Temperature Co., supplies	252.48
G. H. Ellsworth, superintendent maintenance and buildings	150.00
Jas. Rowson & Son, contractors	15,439.63
Miscellaneous expenses	105.18
6-18-03 Jas. Rowson & Son, contractors	3,812.27
G. H. Ellsworth, superintendent maintenance and buildings	150.00
Miscellaneous expenses75
Cash on hand	16,770.51
	<hr/>
	\$75,000.00
	\$75,000.00

SPECIAL LAND FUND, 1902-1903.

RECEIPTS.

Credit balance, July 1, 1902	\$ 497.50
7-22-02 Sold old material	284.25
9-23-02 Sold old material	123.51
10-24-02 Sold old material	49.60
6-30-03 Sold old material	457.36
Rents collected	488.60
	<hr/>
	\$ 1,900.82

DISBURSEMENTS.

6-30-03 Paid various persons for work on buildings and land purchased	\$ 200.42
Cash on hand, July 1, 1903	1,700.40
	<hr/>
	\$1,900.82
	\$1,900.82

DONATED LAND FUND, 1902-1903.

RECEIPTS.

Credit balance July 1, 1902	\$	481.31
6-30-03 Sold E. 1/2 NW 1/4 25-100-25 Winnebago county, Iowa, net		915.35
First mortgage transferred to permanent fund		1,500.00
Rents		36.00
Interest		3.47
	\$	<u>2,936.13</u>

DISBURSEMENTS.

6-30-00 Land, power plant, lot 4, block 91, Iowa City, Iowa	\$	900.00
7-24-01 Land, price additional to athletic park, lots 5-6, block 97, Iowa City, Iowa ...	1,200.00	
Expenses on above	11.20	
6-17-02 Expenses, trip of treasurer to Forest City, Iowa	22.82	
Cash on hand	802.11	
	\$2,936.13	<u>\$2,936.13</u>

A. WHITNEY CARR FREE SCHOLARSHIP FUND, 1902-1903.

Credit balance, July 1, 1902	\$	29.02
6-30-03 Interest on principal		2,389.17
Total	\$	<u>2,409.19</u>

DISBURSEMENTS.

8-25-02 A. Whitney Carr, semi-annual annuity ...	\$	750.00
12-19-02 A. Whitney Carr, semi-annual annuity ...	750.00	
6-30-03 A. Whitney Carr, semi-annual annuity ...	750.00	
Lou C. Landers, scholarship	25.00	
Agnes Mae Crane, scholarship	12.50	
Nellie B. Sebern, scholarship	12.50	
C. A. Bartholow, scholarship	25.00	
Julie Padmore, scholarship	25.00	
V. T. Neander, scholarship	25.00	
E. H. Haskins, scholarship	12.50	
H. E. Young, scholarship	12.50	
Cash on hand	9.19	
	\$2,409.19	<u>\$2,409.19</u>

A. WHITNEY CARR FREE SCHOLARSHIP FUND, 1902-1903.

Cash on hand, July 1, 1902	\$	50,000.00
Loaned to treasurer for investment	\$	50,000.00
	\$50,000.00	<u>50,000.00</u>

NOTE.—On this fund Mr. Carr is paid 3 per cent annually, and the balance of interest goes into the A. Whitney Carr Free Scholarship Income Fund.

FRANK O. LOWDEN PRIZE ORATORY FUND, 1902-1903.

By twenty-five shares 7 per cent preferred stock National Biscuit Co	\$2,500.00
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FRANK O. LOWDEN PRIZE ORATORY INCOME FUND, 1902-1903.

RECEIPTS.

Credit balance	\$	68.75
10-4-02 By interest		43.75
11-29-02 By interest		43.75
5-1-03 By interest		43.75
5-22-03 By interest		43.75
		<u>\$243.75</u>

DISBURSEMENTS.

5-22-03 F. J. Milnes, first prize	\$	100.00
Thos. D. Schall, second prize	50.00	
Cash on hand	93.75	
	\$243.75	<u>\$243.75</u>

WILLIAM JENNINGS BRYAN PRIZE FUND, 1902-1903.

4-21-03 By cash	\$	250.00
4-25-03 Loaned to treasurer for investment ...	\$	250.00
	\$250.00	<u>\$250.00</u>

RECAPITULATION OF FUNDS, 1901-1902-1903.

INCOME FUND.

On hand July 1, 1901	\$	27,700.74
Total receipts		468,562.46
Total disbursements	\$494,685.03	
Cash on hand July 1, 1903	1,578.17	
	\$496,263.20	<u>\$496,263.20</u>

REPAIR AND CONTINGENT FUND.

Overdraft July 1, 1901	\$ 807.10	
Total receipts		\$ 9,000.00
Total disbursements	8,052.11	
Cash on hand July 1, 1903	140.79	
	<u>\$9,000.00</u>	<u>\$9,000.00</u>

LIBRARY TAX FUND.

On hand July 1, 1901		\$ 798.62
Total receipts		5,900.00
Total disbursements	5,089.32	
Cash on hand July 1, 1903	1,609.30	
	<u>\$6,698.62</u>	<u>\$6,698.62</u>

SPECIAL LAND FUND.

On hand July 1, 1901		None
Total receipts		\$ 24,403.32
Total disbursements	\$ 22,702.92	
Cash on hand July 1, 1903	1,700.40	
	<u>\$24,403.32</u>	<u>\$24,403.32</u>

ONE-TENTH MILL BUILDING TAX FUND.

Overdraft July 1, 1901	\$ 37,097.94	
Total receipts		\$ 25,275.00
Total disbursements	27,791.16	
Overdraft July 1, 1903		39,614.10
	<u>\$64,889.10</u>	<u>\$64,889.10</u>

ONE-FIFTH MILL BUILDING TAX FUND.

On hand July 1, 1901		None
Total receipts		\$ 63,000.00
Total disbursements	\$ 46,671.42	
Cash on hand July 1, 1903	16,328.58	
	<u>\$63,000.00</u>	<u>\$63,000.00</u>

CONTINGENT FUND.

On hand July 1, 1901		None
Total receipts		\$ 10,762.08
Total disbursements	\$ 10,762.08	
	<u>\$10,762.08</u>	<u>\$10,762.08</u>

A. WHITNEY CARR FREE SCHOLARSHIP FUND.

On hand July 1, 1901		\$ 45,000.94
Total receipts		4,999.06
Total disbursements	None	
Cash on hand July 1, 1903	\$ 50,000.00	
	<u>\$50,000.00</u>	<u>\$50,000.00</u>

FRANK O. LOWDEN PRIZE ORATORY FUND.

On hand July 1, 1901		
Total receipts		\$ 2,500.00
Total disbursements	None	
Cash on hand July 1, 1903	\$ 2,500.00	
	<u>\$2,500.00</u>	<u>\$2,500.00</u>

A. WHITNEY CARR FREE SCHOLARSHIP INCOME FUND.

On hand July 1, 1901		None
Total receipts		\$ 4,239.19
Total disbursements	4,230.00	
Cash on hand July 1, 1903	9.19	
	<u>\$4,239.19</u>	<u>\$4,239.19</u>

FRANK O. LOWDEN PRIZE ORATORY INCOME FUND.

On hand July 1, 1901		None
Total receipts		\$ 393.75
Total disbursements	\$ 300.00	
Cash on hand	93.75	
	<u>\$393.75</u>	<u>\$393.75</u>

WILLIAM JENNINGS BRYAN PRIZE FUND.

On hand July 1, 1901		None
Total receipts		\$ 250.00
Total disbursements	None	
Cash on hand July 1903	250.00	
	<u>\$250.00</u>	<u>\$250.00</u>

DONATED LAND FUND.

On hand July 1, 1901		\$ 301.31
Total receipts		2,634.82
Total disbursements	2,134.02	
Cash on hand July 1, 1903	802.11	
	<u>\$2,936.13</u>	<u>\$2,936.13</u>

MEDICAL BUILDINGS FUND.

On hand July 1, 1901		None
Total receipts		\$ 75,000.00
Total disbursements	\$ 58,229.49	
Cash on hand July 1, 1903	16,770.51	
	<u>\$75,000.00</u>	<u>\$75,000.00</u>

RECAPITULATION OF FUND BALANCES, JULY 1, 1903.

Income fund	\$1,578.17	
Repair and contingent fund	140.79	
Library tax fund	1,609.30	
Special land fund	1,700.40	
One-tenth mill building tax fund		39,614.10
One-fifth mill building tax fund	16,328.58	
Contingent fund	None	
A. Whitney Carr free scholarship fund	50,000.00	
A. Whitney Carr free scholarship income fund	9.19	
Frank O. Lowden prize oratory fund	2,500.00	
Frank O. Lowden prize oratory income fund	93.75	
William Jennings Bryan prize fund	250.00	
Donated land fund	802.11	
Medical buildings fund	16,770.51	
	\$91,782.80	\$39,614.10
Net cash on hand July 1, 1903		52,168.70
	\$91,782.80	\$91,782.80
Net balance per statement	52,168.70	
Net balance per books	49,668.70	
*Difference	\$ 2,500.00	

*This difference is on account of the Frank O. Lowden Prize Oratory Fund of \$2,500.00 not being entered in the books, except as a memorandum entry.

The above statement, which shows cash on hand of \$52,168.70, includes the A. Whitney Carr Free Scholarship Fund of \$50,000.00, the Frank O. Lowden Prize Oratory Fund of \$2,500.00, and the Wm. J. Bryan Prize Fund of \$250.00, making a total of \$52,550.00 of the amount which cannot be expended for any purpose, and the university can only use the income derived therefrom.

STATE OF IOWA,

JOHNSON COUNTY.

I, Wm. J. McChesney, Secretary of the Board of Regents of The State University of Iowa, being duly sworn, on oath say that the foregoing statement of receipts and expenditures during the period set out is correct and true as I verily believe.

WM. J. MCCHESENEY.

Subscribed to by Wm. J. McChesney and sworn to by him before me on this 14th day of October, 1903.

Witness my hand and notarial seal.

LOUIS W. DUTCHER,

Notary in and for Johnson County.

REPORT OF THE TREASURER

REPORT OF THE TREASURER.

IOWA CITY, Oct. 12, 1903.

To the Honorable Board of Regents of the State University of Iowa:

GENTLEMEN,—I herewith submit a statement of income and disbursements for the biennial period commencing June 30, 1901, and ending June 30, 1903.

I also submit herewith a statement of assets of the State University of Iowa on June 30, 1903.

RECEIPTS AND DISBURSEMENTS FROM JUNE 30, 1901 TO JUNE 30, 1903.

RECEIPTS.

Balance June 30, 1901.		
Income fund	\$ 36,932.13	
Building tax fund	6,525.38	
Library fund	969.41	
Repairs and contingent fund	168.68	
Providential contingent fund	277.28	
Donated lands fund	301.31	
The A. Whitney Carr interest fund	8.33	\$45,182.52

State Appropriations.

Support fund	\$125,500.00	
Building tax fund	25,275.00	
Repairs and contingent fund	4,000.00	
Providential contingent fund	10,999.98	
Special land fund	23,000.00	\$188,774.98

Other Receipts.

Interest permanent fund	\$ 12,335.87	
Interest, The A. Whitney Carr free scholarship fund	1,850.69	
Tuitions less refunds by order Board of Regents...	56,952.85	
Hospital fees	14,394.58	
Dental clinic fees	5,428.32	
Graduation fees, law loan book account and miscellaneous	2,287.39	
Rents	95.00	
Rents, donated lands	180.00	
Frank O. Lowden, cash	131.25	
Dividends, The Frank O. Lowden northern oratorical league fund	87.50	\$ 93,743 45

RECEIPTS.

*From June 30, 1902, to June 30, 1903.**State Appropriations.*

Support fund	\$160,500.00	
Building tax fund	63,000.00	
Library tax fund	5,900.00	
Medical building fund	50,000.00	
Repairs and contingent fund	5,000.00	\$284,400.00

Other Receipts.

Interest, permanent fund	\$ 12,028.23	
Interest, The A. Whitney Carr free scholarship fund	2,380.17	
Interest, donated lands	3.47	
Tuitions less refunds by order Board of Regents...	57,215.76	
Hospital fees	14,110.02	
Dental clinic fees	5,205.35	
Graduation fees, law loan book account and miscellaneous	2,232.17	
Rents	274.09	
Rents, donated lands	36.00	
Rents properties purchased by special state appropriations	488.60	
Sales of old material, etc.	457.36	
Sale of donated lands	2,415.35	
Dividends, The Frank O. Lowden northern oratorical league prize fund	175.00	\$97,021.57
Medical building fund transferred from building tax fund by order of Board of Regents		\$25,000.00

DISBURSEMENTS.

Warrants paid for year ending June 30, 1902.

Income fund	\$249,950.02	
Building tax fund	28,053.23	
Library fund	371.40	
Repairs and contingent fund	3,562.22	
Providential contingent fund	10,828.58	
Special land fund	22,500.00	
The A. Whitney Carr free scholarship interest fund	1,830.00	
The Frank O. Lowden Northern Oratorical League prize fund	150.00	\$317,245.45

For year ending June 30, 1903.

Income fund	\$250,660.95	
Building tax fund	25,792.17	
Library fund	1,589.15	
Medical building fund	58,076.64	
Repairs and contingent fund	4,778.19	
Providential contingent fund	440.43	
Special land fund	187.92	
Donated lands fund	2,134.02	
The A. Whitney Carr free scholarship fund.....	1,650.00	
The Frank O. Lowden Northern Oratorical League prize fund	150.00	\$345,459.17

Building tax fund transferred to medical building fund by order Board of Regents	\$25,000.00
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Balances June 30, 1903.

Income fund	\$ 4,880.79	
Building tax fund	15,954.98	
Medical building fund	16,923.36	
Repairs and contingent fund	828.27	
Special land fund	1,258.04	
Donated lands fund	802.11	
Providential contingent fund	8.25	
Library fund	4,908.86	
The A. Whitney Carr free scholarship fund	759.19	
The Frank O. Lowden Northern Oratorical League prize fund	93.75	\$46,417.60

\$734,122.52	\$734,122.52
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Assets June 30, 1903—Permanent Fund.

Cash on hand	\$ 1,400.36
Mortgage notes	233,720.00
Total working capital, June 30, 1903	\$235,120.36

STUDENT REVOLVING LOAN FUND.

RECEIPTS.

For year ending June 30, 1902.

Balance June 30, 1901	\$ 181.82
George E. MacLean, president	102.00
Loans paid	208.00

For year ending June 30, 1903.

George E. MacLean, president	\$ 130.00
Loans paid	516.00

DISBURSEMENTS.

Paid checks issued by George E. MacLean, President.

For year ending June 30, 1902	\$410.00
For year ending June 30, 1903	799.50
Balance, June 30, 190332
	<hr/>
	\$1,209.82 \$1,209.82

THE A. WHITNEY CARR FREE SCHOLARSHIP FUND.

Cash on hand	\$ 300.00
Mortgage notes	49,700.00
Total working capital	\$ 50,000.00

THE FRANK O. LOWDEN NORTHERN ORATORICAL LEAGUE
PRIZE FUND.

Preferred stock National Biscuit Co., 25 shares.....	\$2,500.00
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THE WILLIAM J. BRYAN PRIZE FUND.

Cash on hand	\$ 250.00
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DONATED LANDS FUND.

Mortgage	\$ 500.00
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The books of this office show the number of acres of land unsold, June 30, 1903, to be 2,738.03.

Respectfully submitted,

LOVELL SWISHER,
Treasurer.

REPORT OF REGISTRAR

REPORT OF REGISTRAR.

IOWA CITY, June 9, 1903.

To the President and the Board of Regents:

I have the honor to submit to you the following report for the biennium, ending July 1, 1903.

SUMMARY OF REGISTRATION OF STUDENTS—1901-1902.

THE COLLEGE OF LIBERAL ARTS.

Fourth Year.

	MEN.	WOMEN.	TOTAL.
Classical	19	10	29
Philosophical A	3	18	21
Philosophical B	25	15	40
Scientific	14	2	16
Scientific and Medical	2	0	2
Civil Engineering	4	0	4
Total	67	45	112

Third Year.

	MEN.	WOMEN.	TOTAL.
Classical	10	14	24
Philosophical A	5	10	15
Philosophical B	13	10	23
Scientific	7	4	11
Scientific and Medical	3	0	3
Civil Engineering	11	0	11
Electrical Engineering	1	0	1
Mining Engineering	2	0	2
Total	52	38	90

Second Year.

	MEN.	WOMEN.	TOTAL
Classical	7	4	11
Philosophical A.	5	14	19
Philosophical B.	25	24	49
Scientific	17	7	24
Scientific and Medical	3	1	4
Scientific and Homeopathic Medical	2	0	2
Civil Engineering	7	0	7
Electrical Engineering	2	0	2
Mining Engineering	2	0	2
Total	70	50	120

First Year.

	MEN.	WOMEN.	TOTAL
Classical	19	15	34
Philosophical A.	12	21	33
Philosophical B.	52	32	84
Scientific	24	8	32
Scientific and Medical	3	1	4
Civil Engineering	21	0	21
Electrical Engineering	4	0	4
Total	135	77	212

Total in four college classes

	MEN.	WOMEN.	TOTAL
Unclassified students	25	44	69
Projected registration	4	0	4
Professional students taking elective work	61	4	65
Summer session—1901	50	85	135
Total	140	133	273

	MEN.	WOMEN.	TOTAL
Unclassified students	25	44	69
Projected registration	4	0	4
Professional students taking elective work	61	4	65
Summer session—1901	50	85	135
Total	140	133	273
Total in College of Liberal Arts	464	343	807

THE GRADUATE COLLEGE.

	MEN.	WOMEN.	TOTAL
Candidates for the degree of Ph. D.	14	2	16
Candidates for the degree of M. A.	44	17	61
Candidates for the degree of M. S.	25	4	29
Candidates for the degree of C. E.	2	0	2
Candidates for the degree of M. E.	1	0	1
Students not candidates for degree	1	20	21
Total	87	43	130

THE COLLEGE OF LAW.

	MEN.	WOMEN.	TOTAL
Third year	10	0	10
Second year	85	0	85
First year	98	0	98
Unclassified	1	0	1
Combined course	10	0	10
Students in College of Liberal Arts taking elective work	11	0	11
Total	215	0	215

THE COLLEGE OF MEDICINE.

	MEN.	WOMEN.	TOTAL
Fourth year	40	1	41
Third year	44	2	46
Second year	72	4	76
First year	79	5	84
Unclassified	3	3	6
Combined course	10	2	12
Nurses' Training School	0	15	15
Total	248	32	280

THE COLLEGE OF HOMEOPATHIC MEDICINE.

	MEN.	WOMEN.	TOTAL
Fourth year	7	0	7
Third year	11	1	12
Second year	13	0	13
First year	8	0	8
Combined course	2	0	2
Nurses' Training School	0	5	5
Total	41	6	47

THE COLLEGE OF DENTISTRY.

	MEN.	WOMEN.	TOTAL
Practitioners' course	1	0	1
Third year	37	5	42
Second year	44	0	44
First year	69	3	72
Total	151	8	159

THE COLLEGE OF PHARMACY.

	MEN.	WOMEN.	TOTAL.
Second year	22	0	22
First year	35	1	36
Total	57	1	58
	MEN.	WOMEN.	TOTAL.
Grand total including duplicates	1263	433	1696
Duplicates	146	38	184
Total excluding duplicates	1117	395	1512

1902-1903.

The Summer Session—1902.

	MEN.	WOMEN.	TOTAL.
The College of Liberal Arts	70	38	108
The Graduate College	19	24	43
The Library Training School	2	37	39
Total	91	99	190

THE COLLEGE OF LIBERAL ARTS.

Fourth Year.

	MEN.	WOMEN.	TOTAL.
Classical	9	14	23
Philosophical A.	6	10	16
Philosophical B.	19	14	33
Philosophical	4	1	5
Scientific	11	4	15
Civil Engineering	9	0	9
Electrical Engineering	2	0	2
Total	60	43	103

Third Year.

	MEN.	WOMEN.	TOTAL.
Classical	5	7	12
Philosophical A.	3	7	10
Philosophical B.	14	7	21
Philosophical	3	7	10
Scientific	16	5	21
Civil Engineering	11	0	11
Electrical Engineering	1	0	1
Total	53	33	86

Second Year.

	MEN.	WOMEN.	TOTAL.
Classical	18	11	29
Philosophical A.	8	12	20
Philosophical B.	21	14	35
Philosophical	1	12	13
Scientific	12	4	16
Civil Engineering	17	0	17
Electrical Engineering	2	0	2
Total	79	53	132

First Year.

	MEN.	WOMEN.	TOTAL.
Classical	4	9	13
Philosophical A.	1	0	1
Philosophical B.	5	10	15
Philosophical	46	52	98
Scientific	24	7	31
Civil Engineering	16	0	16
Electrical Engineering	8	0	8
Mining Engineering	2	0	2
Total	106	78	184

	MEN.	WOMEN.	TOTAL.
Total in four college classes	298	207	505
Unclassified students	27	38	65
Professional students taking elective work	62	1	63
Total	89	39	128

THE GRADUATE COLLEGE.

	MEN.	WOMEN.	TOTAL.
Candidates for the degree of Ph. D.	13	2	15
Candidates for the degree of M. A.	35	26	61
Candidates for the degree of M. S.	21	4	25
Students not candidates for degrees	9	11	20
Total	78	43	121

THE COLLEGE OF LAW.

	MEN.	WOMEN.	TOTAL.
Third year	72	1	73
Second year	57	0	57
First year	72	0	72
Unclassified	1	0	1
Combined course	7	0	7
Students in the College of Liberal Arts taking elective work	3	0	3
Total	212	1	213

THE COLLEGE OF MEDICINE.

	MEN.	WOMEN.	TOTAL.
Fourth year	32	3	35
Third year	50	5	55
Second year	74	5	79
First year	58	2	60
Unclassified	11	1	12
Combined course	10	2	12
Nurses' Training School	0	13	13
Total	233	31	264

THE COLLEGE OF HOMEOPATHIC MEDICINE.

	MEN.	WOMEN.	TOTAL.
Fourth year	10	1	11
Third year	9	0	9
Second year	7	0	7
First year	4	0	4
Unclassified	2	0	2
Combined course	2	0	2
Nurses' Training School	0	6	6
Total	34	7	41

THE COLLEGE OF DENTISTRY.

	MEN.	WOMEN.	TOTAL.
Third year	39	1	40
Second year	55	1	56
First year	51	0	51
Unclassified	2	0	2
Practitioners' course	1	0	1
Dental assistants' course	1	0	1
Combined course	1	0	1
Total	150	2	152

THE COLLEGE OF PHARMACY.

	MEN.	WOMEN.	TOTAL.
Second year	14	1	15
First year	17	2	19
Unclassified	0	1	1
Total	31	4	35

	MEN.	WOMEN.	TOTAL.
Grand total including duplicates	1216	433	1649
Duplicates	172	35	207
Total excluding duplicates	1044	398	1442

DEGREES CONFERRED.

1901-1902.

	MEN.	WOMEN.	TOTAL.
Masters of Arts	5	2	7
Master of Science	11	0	11
Bachelor of Arts	20	9	29
Bachelor of Philosophy	25	31	56
Bachelor of Science	19	2	21
Bachelor of Science in Civil Engineering	4	0	4
Bachelor of Didactics	0	1	1
Bachelor of Laws	9	0	9
Doctor of Medicine	47	1	48
Doctor of Dental Surgery	28	4	32
Graduate in Pharmacy	21	0	21
Total	189	50	239

1902-1903.

	MEN.	WOMEN.	TOTAL.
Doctor of Philosophy	1	1	2
Master of Arts	8	6	14
Master of Science	4	0	4
Bachelor of Science in Electrical Engineering	2	0	2
Bachelor of Arts	10	12	22
Bachelor of Philosophy	30	26	56
Bachelor of Science	11	4	15
Bachelor of Science in Civil Engineering	8	0	8
Bachelor of Laws	68	1	69
Doctor of Medicine	42	4	46
Doctor of Dental Surgery	38	1	39
Graduate in Pharmacy	13	1	14
Total	235	56	291

RESIDENCE.

California	3
Canada	2
Colorado	2
District of Columbia	2
Florida	1
Illinois	55
Indiana	1
Iowa	1,895
Japan	1
Kansas	5
Massachusetts	2
Minnesota	10
Missouri	5
Nebraska	18
New Jersey	1
New York	5
North Dakota	5
Ohio	3
Oregon	4
Pennsylvania	4
South Dakota	15
Texas	1
Virginia	1
Washington	4
West Virginia	1
Wisconsin	5
Wyoming	1
Total	2,052

COUNTIES IN IOWA.

Adair	13	Franklin	7	Montgomery	16
Adams	2	Fremont	6	Muscatine	51
Allamakee	13	Greene	11	O'Brien	13
Appanoose	7	Grundy	24	Osceola	2
Audubon	6	Guthrie	14	Page	4
Benton	25	Hamilton	9	Palo Alto	17
Black Hawk	48	Hancock	10	Plymouth	12
Boone	3	Hardin	25	Pocahontas	11
Bremer	9	Harrison	18	Polk	51
Buchanan	21	Henry	21	Pottawattamie	31
Buena Vista	9	Howard	12	Poweshiek	11
Butler	21	Humboldt	11	Ringgold	7
Calhoun	20	Ida	14	Sac	6
Carroll	12	Iowa	22	Scott	41
Cass	23	Jackson	15	Shelby	35
Cedar	35	Jasper	13	Sioux	21
Cerro Gordo	11	Jefferson	13	Story	18
Cherokee	8	Johnson	379	Tama	27
Chickasaw	13	Jones	18	Taylor	7
Clarke	4	Keokuk	15	Union	5
Clay	4	Kossuth	8	Van Buren	13
Clayton	18	Lee	10	Wapello	15
Clinton	18	Linn	50	Warren	9
Crawford	15	Lucas	4	Washington	25
Dallas	24	Louisa	17	Wayne	16
Davis	5	Lyon	12	Webster	31
Decatur	15	Madison	11	Winnebago	4
Dejaware	12	Mahaska	13	Winneshiek	3
Des Moines	48	Marion	10	Woodbury	30
Dickinson	3	Marshall	21	Worth	7
Dubuque	5	Mills	6	Wright	2
Emmett	10	Mitchell	9		
Fayette	16	Monona	8		
Floyd	14	Monroe	7		

PLACE OF BIRTH.

Arkansas	2	Missouri	24
California	1	Nebraska	18
Canada	6	Netherlands	2
Colorado	1	Nevada	1
Connecticut	4	New Hampshire	1
Delaware	1	New Jersey	4
Denmark	3	New York	20
District of Columbia	2	North Dakota	3
England	9	Ohio	34
Georgia	1	Oregon	3
Germany	9	Palestine	1
Holland	1	Pennsylvania	25
Illinois	133	Russia	1
Indiana	14	Scotland	1
Iowa	1,594	Siberia	1
Ireland	1	Sicily	1
Japan	3	South Dakota	10
Kansas	17	Sweden	5
Kentucky	1	Vermont	2
Louisiana	1	Virginia	2
Maine	4	Wales	1
Maryland	3	Washington	2
Massachusetts	4	Wisconsin	38
Michigan	10	Statistics not given	3
Minnesota	22		

AGES.

Sixteen	10	Thirty-six	14
Seventeen	22	Thirty-seven	9
Eighteen	97	Thirty-eight	7
Nineteen	181	Thirty-nine	2
Twenty	197	Forty	5
Twenty-one	238	Forty-one	4
Twenty-two	240	Forty-two	4
Twenty-three	206	Forty-three	4
Twenty-four	179	Forty-four	3
Twenty-five	143	Forty-five	1
Twenty-six	116	Forty-six	1
Twenty-seven	82	Forty-seven	4
Twenty-eight	68	Forty-eight	3
Twenty-nine	38	Forty-nine	1
Thirty	51	Fifty	1
Thirty-one	31	Fifty-one	2
Thirty-two	24	Fifty-two	1
Thirty-three	26	Fifty-three	1
Thirty-four	22	Fifty-four	1
Thirty-five	7	Fifty-five	1
		Fifty-six	1
		Fifty-seven	1
		Fifty-eight	1
		Fifty-nine	1
		Sixty	1
		Sixty-one	1
		Sixty-two	1
		Sixty-three	1
		Sixty-four	1
		Sixty-five	1
		Sixty-six	1
		Sixty-seven	1
		Sixty-eight	1
		Sixty-nine	1
		Seventy	1
		Seventy-one	1
		Seventy-two	1
		Seventy-three	1
		Seventy-four	1
		Seventy-five	1
		Seventy-six	1
		Seventy-seven	1
		Seventy-eight	1
		Seventy-nine	1
		Eighty	1
		Eighty-one	1
		Eighty-two	1
		Eighty-three	1
		Eighty-four	1
		Eighty-five	1
		Eighty-six	1
		Eighty-seven	1
		Eighty-eight	1
		Eighty-nine	1
		Ninety	1
		Ninety-one	1
		Ninety-two	1
		Ninety-three	1
		Ninety-four	1
		Ninety-five	1
		Ninety-six	1
		Ninety-seven	1
		Ninety-eight	1
		Ninety-nine	1
		One hundred	1
		Statistics not given	4
		Average age	24

OCCUPATIONS OF PARENTS.

Abstracters	2	Gardeners	4	Painters	6
Accountants	15	Government employes	12	Photographers	3
Actor	1	Grain dealers	17	Physicians	105
Architects	3	Grocers	18	Pilots	1
Army officer	1	Guides	1	Plumbers	4
Auctioneer	1	Hardware dealers	15	Postmasters	1
Bakers	3	Harness makers	8	Poultrymen	1
Bankers	47	Hotel proprietors	3	Printers	4
Barber	1	Implement dealers	4	Professors	17
Blacksmiths	6	Insurance men	18	Railroad employes	39
Bookbinders	2	Janitors	3	Real estate men	53
Brewers	2	Jewelers	6	Restaurant keepers	2
Brickmakers	1	Journalists	11	Saddlers	2
Brokers	5	Judges	3	Secretary Sunday School Ass'n	1
Butchers	2	Laborers	13	Sec'y Y. M. C. A.	1
Capitalists	6	Landlords	3	Shoemakers	2
Carpenters	29	Lawyers	99	Stockdealers	49
Cashiers	12	Liverymen	7	Shipping clerks	1
City, county and state officers	28	Lumber dealers	15	Surveyors	4
Clerks and salesmen	8	Managers of business concerns	9	Supt. of schools	7
Clothiers	4	Manufacturers	24	Tailors	9
Coal dealers	5	Marble workers	1	Teachers	17
Commercial travelers	39	Masons	9	Teamsters	1
Contractors	23	Mechanics	21	Telephone operators	1
Creamery men	5	Merchants	171	Undertakers	2
Dentists	11	Millers	14	U. S. consul	1
Draughtsmen	1	Miners	3	U. S. senator	1
Druggists	29	Ministers	53	Veterinary surgeons	3
Editors	7	Musicians	2	Wagon makers	1
Engineers	11	Naval officers	1	Statistics not given	73
Expressmen	2	Nurserymen	2		
Farmers	757				

PREPARATIONS.

Colleges and Universities in Iowa—	Grade and District Schools—
Graduates117	In Iowa 12
Not graduates199	In other states 1
Colleges and Universities in other States—	Normals in Iowa—
Graduates 41	Graduates 32
Not graduates 68	Not graduates 17
Accredited Schools—	Normals in other States—
Graduates894	Graduates 13
Not graduates171	Not graduates 13
Other Schools and Academies in Iowa—	Business colleges 13
Graduates261	Institutes 3
Not graduates 67	Military schools 4
Other Schools and Academies in other States—	Private instruction 4
Graduates 47	Professional schools 5
Not graduates 34	Seminaries 7
	Foreign schools 8
	Statistics not given 21

RELIGIOUS STATISTICS.

COLLEGES.	Church members	Church preference	No church preference	Statistics not given	Total
<i>Men—</i>					
Liberal Arts	275	192	42	5	514
Graduate	74	21	4	6	105
Law	117	85	25	2	229
Medicine	186	99	19	2	306
Hom. Medicine	25	17	4	0	46
Dentistry	101	92	7	1	201
Pharmacy	27	43	4	0	74
	805	549	105	16	1475
<i>Women—</i>					
Liberal Arts	320	123	11	7	461
Graduate	47	8	0	0	55
Law	0	1	0	0	1
Medicine	16	3	0	0	19
Hom. Medicine	1	1	0	0	2
Dentistry	8	0	0	0	8
Pharmacy	3	0	0	0	3
Nurses' Training School	22	6	0	0	28
	417	142	11	7	577
	805	549	105	16	1,475
Total	1,222	691	116	23	2,052

RELIGIOUS DENOMINATIONS.

DENOMINATIONS.	Church members	Church preference	Total
Baptist	86	45	131
Baptist (Free)	3	0	3
Baptist (German)	1	0	1
Baptist (St. John)	1	0	1
Bethel	1	0	1
Brethren (Plymouth)	2	0	2
Brethren (Progressive)	1	0	1
Brethren (United)	11	4	15
Catholic	140	11	151
Christian	69	33	102
Christian (Reformed)	2	2	4
Christadelphian	1	2	3
Christian Science	3	1	4
Church of God	2	0	2
Congregational	159	142	301
Congregational (Welch)	1	0	1
Dunkard	1	0	1
Episcopal	64	43	107
Episcopal (Reformed)	1	0	1
Evangelical (German)	5	0	5
Evangelical (United)	3	0	3
Friends	8	3	11
Latter Day Saints	8	2	10
Liberal	0	1	1
Lutheran	41	7	48
Lutheran (Danish)	1	0	1
Lutheran (English)	11	4	15
Lutheran (Norwegian)	4	0	4
Lutheran (Swedish)	5	0	5
Mennonite	2	0	2
Methodist Episcopal	324	212	536
Mission (Swedish)	1	0	1
Presbyterian	208	133	341
Presbyterian (Cumberland)	4	0	4
Presbyterian (United)	15	1	16
Reformed	8	10	18
Seventh-Day Adventist	5	2	7
Unitarian	12	25	37
Universalist	4	8	12
	1,218	691	
Any Protestant Church			88
No preference whatever			28
Statistics not given			27
Total			2,052

Very respectfully submitted,

BERTHA QUAINANCE,

Registrar.

TWENTIETH BIENNIAL REPORT

OF THE

Iowa State College of Agriculture
and the Mechanic Arts

MADE TO

THE GOVERNOR OF IOWA

For the Years 1902-1903

PRINTED BY ORDER OF THE GENERAL ASSEMBLY

DES MOINES: C
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