

FIRST BIENNIAL REPORT

of the

IOWA STATE BOARD
OF EDUCATION

to the

GOVERNOR

and the

THIRTY-FOURTH GENERAL ASSEMBLY

FOR THE BIENNIAL PERIOD ENDING
JUNE 30, 1910

DES MOINES:
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1910

IOWA STATE BOARD OF EDUCATION.

JAMES H. TREWIN, President.....Cedar Rapids
D. A. EMERY, Secretary.....Des Moines

MEMBERS OF THE BOARD.

TERM EXPIRES JULY 1, 1911.

A. B. Funk.....Spirit Lake
Geo. T. Baker.....Davenport
Thos. D. Foster.....Ottumwa

TERM EXPIRES JULY 1, 1913.

P. K. Holbrook.....Onawa
Chas. R. Brenton.....Dallas Center
D. D. Murphy.....Elkader

TERM EXPIRES JULY 1, 1915.

James H. Trewin.....Cedar Rapids
Roger Leavitt.....Cedar Falls
Edw. P. Schoentgen.....Council Bluffs

STANDING COMMITTEES.

Faculty Committee—James H. Trewin, A. B. Funk, D. D. Murphy.
Building Committee—P. K. Holbrook, Edw. P. Schoentgen, Geo T. Baker.
Business Committee—Thos. D. Foster, Roger Leavitt, Chas. R. Brenton.

FINANCE COMMITTEE.

W. R. Boyd, President.....Cedar Rapids
Thos. Lambert.....Sabula
D. A. Emery, Secretary.....Des Moines

INSPECTOR OF SECONDARY SCHOOLS.

Forest C. Ensign.....Iowa City

LETTER OF TRANSMITTAL.

DES MOINES, IOWA, SEPTEMBER 30, 1910.

To His Excellency, B. F. Carroll, Governor of Iowa.

Sir: In accordance with Section Nineteen of Chapter One Hundred and Seventy of the Acts of the Thirty-third General Assembly, I herewith transmit to you a report of the observations and conclusions of the Iowa State Board of Education respecting each of the institutions under its control, including also its report to the Legislature. This report contains also the reports of the executive officers of the several institutions under the control of the Board.

Very respectfully,
J. H. TREWIN,
President.

REPORT OF BOARD.

To His Excellency, B. F. Carroll, Governor of Iowa.

Sir: Chapter 170 of the laws of the Thirty-third General Assembly, creating the Iowa State Board of Education, makes it the duty of the Board to report to the Governor and Legislature both its observations and conclusions respecting each and every one of the institutions named, to-wit: the State University, the State College of Agriculture and Mechanic Arts, and the State Teachers' College, including the regular biennial report to the Legislature, covering the biennial period ending June 30th preceding the regular session of the General Assembly. Obedient to the obligation thus imposed, the following report is respectfully submitted.

The service of the State Board of Education covers the latter half only of the biennial period ending June 30, 1910.

Pursuant to law, the Governor nominated members of the Board as follows:

To serve six years:

James H. Trewin,
Roger Leavitt,
Edward P. Schoentgen.

To serve four years:

Parker K. Holbrook,
Charles R. Brenton,
Daniel D. Murphy.

To serve two years:

Abraham B. Funk,
George T. Baker,
Thomas D. Foster.

Shortly after the board had been chosen by the Governor and confirmed by the Senate, the members met at the State Capitol and perfected an organization, electing James H. Trewin President. Later a meeting was held at Iowa City and the Finance Committee selected.

The Finance Committee is constituted and organized as follows:

President W. R. Boyd,
Thomas Lambert,
Secretary D. A. Emery.

The Secretary of the Finance Committee is by law also Secretary of the Board.

The several institutions, together with their endowments and current funds, were formally taken over July 1, 1909. These were found to be intact and fully accounted for.

The members of the Board entered upon their duties realizing that a great trust had been committed to their care, and mindful of the intent of the Legislature when it passed the bill creating this new form of government for the State's institutions of higher learning.

It was evidently the intention of the Legislature that the three State institutions governed by the Board should be co-ordinate parts of the general educational system of Iowa. It was manifestly the first duty of the Board to become thoroughly acquainted with the institutions thus placed under its control; and not a little time has been given by members, both individually and collectively, during the past year to a study of these institutions and of current educational problems. Expert advice has now and then been sought from the outside, and this policy will be continued. As Dr. Eliot has well said, "Confidence in experts and willingness to employ them and abide by their decisions are among the best signs of intelligence in an educated individual or an educated community. In any democracy which is to thrive, this respect and confidence must be felt strongly by the majority of the population. In the conduct of private or corporation business in the United States the employment of experts is well recognized as the only rational and successful method. No one would think of building a bridge or a dam or setting up a power house or a cotton mill without relying absolutely upon the advice of intelligent experts. A democracy must learn in governmental affairs, whether municipal, state or national, to employ experts and abide by their decisions."

The Board therefore holds to this general principle that it is a governing rather than an administrative body. As a governing body, its duty is to keep a sense of proportion among the three institutions intrusted to its care and to co-ordinate their activities. So far, the Board has had time to do little more than study the problem. It undertook this work with an open mind and without predilection toward any one form of organization. It assumes, however, that there is a "best way" to deal with all questions, and

that this way may be found by scientific analysis of data sifted and made ready for its judgment through the assistance of competent executives, and experts.

There can be no effective organization without structure and definite plan. It is too early to expect such structure and plan to be completely formulated. It may be said, however, that the Board aims at economy in education as in business, and to make the various departments of our educational system meet the needs of the people of Iowa.

It has been and shall continue to be the purpose of this Board as far as possible to put an end to rivalry and reduce duplications to a minimum. Necessarily work along these lines must be well considered and too rapid progress must not be expected. It was natural that there should be duplications of work under the old system, and it will not be possible to do away entirely with these duplications even after the lapse of some years, but the Board feels confident that they can be and will be reduced to a minimum.

For example, the Board found two well equipped and carefully developed divisions of engineering—one at the State College of Agriculture and Mechanic Arts and the other in the College of Applied Science at the University. If the work of developing a college of applied science were imposed upon this Board *de novo*, it may be frankly stated that only one such college would be established; but the problem to be dealt with is essentially that of two colleges, each with an expensive plant and for all practical purposes covering about the same ground. It would not, in the Board's opinion, be wise under present conditions to abolish either one of these colleges. It is feasible, however, to look forward to a time when these colleges shall be co-ordinated in such a way that the duplications may be few and insignificant. This can be accomplished by making one of the colleges of applied science a graduate college which shall do advanced work only. The various departments of engineering thus taken together will give to the State a college of the very best order among institutions of this character. Whatever duplications are to be found as between the State Teachers' College and the University School of Education can in like manner in time be done away with, leaving the State Teachers' College to continue in the work it has thus far so creditably carried on, and making the School of Education at the University a graduate college along these lines.

THE STATE UNIVERSITY OF IOWA.

COLLEGE OF MEDICINE.

Among the first things seriously to engage the attention of the Board was the University College of Medicine. This department is among the oldest at the University, and it may be said in general that it has kept step with progress in medical education from the beginning until the present time. During the last few years, however, there have been many radical departures in medical education, and it is apparent that if this progress is to be maintained, a much more liberal policy in the matter of the budget for this particular college must needs be inaugurated at once. So far as the funds at the Board's disposal would permit, the work has already been undertaken. Plans are complete and bids have been called for, for the erection of an additional wing to the University Hospital to be built out of funds provided by the millage tax. A resident professor of internal medicine at a salary sufficiently large to command the services of a thoroughly equipped internist has been employed, and the Legislature will be asked for a sum sufficient to bring into residence the occupants of additional chairs of equal importance. Hitherto the University Hospital to which the medical college must look for its clinical advantages has been self-supporting, but if this hospital is to meet the increased demands for clinical material incident to modern methods of medical instruction, a number of free beds must be provided and provision must be made for bringing to Iowa City certain classes of material which hitherto has not been sufficient in quantity for thorough instruction. This, in the Board's opinion, can be accomplished without any lavish expenditure of money, and the money asked for can be expended in such a way as to make it at once a benefit to the medical students and to the State at large.

This institution is maintained by money contributed by the tax payers for the purpose of instructing such young men as desire to perfect themselves in the science of medicine. It goes without saying, therefore, that the people of the State who need to take advantage of the facilities here provided should be acquainted with the advantages here present; and in cases where citizens of the several counties who are without means to come to Iowa City or to pay hospital charges need the advantages here provided,

some means should be devised to bring them here and to take care of them at the hospital during the time it is necessary for them to remain here. It is certainly possible to work out a plan for the accomplishment of these ends which in the final analysis will not increase the sum total of money expended for such purposes, but which will accomplish far better results than the haphazard methods of handling such cases by municipalities and counties have hitherto obtained; and at the same time a distinct service will be rendered humanity.

No institution, much less one supported by a State, should be satisfied with anything but the best in the way of preparation for the practice of medicine. People in this country are just beginning to realize that insufficient attention has been given to this matter. The Carnegie Foundation for the Advancement of Teaching recently published, after careful investigation, a comprehensive bulletin on medical education in the United States and Canada. Every medical college of any consequence was visited by a representative of the Foundation. Conditions, methods of instruction, etc. were studied, and a detailed report made. Not a few medical colleges were made the object of severe criticism in this report. It was the first time a work of this kind had been undertaken and the report brought to the attention of the general public, as never before, the need of more careful scrutiny of medical schools. The country as a whole—and Iowa is no exception—does not stand in need of more doctors, but it does stand in need of a larger number of thoroughly trained and scientific practitioners of medicine. We have come upon a time when it may be expected that attendance at medical colleges in general will decrease, by reason of higher standards of admission and graduation. American must shortly approximate German standards in this department of education. Such a consummation is to be desired.

Whatever the Board asks of the Legislature in the way of additional funds for the support of the medical college at the University will be asked not for the purpose of increasing the number of matriculants or graduates at the University College of Medicine, but to the end that this college may be put in the front rank of medical colleges in the United States, and kept there.

THE COLLEGE OF LAW.

On February 22, 1910, the Law Building was dedicated and the College of Law was removed from its home in the Old Capitol

Building to the new building, which is acknowledged to be one of the finest law buildings in the country, and especially well adapted to its uses.

The curriculum of the College of Law had not been revised for many years; and the Board, in consultation and conjunction with the faculty of the College, made a partial revision of the curriculum for the year 1909-10, and a further revision for the year 1910-11, the result of which is to enlarge the courses and increase very materially the efficiency of the College.

Under the old curriculum the total number of semester hours required in the course was approximately 1106 (1908) and 1268 (1909). Under the new, it is 1636. This is about the number of hours required in those which are considered to be the best law schools in the country.

During this period two vacancies have occurred in the faculty of the College, and these places have been filled by experienced and capable professors. One new professorship has been added, namely, that covering the Practice Subjects and Court.

The College of Law has been almost self supporting, but the salaries paid to professors have been inadequate, and it will be necessary for the General Assembly to provide a moderately increased appropriation for this college, if it is to be maintained on the high standard to which the people of Iowa are entitled in this as well as in all other departments of education.

COLLEGE OF LIBERAL ARTS.

The College of Liberal Arts in any university may be said to be the foundation of the entire structure. At the University of Iowa the College of Liberal Arts is the oldest and in point of number of students the largest among the several colleges. The Board at the present time is not bent upon enlarging the scope of the College of Liberal Arts; but it would like to see it strengthened in several directions. Many of its departments need additional professors and instructors, and in order to hold some of the men who have long served the institution through a sense of loyalty, but at great pecuniary sacrifice, salaries must be increased.

OTHER COLLEGES.

There is much work to be done toward the improvement and up-building of the other colleges and departments, but a discussion of these tasks is not attempted in this report.

THE LAKESIDE LABORATORY.

For two years past a summer research school of natural science, known as the Iowa Lakeside Laboratory, has been conducted on premises owned by alumni of the State University. Said premises lie on the western shore of the celebrated Lake Okoboji. This summer school has been eminently successful and gives promise of great future usefulness. The owners of the property offer the same to the Board of Education to be used as described. The Board heartily approves this enterprise, would accept the generous proffer, and recommends that an appropriation not to exceed \$1500.00 per annum be made for the maintenance of said Iowa Lakeside Laboratory.

ADDITIONAL LAND.

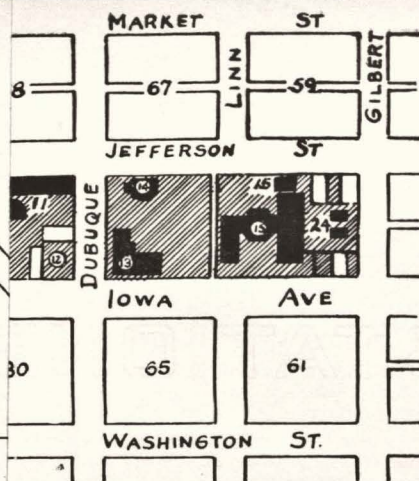
The University's needs in the matter of additional land will not be satisfied for some time to come. It is regrettable that a more far-sighted policy in this particular was not adopted long ago. The University inherited the grounds originally set apart for the State Capitol; and for many years this plot, equal to about four city blocks, was sufficient for its needs; but during this period property around the campus had been improved and had increased in value to such an extent that when the time did come for expanding it required considerable money to buy even a small plot of ground adjacent to the original campus. If at that time present conditions could have been foreseen, certainly the governing body of the University would have looked to the west bank of the Iowa River as the place for future development. Land could have been purchased there in abundance; and, as the institution's buildings were practically worn out, a new and magnificent campus—one of the finest in the country—could have been developed, with a very small expenditure for land, and without loss of buildings. Unfortunately, as it seems to us now, the plan of purchasing adjacent property piecemeal was adopted. As the matter now stands, the University owns lots here and there in the block just east of the campus across Clinton Street, a few lots in the blocks directly north across Jefferson Street, about one-third of the block south of the west half of the original campus across Washington Street, one entire block between the original campus and the athletic field which skirts the river for three blocks, and about one-third of the block across the street south of the latter plot. Of the two blocks bounded by Dubuque Street, Iowa Avenue, Jefferson and Gilbert

Streets, the University owns now all but a few scattered lots. On this plot are located the chemical laboratory, the medical hospital, the detention hospital, the homeopathic medical hospital, the hospital laundry building, the hospital heating plant, and a number of structures formerly used as private residences but now used as nurses' homes. It would seem to be the part of wisdom to acquire at once all the property not owned by the University in the blocks bounded by Clinton Street on the west, Iowa Avenue on the south, Gilbert Street on the east, and Jefferson Street on the north, these blocks being the block directly east of the University on which are situated the Medical Laboratories and the Anatomy Building, and the two blocks directly east of this one across Dubuque Street (the hospital plot). There are other pieces of property north and west of the original campus which the University must in time have, and which it would be economy to purchase as soon as possible; and in addition provision should be made for the purchase of a considerable quantity of land on the west side of the river, directly in line with present University holdings on the east side. Already this property is beginning to improve, and if years are allowed to pass before its purchase, the State will have to pay for all improvements without being able to realize much, if anything, in the way of salvage. The lessons of the past will certainly go unheeded unless a liberal amount of money is appropriated for the purchase of land for this institution.

NOTE: See plat showing the University's present holdings on the east side of the Iowa River. The black portions indicate buildings, the shaded portions land now owned by the University, and the white, land not owned by the University.

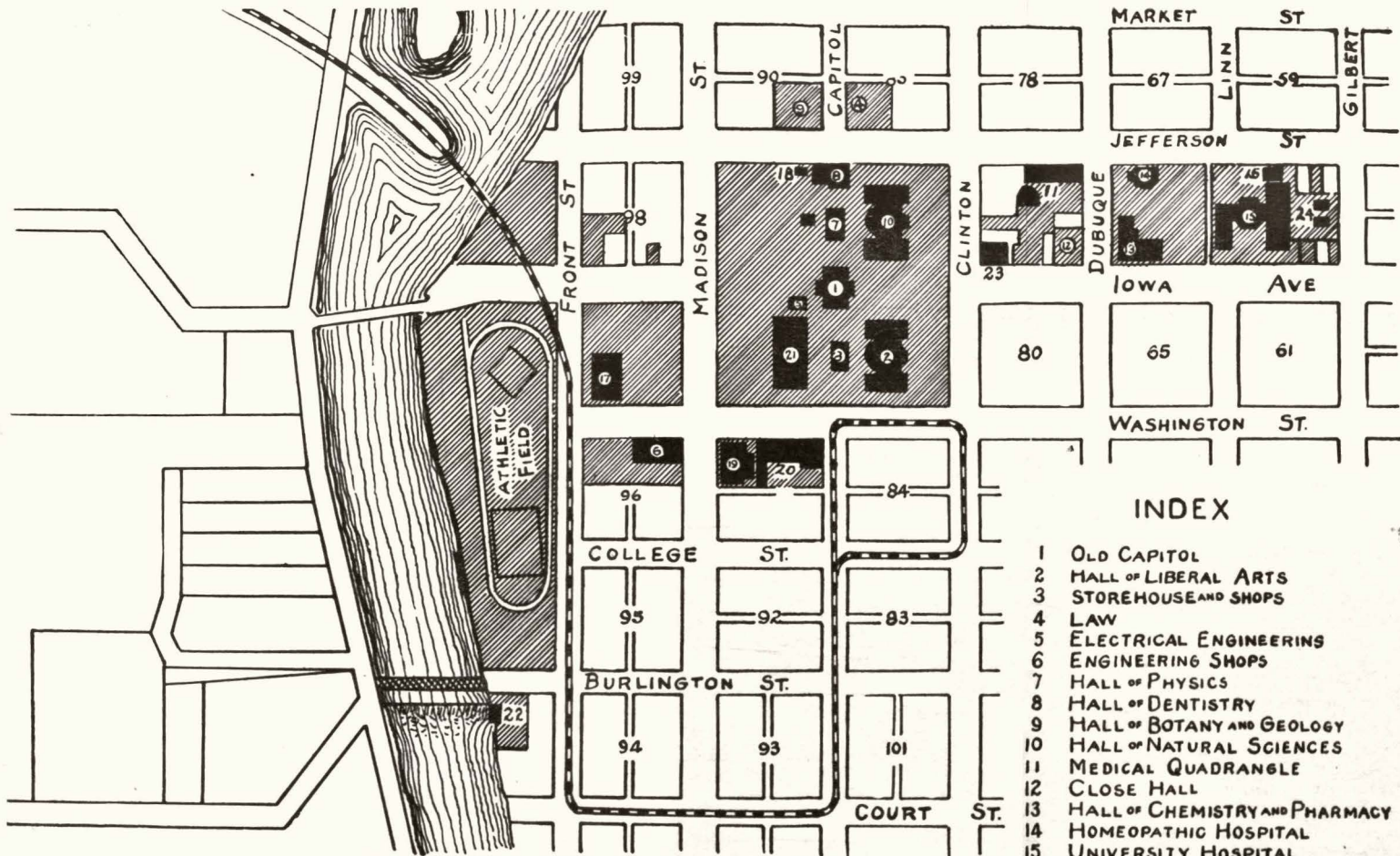
THE STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS.

The State College of Agriculture and Mechanic Arts presents many problems at once interesting and perplexing. From the standpoint of business administration, it is more intricate than the other institutions under the Board's control, this for the reason that it carries on numerous commercial transactions, its farm, its dairy and its creamery. The extension work has developed rapidly, and its scope is being constantly increased. The development in industrial education along all lines has been so rapid, and the



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THE STATE UNIVERSITY OF IOWA

IOWA CITY

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demand for its development so insistent that it would be passing strange if there were not need to examine carefully into some of these demands before yielding to them.

The statute which called into being these institutions known under the general term of "Land Grant Colleges" is very broad in its provisions—much broader than many people who have criticised their development imagine. It provided among other things for the "endowment, support, and maintenance of at least one college (in the States which elected to take advantage of the Act) where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the Legislature of the State may provide, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life." Who, in the face this provision of the Morrill Act, can say that a so-called college of agriculture and mechanic arts maintaining high collegiate standards has gone beyond the law which created these colleges? It may indeed be argued that public interest would have been better served if this statute had been construed to provide only for what are now known as trade schools: but in view of the provisions above noted, it must be conceded, we think, that ample authority was granted for the establishment of colleges of the very highest grade. Rightly or wrongly—and this Board believes rightly—Iowa elected to establish a college in the true sense of the word. From the very beginning high standards were insisted upon, and these standards have been increased as the institution has developed, until today in point of standards of admission and standards of curriculum this institution stands in the very front rank. Its student body is homogeneous, and the work along all lines will compare favorably with that in any similar institution elsewhere. The several departments of engineering have kept pace with this branch of education, and in the field of agricultural education the Iowa institution is perhaps without a peer in the country. Certainly there is no institution outranking it.

The board is firmly of the opinion that the institution should be continued according to the high standards which have thus far marked its development.

SHORT COURSES.

Yielding for the time to what seemed to be not only a popular demand but a public need, the Board has sanctioned the installation at this institution of a two years' course in agriculture, which students who have completed the studies usually designated as the "common branches" may enter, but from which any student who is prepared to enter the regular college course in agriculture shall be excluded. This arrangement is only temporary. The Board recognized the demand for such instruction and the need of it; and it intends to present this matter frankly to the General Assembly as something which the Legislature should consider on its merits and provide for—if in its wisdom it recognizes the necessity of providing for it—in such a way as not to interfere with the high standards which have always been maintained at this institution, and which the Board hopes to see maintained in the future.

If this short course work in agriculture is to be carried on it should be segregated from the other work of the college. Use can be made of college class rooms and equipment, where such use does not interfere with the regular college work, but instructors and instruction should be distinctly separate from the college proper, and the State should make a separate appropriation for their maintenance. We agree with the acting President of the College that it should make no draft either on the income or energy that sustains and upholds the collegiate courses, and that when this work can be done to advantage elsewhere, it should be discontinued. Application has been made for similar short courses in engineering and domestic technology. The need for these is not so apparent to the Board as is the need for the short courses in agriculture, hence no temporary provision for them has been made. If the Legislature should see fit to adopt the suggestions of the Dean of the College of Engineering and the Dean of the College of Agriculture touching these additional short courses, the Board is of the opinion that they too should be distinctly segregated from the college proper, and that the State should make a special appropriation for their maintenance. In the Board's opinion, it would be manifestly unwise to take any steps that would promise to interfere with the homogeneous development of the College along the lines it has pursued from the beginning.

It has been estimated that an annual appropriation of \$30,000.00 will be necessary, aside from whatever additional buildings will be required, for the maintenance of the short courses in the three subjects above mentioned.

THE STATE TEACHERS' COLLEGE.

The Thirty-third General Assembly changed the name of the institution at Cedar Falls from the Iowa State Normal School to the State Teachers' College. This change was justified, for this institution can no longer be properly designated merely as a normal school. It is more than a normal school as that term is generally understood. It would perhaps be in order to say that it is a normal school and more—a college. It confers at least one collegiate degree. Its course leading to the degree of Bachelor of Arts in Education is to all intents and purposes a standard college course.

The wisdom of the policy pursued by Iowa in concentrating its energies on one great normal school, which has from time to time extended its courses until the change in name noted above was made necessary, need not be discussed here. This Board must deal with what is, not with what might have been. Whatever may be one's opinion as to this particular matter, all must and do agree that the Iowa State Teachers' College is a magnificent institution—honored at home and abroad. It trains for all departments of the common schools, and if the interpretation of the constitutional provision establishing this college has been liberal it surely will be conceded that the work attempted has been nobly done.

MILLAGE TAX.

Some months ago the Board ordered a careful investigation for the purpose of deciding whether or not the Legislature should be asked to continue what is known as the millage tax, the proceeds of which have been used for the erection of buildings at the several institutions. As a result of this investigation, the Board has un-animously decided to ask for the continuance of this tax for an additional five-year period.

We find that this method of providing for buildings is the one in vogue in California for the State University of that State, in Colorado for the State Agricultural College and School of Mines, in Indiana for the State University, in Kentucky for the University of Kentucky, in Michigan for both of its institutions of higher learning, also in Minnesota, Nebraska, North Dakota, Ohio, Wiscon-

sin and Wyoming. It is a fact easily demonstrated that the institutions as they now exist have practically been created out of the proceeds of this levy. To date, the University has drawn from the State Treasury from the fund thus created a total of \$1,113,050.00, the State College of Agriculture and Mechanic Arts \$1,075,758.81, the State Teachers' College \$458,987.38.

BUILDINGS ERECTED AT THE UNIVERSITY.

Out of the proceeds of this tax there have been erected at the State University:

- University Hospital and Power Plant.
- Hall of Liberal Arts.
- Central Heating and Power Plant.
- New Medical Buildings (Hall of Anatomy and Laboratories).
- Hall of Natural Science.
- Armory and Athletic Pavilion.
- Engineering Hall.
- Steam Laboratory.
- Greenhouse.
- Hydro-electric Plant.
- President's House.
- Engineering Shops.
- Law Building.

There are now in process of construction a Physics Building and an additional wing to the hospital.

During this same period, owing to the rapid growth of the institution, the General Assembly has found it necessary to supplement the millage fund by special appropriations to the amount of \$120,000.00. Any one acquainted with the University must realize at once that if the buildings that have been erected out of this fund were blotted out, there would be little left of the institution as far as its physical being is concerned.

BUILDINGS ERECTED AT THE STATE COLLEGE.

The same thing is true at the State College of Agriculture and Mechanic Arts. Out of the proceeds of the millage tax there have been erected on the campus at this institution:

- Central Building.
- Central Heating Plant.
- Experiment Station Barn.
- New Agricultural Buildings, including Stock Judging Pavilion, Additional Feeding Sheds for Farm, Greenhouse and Horticultural Building, Agronomy and Soils Building and Insectary for the Entomological Section

of the Experiment Station.

- Hall of Agriculture.
- Dairy Building.
- Dairy Farm Buildings.
- Horticultural Cottage.
- Engineering Hall.
- Forge Shop.
- Machine Shop.
- Engineering Hall Annex.
- Ceramics Building.
- Domestic Technology Building, (almost completed).

There is in process of construction a veterinary department building, to cost \$150,000.00, while a gymnasium, auditorium and armory building have been approved by the Legislature, and will be built out of the proceeds of the present tax. Here, as at the University, the present college plant has been practically created by this tax.

BUILDINGS ERECTED AT THE STATE TEACHERS' COLLEGE.

At the State Teachers' College the tax has performed a like service. President Seerley has tersely summed up the situation in general, as follows: "The creation of the first millage in 1902 opened the way for a satisfactory system of construction, enabled plans to be carefully made, and began a possibility for creditable educational institutions in the State of Iowa. Up to that time the cheapest form of construction had been used, the poorest kind of architecture was accepted, and the equipment was beggarly and insufficient to permit the work that such institutions were supposed to undertake and to pretend to accomplish. Without this improvement in the construction of buildings for higher education, the Iowa institutions would have been among the weakest and most unattractive in the whole United States. With the present policy continued the time is not very distant when Iowa will be on a par with any of the States."

At the State Teachers' College the following improvements were made possible by this tax:

- Domestic Science Kitchen and Class Room.
- Smoke Stack
- Completion of Heating and Ventilation of Auditorium Building.
- Boiler House.
- Water Extension .
- Sewer Extension.
- Gymnasium Building and Equipment for same.

Engine House and Tunnel.
 Heating and Ventilation, Central, South and Auditorium Buildings.
 Superintendent's House.
 Laboratory Building and Equipment of same.
 Library Building and Tunnel.
 President's House, and many improvements of a minor nature.

SYMMETRICAL DEVELOPMENT.

The millage tax has made possible symmetrical development in the way of buildings at each of the institutions. If this symmetrical development is to continue, the tax must continue for at least another five year period. The institutions can well challenge the closest scrutiny of the expenditures from this fund. Practically all of the buildings erected during the last decade are substantial, fire proof buildings, scientifically adapted to the purposes for which they were created, and a credit from an architectural standpoint.

ADDITIONAL BUILDINGS NEEDED.

The Board has given careful consideration to the need for additional buildings at the several institutions; and, should a continuance of the tax be granted, will in due course of time ask the Legislature to approve plans for buildings substantially as follows:

At the University.

Woman's Building.
 Botany and Geology Building.
 Library.
 Gymnasium.
 Chemistry Building.

At the College of Agriculture and Mechanic Arts:

Addition to Margaret Hall.
 Chemistry Building.
 Library.
 Physics Building.
 Auditorium.
 Mechanical Laboratory and other buildings of a minor character.

At the State Teachers' College:

Completion of Training School Building.
 Vocational Teachers' Training School Building.
 Music and Public Speaking Building.
 Hospital.
 Green House.
 Enlargement of Heating Plant.

Urgent necessity makes it imperative to ask the Legislature for some special appropriations for building purposes. This matter will be considered more in detail in another portion of this report.

REASONS FOR THESE ASKINGS.

UNIVERSITY AND STATE COLLEGE.

The need for a woman's building is taken up elsewhere under the head of Dormitories. The fact that the University and the Agriculture College are without library buildings, as such, is sufficient argument for the need in this direction. At the University the library is housed in the Natural Science Building; but the accommodations for it, aside from the reading room, are utterly inadequate. Much valuable space in the Liberal Arts Building, sadly needed at the present time for recitation rooms, is taken up with department libraries, an arrangement made necessary by the inadequate facilities of the general library. At least one-fourth of the floor space in the present Hall of Liberal Arts is occupied by departmental libraries and the library of the State Historical Society. This latter is a most valuable adjunct of the University. At the present time it occupies about fifty percent of the fourth floor of this building. This library should be given ample accommodations in a general library building. The present decentralized condition of the University Library greatly impairs its efficiency.

At Ames the library is housed in a cheaply constructed building which has twice narrowly escaped destruction by fire through being struck by lightning. The valuable collection of books here assembled is liable to be destroyed at any moment. The Teachers' College is just completing a library building; and when that shall be occupied this institution will be the only educational institution in the State which has its library decently and safely housed.

The need for a gymnasium at the University and the Agricultural College is self-evident. Physical training has come to be one of the important considerations in modern institutions of learning. Each of these larger institutions is practically without modern gymnasium facilities for both men and women. The Legislature has already approved plans for a gymnasium at the State College of Agriculture and Mechanic Arts, and the Board hopes to have the contract for this building let by the first of the year. Just as soon as practicable, a similar building should be contracted for at the University.

At the State College of Agriculture and Mechanic Arts, Chemistry may be said to be the foundation of nearly every course offered. Yet the department of Chemistry is housed in one of the poorest buildings, the facilities of which are inadequate and unsanitary. As a result, courses in Chemistry are of necessity conducted in various other buildings on the campus at great inconvenience and at considerable additional expense which could be avoided if the department as a whole were properly housed. At the University the Chemistry Building was a mistake and a botch to begin with. It is wholly inadequate for the demands of the department. The building is at once unsanitary and unsafe, and the necessity for a new structure for this department is second only to the needs of the same department at Ames. A building for Botany and Geology at the University is another necessity which may almost be said to be immediate. These departments long ago outgrew their quarters. They are in possession of invaluable material, some of which could not be duplicated at any price. All this material is in constant danger of destruction by fire. As a matter of economy, the State ought not to delay much longer the erection of an adequate building for these two very important departments. At the State College of Agriculture and Mechanic Arts the Department of Physics is about as inadequately cared for, so far as space is concerned, as is the Department of Chemistry. There is in process of construction at the University a splendid building for this department. The one at Ames need not be so elaborate as the one at the University, but the need for it is just as great as that which now exists at the University with the Department of Physics housed in the old building.

At the State College of Agriculture and Mechanic Arts the student body numbers approximately two thousand. They have there no auditorium of any kind capable of holding more than six or seven hundred. All meetings of a public nature must of necessity be held upon the campus. For years it has been necessary several times a year to bring to the campus a tent in order to house the large audiences that assemble on special occasions. Owing to the vicissitudes of weather, this has been very unsatisfactory, and it is at best a make-shift and an expensive one. The institution needs an auditorium that will comfortably accommodate an audience of four or five thousand persons. There is need, moreover, at this institution for several buildings of a minor character, such as a

poultry judging pavilion, new mechanical laboratory, and additional buildings for the agricultural department.

STATE TEACHERS' COLLEGE.

The State Teacher's College needs first of all a training school building. By far the larger portion of the amount needed for the erection of this building will come out of the proceeds of the present tax, but it will be necessary to provide at least \$15,000.00 additional. The State Teachers' College maintains a practice school, pupils for which are drawn from that portion of Cedar Falls adjacent to the college. It is to all intents and purposes a public school. The present arrangements for this work are very unsatisfactory. The necessity for such a building is pressing. This institution also needs a vocational training school building, at a cost which is estimated at \$130,000.00. This branch of public school education is being developed very rapidly and the demand for it is well recognized.

The Department of Music at this institution has grown to large proportions. It is at the present time without adequate facilities in the way of buildings. Moreover, instruction in music when carried on in buildings used for other purposes can not but interfere with the other work carried on in these buildings. The Department of Music should be housed in a building by itself. It is estimated that a building for this department sufficient for the present needs and with an eye to future development will cost \$75,000.00.

The College Hospital at the present time occupies the building formerly used as the President's house. This building is by no means large enough for this purpose nor is it possible thoroughly to adapt it to hospital purposes without an expenditure which in the end would constitute a waste. In order to provide reasonable facilities an expenditure of not less than \$25,000 is necessary.

The present power plant is inadequate. President Seerley estimates that \$12,000.00 will be required to bring this arm of the institution up to where it should be. It will also be necessary in the near future to increase the capacity of the steam plant. The estimate for this need is placed at \$15,000.00. In addition to the greenhouse costing \$16,000.00, the other buildings asked for and approved by the Board are a store house, barn and amphitheatre, \$15,000.00; repairs on South Hall, \$5,000.00; on Old Hall \$2,000.00; on other

buildings during the next five years \$5,000.00. A continuance of the millage for another five-year period would take care of these needs. With these additions the plant of the State Teachers' College might be said to be complete and the tax, for this particular institution at least, could then be discontinued.

CARE EXERCISED IN MAKING ESTIMATES.

The Board in conjunction with the Finance Committee has spent not a little time in consideration of the askings in the way of increase of support fund and special requests as made by the heads of the various departments. Extended hearings were granted all parties interested, and each item was carefully examined. Hitherto it has been the practice for the several institutions to go to the Legislature with their askings practically without attempt at co-ordination. The institutions would ask for the amounts they deemed necessary, and the Legislature would grant what in its wisdom it thought it could afford to appropriate. Sometimes the committees in charge of appropriations were compelled to decide somewhat blindly as to these askings. This Board proposed to adopt an entirely different plan. It has taken the time necessary for a thorough investigation of the needs as presented by the heads of the institutions and to decide what in its opinion are the absolute necessities of the present hour. The Board assures the Legislature that this work has been carefully and conscientiously performed; and, as a result of this labor, believes that the Board's askings for the several institutions have been reduced to a business basis and cannot be further reduced without actually handicapping the institutions.

A summary of these askings is as follows:

STATE UNIVERSITY.

First: The so-called Special Support Fund of \$25,000.00 per annum granted by the Thirty-third General Assembly should be made permanent, and the fund of \$15,000.00 per annum for books and bindings for the libraries should be increased to \$17,500.00, and made permanent.

Second: There should be a renewal of the appropriations for
 General equipment and supplies of.....\$ 7,500.00
 A renewal of the appropriation for land of..... 17,500.00
 A renewal of the Appropriation for paving, side-walks and improvement of grounds of..... 3,000.00

And the following additional appropriations should be granted:

General equipment and supplies.....	25,500.00	
Land	32,500.00	
Sidewalks and improvement of grounds.....	5,000.00	
There should also be an annual increase in the Repair and Contingent Fund of.....	5,000.00	
		\$ 68,000.00

Third: There should be an increase of the annual appropriations as follows:

College of Liberal Arts.....	50,000.00	
College of Applied Science.....	5,000.00	
College of Law	3,700.00	
College of Medicine	21,000.00	
College of Dentistry	2,500.00	
College of Pharmacy	2,000.00	
Fine Arts	7,500.00	
Library support	2,500.00	
Administration	1,500.00	
Miscellaneous (fuel, light and janitor service)....	5,000.00	
		100,700.00
Total additional appropriations.....		\$168,700.00

A considerable portion of the additional support fund must of necessity go to increases in salaries. Reference being had to President MacLean's report, it will be seen how far the University is behind institutions of similar rank in the matter of salaries paid instructors, professors, and heads of departments. What is true of the University in this respect is true of salaries paid in all the institutions under this Board's control. The increased cost of living, taken in connection with the discrepancy which exists between the salary standards here and elsewhere, imposes an additional burden upon as worthy a body of citizens as can anywhere be found. The plain truth is that unless the Legislature can see its way clear to meet the demands for additional support, a considerable portion of which shall go to increases in salaries, we must face the alternative of losing from these institutions many men with whose services we can ill afford to dispense. The Board believes that the Legislature will recognize these needs and that the people's sense of justice will insist that no other course ought to be considered. The Board proposes to adhere to this general principle—not to increase in any marked degree the scope of any of these institutions until the work already attempted shall have been brought to the highest possible standard. High standards are sometimes criticised. It is said that such standards exclude many who find it difficult to conform to them, and that state institutions in particular should be

liberal at this point. However plausible this argument may seem to be, it is unsound. If there is any path in this world along which we pass but once, it is the preparation path. To invite students to take a so-called easy road to learning is to deceive them and to defraud them. To maintain high standards is plain duty. For the accomplishment of this purpose, adequate compensation for the instructional force and a sufficient amount for thorough equipment are necessities.

Necessity for increased support for the College of Medicine and the College of Law is given under the heads "College of Medicine" and "College of Law."

Every growing institution finds that each year it must spend an additional sum of money for equipment and for repairs. Every asking along these lines has been carefully scrutinized, and the amounts decided upon by the Board have, in its opinion, been reduced to the minimum. The necessity for the comparatively large sum asked for the purchase of additional land has been fully set forth in another chapter of this report. The amount asked for equipment is made necessary by the approaching completion of the Physics Building, the furnishings and apparatus for which will be expensive, also on account of the necessity for adequately equipping the new wing of the University Hospital.

STATE COLLEGE OF AGRICULTURE.

The askings for the State College of Agriculture and Mechanic Arts may be summarized as follows:

First: That the so-called Special Support Fund of \$25,000.00 per annum granted by the Thirty-third General Assembly be made permanent.

Second: That there should be a renewal of the appropriation of \$7,500.00 per annum for the equipment of departments, and a renewal of the appropriation of \$3,750.00 per annum for sidewalks and grading.

The following increases are asked in the annual Support Funds of the State College:

Educational Support Fund	\$ 50,000.00
College Extension	10,000.00
Agricultural Experiment Station.....	15,000.00
Engineering Experiment Station	5,000.00
Good Roads	5,000.00
Two-year Agricultural Course	25,000.00
Total	\$110,000.00

The following special appropriations are asked:
 Additional department equipment, including furnishings for Domestic Technology Building, Gymnasium and Veterinary Hospital.....\$ 60,000.00

Public Grounds Improvements.....	6,000.00
Heating Plant	43,000.00
Judging Pavilion and Abattoir Laboratory.....	50,000.00
Poultry Laboratory	6,000.00
Total special askings	\$165,000.00
Only one-half of which sum shall be used each year of the biennial period.....	82,500.00
Total for each year	\$192,500.00

Here, again, the major portion of the additional support fund requested must go to increase in salaries. This institution, as well as others under the Board's control, is constantly losing men to the institutions of other states which are certainly no better able to command the services of the best educational talent available than is Iowa. The Board is prepared to submit to the Legislature indisputable proof of the fact that in the matter of salaries the standards in Iowa's institutions of higher learning are far below those of surrounding States, some of them younger and far less wealthy than Iowa. The Legislature and the public generally are thoroughly familiar with the valuable service rendered by this institution through its extension department. It has been impossible to give anything like adequate response to the numerous demands for short courses in various portions of the State. The askings of the department in this particular are far in excess of what the Board finally decided upon as the minimum amount it would request the Legislature to provide for this exceedingly important work. It needs no argument to set forth the value of the service rendered Iowa's chief industry through work done by the Agricultural Experiment Station. Here, too, the demand on the part of the public has been far in excess of the ability of the department to meet it, this by reason of financial limitations. The amount asked for in this particular is also far below the amount requested by the department. The engineering experiment work has been very helpful not only to Agriculturists, but to cities and towns of the State as well. In view of the public demand upon this particular department, an additional sum of \$5,000.00 per annum for this work is considered by the Board a very moderate increase.

A few years ago the good roads movement caused the Legislature to provide a small sum for the beginnings in this work, and the money thus appropriated was put in charge of this institution in order that responsibility might be concentrated and placed in re-

liable hands. The original sum did scarcely more than provide enough to pay salaries and office help. If the work is to be continued, the small additional sum asked for is an absolute necessity. The two-year course in agriculture has been treated of in detail in another portion of this report. If the Legislature approves of this departure, the support fund asked for is considered by the Board to be a conservative request. As is the case of the University, the sum asked for equipment is seemingly large but is made necessary by the approaching completion of the Domestic Technology Building and the Veterinary Building. The campus at this institution is one of the most beautiful spots in Iowa. The sum asked for the additional development and care of these grounds is all too small when the actual needs are considered. Here, as in other askings, the Board has named the very least sum which in its opinion will adequately take care of the work.

The completion of the Veterinary Building will necessitate further extension of the heating tunnel at this institution, and considerable additional equipment at the heating plant. A conservative estimate of the needs in this direction has been placed at the figure named above.

JUDGING PAVILION AND ABATTOIR.

A special request for a judging pavilion to cost \$50,000.00 was approved by the Board and given precedence over a number of requests for special appropriations, on the ground of urgent necessity, because, after careful consideration, the Board came to the conclusion that the need for this building was so pressing as to require immediate attention. It might be said in passing that nothing short of an absolute necessity would prompt the Board to make a special request for building purposes outside of the millage tax. The Agricultural Department has been unable to make anything like satisfactory provision for certain features of the animal husbandry work in the matter of conducting slaughter and block tests and more closely connecting the practice of feeding with the results of the finished product in the carcass, and at the same time determining the most economical and efficient means of producing animals on the farm, without an abattoir laboratory by which animals that are used for the investigation and instruction may be slaughtered and the product finished for market in such a way as to be of the highest educational value. Two years ago a request was made of the Legislature for a building of this kind. It is

again requested by the head of the department and the professor of animal husbandry and agronomy. A plan has been formulated whereby this judging pavilion and abattoir may be included in one building at a cost not to exceed \$50,000.00. The intense interest manifested in this work during the annual short courses held during the winter vacations, as well as that manifested by the regular classes in animal husbandry, even when the slaughter and block test demonstrations have been given under such unsatisfactory conditions, proves the need for more adequate facilities; and the Board feels that it will not appeal in vain to the Legislature for this special appropriation.

POULTRY LABORATORY.

Interest in the work done by the poultry department is constantly on the increase. The economic value of poultry need not be argued. Everybody who has given any attention to agricultural problems understands that few things bring larger returns in dollars and cents than poultry raising scientifically conducted. This department greatly needs—and at once—a poultry laboratory, to cost about \$6,000.00.

STATE TEACHERS' COLLEGE.

Increases of permanent support for the State Teachers College per annum are:

Teachers' fund	\$22,000.00
Contingent fund	8,000.00
Librarian's salary fund.....	2,000.00
Hospital	250.00
Summer term	3,000.00
	\$35,250.00
Special appropriations asked:	
Pipe organ	\$ 5,000.00
Fire protection	5,000.00

Here also there must be advancement and adjustment of salaries and provision for the employment of a number of additional teachers. In support of this request, President Scerley well says—and his words are applicable to all of the institutions under the Board's control—

“The salaries of superior teachers are on such a basis that an actual increase is essential if Iowa is to compete successfully with

other states. Talent such as this College needs when new teachers are to be appointed to fill vacancies or to add to the force of the department is not now obtainable at the scale of salaries paid. There must be a considerable advance in salaries all along the line if the work is to be kept at the right standard."

An increase in the contingent fund is made essential by reason of the fact that it will be necessary to employ additional janitors for the new library building and additional clerical help in the office of the President, also to provide for a night engineer in order that the library building may be kept open evenings. Increase in the library salary fund is made necessary by the forthcoming occupancy of the new library building.

The Thirty-third General Assembly made an appropriation of \$2,000.00 for the equipment and maintenance of a hospital. This sum proved to be altogether insufficient, but a plan was formulated whereby a students' and teachers' insurance fund, voluntary in character, was created, which sum, together with the amount appropriated by the Legislature, has enabled the authorities to take care of sick students in a manner reasonably satisfactory. The small addition requested for this appropriation is most urgently needed.

The summer term at the State Teachers' College is the most largely attended and in some respects the most important session of the year. Many of the State's public school teachers take advantage of the facilities here offered in order that they may render better service in their respective fields of endeavor. The need for additions to the teaching force during the session is imperative and the sum asked for is inadequate rather than adequate. It may be said in this connection that President Seerley made a strong appeal to the Board to recommend to the Legislature the abolition of fees at this session in order that this confessedly underpaid class of public servants might the better feel that they could afford to take advantage of this summer session; but, in view of the urgent necessities of the general educational situation, the Board felt that, much as it approves in a general way President Seerley's suggestions, it could not at this time afford to comply with this request.

PIPE ORGAN PROPOSITION.

The students and faculty of this institution have for some time been laboring diligently to accumulate a fund to be used for some purpose that would advance the general welfare of the institution. This fund has been accumulated by means of lectures and other

entertainments and has now reached approximately the sum of \$5,000.00. It is the consensus of opinion that nothing would be more beneficial to the student body as a whole than the installation of a pipe organ in the college auditorium. It has been estimated that an instrument adequate for this auditorium would cost \$10,000.00. The committee in charge of the fund above referred to offers to donate the money in hand to this purpose, if the State will provide an equal sum. The Board earnestly endorses this proposition and recommends it to the favorable consideration of the General Assembly.

FIRE PROTECTION.

The buildings at the State Teachers' College do not have adequate fire protection. The fire pressure now given by the Cedar Falls fire department does not exceed fifty pounds. This is insufficient to protect the roofs of several of the buildings in case of fire from accident or from lightning, and in case of the disablement of the city pumping engine, the college would be at great inconvenience and possible loss. The Board is of the opinion that a pump should be installed in the addition to the power house that must be constructed, and that proper attachments should be made so that the college can use its deep well both for fire and for water supply, if such should become necessary. It is certainly not necessary to urge the need for adequate fire protection. Unfortunately, but one building at this institution is thoroughly fire-resisting, to-wit, the new library. There should be no delay in providing the protection required. A careful estimate places the expense of installing what has been requested at \$5,000.00.

DORMITORIES.

The Board feels that in the near future,—immediately if possible,—at least a beginning should be made in the establishment of dormitories.

Each institution, whether it admits it or not, must assume responsibility for the intellectual, moral and physical life of its students. State institutions generally have laid the main stress upon the intellectual life, leaving the moral and spiritual development and the physical development largely to other agencies. This practice is no longer in accordance with the demands of thoughtful

parents, and it is gratifying to be able to state that Iowa has recognized this obligation, and the several institutions have done everything that they could do along these lines, so far as financial limitations would permit. Columbia University, in order to fulfill more adequately its duty in this respect, has recently erected dormitory buildings at a cost of \$3,500,000.00. In the opinion of the Board, the people of Iowa will be willing to provide dormitories for their institutions when they understand what the significance of such dormitories would be.

The only thing in the nature of a dormitory at any of the institutions at the present time is Margaret Hall at the State College of Agriculture and Mechanic Arts. This is a sightly and well-arranged building capable of accommodating about a hundred girls. It is unfortunate that it is not of fire-proof construction. The present building constitutes two-thirds of the building originally planned, and when the addition to it shall be built that portion should be fire-proof.

It would be difficult to imagine what this institution would do without Margaret Hall. Though not sufficient in size to accommodate more than half the young women who attend this institution, it has been a center of good influence and culture, the value of which cannot be overestimated.

At the University it is not putting it too strongly to say that the need of a woman's building is the most pressing need of the present hour. Last year upwards of eight hundred young women were enrolled in the State University. It is impossible for an institution to do anything like its full duty by this number of young women without a woman's building sufficiently large to house at least a considerable portion of them. It is only through the opportunities which such a building affords that the Dean of Women can come into that close personal relation which she should have with the girls. It is only through the instrumentality of such a building that proper college spirit and social standards can be attained. The State Teachers' College is likewise destitute of any such center of influence. The girls at each of these institutions simply have to live as best they can in private houses. The sorority houses at the University do something, but they are not able to do very much. The majority of the young women students are outside of these sororities.

The Board would, if it could, gradually install a dormitory system for men, and along with this system commons where good, wholesome food at reasonable prices could be served. To state the matter frankly, the opportunities for obtaining the kind of rooms and board which such students of all classes and both sexes should enjoy are not what they should be at any of the institutions. The establishment of a single dormitory at each would do much to improve these conditions. It would be due notice that if private enterprise did not provide adequate facilities, the institutions themselves would see to it that adequate facilities were provided.

As a student goes through college, he should, in addition to the instruction given him in the class room, learn how to live. He ought not to be allowed wholly to shift for himself. He ought to be taught the amenities of life; and, above all, his surroundings should be sanitary and comfortable. He should learn to know his fellow students intimately and to treat them courteously. The dormitory system does much to promote all these desirable ends. A college life characterized by carelessness in everyday living unfits young men and women for the best work in life. Those who have been well trained at home take on careless habits when social amenities are neglected, while those who have never had such advantages never learn their value. The Board believes that the time has come when a beginning ought to be made in the establishment of such a system. First, provision should be made for the young women in attendance upon the various institutions; but there ought not to be any considerable delay in looking after the interests of the young men in these particulars as well.

Nearly every educational expenditure is an expenditure whose dividends are not to be looked for in dollars and cents. Educational institutions for the most part are not expected to pay their way, but a well regulated dormitory system, in addition to the splendid moral cultural influences made possible through it, can under proper management actually be made to pay an adequate dividend in dollars and cents.

SOME THINGS ACCOMPLISHED.

AUDITOR EMPLOYED.

The Board feels that it is warranted in saying that distinct progress along several lines contemplated by the Legislature has been made during the past year. The Finance Committee, as well as the Board, has tried to be diligent in its work. A skilled accountant of long experience in business matters was employed by the Board as auditor to aid the Finance Committee. This official has during the year made a careful study of the business methods in vogue at the several institutions, and has made to the Board comprehensive reports, with recommendations, the intent being to establish a system of accounting which shall be as nearly uniform as possible. The Board wishes to show the cost of education in the various colleges, not only in conformity to the law, but also in such a manner that thoughtful citizens may grasp the essential figures without waste of time. The Board also desires to gather and present in the future similar data for comparison from other State universities.

CARE OF PHYSICAL PROPERTY.

The Board feels that not a little has been accomplished in the direction of better care of the physical property of these institutions. The value of this physical property totals several millions of dollars. The maintenance of the various buildings is most important. The Board is glad to be able to report that it now has in its employ at each of the institutions a thoroughly competent man occupying the position of Superintendent of Construction, Buildings and Grounds. One of these superintendents has long been in the employ of the State and was found to be a most efficient man. The other two were employed by this Board and great care was exercised in their selection. Each of these three men is trained for the work he has in hand. Each is an expert superintendent of construction, and two of them are practically electrical engineers. All of them thoroughly understand the problems incident to heating and ventilation. It is possible at each of the institutions now, in case satisfactory bids for the construction of buildings should not be received, to turn the work over to these

men directly without any fear that the State would suffer by such action. Responsibility has been concentrated in the hands of these men and corresponding authority granted them. During the past year results obtained in consequence of this policy have been admirable, and it is confidently expected that through the several organizations these men have perfected, the State will be saved many thousands of dollars annually.

RELATION OF THE INSTITUTIONS TO SECONDARY SCHOOLS.

The Board found that the State University had for several years maintained relations with the secondary schools of the State through an inspectorship, the inspector visiting the various secondary schools and giving advice and assistance to them in so arranging their courses of instruction as to best articulate with that of the University. The other two institutions under the charge of this board also maintained relations with the secondary schools in a somewhat similar way. After consultation with the Presidents of the institutions, in the interest of economy and in the direction of co-ordination, the Board concluded to appoint an inspector of high schools, as representing the State Board of Education, and through it, all three of the institutions, thus bringing about uniformity of inspection and closer relations among the institutions. This appointment was made under the authority granted by statute to employ such help as is deemed necessary to aid the Finance Committee.

CO-ORDINATION OF WORK.

On January 17, 1910, the Board through its president addressed to the president of each of the institutions a communication suggesting that a committee of five members of the faculty of each of the institutions be appointed to constitute a joint committee to consider the matter of freshman entrance requirements to the institutions, the courses of study, and other matters concerning the scope and work of the institutions. The presidents promptly approved the suggestion and appointed the committee. This committee and its sub-committee held several meetings, and as a result uniform freshman entrance requirements have been adopted for the substantially similar courses in the three institutions; and by

the creation of the Board on Secondary School Relations provision has been made for uniformity of inspection and advice to the secondary schools.

The regulations adopted by the Committee of Fifteen and the faculties of the several institutions in no wise constitute a dictation of the courses of study of the secondary schools, but are designed to be helpful to such schools and to bring about and maintain the most amicable relations between them and the institutions for higher learning, which relationship is purely voluntary on the part of the secondary schools. This Committee of Fifteen has not completed its labors, but has under consideration many other problems relating to the courses of study and the functions of the several institutions, and looking in a most promising way to a closer relationship among the institutions, and the co-ordination of their work in a greater degree. A record of the proceedings of this committee has been kept and may be examined at any one of the institutions or in the office of the Board.

CONCLUSION.

In conclusion it may be said that the Board appreciates both its responsibility and its opportunity. The change in government of the State's educational institutions was not decreed by the Legislature without a deep conviction in the public mind that a change was necessary. Not every member of this organization was originally in favor of this change, but after an opportunity to study from an inside viewpoint the questions involved, the necessity for closer co-ordination, a reduction of duplications, and the end of rivalry is clear to all. Iowa is the first State to attempt a solution of this co-ordination problem in anything like comprehensive fashion, but many another State feels the necessity of some such effort. It is no easy task which confronts the Board. It is one which calls for wisdom, courage and patience. The Board feels that the ends aimed at are just, and nothing in the nature of selfishness or false pride must be permitted to obscure them. The Board pledges itself to strive to justify the faith of the men who passed the law which called this organization into being.

ENDOWMENT FUND OF IOWA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS.

When the Finance Committee took charge of the Endowment Fund of the Iowa State College of Agriculture and Mechanic Arts on July 1, 1909, as provided by sections 16, 17 and 18, of chapter 170 of the Acts of the Thirty-third General Assembly, it stood as follows:

Farm mortgages	\$686,550.00
Cash in hands of Treasurer of State.....	139.97
Total	\$686,689.97

During the fiscal year there was added to this fund the sum of \$88.00 received from railroad damages, making the total amount of this fund at the date of this report \$686,777.97.

The movement of this fund during the fiscal year has been as follows:

Loans in force July 1, 1909.....	\$686,550.00
Loans repaid during the year.....	118,200.00
Balance	\$568,350.00
Loans made during the year.....	118,400.00
Loans in force June 30, 1910.....	\$686,750.00
Cash in hands of Treasurer of State.....	27.97
Total	\$686,777.97

In addition to this, loans amounting to \$88,200.00 have been renewed for periods ranging from two to ten years.

Almost all of these loans bear interest at the rate of five per cent.

All interest due at the date of this report is paid except on two loans. On these the interest is over two years in arrears, but it is now in process of settlement.

PER DIEM, MILEAGE AND EXPENSES.

From the organization of the Board to June 30, 1910, as paid, from appropriation under Section 10, Chapter 170, Laws of the Thirty-third General Assembly.

To Whom Paid—For What Purpose	Messages, Stenographer, Etc.	Per Diem	Mileage	Totals
J. H. Trewin, president.....	\$ 175.12	\$ 378.00	\$ 44.70	\$ 597.82
A. B. Funk.....		294.00	83.74	377.74
D. D. Murphy.....		392.00	176.12	568.12
Geo. T. Baker.....		180.00	73.54	253.54
Chas. R. Brenton.....		119.00	36.22	155.22
P. K. Holbrook.....		77.00	28.92	105.92
E. P. Schoenigen.....		299.00	137.62	436.62
T. D. Foster.....		140.00	47.00	187.00
Roger Leavitt.....		210.00	39.98	249.98
Totals	\$ 175.12	\$ 2,198.00	\$ 667.81	\$ 3,040.96

FINANCE COMMITTEE—SALARIES.

For the office of Finance Committee of the State Board of Education, from July 1, 1909, to June 30, 1910, inclusive, paid from appropriation under Section 10 of Chapter 170, Laws of the Thirty-third General Assembly.

To Whom Paid	For What Purpose	Amount
Members of Finance Committee—		
W. R. Boyd.....	Salary for one year.....	\$ 3,500.00
Thos. Lambert.....	Salary for one year.....	3,500.00
D. A. Emery.....	Salary for one year.....	3,500.00
Total		\$ 10,500.00

SALARIES—EMPLOYES.

For the office of Finance Committee of the Board of Education, from July 1, 1909, to June 30, 1910, inclusive. Paid from appropriation under Section 10, Chapter 170, Laws of the Thirty-third (general Assembly).

To Whom Paid	For What Purpose	Amount
J. W. Bowdish.....	Auditor and accountant, 9 months.....	\$ 1,350.00
Lida M. Erwin.....	Stenographer, 7 months.....	499.33
F. C. Ensign.....	Inspector of secondary schools, 4 months.....	733.32
Martha W. Gehl.....	Stenographer, extra.....	21.00
Kathryn Davis.....	Stenographer, extra.....	1.50
Miss Kelly.....	Stenographer, extra.....	5.00
J. P. Matthews.....	Stenographer, extra.....	30.00
John Christoferson.....	Stenographer, extra.....	3.50
Levi Woodruff.....	Stenographer, extra.....	3.00
Emma Blaise.....	Stenographer, extra.....	38.50
Sundry Items.....	Stenographers, extra.....	3.05
Total		\$ 2,688.50

TRAVELING EXPENSES—FINANCE COMMITTEE AND EMPLOYES.

For the Iowa State Board of Education from the organization of the Board to June 30, 1910, inclusive. Paid from appropriation under Section 10 of Chapter 170 of the Laws of the Thirty-third General Assembly.

Date	To Whom Paid—For What Purpose	Amount
1909	W. R. BOYD— May 18, Cedar Rapids to Cedar Falls, 1.17; Cedar Falls to Cedar Rapids, 1.17; Cedar Falls, Burr Hotel, D. 50; 26th, Cedar Rapids to Ames, 2.14; C. & N. W. diner, S. .85; 27th, Ames to Des Moines, .70, Des Moines, Chamberlain Hotel, S. ., .75; Elliott Hotel, L., 1.00; street car Ames, .10; 28th, Des Moines to Cedar Rapids, 2.31; Des Moines, Chamberlain Hotel, B. .30, D. .75, S. .75; street car, .20; June 30th, Cedar Rapids to Cedar Falls, 1.17; Cedar Falls to Cedar Rapids, 1.17; Cedar Falls, Burr Hotel, D., .50; stenographer, .75; July 1st, Cedar Rapids to Ames, 2.14; Ames to Des Moines, .70; Ames, College Hall, D., .30; Des Moines, Chamberlain Hotel, S. .85; street car, Ames, .20; 2d Des Moines to Iowa City, 2.41; Des Moines, Savery Hotel, L., 2.09; Chamberlain Hotel, B. .40; Rock Island diner, D., .50; Iowa City, Burkley Hotel, S. .50; street car, .10; 3d, Iowa City to Cedar Rapids, .65; Iowa City, Burkley Hotel, B., .50, D., .50, L., 1.00; stenographer, 1.90; 7th, Cedar Rapids to Iowa City, .65; Iowa City, Burkley Hotel, D., .50, S., .50, L., 1.00; 8th, Iowa City to Cedar Rapids, .65; Iowa City, Burkley Hotel, B., .50, D., .50; 9th, Cedar Rapids to Iowa City, .65; Iowa City, Burkley Hotel, L., 1.00; 10th, Iowa City to Cedar Rapids, .65; Burkley Hotel, Iowa City, B., .50; D., .50; 12th, Cedar Rapids to Ames, 2.14; Ames, Arlington Hotel, D., .50, depot cafe, S., .40; street car, .30; 13th, Ames, Arlington Hotel, B., .50, D., .50; street car, .20; 14th, Ames to Cedar Falls, 1.74; Ames, Arlington Hotel, B., .40; C. & N. W. diner, D., .85; Marshalltown, Pilgrim Hotel, S., .50; street car, .10; 15th, Cedar Falls to Cedar Rapids, 1.17; Cedar Falls, B., .50, D., .50, L., .50; street car, .20; 17th, Cedar Rapids to Iowa City, .65; Iowa City to Cedar Rapids, .65; lunch, Berkley restaurant, .40; 18th, Cedar Rapids to Des Moines, 2.84;	

TRAVELING EXPENSES—CONTINUED

Date	To Whom Paid—For What Purpose	Amount
	.51; B., Alumni Cafe, Ames, .25; D., Arlington Hotel, Ames, .50; S., Chamberlain, Des Moines, .75; L., Savery, Des Moines, 1.50; street car, Ames, .30; 18th, B., Des Moines, Savery, .35; D., Chamberlain, .65; L., Savery, 1.50; street car, .30; 19th, Des Moines to Ames, North-Western, .75; B., Hartford Cafe, Des Moines, .35; Depot Cafe, Ames, .35; S. and L., Arlington Hotel, Ames, 1.50; street car, Des Moines, .15, Ames, .10; 20th, Ames to Cedar Rapids, 2.14; Cedar Rapids to Marion, .12; B. and D., Ames, Arlington, 1.00; L., Daniels, Marion, .50; street car, Ames, .30; 21st, Marion to Sabula, .14; B., Marion lunch counter, .35; 21th, Sabula to Des Moines, 1.68; sleeper, Sabula to Des Moines, 1.50; 25th, at Des Moines, Hartford Cafe, B. and S., .50; Savery Cafe, D., .50; Savery, L., 1.20; street car, Des Moines, .30; 26th, 500 mile ticket on Ft. Dodge, Des Moines & Southern Ry., 7.00 (route Des Moines to Ames, one trip, 30 miles); Ames to Cedar Rapids, 2.14; B., Des Moines, Savery Cafe, .40; D., Alumni Cafe, Ames, .30; S. and L., Montrose, Cedar Rapids, 2.10; street car, Des Moines, .10, Ames, .05; 27th, coupon ticket, C. R. I. & P., Interurban, ten rides (regular rate .60), 5.00; Cedar Rapids to Iowa City, and return, two trips on above, Cedar Rapids to Sabula, 1.80; B., Montrose, Cedar Rapids, .50; D., Burkley, Iowa City, .50; 30th, Sabula to Cedar Rapids, 1.80; S. and L., Montrose, Cedar Rapids, 2.15; 31st, Cedar Rapids to Iowa City (3d trip); B., Montrose, Cedar Rapids, .50; S., restaurant, Lone Tree, .30; L., Burkley, Iowa City, 1.00	98.65

1900

D. A. EMERY—

May 27th, Ottumwa to Des Moines, 1.89; 28th, Des Moines to Ames, .70; Ames to Des Moines, .50; Hotel Elliott, Des Moines, L., 1.00; 29th, Des Moines to Ottumwa, 1.79; Chamberlain Hotel, Des Moines, B., .50; D., .50; S., .50; L., 1.00; car fare, .05; June 1st, postage, .10; telegraph, 1.25; 29th, Ottumwa to Cedar Rapids, 1.81; Montrose Hotel, Cedar Rapids, S., .30; cab, Ottumwa, .25; 30th, Cedar Rapids to Cedar Falls, 1.17; Cedar Falls to Cedar Rapids, 1.17; Montrose Hotel, Cedar Rapids, B., .50; S., .55; L., .50; Burr Hotel, Cedar Falls, Cedar checking grip Cedar Rapids, .10; July 1st, Cedar Rapids to Ames, 2.14; street car, Ames, .05; Ames to Des Moines, .70; street car, Des Moines, .30; Montrose Hotel, B., .25; L., 1.50; College, Ames, .50; D., .30; Chamberlain Hotel, Des Moines, S., .85; telephone Cedar Rapids, .05; 2d, street car, Des Moines, .40; Des Moines to Iowa City, 2.10; Chamberlain Hotel, Des Moines, L., 1.00; Park Hotel, Des Moines, L., 1.50; dining car, D., .50; 3d, Iowa City to Cedar Rapids, .65; Cedar Rapids to Ottumwa, 1.81; Burkley Hotel, Iowa City, B., .50; D., .50; L., 1.00; Montrose Hotel, Cedar Rapids, S., .65; cab, Ottumwa, .30; 6th, Ottumwa to South Amanna, 1.20; South Amanna to Cedar Rapids, .52; Cedar Rapids to Iowa City, .65; Paris Cafe, Cedar Rapids, S., .30; Burkley Hotel Iowa City, L., .60; cab, Ottumwa, .25; 7th, Burkley Hotel, Iowa City, B., .50; D., .50; S., .50; L., 1.00; 8th, Burkley Hotel, Iowa City, B., .50; D., .50; S., .50; L., 1.00; 9th, Burkley Hotel, Iowa City, B., .50; D., .50; S., .50; L., 1.00; 10th, Iowa City to Grinnell, 1.31; Grinnell to Given, .78; Given to Ottumwa, .40; Burkley Hotel, Iowa City, B., .50; D., .50; depot lunch counter, Grinnell, .10; 12th, Ottumwa to Des Moines, 1.79; 13th, Des Moines to Ames, .70; car fare, Ames, .15; Elliott Hotel, Des Moines, B., .25; L., 1.00; Arlington Hotel, Ames, D., .50; S., .50; 14th, car fare, Ames, .10; Ames to Marshalltown, .75; Marshalltown to Cedar Falls, .50; Arlington Hotel, Ames, .50; N. W. Dining car, D., .85; Pilgrim Hotel, Marshalltown, S., .50; 15th, car fare, Cedar Falls, .20; Cedar Falls to Cedar Rapids, 1.17; Cedar Rapids to Ottumwa hotel, Cedar Rapids, S., .50; 16th, Ottumwa to Des Moines, 1.79; car fare, Des Moines, .15; Chamberlain Hotel, Des Moines, D., .50; S., .75; telephone, .05; 20th, car fare, Des Moines, .30; Chamberlain cafe, B., .29; Evans cafe, D., .25; Chamberlain hotel, 1.50; 21st, car fare Des Moines, .05; Chamberlain cafe B., .25; S., .50; Hogan's restaurant, East Side, L., .85; Chamberlain hotel, 1.50; 22d, car fare, Des Moines, .19; Chamberlain cafe, B., .30; S., .50; D., .25; Chamberlain hotel, 1.50; 23d, car

TRAVELING EXPENSES—CONTINUED

Date	To Whom Paid—For What Purpose	Amount
	fare, Des Moines, .30; 34, Des Moines to Ottumwa, 1.80; Chamberlain cafe, B., .50; D., .50; D., .25; Chamberlain hotel, 1.30; 26th, Ottumwa to Des Moines, 1.79; cab Ottumwa, .35; 27th, car fare, Des Moines, .10; Chamberlain cafe, B., .30; D., .50; S., .65; Elliott hotel, L., 1.00; 28th, Des Moines to Ames, .70; car fare, Ames, .30; Ames to Des Moines, 1.80; Elliott cafe, Des Moines, B., .25; Arlington hotel, Ames, D., .50; 30, Chamberlain cafe, .65; Elliott hotel, 1.00; 29th, car fare, Des Moines, .30; Elliott cafe, B., .25; Chamberlain cafe, D., .50; S., .75; Elliott hotel, 1.00; 30th, Des Moines to Ottumwa, 1.80; Elliott hotel, Des Moines, 1.00; lunch counter, Oskaloosa, B., .15	92.32
	August 2, Ottumwa to South Amanna, C. M. & St. P., 1.29. South Amanna to Iowa City, C. R. I. & P., .60; Iowa City, Bon Ton cafe, S., 10; Burkley, L., 1.00; hack, South Amanna, .25; 3d, Iowa City, Burkley, B., .50; D., .50; S., .50; L., 1.00; 4th, Iowa City to Des Moines, C. R. I. & P., 2.41; Iowa City, Burkley, B., .50; Mrs. Sanders, D., .25; Des Moines, C. M. & St. P., L., 1.65; 5th, Des Moines to Ottumwa, C. B. & Q., 1.80; Des Moines, Elliott cafe, B., .35; Mrs. Willis, D., .25; S., .25; street car, Des Moines, .10; 9th, Ottumwa to Cedar Rapids, C. M. & St. P., 1.81; Cedar Rapids to Iowa City, Interurban, .65; Iowa City, Burkley, B., .50; D., .50; S., .50; L., 1.00; 10th, Iowa City to Cedar Rapids, Interurban, .65; Iowa City, Burkley, B., .50; Cedar Rapids, Montrose, D., .50; S., .65; L., 1.50; 11th, Cedar Rapids to Iowa City, Interurban, .50; Iowa City to Des Moines, C. R. I. & P., 2.41; Cedar Rapids, Montrose, B., .30; Iowa City, D., Burkley, .50; S., .50; Des Moines, Elliott, L., 1.00; 12th, Des Moines to Ottumwa, C. B. & Q., 1.80; Des Moines, Elliott, B., .50; Mrs. Willis, D., .25; S., .25; street car, Des Moines, .10; 16th, Ottumwa to Albia, C. B. & Q., .50; Albia to Des Moines, Wabash, 1.36; Des Moines to Campus, Interurban, .51; Ames, Y. M. C. A., 1.70; campus to Des Moines, .51; Ames, Y. M. C. A. cafe, B., .25; Arlington, D., .70; Des Moines, Chamberlain cafe, S., .75; Elliott, L., 1.00; street car, Ames, .10; 18th, Des Moines, Elliott cafe, B., .30; Mrs. Willis, D., .25; Elliott, L., 1.00; street, L., 1.00; street, L., 1.00; Des Moines, Evans cafe, B., .30; Chamberlain cafe, D., .50; Mrs. Willis, S., .25; Elliott, L., 1.00; street car, Des Moines, .20; 20th, Des Moines to Ottumwa, C. B. & Q., 1.80; Des Moines, Elliott cafe, B., .30; S., .55; Mrs. Willis, D., .25; street car Des Moines, .10; 24th, Ottumwa to Des Moines, C. R. I. & P., 1.75; Elliott hotel, Des Moines, L., 25; Saveroy street car Ottumwa, .10; 25th, Des Moines, Elliott cafe, B., .30; Savery Inn, D., .30; Chamberlain cafe, S., .75; Elliott hotel, L., 1.00; street car, Des Moines, .20; 26th, Des Moines to Marengo, C. R. I. & P., 1.80; Des Moines, Chamberlain cafe, B., .20; D., .30; on train S., .35; Marengo, Park hotel, L., .70; street car, Des Moines, .20; 27th, Marengo to Iowa City, C. R. I. & P., .61; Marengo, Park Hotel, B., .50; Iowa City, Burkley, D., .50; S., .50; L., 1.00; 28th, Iowa City to Des Moines, C. R. I. & P., 2.41; Des Moines to Ottumwa, C. R. I. & P., 1.80; dining car, C. R. I. & P., B. & St. Des Moines, C. R. I. & P., lunch counter, D., .35; street car Des Moines, .25; 29th, Ottumwa to South Amanna, C. M. & St. P., 1.29; South Amanna to Iowa City, C. R. I. & P., .50; Iowa City, Burkley, L., 1.00; hack South Amanna, .25; 31st, Iowa City, Burkley, B., .50; D., .50; S., .50; L., 1.00	66.33
1900	J. W. BOWDISH— Detroit 11, Des Moines to Iowa City, 2.41; D. on diner, .85; S. Burkley, Iowa City, .50; L., 1.00; 12th, Iowa City, Burkley, B., .50; D., .50; S., .50; L., 1.00; 13th, Iowa City, Burkley, B., .50; D., .50; S., .50; L., 1.00; 14th, Iowa City to Cedar Rapids, Interurban, .65; Ames, 2.14; Cedar Rapids to Ames, 2.14; Albia, B., .50; Ames, Arlington, L., .50; Burkley, Iowa City, B., .50; D., .50; 15th, Ames, Arlington, B., .50; Y. M. C. A., D., .30; S., .29; .25; College, Ames, 1.25; Des Moines, Interurban, .70; Ames, Y. M. C. A., B., .25; D., .30; 16th, Des Moines to Ames, .70; Ames, Y. M. C. A., S., .50; L., 1.00; 20th, Des Moines to Ames, .70; Ames, Y. M. C. A., B., .25; D., .30; 21st, Ames, Arlington, B., .50; Y. M. C. A., D., .30; S., .25; L., .75; street car, .05; 22d, Ames, Y. M. C. A.,	

TRAVELING EXPENSES—CONTINUED

Date	To Whom Paid—For What Purpose	Amount
	B. .25, D. .25, S. .25, L. .75; 23d, Ames to Des Moines, interurban, .70, Ames, Y. M. C. A., B. .25, D. .25; 26th, Des Moines to Ames, .70, Ames, Y. M. C. A., D. .25, S. .25, L. 1.00; 27th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 28th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 29th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 30th, Ames to Des Moines, Interurban, .55, Ames, Y. M. C. A., B. .25, D. .25, street car, .05	32.80
	November 1, Des Moines to Iowa City, C. R. I. & P., 2.41, lunch on train, .25, Iowa City, Burkley, L. 1.00; 2d, Iowa City, Burkley, B. .50, D. .50, S. .50, L., 1.00; 3d, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 4th, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 5th, Iowa City, Burkley B. .50, D. .50, S. .50, L. 1.00; 6th, Iowa City to Des Moines, C. R. I. & P., 2.41, Iowa City, Burkley, B. .50, D. .50; 9th, Des Moines to Cedar Falls, Great Western, 2.15, D. on train, .75, Cedar Falls, Burr hotel, S. .50, L. .50, street car, Cedar Falls, .15; 10th, Cedar Falls, Burr hotel, B. .50, D. .50, S. .50, L. .50, street car, Cedar Falls, .20; 11th, Cedar Falls to Cedar Rapids, C. R. I. & P., 1.17, Cedar Falls, Burr hotel, B. .50, D. .50, Cedar Rapids, Bismark, S. .25, street car, Cedar Falls, .10; 12th, Cedar Rapids to Iowa City, Interurban, .65, Iowa City, Burkley, D. .50, S. .50, L. .50; 13th, Iowa City to Des Moines, C. R. I. & P., 2.41, Iowa City, Burkley, B. .50, D. .50; 22d, Des Moines to Iowa City, C. R. I. & P., 2.41, Iowa City, Burkley, D. .50, S. .50, L. 1.00; 23d, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 24th, Iowa City to Des Moines, C. R. I. & P., 2.41, Iowa City, Burkley, B. .50, D. .50	41.82
	Dec. 1, Des Moines to Ames, Interurban, .70, Ames, Y. M. C. A. D. .25, S. .25, L. .75; 2d, Ames, Y. M. C. A., B. .25, S. .25, L. .75; 3d, Ames, B. .25, D. .25, S. .25, L. .75, Y. M. C. A.; 4th, Ames, Y. M. C. A., B. .25, D. .10, lunch counter, college campus store, R. R. fare, Ames to Des Moines, Interurban, .55	5.60
1910	January 2, Des Moines to Ames, C. & N. W. Ry., .74, Ames, Arlington hotel, S. .50, L. .50; 3d, Ames Arlington hotel, B. .50, Y. M. C. A., D. .25, S. .25, L. .75, street car, .05; 4th, Ames, Y. M. C. A., B. .25, R R fare Ames to Des Moines, Interurban, from Campus, .70	4.49
	February 8, Des Moines to Iowa City, 2.41, D. restaurant, Olympia, .30, Burkley, Iowa City, S. .50, L. 1.00; 9th, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 10th, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 11th, Iowa City, to Cedar Rapids and return, Interurban, 1.15, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 12th, Iowa City, Burkley, B. .50, restaurant near depot, lunch, .30, Iowa City to Des Moines, 2.41	16.07
	March 8th, Des Moines to Ames, .70, Ames, Y. M. C. A., D. .25, Arlington, S. .50, L. .50, street car .05; 9th, Ames, Arlington, B. .50, Y. M. C. A., D. .25, S. .25, L. .75, street car .05; 10th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 11th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, Arlington, L. .50, street car, .05; 12th, Ames, Arlington, B. .50, Ames to Des Moines, Interurban, .55; 14th, Des Moines to Ames, .70, Ames, Y. M. C. A., D. .25, Arlington, S. .50, L. .50, street car, .05; 15th, Ames, Arlington, B. .50, Y. M. C. A., D. .25, S. .25, L. .75, street car, .05; 16th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 17th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 18th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 19th, Ames to Des Moines, .55, Ames, Y. M. C. A., B. .25, D. .25; 21st, Des Moines to Ames, .70, Ames, Y. M. C. A., D. .25, S. .25, L. .75; 22d, Ames, Y. M. C. A., B. .25, L. .75, Arlington, S. .50, street car, .10, D. .50, Arlington; 23d, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 24th, Ames, Y. M. C. A., B. .25, S. .25, L. .75, Arlington, D. .50, street car, .10; 25th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 26th, Ames to Des Moines, .50, Ames, Y. M. C. A., B. .25, D. .25; 29th, Des Moines to Ames, .70, Ames, Y. M. C. A., D. .25, S. .25, L. .75; 30th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 31st, Ames, Y. M. C. A., B. .25, D. .25, L. .75, Arlington, S. .50, street car, .10	32.20
	April 1, Ames, Y. M. C. A., B. .25, D. .25, L. .75, Arlington, S. .50, street car .10; 2d, Ames, Y. M. C. A., B. .25, D. .25, Ames to Des Moines, Interurban, .50; 5th, Des Moines to Ames,	

TRAVELING EXPENSES—CONTINUED.

Date	To Whom Paid—For What Purpose	Amount
	Interurban, .70, Ames, Y. M. C. A. D. .25, L. .75, Arlington, S. .50; 6th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 7th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 8th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 9th, Ames, Y. M. C. A., B. .25, D. .25, Ames to Des Moines, Interurban, .50; 14th, Des Moines to Ames, Interurban, .70, Ames, Y. M. C. A., D. .25, S. .25, L. .75; 15th, Ames, Y. M. C. A., B. .25, D. .25, S. .25, L. .75; 16th, Ames, Y. M. C. A., B. .25, D. .25, Ames to Des Moines, Interurban, .50; 28th, Des Moines to Iowa City, 2.41; Iowa City, Olympia restaurant, S. .35, West hotel, L. .50; 29th, Iowa City, West hotel, B. .50, D. .50, S. .50, L. .50; 30th, Iowa City, West hotel, B. .50, D. .50, S. .50, L. .50; 30th, Iowa City, West hotel, B. .50, Iowa City to Cedar Rapids, Interurban, .65. May 5, Cedar Rapids to Des Moines, returned from Iowa City via, Cedar Rapids, visited W. R. Boyd in hospital, with friends, no expense; Ames, Depot restaurant, S. .25; June 2, Des Moines to Iowa City (work on University loan records), 2.41, Iowa City, Burkley, S. .50, L. 1.00; 3d, Iowa City, Burkley, B. .50, D. .50, S. .50, L. 1.00; 4th, Iowa City, Burkley, B. .50, D. .50, Iowa City to Des Moines, 2.41	21.51
1910	LIDA M. ERWIN— March 1, Des Moines to Iowa City, C. R. I. & P., 2.41, Iowa City to Cedar Rapids, Interurban, .65, D., C. R. I. & P. diner, .70; 7th, Cedar Rapids to Des Moines, C. & N. W., 2.88, Ames, R. R. lunch room, D. .40	12.95
		7.04

SUPPLIES DRAWN FROM SUPPLY DEPARTMENT.

Section 165, Code of 1897.

Date	Paper	Envelopes	Pencils, pens, etc.	Baskets, brushes, brooms	Books	Rubber bands	Paste, ink, etc.	Sundries, Soap, etc.	Postage	Totals
1909										
Third quarter	\$ 4.83	\$ 1.41	\$ 2.36	\$.67	\$.48	\$ 2.31	\$ 1.19	\$ 9.01	\$ 54.00	\$ 76.26
Fourth quarter	12.72		1.28	.08			2.11	5.44	22.00	43.63
1910										
First quarter	9.50	1.72	.54		.35		.41	3.51	80.00	96.06
Second quarter	2.16						.23	1.67	80.00	81.03
Total	\$29.21	\$ 3.13	\$ 4.18	\$.75	\$.83	\$ 2.31	\$ 3.97	\$19.63	\$ 236.00	\$ 300.01

PRINTING BY STATE PRINTER.

Section 121, Code 1897.

Date	For What Purpose	Amount
1909		
September 7	4,000 envelopes	\$ 18.00
October 15	200 press notice enclosure, composition, \$2.98; press work, \$2.00	4.93
October 15	200 circular letters	2.30
December 2	200 mortgage releases	2.30
December 2	1,000 requisitions on Auditor of State	8.70
December 2	100 requisitions on Auditor of State	2.00
December 2	500 mileage and per diem blanks	6.40
December 13	100 requisitions on Auditor (University)	2.00
December 13	100 requisitions on Auditor (Teachers' College)	2.00
December 13	3,000 envelopes	4.00
December 13	5,000 letter-heads	6.50
December 28	500 mortgages	3.20
December 28	500 notes	6.40
December 28	500 extension agreements	3.20
1910		
January 8	1,000 loan applications	3.70
January 11	500 mortgage blanks University	3.20
January 11	500 notes, University	6.40
February 2	1,500 question blanks, Instructor's reports	4.20
February 2	1,500 envelopes, No. 10	2.75
February 2	1,500 envelopes, No. 9	2.75
March 28	1,500 envelopes, inspector	2.75
March 28	2,500 letter-heads, inspector	4.00
April 17	10,000 letter-heads	12.75
April 17	5,000 envelopes	6.50
April 17	1,000 envelopes for president	1.50
May 7	500 envelopes	1.50
May 10	500 envelopes	1.50
Total		\$ 125.48

BINDING BY STATE BINDER.

Section 121, Code 1897.

Date	For What Purpose	Amount
1909		
December 15	Ruling 500 mileage and per diem blanks	\$ 2.35

EXPRESS, CARTAGE AND DRAYAGE.

Section 2, Chapter 241, and Section 10, Chapter 170, Laws of the Thirty-third General Assembly.

Date	For What Purpose	Amount
1910		
March 23	Bolton Transfer Co.	\$ 1.00
March 29	American Express Company	1.75
Total		\$ 3.35

FURNITURE AND FIXTURES

Code Section 165 and Section 8, Chapter 170, Laws of the Thirty-Third General Assembly.

Date	For What Purpose	Amount
1909		
July 21	1 Underwood typewriter	\$ 83.00
August 14	1 Postage scale	2.25
August 14	1 Typewriter desk	30.00
August 25	1 Leather couch	37.50
August 25	3 Tables	85.00
September 22	3 Office chairs	10.20
September 22	18 Office chairs	120.00
September 22	3 Roll top desks	183.00
October 9	3 Revolving bookcases	36.00
October 22	1 Dictionary	10.50
October 22	1 Typewriter chair	4.50
October 2	Steel filing cases	212.30
December 1	1 Typewriter case	30.00
December 1	1 Typewriter chair	4.50
1910		
January 15	1 Underwood typewriter	70.28
March 15	Beck file	55.53
Total		\$ 959.54

Stock used by State Binder and State Printer.

Section 165, Code of 1897.

Date	For What Purpose	Amount
1909		
July 26	Letter-heads	\$ 5.04
August 2	Envelopes	1.37
September 2	Envelopes	4.95
October 5	Circular letters .....	.25
October 6	Press sheet .....	.12
November 24	Releases of mortgage .....	.55
November 30	Claim blanks .....	.81
December 2	Envelopes	3.84
December 11	Letter-heads	4.72
December 13	Extension agreements .....	.84
December 17	Notes, Agricultural College	1.68
December 18	Mortgages, Agricultural College .....	.84
December 31	Loan applications	1.63
1910		
January 6	Mortgages, University .....	.84
January 7	Notes, University	1.68
January 18	Envelopes	4.86
January 21	Instructor's question blanks	2.16
March 16	Envelopes	1.67
March 17	Letter-heads	2.72
April 13	Letter-heads	11.70
April 15	Envelopes	5.55
April 15	Envelopes	1.11
April 29	Envelopes .....	.61
May 6	Envelopes .....	.69
Total		\$ 60.31

TELEPHONE AND CONTRACT.

Section 164, Code of 1897.

To Whom Paid--For What Purpose	Amount
Iowa Telephone Company, telephone tolls	\$ 41.25
Iowa Telephone Company, one instrument ten months	20.00
Total	\$ 64.25

OFFICE SUPPLIES, EXPENSES, ETC.

Section 4, Chapter 118, Laws of the Twenty-Seventh General Assembly, and Code Section 165, and Section 8, Chapter 170, Laws of the Thirty-third General Assembly.

Date	To Whom Paid	Amount
1909		
April 1	Underwood Typewriter Co., rental of typewriter	\$ 1.00
November 16	Baker-Trisler Co., 16 sets press board guides, \$31.86; 100 guides blank, \$4.78; 500 folders, \$5.35; 400 folders, \$4.28; 100 folders, \$.60; 1,000 cards, \$3.33; 8 sets guides, \$3.55; 500 cards, \$.64; 2 index books, \$1.60; minute record book, \$17.00; 1 index, \$1.70; 4 lines marking, \$.60; 1 ledger, \$.64; minute record book, \$17.50	93.50
1910		
June 15	Plew & Motter Co., 1 binder, 1 index, 270 leaves, 1 guide sheet, \$13.40; 1 transfer, \$2.35; 1 holder, \$3.70; 500 plain sheets, \$2.75	22.20
May 31	Des Moines Rubber Stamp Works, 3 stamps, \$1.50; 1 can ink, \$.15; 1 pad, \$.20	1.85
July 1	1 Superior dater	1.50
Total		\$ 120.05

RECAPITULATION.

For the office of the Board of Education from commencement of service in 1909 until June 30th, 1910.

BOARD OF EDUCATION—Expenses.

Per Diem	\$2,198.00
Mileage	667.84
Stenographer, Messages, Etc., President's Office	175.12
Total Board of Education	\$3,040.96

FINANCE COMMITTEE—Expenses.

Salaries.	
Finance Committee	10,500.00
Employees	2,688.80
	\$13,188.80

Traveling Expenses.

Finance Committee*	531.48
Accountant	167.44
Stenographer	7.04

705.96

*Bills for traveling expenses of the members of the Finance Committee from September 1, 1909, to June 30, 1910, amounting to \$2,026.18 have been filed with the Executive Council, but had not been acted upon by it at the date of this report.

RECAPITULATION—CONTINUED

Office Supplies.

Supplies Drawn.....	300.01
Office Supplies & Expense.....	120.05
Furniture and Fixtures.....	989.54

1,409.60

State Printing and Binding.

Printing by State Printer.....	125.48
Binding by State Binder.....	2.25

127.73

Sundry Expenses.

Express and Drayage.....	3.35
Telephone	64.25
Stock used by State Printer and Binder.....	60.31

127.91

Total Finance Committee.....	15,560.00
Grand Total.....	\$18,600.96

THE STATE UNIVERSITY OF IOWA

IOWA CITY, IOWA.

PRESIDENT'S REPORT.

September 26, 1910.

To the Honorable Board of Education.

GENTLEMEN: In accordance with the Code, section 2641, I have the honor herewith to submit the President's report for the biennium from July 1, 1908, to July 1, 1910. The report consists of my annual report to the Board of Regents June 15, 1909, and to the State Board of Education June 15, 1910, together with proposed requests for legislative appropriations for the biennium 1911-13, resting upon the requests of the heads of the departments of administration and instruction.

Respectfully submitted,

GEORGE E. MAC LEAN.

June 15, 1909.

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

Gentlemen:—I have the honor to present my tenth annual report to the Board of Regents for the year from July 1, 1908, to June 30, 1909. Excerpts from the reports of the heads of departments of administration and instruction are appended and made parts of the report.

ATTENDANCE.

For the fifth year in succession the University has had the largest attendance in its history, having increased from 2315 to 2472, exclusive of duplicates.

1904.....	1560
1905.....	1815
1906.....	2072
1907.....	2315
1908.....	2472

The significance of this increased attendance is not in the numbers, which are not relatively large when compared with institutions that have entered into a competition for numbers, but is a healthful, steady increase due to good work done and a wider recognition of the better buildings and equipment. The constant struggle, especially since 1902, of the Uni-

versity to maintain its standards by scrupulous administration, and its advance of standards of admission and graduation in all colleges, give the greatest significance to the increase in attendance. The schools and students seeking the best have deployed the flower of the youth to us in part because of this advance of standards. The quality of the preparation of the students and of their work in the institution is a subject of general congratulation on the part of the different departments.

The aim of the University has been to be a comprehensive compact university of the highest standards, state and American. Election of the University to membership in the Association of American Universities, granted last January, was accepted as a well deserved token of appreciation of our aims by a national and impartial body. We shall hope as one of these twenty-two leading, and thoroughly representative American universities, to continue to be standard bearers.

The continued increase in the attendance of women from 800 in 1907-8 to 872 in 1908-9, a percentage of nine per cent increase, as over against a percentage of 6.78 per cent of total increase in the institution, should not be alarming to some reactionaries against coeducation. We count it as normal and encouraging, the number of women in the institution being scarcely more than one third of the total attendance. The prophecy that the College of Liberal Arts would become effeminized is not likely to become true in the light of the number of men keeping up with the number of women in this college for the last four years, so that they are practically equal in number. In the Graduate College it may be significant that the men outnumber the women—121 men, 102 women.

LEGISLATIVE ACTION.

In order to continue progress in standards and to meet the demands of the increasing attendance, the regents stressed in their appeal to the Thirty-third General Assembly the additional appropriation for the support fund. Approaching the Assembly with a record of prosperity heretofore unsurpassed in the institution, it was fondly hoped that the request in this particular would be granted without diminution. The cut of the \$92,500 additional asked on the ground that the income of the state was not sufficient at this time to meet the many just demands made upon the legislature, was a cause for great disappointment and greatly embarrassed the regents in making the budget for 1909-10. Wisely, however, the intention expressed by the Board to the Legislature to approximate a better scale of salaries, was held to. As a first fruit, we are enabled to retain for the most part the tried heads of departments, some of whom we were in great danger of losing. We suffer from the resignation of a number of our most promising young instructors, while the slight increases given to this group have enabled us to hold others. The general unanimity and good feeling in the staff of instruction referred to by various deans in their report will doubtless enable us to hold the prow of the institution upstream until the next General Assembly can remedy matters. The explicit endorsement by the legislative committees of the work of the Summer Session, of the School of Education, and University

Extension despite the failure to make specific appropriation for these purposes is a commendation of the state wide activities of the University. The introduction of a bill independent of the University for an appropriation for University extension leads us to expect a more substantial ratification of the fundamental policy of the University in the service of the public welfare outside as well as within its gates.

BUILDINGS.

With unexampled promptness the contractors, Rowson and Son, completed the erection of the extension to the College of Applied Science, so that the building was opened for use in the autumn. This gives much needed relief to that college.

After two months delay beyond the ample period given in the contract, the President's House was so far finished that he moved in the first of March. The house has already shown its fitness and usefulness in the convenience afforded in the receptions to faculties and students, and its adaptability in offering Iowa hospitality to guests of the state.

The completion of the walls of the College of Law, due to the expeditious work of the contractors, gives an opportunity to see how substantial and beautiful the building will be. It leads to the anticipation that this college, which has waited so patiently, may have relief and enter upon a new era the coming year. The departments of administration and some other crowded departments in the College of Liberal Arts may well hope to profit by the removal of the College of Law to its new quarters.

Despite the steady income from the millage tax for buildings, the pressure for room continues unabated. The new buildings are scarcely opened before they are found too small. The College of Liberal Arts is in great need despite the addition of the magnificent halls of Liberal Arts and Natural Science. The Physics Building, a portion of which was ordered by the Board of Regents two years ago and authorized by the Thirty-second General Assembly, is a crying need, as are also the shops, the extension of the hospital, the woman's building, the plans of which were presented to the last Assembly for their approval. A new and enlarged chemical laboratory and a gymnasium for both men and women, urged in the report of a committee of the Regents, are imperatively needed. The temporary housing of the library, crowding the department of zoology, makes more evident than ever the demand for a library building.

The extension and the increase of the millage tax for buildings, or in lieu of the increase of that tax, the understanding that there must be special appropriations, particularly for buildings like the woman's building, is self-evident. The satisfaction in the University and the commendation on the part of all visitors for the general plan and architecture of the new buildings, and the extension and improvement of the campus, give a feeling that the continuation of the building era of the University is assured.

ALUMNI BUREAU.

The alumni under the leadership of the president, Mr. James B. Weaver, Jr., have lent an impetus to the University. The students have become

conscious of the interest of the alumni through the visits and addresses of the president and members of the Alumni Bureau, and through the increasing co-operation of the alumni throughout the state. The County Clubs, to which the students have given attention for several years, in their rallies, most of them at the time of the Christmas holidays, have made organizations with promise of permanency in not less than 70 counties. The clubs in several of the adjacent states have become more effective. Incidents like the University Dinner in January, where the students and faculty with alumni sit down together, the projected "Commencement Frolic" springing from the co-operation of the Greater University committee and the Alumni Bureau, are significant of the rising tide of a common university spirit. The recommendation of the deans and University Senate that the office of the alumni secretary be made a co-ordinating point for a bureau of recommendations for our graduates is a natural point of development bringing us into line with what has already been established by the greater universities.

PUBLICATIONS.

The list of printed contributions by members of the staff of instruction—13 books and 79 pamphlets and articles—are figures similar to those of last year, and no mean note of continued, healthful University development.

HIGH SCHOOL INSPECTORSHIP.

The original and integral relationship of the University to the public school system led, as in other states, as fast as high schools developed to some form of certificate or accrediting system. The secondary school men naturally and early made calls for this recognition and in various ways since 1873 something has been done in this field at the University. The work has been primarily for the benefit of the entire school system. Not only the public but also the private schools have enjoyed freely the benefits. The present inspector has been successful, having had a peculiarly happy preparation for his work, a graduate of the State Normal and of the University, a practical secondary school man in Iowa, and a student of education. His work has been done impartially for the benefit of all institutions within the state and along the lines of well established principles and practices in this and the other states of the middle West.

The system of accrediting and inspecting schools developed especially in this and other great states in the middle West and established in various European countries in the interest of maintaining standards and for the convenience of students migrating among the states, has been reinforced by the North Central Association of Colleges and Secondary Schools. This association is now one of similar associations for the great districts in the United States, like those in the New England states, the Middle states, the Southern states. President Seerley and other leading educators in colleges and high schools in Iowa have long been active members of this association. The association has become a model association of its kind, purely voluntary, and stimulating education by the presentation solely of educational standards wholly free from

political, local, or financial influences. Mr. Ensign, by his integrity, ability, and fidelity, almost immediately gained recognition on the board of high school inspectors of this association. I therefore call your attention especially to his report.

The deans of the Colleges of Liberal Arts and of Applied Science, troubled by the imperfect preparation of students in certain subjects, charge the fault to the system of accrediting, which however, would be but one factor among several. There are imperfections as in all systems, though studies made have shown a larger ratio of poor results with the old individual examination system than with the accrediting or institutional system. The deans are right as regards the fact of improper preparation, and in my opinion the remedy lies in supplementing the present system of inspection by an examination and compilation of the records of graduates of secondary schools in the first semester or year of their work in the colleges they enter. This remedy has already been proposed by the National Conference Committee on Standards of Colleges and Secondary Schools, and has been favorably received by authorities in our University and in this state. I trust the regents will give us the clerical support necessary for this additional task.

VISITATION OF STANDARD COLLEGES.

The closer acquaintance and the substitution of co-operation for competition among all the educational institutions, and particularly within the state, is a sign of the times. With the evolution of the University out of its earlier collegiate condition, the Graduate College and even the professional schools advancing to more or less of collegiate preparation, have clearly crowned or complemented the colleges of the state as earlier they did the high schools.

By the courtesy of the colleges, the dean of the Graduate College has visited most of the principal colleges of the state. The welcome given him and the reports as to the inspiration for advanced and research work given to the students in these colleges portend good things for the colleges and for the common cause of higher and highest education in Iowa. The way to this closer inter-relating of the colleges and University, and the renewed emphasis given to research work was prepared by the wise action of this board establishing Iowa scholarships in standard colleges of the state.

It may not be inappropriate here to mention that in our desire to elevate research within the state we are the better prepared for such national and international call for research as comes in the contributions sought from Professor Nutting in working up zoological material collected by the Siboga expedition of the Dutch government. This good work is furthered also by a grant from the Elizabeth Thompson Science Fund. So well known to you are the contributions of several of the men in the faculty to research in the interests of the state, which have made returns even in dollars and cents, I shall not detain you to enumerate them.

STUDENT ACTIVITIES.

In the field of student activities the Forensic League has justified itself and the self sacrifice of the parent societies, the Zetagathian and Irving, in the victories in debate, notably over Minnesota and Wisconsin, and the general high plane of debating within and without the University. The High School Debating League naturally is stimulated by such good work at this center.

In oratory also a fair record has been made. The dramatic organizations have been noticeably active. When we add to the devotion to story writing the interest in the drama, it is suggestive that the tide of literary life is running parallel to that of science in this as in other institutions.

RELIGIOUS EDUCATION.

The formation of the Iowa City committee on religious education and the election of studies in this field by upwards of forty students, has been observed far and near. The first edition of the bulletin of religious education has been exhausted. Not only the National Religious Education Association is watching the matter with interest, but the authorities of many of the denominations and churches are considering the subject with favor. It is clear that not only is there a demand for religious education in state universities, but there is a positive way in which it may be conducted without interfering with religious freedom or bringing in sectarianism or improperly relating church and state.

GIFTS.

The University has come into possession of the largest benefaction thus far made in its history, the bequest of Mrs. Martha W. Ranney, amounting in round numbers to \$100,000. The Mark Ranney Memorial Library, consisting of some 3,000 volumes devoted to work on fine arts or works illustrating fine binding, has been opened in accordance with the terms of the bequest.

Another estimable woman, Mrs. Helen J. Gifford of Davenport, is the author of a bequest for the hospital giving us about \$8,700, and possibly much more in the future.

Mrs. A. N. Currier and her children, Mrs. Helen Currier Cook and Mr. Albert Moore Currier, are presenting a collection of memorabilia and publications of the University, to be known as the Amos Noyes Currier collection, which is almost absolutely complete from the beginning of the University's history, a unique and increasingly useful gift.

General Richard Hoxie has tendered the gift of his library of engineering and military books which will be most timely.

These notable gifts and bequests succeeding those of the last few years give promise of the hope hitherto expressed that the munificence of the citizens of the state would supplement the bounty of the state, as has been true of university history in Europe, and is becoming increasingly true in state as well as private universities in the United States.

CARNEGIE FOUNDATION.

The action of the Legislature and Governor, approving the request of the regents that the University be put upon the accepted list of institutions by the Carnegie Foundation since Mr. Carnegie had increased his benefaction to include state universities, has been presented. The Foundation has not up to this moment acted upon the request, but has granted the following special allowances among others that the regents had asked.

Mrs. Celia Moore Currier, widow of the late Professor Currier, a retiring allowance of \$820.

Professor S. B. Sloan, disability allowance for one year of \$900.

Professor Isaac A. Loos, disability allowance for one year of \$1500.

Professor George T. W. Patrick, continuation for one year of a disability allowance of \$1500.

IOWA CITY.

The rapid improvement made in Iowa City in its development of the park system, paving and beautifying of its streets, in the vigorous enforcement of law, in the installation in progress of a new filtration system for the water supply, in the activities of the Woman's Improvement League, and the building and beautifying of its churches and their increased attention to the students, in co-operation with the University in religious and moral movements, deserve more than passing mention.

THANKS TO THE REGENTS.

In concluding the last report I can make to the present Board, permit me to congratulate you upon the fruition of policies that you have consistently pursued and that you originated in large part before I became your servant. I believe that these policies have inaugurated an epoch that will not be forgotten in the history of the University, and that will be appreciated more and more as time goes on. From the bottom of my heart I thank you for personal and official courtesy and support.

Very respectfully submitted,
GEORGE E. MACLEAN.

The State University of Iowa

IOWA CITY, IOWA

ANNUAL REPORT OF THE PRESIDENT OF
THE UNIVERSITY TO THE STATE
BOARD OF EDUCATION

1909-1910

THE STATE UNIVERSITY OF IOWA

IOWA CITY, IOWA.

ANNUAL REPORT OF THE PRESIDENT OF THE UNIVERSITY
TO THE
STATE BOARD OF EDUCATION
1909-1910.

June 15, 1910.

To the Board of Education,

Gentlemen: I have the honor to present my eleventh annual report and to make a part of it excerpts from the reports of the heads of the administrative and teaching departments.

TRANSITIONAL YEAR.

The year has been one of transition in government from the old Board of Regents to that of the Board of Education and naturally has been one of waiting rather than one of aggression. The retiring Board of Regents in order to leave the hands of the new Board as free as possible inaugurated no new measures and endeavored to create a small reserve fund for the benefit of the new board. On every side there are expressions of high appreciation of the services and personelle of the retiring Board, appreciation which will increase with the passing of the years.

The incoming Board, taking office July 1st has been met with a spirit of loyalty. Their early declaration that they would sustain what was established and that they desired to become familiar with the institutions before inaugurating their policies gave assurance of their wisdom. The decision to erect a Physics building and the wing to the hospital for which provision had been made by the former Board of Regents and legislature insured continuity of the building policies. The immediate action by which the new shops have been completed within the year, and the strengthening of the School of Education gave assurance of the continuity of the educational policies which characterize the best modern and particularly state universities.

A STANDARD UNIVERSITY.

The second important feature of the year has been that of the recognition of our standards and the raising of standards. For the first time the University has sat as a member of the Association of American Universities. The increased standards of admission to the College of Medicine requiring one year of Liberal Arts work, the abolition of

probationary admission to the College of Liberal Arts of graduates of three year high schools, ordained by the Board of Regents were endorsed by the new Board and an impetus given to strengthen at every point the standards of admission and graduation. Two years of Liberal Arts work is required this season for admission to the College of Medicine and the College of Homeopathic Medicine. The details are given in the report of the University Examiner which follows:

"Heretofore the standards of admission to the several colleges of the University have not been uniform from the quantitative standpoint, nor have they been quite uniform from the qualitative standpoint if it may be assumed that preparatory work done in accredited secondary schools is on the whole superior to preparatory work done in unaccredited secondary schools.

"While it is still true that the standards of admission to the several colleges are not uniform from the quantitative viewpoint very much progress has been made during the last few months in the direction of uniformity from the qualitative standpoint, since the faculties of the Colleges of Liberal Arts, Law, Dentistry and Applied Science have all adopted the regulation that after this Commencement students presenting credentials from unaccredited schools shall be required to pass entrance examinations for half of the number of acceptable credits reported in their certificates in subjects to be selected by the University Examiner at the time the examination is given and irrespective of the choice of the applicant for admission, these subjects to represent each of the main groups of study reported in the certificate,—such as Latin, English, history, mathematics, science.

"The requirements for admission to certain colleges of the University have been increased in amount as compared with the requirements of last year, as follows:

1. The College of Medicine from one year of college work including a minimum of:

- a. 4 semester hours in a foreign language (either ancient or modern).
- b. 4 semester hours in physics.
- c. 4 semester hours in chemistry.
- d. 4 semester hours in biology (either vegetable or animal biology, or both together);

these amounts being specified as a definition of a year's work in each of these four subjects; to two full years of college work including a minimum of:

- a. A modern foreign language, 6 semester hours, a full year's work.
- b. Physics, 6 semester hours, a full year's work.
- c. Chemistry, 10 semester hours, a full year's work.
- d. Animal biology, 6 semester hours, a full year's work.

2. "The College of Homeopathic Medicine from four years of accredited high school work to two full years of college work exactly as in the case of the College of Medicine.

3. "The College of Dentistry, as stated above, from four years of high school work in an accredited or unaccredited school, to four years of high school work in an accredited school.

4. "The College of Pharmacy, in the case of the Practitioner's Course, from merely an eight-year elementary school course to a minimum of one full year of high school work, in an accredited or unaccredited school.

"It may be added that whereas the secondary school portion of the requirement for admission to the College of Medicine heretofore included a minimum of one year of work in Latin, hereafter at least two years of Latin must be presented; except that four full years of modern language, either four years in one modern language or two years in each of two modern languages, may be accepted in lieu of the second year's work in Latin; every applicant for admission to the College of Medicine being required to show a knowledge of at least the elements of Latin grammar.

"The standards of admission to all of these colleges while not uniform with reference to the amount of preparatory work required are uniform in the respect that the same standard of judgment as to the acceptability of any entrance credit in any subject of study, and as to any entrance examinations which may be given, is applied for all the colleges alike here."

CORRELATION OF INSTITUTIONS.

The new Board in the furtherance of one of the policies that called for its creation, that of correlating the University, the College of Agriculture and Mechanic Arts, and the State Teachers' College, found a ready response upon the part of the University to the call to appoint five representatives of the faculty to meet with five representatives from each of the other institutions in a conference committee of fifteen. The University committee represented the Liberal Arts College through Dean Wilcox, the Law College through Dean Gregory, the Graduate College through Dean Seashore, the College of Applied Science through Dean Raymond, and the common interests of the other colleges through the University Examiner, Professor Dorcas. The University Senate has adopted without amendment the recommendations of the committee of fifteen for a common system of standards and accrediting secondary schools.

The appointment by the Board of Education of the University High School Inspector and Professor of Education, as the Board's Inspector for the three institutions and the establishment by the Board of Education of a professorial board of three, one from each of the institutions, on secondary school relations, and the appointment as the University's representative of Professor Dorcas, meet with general approval at the University.

THE UNIVERSITY AS CONVENTION CENTER.

A greater number than ever before of learned societies have met at the University in recognition of this as a scholastic center. The following societies have met here during the University year; The Archaeo-

logical Institute of Iowa, The Central Division of the Modern Language Association of America, Iowa Society of Engineers, The Western Philosophical Association, The North Central Section of the American Psychological Association and Teachers of Psychology in Iowa, The American Society of Zoologists (Central Branch), and The Mississippi Valley Historical Association.

CHANGES IN STAFF OF INSTRUCTION.

The premature and pathetic deaths of Professor Lawrence Byers of the College of Law, and Professor Henry E. Gordon of the chair of Public Speaking bereft the staff of instruction at the very beginning of the year of two valuable members.

The insufficient appropriation of the last legislature making it impossible to pay proper salaries caused so many resignations in addition to those coming in the natural course of events that there were fifty-three new appointees. The natural alarm felt on account of so many changes has been allayed by the excellence of the service of the new men. It is hoped that the institution may not again be exposed to the risk of such changes.

ATTENDANCE.

The total attendance without duplication is 2352, 120 less than last year. A detailed comparative statement appears in the appended Registrar's report. The decrease is doubtless due chiefly to the increase in standards, particularly in the College of Medicine, where the attendance was 77 less than the preceding year, and to the failure of the last legislature to provide a woman's building. The number of women has fallen from 874 to 827. The loss in the College of Applied Science seems to be concurrent with a loss in attendance in many engineering schools in the country. The loss in the College of Dentistry is less than was expected on account of advanced standards of admission.

The slight loss in the College of Liberal Arts is due to a smaller attendance of Liberal Arts students in the Summer Session. The attendance in the College of Liberal Arts during the regular academic year was slightly larger than in the preceding year.

The Graduate College and the College of Law show increases. The College of Law again has increased its attendance 10 per cent as it did last year.

A considerably larger proportion of the Freshman class in the College of Liberal Arts were men than in the preceding year. This is doubtless due to the enrollment of men in the collegiate courses preliminary to medicine caused by the advanced requirements for admission to the Medical Colleges.

NEW BUILDINGS.

The new law building costing \$130,000, fire-proof, of Bedford stone, harmonizing with the new buildings on the old campus was dedicated February 22nd and occupied with great satisfaction by the College during the second semester. The dedicatory address was made by Dean Kirchwey of the Columbia Law School who pronounced the building the

finest hall of law in the west. The law library with its valuable Chancellor Hammond collection occupies the classic library hall covering the entire third story.

The former Unitarian Church purchased by the University was remodeled and affords most satisfactory accommodations for the department of Public Speaking.

Thus with the new shops just completed three new buildings have appeared during the year.

PUBLICATIONS.

Some thirty-three members of the staff of instruction report a total of ninety-seven different publications. Twenty volumes have been published or put forth in new editions, nine of which are absolutely new. Three volumes were in material science, one in applied science, one in medicine, eight in political science and history, five in literature, and two in education. There have been fourteen reviews, six in law, three in sociology, two in literature, and three in education. Fifty-four articles or papers have been published, of which seventeen were in material science, six political and social science, nine philosophy, nine medicine, three law, three applied science, and three in education. There have been nine reports and bulletins, two in material science; two in social and historical subjects; two in philosophy; one in law; two in literature.

Under the auspices of the Board of Publication there has appeared another volume of the Natural Science Bulletin.

The University Editor reports considerable increase in his work. By order of the Board of Education the announcements have been condensed and almost completely re-written. A somewhat elaborate illustrated bulletin of the University has been published.

During the second semester the University adopted the practice of older universities of publishing a weekly calendar. The Editor oppressed by his work asks relief and hopes the time is near at hand when the University may establish or subsidize a University press.

UNIVERSITY EXTENSION.

The Director, Professor Thomas Macbride, reports that few organized courses have been given but some one lecturer from the University has appeared in a greater number of communities than ever. The failure of the last legislature to make the appropriation asked for the work of university extension, though it heartily approved of that work, accounts for the meagerness of the above report. The demand for the work is constantly increasing.

A new and valuable form of university extension appears in the Lake Okoboji Lakeside Laboratory for which we are indebted to the enthusiasm and labors of Professor Macbride and his colleagues and generous alumni. The first session justified the enterprise. The twenty-six advanced and graduate students from the University and the standard

colleges of the state was as large a number as could be accommodated in the first session and their expressed gratification with the work will increase the attendance the coming season.

STUDENT LIFE.

THE ADVISER SYSTEM.

The importance of personal contact with the students has been emphasized by the University through the labors of the individual deans and in the College of Liberal Arts by the establishment five years ago of the student adviser system. As the Registrar points out in his report, we are at the point where we are in need of a new stage of development of the system. The thirty or forty advisers should be reduced in number and should be chosen for their fitness. Their powers should be enlarged so that practically they are assistants to the dean of the college and may be expected to assist the student in making his elections, and made responsible for approving the student's schedule.

THE SPONSOR SYSTEM.

The list of sponsors for the fraternities and sororities has been revised and it is hoped that there may be greater activity and helpfulness derived from this system.

FRATERNITY REGULATIONS FOR SCHOLARSHIP.

One of the most significant movements and one giving great promise for the improvement of fraternity life is the spontaneous action just taken by the Pan-Hellenic Council representing all the Liberal Arts men's fraternities. The regulations adopted by them are as follows:

"That each chapter shall have a scholarship committee consisting of a chairman and two other members. The chairman shall be the official representative and it shall be his duty to confer with faculty representatives at stated intervals regarding the scholarship of his chapter. With this chairman the deans of each college will be requested to file at periods not exceeding three weeks apart, statements filled out on printed blanks furnished by the fraternities, a complete record of attendance, class recitations, marks in tests and examinations, and such other information as may be deemed expedient by either the chairman or faculty member. These reports must be read in chapter meetings and posted on a bulletin board in the chapter house.

"That no pledge be initiated during his first semester in the university until he has made passing grades in all his courses for the first quarter. If he is below the requirements he shall not be initiated until he maintains a passing grade for one quarter."

ORGANIZATIONS.

By request of the President of the Board of Education a list was made of all student organizations in existence. The number was found to be one hundred and twenty indicating the wide range of student interest, and giving proof in the number of volunteer organizations of the existence of genuine University spirit.

STUDENT UNION.

The demand is evident for some form of student union. The former board of student delegates has not been convened during this session of the University. The twenty-four presidents of the classes in all the colleges have met and the individual presidents as occasion arose have been conferred with. A potential student council has thus been recognized at the president's office. There has been agitation for more closely organized student representation. The University Senate has had a committee on this subject. The desire is strong upon the part of the senate that the students may organize a movement by which there may be a more responsible co-operation and co-ordination of all student activities with those of the faculty.

The good order and discipline of the University have been better than in any past year in recent times.

RELIGIOUS EDUCATION.

Year by year the University is advancing in moral tone and it is believed in religious life. The Committee on Religious Education is in its second year. The religious organizations precedent to it like the Y. M. and Y. W. C. A., the Newman and Catholic Daughters, as well as the churches of the city have been stimulated in their work for students. Larger national and church movements are afoot and in some small part due to the influence of the Committee on Religious Education whose publications have been sought far and wide. The churches of various denominations seem to be on the eve of making provision to care for their students in state universities.

DEBATE AND ORATORY.

The success of the University has been remarkable in debate, winning in the pentangular league from the four great sister universities in the last two years, Wisconsin, Minnesota, Nebraska, and Illinois.

Great credit is to be given to the lamented Professor Gordon who organized the league and trained the men and prepared the material to the moment of his death last September. The men, aided by the Assistant in Debate, Mr. F. H. Randall, applied themselves without stint and deserve great credit from the University.

In like manner success attended the work in oratory. Mr. Jones and Miss Johnson, taking up the work of Professor Gordon enabled the University's candidate to take first place in the Northern Oratorical League's contest. Professor Ansley by consenting to act temporarily as the head of the department has made it possible for the work of the chair to be promoted.

LIBRARY.

The Librarian's comprehensive report shows 5088 volumes added to the library, 1060 by gift and exchange, 1001 periodicals, and 3027 by purchase.

Noteworthy among the gifts was the University Memorabilia Collection belonging to the late Dean Currier. This collection contains about two hundred bound volumes of inestimable value for the history of the institution.

The Rev. Dr. Loughridge presented twenty-five copies of the Bible translated into different Asiatic languages.

General Hoxie donated a large collection of books bearing chiefly on engineering.

The librarians have prepared lists and special shelves to tempt and aid students in general reading. The Library of Congress card catalogue adding 400,000 cards, has been received in accordance with the action of that library making the University one of their *depositories*.

MUSEUMS.

MUSEUM OF NATURAL HISTORY.

The Museum of Natural History has been enriched by the gift of two hundred and thirteen lots of marine invertebrate from the United States National Museum in turn for services rendered by our Curator, C. C. Nutting, in preparing reports on collections of hydroida for the National Museum. A collection of Japanese alcyonaria being a part of the material collected by the Albatross in its cruise of 1906 has been secured.

In the words of the Curator, "The taxidermist's, Mr. Dill's, mounted groups have been greatly and justly admired. I think it is safe to say that his artistic work is not surpassed in this country or indeed elsewhere; for America leads in this department of museum work."

OTHER MUSEUMS.

About two hundred specimens have been added to the Pathology Museum during the year. The Anatomy Museum has added a series of neck and trunk dissections which are unique. The Botanical, Geological, Commercial, and Educational collections and museums have enjoyed their normal increases.

DEAN OF WOMEN.

The Dean of Women reports 650 women in attendance of whom about 230 reside in the city with relatives and about 100 are accommodated at the sorority houses. 320 are in lodging houses, for the most part in approved homes. When the legislature failed to make the grant for a woman's building private enterprise established what is known as Svendi Hall in which there are at present 27 women in residence with the Dean. The success of this Hall gives promise of further development and it shows conclusively the need of the state housing not less than 25 per cent of the women in order to complement and stimulate private enterprise. The Dean and the Federated Clubs of the state continue their appeal for the next legislature to provide a woman's building.

GRADUATE COLLEGE.

In the words of the Dean:

"No great changes have taken place in the Graduate College during the current year. The most important step taken is, perhaps, the recognition of the position of the Graduate College with reference to the Summer Session, whereby the Graduate College is made coordinate with the College of Liberal Arts, and the Summer Session is conducted on the same basis as any other part of the regular year. This recognition of graduate work will be effective in securing recognition for the Graduate College among mature students.

"The University research lecture, complimentary to the colleges of the state, was given this year by Professor Calvin on the subject 'Recent research on Mammals formerly found in Iowa but now extinct.' He made a circuit of nine colleges, and in Des Moines, Des Moines College and Highland Park were invited to attend the lecture at Drake. He therefore reached eleven colleges. The reports of these lectures have been exceedingly favorable, and the success of the plan is assured.

"With the increase of the appropriation for fellows and scholars to \$5,000 a year ago, a new grade of fellowship was established to be designated the Senior Fellowship, yielding at the present time \$400 a year. Senior Fellowships are open primarily to persons who have earned their doctorate and desire to continue in research, and for professors in colleges of the state who give promise of scientific attainment and desire to come here on leave of absence. An additional qualification has been recognized this year by the appointment of Mr. D. A. Anderson to a senior fellowship on the ground that he is going to spend a part of the year in research work abroad studying the school system of Norway.

"The Graduate Club has been active this year. It divided its members into three groups, namely, the scientific, philosophical, and linguistic groups. Each of these groups entertained the other with diversified programmes."

COLLEGE OF LIBERAL ARTS.

In October Dean Weld resigned. He had thoroughly organized the work of the office during the two years he held it succeeding the lamented Dean Currier. W. C. Wilcox succeeded Dean Weld and has given much attention to details having to do with standards. The Faculty has shown its usual loyalty and co-operation with both of the Deans.

The heads of the twenty-one departments, without exception, report improvement in the quality of students and general progress. They are all suffering from inadequate salaries and lack of funds for equipment and supplies.

BOTANY.

The department of botany rejoices in the continued donations by Mrs. Morgan of Ohio. Last year they received an invaluable collection and this year the library of her late husband. The plant house has become so crowded that the addition immediately of another section is called

for. The department proposes to use portions of the University grounds for native plants.

CHEMISTRY.

The chemical department is in more dire need than ever of enlarged appropriation.

EDUCATION.

The total number of different persons enrolled in the department during the year, not in the summer session, has been 406, the number of graduate students is approximately 60, and of the 20 candidates for higher degrees 7 of them proceed in education. The withdrawal of Professor Ensign in the middle of the year, though Superintendent McConnell has taken a course, leaves the department short of help.

ENGLISH.

Professor Ansley reports, "that near the end of the last academic year Professor Sloan was obliged to leave his work on account of ill health, but has recovered and expects to return next September. Dr. Marlow Shaw was called from the University of Missouri and Dr. E. N. S. Thompson was called from Yale. The head of the department of English will again next year be acting head of the department of public speaking."

FINE ARTS.

To fill the vacancy caused by the resignation of Assistant Professor Washburn, the board of Education arranged with C. A. Cumming of the Cumming Fine Art School of Des Moines to supervise the work at the University and H. W. Miles of the Cumming School came into residence as instructor. Provision is thus made for the beginning of a possible Institute of Fine Arts.

GEOLOGY.

The devoted Professor and staff have shrunk from no extra work. Professor Calvin reports gratifying success in instruction. He justly asks assistance to arrange the valuable collections of a life time and prays for a fire-proof building in which to preserve them.

GERMAN.

Professor Wilson reports that he was fortunate in the choice of three new instructors. The vitality of the department is shown by the organization of a departmental German society.

GREEK AND ARCHAEOLOGY.

Professor Weller reports an increase in the number of students taking Greek which he thinks augers well for the department and we may add for the cause of education. He has carried the History of Ancient Art and Architecture thus supplementing the work of the Fine Arts department.

LATIN.

Professor Eastman also tells of increased enrollment and it is particularly suggestive that it is largely in advanced classes. Three new classes have been organized to meet actual demands.

MATHEMATICS.

Professor Weld says the outlook for the department has never been more favorable and there are more students looking toward higher Mathematics than ever before. He regrets that there are not more among men but rejoices in the excellent work the young women are doing.

MILITARY SCIENCE AND TACTICS.

According to Lieutenant Mumma the work of this department opened with unusually bright prospects on account of the excellent work of his predecessor, Lieutenant Weeks. A number of changes in requirements have been made. A new system of appointments of commissioned officers kept thirteen seniors and twenty-two juniors in the department which had a strengthening effect since all of their work is voluntary. A complete new field equipment has been furnished by the government. The uniform has been made to conform exactly to the West Point uniform except the addition of the letters S. U. I. In the winter to give individual instruction each student was scheduled at an hour convenient to him. The annual encampment at West Liberty between May 20th and 23rd was a success in every respect. Three hundred and twelve students were present.

PHILOSOPHY AND PSYCHOLOGY.

Professor Seashore reports that the attendance is trebled since they received any increase in their staff. In this connection he adds, "Permit me to name the additions to the University which should come to us through the co-operation of the two state Boards, and would be a very material aid to the work of this department.

1. "Either a psychopathic ward or an entire asylum to care for selected cases from the various state hospitals which might be brought here for treatment, scientific study and clinical purposes. This hospital would be a sort of a clearing house for the psychopathic cases of adults. The methods in the normal psychological laboratory are now employed in such institutions; e. g. at Heidelberg, and Ward's Island.

2. "A hospital for the mentally delinquent children. This should be a clearing house drawing cases for treatment, scientific study and clinical purposes from our hospitals for the feeble minded, and some cases from the reform schools. It should also have its agencies for gathering in neglected cases in the state.

3. "The school for the retarded. In this should be gathered from all over the state, children who are seriously backward or incapable in their studies, although not weak minded in the usual sense. Hundreds of cases of retarded children could be redeemed annually for good cit-

izenship in this state, if they were cared for by scientific method in a school of this sort. The school would of course, be an experiment station, and would be an auxiliary to the School of Education."

PHYSICS.

Professor Guthe's call to Michigan brought what seemed to be an irreparable loss, but we were fortunate in securing as his successor Professor Stewart. He reports in part as follows;

"Very few changes have been made in the courses for the year, as they were already well organized. The new courses introduced have been one in Radioactivity involving recitation and laboratory work, and an additional two hours in alternating current measurements. Both of these changes have proved strong additions to the Department.

"Plans for the arrangement of the interior of the new Physics Building have been determined and a number of the details of future equipment have been considered during the year.

"The Department was represented by three members of the staff at the meeting of the American Physical Society in November, and by two members at the meeting of the Iowa Academy of Science."

POLITICAL ECONOMY AND SOCIOLOGY.

The absence of Professor Loos seeking the recovery of his health in California threw heavy duties upon Dr. Gillin who acted in his place as head of the department. The department however has held its own. The work in commerce has gone forward. The staff needs addition, especially with reference to accounting, and corporation and finance. The enrollment in economics and in sociology is increased. There is a call for a special fund for the social museum in addition to the commercial museum. The return of Professor Loos from California in apparent good health makes the outlook for this department good.

POLITICAL SCIENCE.

One Hundred and fifty-six men and 35 women were scheduled for the course in the first semester and in the second semester 193 men and 31 women. The preponderance of men is made an argument by the department for making provision for more courses along lines which are especially attractive to men. The individual and conference method of instruction introduced in this department calls for additional assistance. The history of the state is an important subject committed to this department.

ROMANCE LANGUAGE.

Professor Bush records 340 students as over against 261 in the preceding year. The increase in the number of students taking Italian shows the effect of the music school. Scientific French is offered for the first time in the course here and a class in phonetics has been formed with great success.

SCANDINAVIAN.

The lack of funds has prevented the Board of Education from filling this important chair. The Edda Society has kept alive the interest in the subject and made use of the excellent Scandinavian library. The English Philology has been carried in the department of English.

ZOOLOGY.

Professor Nutting reports the largest attendance in the history of the department. Important researches have been carried on during the year by the staff of the department. Professor Nutting has been able to issue the first volume of his monumental work reporting on the "Alcyonaria of the Siboga Expedition to the Dutch East Indies," (the famous expedition supported by the Dutch government.) He well says of the research work carried on by the staff:

"This seems to be carried on more energetically than ever this year, and proves that where there is a will there is a way to do something more than the routine work of the department. While it is possible to do good instructional work without research, it is a fact that the best teaching can be done when the instructor has actually first-hand knowledge of the things taught. This constitutes, in my opinion, the real difference between university and college or high school work."

Professor Houser, the Director of the laboratory of Animal Biology, calls attention to the failure of 20 per cent of the students taking the introductory course. He attributes it to insufficient preparation and the high standards required for class work in animal biology. Of research on the nervous system he says results already secured demonstrate a fundamental error in the finding of earlier investigators, particularly of the German workers. These papers constitute a new starting point for a whole section of biological science. Research on the lymphatic system promises to become a classic. Dr. Stromsten is using his vacation to visit the Dry Tortugas to secure a complete set of the embryonic material of the sea turtle. There is a gain of five percent in students taking entomology.

LAW COLLEGE.

This has been a record year in the history of the college of Law. It has been richly rewarded for its patient waiting by its new building which has immediately given the college an impetus. The students at once formed a council for the adoption and enforcement of regulations for order and conduct. There is a noteworthy increase in attendance. In accordance with the wishes of the state Board of Education the number of hours of class instruction was increased twenty-two hours per week. A further increase of eight hours of instruction has been planned for the coming year and the introduction of some opportunity for election will place this college in a position of strength.

The losses sustained by the death of Professor Byerl and the retirement on the Carnegie Foundation of Professor Hayes were met by the

appointment of Professor Gilbert and Mr. Otto and the temporary appointment of Mr. Walker. Professor Bordwell of the College of Law of the University of Missouri has been chosen to succeed Mr. Walker.

COLLEGE OF MEDICINE.

Mr. Abraham Flexner accompanied by Dean Whitehead of the School of Medicine of the University of Virginia representing the Carnegie Foundation made a second visit to the college during the autumn. The substance of his report was high commendation of the laboratory instruction, some recommendations for the further development of the hospital and the department of internal medicine and the acknowledgement of the permanence of the state university type of medical school with high standards.

The Board of Education has co-operated cordially with the Foundation. The enforcement last year of the advanced requirements for admission of one year of liberal arts while reducing the entering class about two thirds has resulted in more efficient work. The immediate erection of an addition to the hospital along the most modern lines costing not less than \$75,000 gives added assurance that this college with forty years of leadership in medicine in the state and with a thousand alumni will have a future worthy of its past and commensurate with its importance to the health of the state and to modern medicine.

ANATOMY.

The great department of anatomy serving both colleges of medicine, and of dentistry and pharmacy devoted 3,768 hours to teaching. In research important serial studies have been made in the embryological department. These studies have been mounted in an original way facilitating the work of the department.

MATERIA MEDICA AND THERAPEUTICS.

This department meets about two hundred students from the colleges, of medicine, of dentistry and of pharmacy.

OPHTHALMOLOGY, OTOTOLOGY, RHINOLOGY AND LARYNGOLOGY.

The clinics in this department, the largest in the college, continue to increase. Research and publication are encouraged.

PATHOLOGY AND BACTERIOLOGY.

Two hundred and forty-two students are enrolled. The Department serves other departments in the field of autopsies and otherwise the departments of surgery, gynecology and ear, eye, nose and throat. The bacteriological laboratory of the Board of Health with its 779 culture stations sent out 14,798 diagnosis outfits and made 9,529 examinations. There were seventeen applications for the pasteur treatment and successful field work in respect to the epidemic of typhoid at Oskaloosa in February.

PHYSIOLOGY.

About two hundred and twenty-five students from the colleges of medicine and dentistry were enrolled in this department. Instruction was given in small sections to the second year class. Professor McClintock, the head of the Department, gives the following testimony.

"If the experiences of the past year as result of the higher requirements can be taken as of any value in forecasting the future we can truly say that it foretells great improvement in the work and standing of the medical student and of the future medical profession. We have never had such good results, such independent work or so much of it, nor have we had such an active interest in investigation into the facts and theories of physiology as has been shown by the members of the present freshman class."

THEORY AND PRACTICE OF MEDICINE.

Dr. Beirring reports in part as follows:

"The medical dispensary has made gratifying progress. Six hours of each week have been devoted to it this year and the patronage has been considerably increased.

"The systematic course of ward class teaching has been specially developed during the past year, and the students now receive a very systematic individual training at the bedside throughout the second semester of the sophomore year continuing to the close of their senior year.

"A course of lectures and demonstrations in Applied Therapeutics was given this year by the professor of Theory and Practice of Medicine, which was of interest to the senior class and should be continued.

"The clinical laboratory has been very freely used by the students of both the Junior and Senior classes and has been of great benefit in the teaching of clinical medicine."

COLLEGE OF HOMEOPATHIC MEDICINE.

In this college, according to the Dean, there has been some uneasiness due to the report that the surgical chairs were to be abolished. The Board of Education, however, has made provision to retain these chairs. The Board has directed that the standards of admission be advanced to two years of liberal arts which will give the highest standards of any college of homeopathic medicine.

The Homeopathic Hospital under its new superintendent has had a record year in the number of patients, 542, and in its happy administration.

COLLEGE OF DENTISTRY.

The stand taken by this college when it seceded from the American Dental Faculties Association and later became a charter member of the University Dental Faculties Association has been justified. Strict regulations with reference to markings and required attendance have resulted in advance standards within the college. The Board of Dental Examiners has been co-operative. Their requirement of an average of 80

per cent. in order to pass their examinations has been helpful. Their new policy also of examining the junior students finally on all subjects taken the first and second years that are not continued the third year will work to the advantage of Scholarship and the college.

The policy of full time teachers and resident professors is showing good fruits.

The seventh annual Alumni Clinic gave proof of the service of the College in this meeting to the dental profession of the state.

The number of patients in attendance upon the regular clinics continues to increase and it is estimated the total number for the year will reach approximately 16,000.

COLLEGE OF PHARMACY.

The Dean comments upon the stimulating effects of plucking a few students at the end of the first semester. The Faculty has increased their requirements for admission to the Practitioners course in conformity with the advance made by the conference of Pharmaceutical Faculties of the American Pharmaceutical Association. The syllabus of the latter Association has been adopted as a tentative guide in the University. This will unify the teaching in the colleges of pharmacy. The board of Pharmacy, the president of which is an alumnus of the college, has rendered encouragement to the college by its modern method of examination and spirit of cooperation. The college has saved the University much money and has been a great assistance to the University Hospital by dispensing 22,500 drug orders, and filling 665 prescriptions for clinical out patients. The practical work thus furnished to the senior students amounts to 450 hours.

COLLEGE OF APPLIED SCIENCE.

In attendance the college of Applied Science has been slightly less than last year, as is true in almost every technical school in the country. The Dean says;

"The work of the College has continued to improve. Its technical faculty is stronger than ever before and as a whole the work done for the student is believed to be equal to that done anywhere.

"There is much criticism of college methods in these days, some of which criticism is just, and it is charged that new methods are not being devised to keep pace with the changing conditions of advancing civilization. By adopting new methods approaching individual instruction and constantly improving on what it has, this college hopes to be free from this criticism. It is doubtful if in any school of similar character in this country there is as close contact between instructor and student, or there are so many hours spent by the student under the immediate direction of the instructor as in this college. It is believed that this system is showing good results in the better attitude of the upper classmen toward their work and in the better grasp they have of it. It is the purpose to extend the system as rapidly as possible to cover all technical work."

The demand for the extension of the work in this college into the summer session and for a summer session of not less than nine weeks is strong.

DESCRIPTIVE GEOMETRY AND DRAWING.

The head of this department reports that "during the five years the department has been in existence many changes in the character of the work and the manner of presenting it have been made necessary by the growth and expansion of the college. The work of the year is coming to a satisfactory close. A high standard has been maintained and the courses have been well conducted."

ELECTRICAL ENGINEERING.

In this department according to the head "two innovations have been made in the method of instruction during the past year; both of which bid fair to be of great value. The first of these is the teaching of the operation of electrical machinery in the junior year, reserving to the senior year the theory and design. This method has been found to work well wherever it has been used, which places are very few. The other is the giving of a course in electrical construction, dealing chiefly with house wiring, in the sophomore year. With the exception of two or three trade schools such a course is given nowhere in the country."

MECHANICAL ENGINEERING.

In Mechanical Engineering the Professor is concentrating his efforts in instruction to perfecting the ability of the student to sketch out quickly designs to fulfill the particular conditions of the problem but at the same time in forms and dimensions governed by commercial and manufacturing conditions. The Professor says that in general the work of the students in the laboratory has been good but he sees many ways in which it might be improved. During the year every engine and machine in the laboratory has been taken more or less apart by the students, adjusted if necessary, reassembled and finally put in operation again to see that it was left running in good order.

MECHANICS.

The work of this department has been carried on this year for the first time as an independent department. The Professor reports:

"A new course in Mechanics has been offered during the past semester, a problem seminary. This course is devoted to the practical applications of mathematics to problems in mechanics; it is introduced to assist the student in gaining power to use mathematics as a tool and not as a crutch merely. A new course has been added for the coming year, a course in Aeromechanics to serve as an opening course in Aeronautical Mechanics for which there will surely be a demand in the immediate future."

SUMMER SESSION.

Director F. E. Bolton of the Summer Session reports for the session in 1909 as follows;

"The attendance was about 355 of whom 134 were graduate students. The quality was exceedingly superior. While the attendance in number was about seven or eight less than in the preceding summer the quality was better and I believe the Session may be counted as a thoroughly successful one. Among those present was an especially large number of superintendents, principals and high school teachers.

"A committee of students went to Des Moines to interview the State Board of Education and to petition for additional support for the Summer Session and School of Education."

THE SCHOOL OF POLITICAL AND SOCIAL SCIENCE AND COMMERCE.

This school has been a subject of interest and inquiry by the Department of Commerce at Washington and is recognized as one of the early schools of this kind. In the absence of the director of the school the president has served, with the burden of details borne by Dr. Gillin. His wish cannot be emphasized too strongly when he says, "It is to be hoped that the school may be given sufficient funds so that its aims and purposes may be carried out in the way which they deserve. The school has served a useful purpose in its past history in co-ordinating the courses that lie in the same general field, and if given proper support the school can be made much more useful than it has been in the past."

SCHOOL OF EDUCATION.

By action of the State Board of Educational Examiners it has been possible for the School of Education to extend the field in which credits are given to courses of methods of instruction in various collegiate subjects outside the department of education. There is a healthy tendency for the school to develop more fully in the graduate college and in the field of research work. It is already a school in the sense in which the Association of American Universities defines a school, one whose requirements for admission are not less than two years of collegiate work.

SCHOOL OF MUSIC

The work of this school has been graded so that collegiate music could gain recognition by certificates and diplomas and the preparatory and elementary courses lead to the advanced work.

The various musical organizations of the University have been greatly strengthened and the musical efforts have been of a higher quality and more successful than ever before in the history of the University.

The Music Board of the Senate has made to the Senate a report of the progress of music in the institution and deserves thanks for its co-operation with the management of the school.

CONCLUSION.

In conclusion, except for the financial hardships, the year has been one of the most prosperous in the history of the institution. It closes with the conferring of the greatest number of degrees and certificates in the history of the institution. Three hundred and eighty-two persons, of whom two hundred and seventy-five were men and one hundred and seven women, received degrees and a grand total of four hundred and ninety-eight degrees and certificates were conferred upon three hundred and ninety-six persons. The quality of scholarship and character of these graduates meet the highest standard.

My thanks are extended to the administrative and instructional staff for their co-operation.

Respectfully submitted,

GEORGE E. MACLEAN.

THE STATE UNIVERSITY OF IOWA.

IOWA CITY, IOWA.

Report of the President with reference to the proposed Legislative budget for the biennium 1911-1913.

August 1, 1910.

To the Honorable Board of Education.

GENTLEMEN:—I have the honor to submit herewith a tabulation of the present expenditures of all departments of administration and instruction, and of the requests their heads make for annual appropriations for the biennium 1911-13. The original requests of the departments with their briefs supporting them, are on file in the President's office for the use of the Board or its committees. They are so bulky that they have not been reproduced.

The following is a summary to be recommended to the Board for their askings from the Thirty-Fourth General Assembly:

Annual Appropriation	Per Annum
1. Annual-additional support—salaries and supplies.....	\$ 100,000.00
2. Libraries	20,000.00
Total	\$ 120,000.00

Special Appropriation	Per Annum
3. Renewal of special support.....	\$ 25,000.00
4. Renewal of general equipment and supplies.....	7,500.00
5. Renewal of paving, walks and care of grounds.....	3,000.00
6. Equipment for buildings now partially equipped and for equipment of new buildings to be erected.....	51,462.00
7. Summer session and School of Education.....	10,000.00
8. University extension	10,000.00
9. Institute of Fine Arts.....	10,000.00
10. Land	10,000.00
11. Improvement in electric and power plant.....	11,000.00

EXTENSION FOR ANOTHER FIVE YEARS OF 1-5 MILL TAX.

A summary of the allotment of funds for the year 1910-1911, increases asked, and cuts proposed from the askings, is as follows:

	Present Budget	Increases Asked	Cuts Proposed
College of Liberal Arts.....	\$ 125,863.00	\$ 106,031.00	\$ 56,000.00
College of Applied Science.....	31,800.00	*9,260.00	3,000.00
Graduate College	5,180.00	5,260.00	3,000.00
College of Law.....	18,300.00	1,550.00	500.00
College of Medicine.....	89,935.00	21,050.00	6,000.00
College of Homeopathic Medicine.....	5,425.00	3,060.00	3,000.00
College of Dentistry.....	22,000.00	4,575.00	1,000.00
College of Pharmacy.....	5,425.00	2,465.00	500.00

EXTENSION FOR ANOTHER FIVE YEARS OF 1-5 MILL TAX—CONTINUED.

	Present Budget	Increases Asked	Cuts Proposed
Library	6,591.66	4,838.00	1,500.00
Administration	16,680.00	4,765.00	
Summer session	7,400.00	6,800.00	**6,800.00
University Extension	100.00	4,400.00	4,400.00
Grounds and buildings.....	60,300.00	4,975.00	
Miscellaneous	22,126.00	7,124.00	500.00
Totals	\$ 367,185.66	\$ 186,153.00	\$ 86,300.00
Cuts proposed			86,300.00
Cuts proposed taken from increases asked leave		\$ 99,953.00	

*Plus large askings for equipment to be paid from other funds than income.
**Special appropriation.

This great increase asked by the departments it is impracticable to grant, but it must be said that the departments have so long been denied sufficient appropriations by the Legislature that their requests are not as idealistic as they would at first seem. The Deans with whom I have been able to consult, and several of whom have studied the estimates of each college with me, feel that the \$186,153.00 asked cannot be reduced more than \$86,000. In other words, a permanent annual addition to the support fund of \$100,000 is the irreducible minimum to be asked.

The Board of Deans unanimously agreed with me that before all else a better scale of salaries should be established. In order to accomplish this we have been willing to sacrifice many desirable additions to the staff, and to reduce the funds for apparatus and supplies.

I. REASONS FOR ANNUAL ADDITIONAL SUPPORT.

(1) For Increase of Present Salaries.

The most urgent need of the University, and the one, if it becomes necessary, for which everything else must be sacrificed, is the increase in the salaries. The salaries at the University have never been up to the standard in similar institutions. Consequently the University has suffered a constant change in the staff of instruction. This has been particularly true of what might be known as the middle men and the younger instructors, though annually we have suffered almost irreparable losses of heads of departments. As a rule however, the older men have become so devoted to the institution that they have stayed at great pecuniary sacrifice. The increased cost of living now makes it very difficult for any of these men to meet the demands made upon them. That we have arrived at about the breaking down point appears from the following fact. The last Legislature, having given only a half of the addition asked by the Board for the support fund, the contemplated advance in salaries could not be made, and there was such a migration of instructors that there were 53 new appointees on the staff last September, a large majority of whom were new and relatively untried. The requests of Deans and heads of departments for salaries if granted would compel the Board at this time to ask an in-

crease of \$61,990 for salaries. These requests are, no doubt, reasonable in practically every case. In order to replace men for whom these salaries are asked with equally good men going into the professorial market the sums asked would in the main have to be paid. Even then we would have the risk of the adjustment of new men to our conditions. In view of all their askings, if the Board is constrained to ask a less sum for this most important item in the additional support fund, a considerable proportion of it must stand. This can be sustained by detailed figures upon the most moderate scale that would at this time be tolerable for the force. It is a minimum to which they have practically grown.

Informally the University has a loose scheme of rank and salaries, about as follows:

Assistants, graduate and undergraduates up to.....	\$ 600
Assistant instructors from	\$ 500 to 800
Instructors from	800 to 1,400
(The above are all elected annually.)	
Assistant professors from	\$1,100 to \$1,800
Professors not heads of depts., excluding part time professors	1,500 to 2,600
Full time professors, who are heads of depts., excluding deans, from	1,700 to 3,100
Full time professors who are also deans from.....	2,100 to 4,500

(1) Compare the above with the scale proposed at Minnesota:

Instructors	\$1,200 to \$1,500
Assistant Professors	1,750 to 2,500
Professors	2,750 to 3,750

(2) The proposed scale at Yale:

Instructors, first year	\$1,000
second year	1,200
third year	1,400
fourth year and thereafter.....	1,600
Assistant professors, 1st term of service.....	2,000
2d term of service	2,600
3d term of service	3,000
Professors	4,000 to \$6,000

(2) *For New Positions.*

The present status of the institution demands some additions to the staff of instruction. In many departments we have never been properly manned. Since we are now recognized as a standard institution, we must maintain certain University methods of instruction, demanding smaller classes, and a limited number of periods of instruction on the part of the instructor that should make him free for investigation and attention to individual instruction. This is particularly true in the Graduate and professional and technical colleges and reforms in this direction are needed in the Liberal Arts College. The requests of the departments for additional instruction aggregate \$52,515. This sum can and must be reduced to get within the \$100,000.

II. REASONS FOR THE ANNUAL FOR LIBRARIES.

Two years ago, with unanimity, the University Senate asked the Regents for \$30,000 annually for all the libraries of all the colleges. As modern instruction in all departments depends upon libraries and laboratories, and especially as a university must have books as tools, that request was most reasonable. The librarian renews it for this legislature. If the Board in giving precedence at this time to the increase of salaries does not deem it wise to request the \$30,000, they cannot do less than to ask that the library appropriation be a permanent annual of \$20,000 as the need is continuous. The \$15,000 special given for each of the last two years for the library has been insufficient, and particularly the Graduate, Law and Medical Colleges have been unsatisfied.

III. REASONS FOR RENEWAL OF SPECIAL SUPPORT.

The last legislature gave a special of \$25,000 a year for support. This has necessarily been used for continuous and permanent expenditures, and therefore must be renewed. This, therefore, it is impossible to count toward the additional support now required.

IV. RENEWAL OF GENERAL EQUIPMENT AND SUPPLIES.

The renewal of the special appropriation of \$15,000 by the last legislature for the departmental equipment and supplies is the least that can be asked.

V. REASONS FOR RENEWAL OF WALKS AND GROUNDS APPROPRIATION.

For paving side walks, and improvement of grounds, a renewal of the present appropriation, \$6,000, needs no argument.

VI. REASONS FOR BUILDING EQUIPMENT.

For buildings partially equipped and for equipment for the new buildings to be erected in this biennium the amount is to be determined upon the return of the detailed list of items being prepared by the professors and experts concerned. Inasmuch as the millage cannot be used for equipment, it becomes necessary that the legislature make these appropriations in order to put these buildings into service.

VII.

(1) *Reasons for the Summer Session Appropriation.*

The students attending the Summer Session in 1908 petitioned that the term be extended from 6 weeks to 9 or 12. The faculty endorsed the petition. The same petition asked for a further development of the School of Education, and the Board of Regents asked \$20,000 annual appropriation for the Summer Session and School of Education. The Leg-

islative Committee that visited the University approved of this request, but suggested the additional expense be taken from the general income fund instead of making a special appropriation. The general income fund has been insufficient to allow of this appropriation, and the request therefore must be renewed with the added urgency of the two years' delay.

The quality of the attendance at the Summer Session, consisting largely of the best superintendents, principals, and high school teachers of the state, and students in the Graduate College, requires that for the most part heads of departments be in attendance. The Summer Session of 1910, stationary in attendance, largely because the requests heretofore urged had not been granted, is a signal that the provision asked for can not wisely be longer neglected.

(2) *Reasons for Summer School for Library Training Appropriation.*

The Library Training School under the auspices of the State Library Commission has just completed its tenth year as a department of our Summer Session. It has been remarkably successful from the beginning. Its practicability and permanence have been demonstrated, and it has cost the University but \$500 a year. It has been so successful that students have repeatedly asked that it be developed into a full-fledged library school instead of the practical short course school it is, but the Director of the School, Miss Alice Tyler, Secretary of the Commission, is opposed to this, and at the present time the demands by the regular departments of the University make it practicable only to continue the school upon its present basis with a slight additional appropriation of \$350 a year. It is possible that the Board of Education by conference with the Library Commission and the proper committee of the legislature might secure this advance outside the appropriations for the University, for the advance is a well earned one, and should by all means be secured.

(3) *Reasons for School of Education Appropriation.*

The School of Education is the University end of the State Teachers College. The Association of American Universities recommends the use of the term "school" for an organization requiring for admission not less than 2 years of liberal arts study, while the term "college" is to be used for an organization requiring for admission 4 years high school preparation.

The School of Education at the University extends its work over the junior and senior years, and into graduate work. It is thus technically a professional school for the training of professors in colleges, and superintendents, principals, and teachers in high schools. In 1876 when the State Normal was organized to take the place of the Normal department, which had been at the University from the beginning, for the preparation of teachers for the common schools, the chair of pedagogy was left at the University. The University thus became the first University in the country to have a department of Education for the preparation of teachers for the high schools and the field of higher education.

Keeping step with the development of these chairs in almost every great University in the land into a college or school of education, the University has its present school, in which are grouped with reference to methods of teaching the departments of the College of Liberal Arts with the department of Education.

The demand of the school men of the state for this school, and the rapid increase in the attendance upon it by them, and their petition for the strengthening of this work, make it desirable that the Board should ask the legislature for the sums that the deans and departments have set out for the Summer Session, for the School of Education and the Practice School.

(4) *Reasons for School of Political and Social Science and Commerce Appropriation.*

The peculiar obligation resting upon a State University to serve the nation and the state in preparation of men for public service in the School of Political and Social Science and Commerce was recognized in the call from the U. S. Department of Commerce and Labor for a report of state schools. Among these Iowa appeared as one of the first, organized in 1900. This school has patiently waited upon other colleges in the University that had emergencies due to fire or special appropriations. It is, however, a grouping of departments having popular subjects much demanded, especially by men students, and so has held on its way. It is now high time that it was further strengthened. I therefore earnestly recommend the additional full professor asked in the department of Political Economy and Sociology, and additional instruction in history and political science. The requests for the Commercial and Sociological Museums are also most desirable. The appropriations for this school are included in the general support fund.

VIII.

(1) *University Extension.*

The following plea was presented to the last legislature:

"The University was among the first in the United States to offer university extension lectures. In 1900 this work became so important as to call for an organization of a university extension department, of which Professor Thomas H. Macbride was made Director and Professor W. C. Wilcox, Secretary. The principal upon which university extension rests is a fundamental one in a State University, namely, that the institution must serve the public welfare not simply by teaching within its gates, but by the work outside its gates throughout the state. What the State College of Agriculture and Mechanic Arts has done so admirably in the broad field of agriculture, the University is bound to do for all humanity in its varied interests and organizations.

"University extension has developed so as to include not only instruction by lectures, but correspondence study, bureaus of general information and welfare, and contributions to debating and public dis-

cussions. A constant demand is made upon the University for vocational and avocational instruction in the various counties of the state. The demands come from many quarters not simply from the graduate students, and not alone from teachers, but from representatives of all the professions and occupations. The demand made from these sources makes it necessary that in addition to the regular staff of instruction, the University have a small staff of specialists devoted to this work. A relatively small appropriation will enable the University to meet this legitimate demand upon it for adult and practical education throughout the homes of all portions of the state. University extension in this form has passed the experimental stage, as is shown by the experience of sister and national institutions."

The committee of the legislature visiting the University gave their hearty approval to this work, but the special appropriation required was not received. Independently of the University's request, a bill appropriating \$20,000 a year for the purpose was introduced and received much favor, though the general appropriation committee, on account of the many demands upon the state at the time, did not recommend its passage.

The continued success of this work, notably in Wisconsin and also at Ames, should cause the renewal of the request for an appropriation. There might be some possible economy of administration in the federation of the work with that at Ames. This certainly would be true in the matter of publications.

By the request of the present director, who is absorbed by his duties in a great department—Professor Macbride—a director wholly given to this work should be added to the staff. Professor Macbride also should be heard with reference to the Lakeside Laboratory at Okoboji, an affiliated alumni enterprise that well illustrates one form of University extension. The Women's Clubs have formed many University extension centers, and desire the enlargement of this movement in practical ways.

(2) *Board of Publication.*

A note of every genuine University as contra-distinguished from a College is found in its contributions to knowledge through publications. For many years the University has had several regular research publications, though the appropriations for the purpose have ever been small. The request of the Board of Publication through its chairman for \$1,500 a year is endorsed. The appropriation for this is included under the Support Fund.

IX. INSTITUTE OF FINE ARTS.

Through the liberality of a Boston gentleman, a department of Fine Arts was begun in the College of Liberal Arts four years ago. Mrs. Mark Ranney by her bequest to establish a Mark Ranney Memorial Library and Institute of Fine Arts in the broadest sense of the term, has made it possible for the Board with relatively small supplemental appropriations at once to have a department of the history and theory of art, and the

last year of painting and drawing. The present affiliated School of Music with relatively a small capitalization might soon, and properly, be made a source of revenue, reinforcing the distinct department of painting and drawing. The department of public speaking, the various language departments in the College of Liberal Arts, furnish without additional stipend, means for practical instruction in almost the entire field of fine arts.

X. REASONS FOR LAND APPROPRIATION.

For the purchase of additional land an amount to be determined by the Finance Committee and the Board. The rapid improvement of the land on the West Side, and the need of land there for hospital and scientific purposes, like a site for astronomical observatory, make it unwise for the state to delay longer securing holdings there. The last legislature by refusing a grant of \$45,000 for a tract of 142 acres, which has since been sold for much more than that, and now being platted and sold at a greatly increased value, should teach the lesson of securing at once West Side acre property. On the East Side necessary sites for buildings to be erected in the next biennium will have to be purchased. It would save the state money if the Board could have in hand a limited standing fund for land to be used as bargains come into the market.

XI. REASONS FOR IMPROVEMENT OF HEATING PLANT.

The last legislature did not make appropriation for coal and ash conveyors. The superintendent of Grounds and Buildings for this purpose will present estimates for the improvement of the plant, which are self-evident needs, and will make for economy of operation.

XII. REASONS FOR EXTENSION OF THE MILLAGE TAX FOR BUILDINGS.

BEGINNING OF THE MILLAGE.

The twenty-sixth General Assembly provided for the levy of 1-10 of a mill for a period of five years, for the erection of buildings at the State University, with the limitation that any amount in excess of \$55,000 raised by any one of such levies should be paid into the state treasury. The twenty-seventh General Assembly extended the levy for one year, in order to appropriate \$41,900 for the library which had been burned, and \$13,000 to restore the burned building.

The Twenty-eighth General Assembly extended the tax of 1-10 of a mill for five years, commencing with the levy of 1902 "for the purpose of providing for the erection, improvement and equipment" of buildings for the University. The Twenty-ninth General Assembly increased the tax for the five years, commencing in 1902, to 1-5 of a mill "for the erection, repair and improvement of buildings." The Thirty-first General Assembly extended the levy of 1-5 of a mill for the five years, commencing with 1907.

FIRST BIENNIAL REPORT.

AMOUNT OF MILLAGE.

The University has drawn from the state treasury the following amounts during the years indicated, against the millage:

1897-8	\$ 25,500.00	at 1-10 of a mill
1898-9	45,400.00	at 1-10 of a mill
1899-00	80,000.00	at 1-10 of a mill
1900-01	77,375.00	at 1-10 of a mill
1901-02	25,275.00	at 1-10 of a mill
1902-03	63,000.00	at 1-5 of a mill
1903-04	96,000.00	at 1-5 of a mill
1904-05	111,500.00	at 1-5 of a mill
1905-06	130,000.00	at 1-5 of a mill
1906-07	145,000.00	at 1-5 of a mill
1907-08	141,000.00	at 1-5 of a mill
1908-09	95,000.00	at 1-5 of a mill
1909-10	75,000.00	at 1-5 of a mill

Total \$ 1,113,050.00

SUPPLEMENT TO THE MILLAGE.

The limitation of the millage made it insufficient for the dire building needs, so that legislatures found it reasonable to supplement it by special building appropriations to the amount of \$120,000, as follows:

University Hospital Wing.....	\$ 50,000	of this from spl. appropriation
New Medical Buildings.....	50,000	of this from spl. appropriation
Engineering Hall (original).....	20,000	of this from spl. appropriation
	<u>\$ 120,000</u>	

BUILDINGS ERECTED FROM THE MILLAGE.

The most prominent feature in the history of higher education in America is the unparalleled growth of state universities, particularly in the Middle West. The period of this development and the inauguration of the building era in these institutions may date from about 1880. Iowa, one of the oldest of these universities, and a leader until about that time relatively, rapidly fell behind because during the years from 1880 to 1900 there was no proper increase in the support or building funds. There have already been erected 18 separate buildings or sections of buildings, at a cost of \$1,164,122.68, and the balance of the appropriation practically contracted for, giving a total of \$1,399,122.68.

ADVANTAGES OF THE MILLAGE—STATE INSTITUTIONS HAVING IT.

Experience proves that the millage method is the best one. Twelve of the most progressive states, supporting twenty-one of the most prosperous institutions, have the millage system as one of the means for support or buildings, or both. The states and institutions are:

California—University.
 Colorado—State Agricultural College.
 Colorado—School of Mines.
 Indiana—University.
 Indiana—Purdue.
 Iowa—University.
 Iowa—Teachers College.
 Iowa—College of Agriculture.
 Kentucky—University.
 Michigan—University.
 Michigan—College of Agriculture.
 Minnesota—University.
 Nebraska—University.
 North Dakota—University.
 North Dakota—College of Agriculture.
 North Dakota—School of Mines.
 Ohio—University at Athens.
 Ohio—University at Columbus.
 Ohio—Miami.
 Wisconsin—University.
 Wyoming—University.
 (Bulletin, 1909, U. S. Bureau of Education, No. 11.)

FRUITS OF MILLAGE.

There can be no better illustration of the advantages of the millage system over the hit-or-miss special appropriation method for buildings than in the history of the University of Iowa. Excluding the Old Capitol, the first building at the University, originally a gift from the United States, from the beginning of the University up to the first installment of the millage tax in 1896 there were erected ten buildings, of cheap construction, without architectural merit, at an original expenditure of \$234,375. These buildings were not fireproof, and three of them were destroyed by fire, with great accompanying loss of their equipment, apparatus, and valuable specimens, to say nothing of the interruption of the work of the University. Under the millage, including the buildings erected and contracted for, with the two buildings for which a special appropriation was granted, there will have been erected 18 buildings since the beginning of the millage in 1896, or twice as many buildings as were put up from the beginning of the University during nearly a half century. The total cost of these buildings was \$1,093,050, as compared with the total original cost of the earlier nine buildings of \$234,875. The buildings under the millage, with two exceptions, have been fireproof, of stone, built to last for all time, harmonious in architecture, chaste in their simplicity, and unsurpassed in their adaptation to their uses. They have been erected with the future in view, combining artistic and economic effects. Olmsted Bros., of Boston, have been consulting landscape architects. They and other experts and educators, who have visited the University declare that it has unique advantages for its buildings and cam-

pus. These advantages come from the University entering upon its building era later than sister universities, enabled by the millage to adopt consistent and economic building policies, and having unusual physical advantages in the location of the University on the slope in connection with the Iowa river.

BUILDINGS ERECTED AND REPAIRED FROM THE MILLAGE.

Date of Erect.		Amount
1897	University hospital, and power plant.....	\$ 74,284.45
1897	Hall of Liberal Arts.....	191,407.89
1901	Central heating and power plant.....	54,000.00
1902	New Medical Buildings (Hall of Anat. and Lab.).....	1165,000.00
1904	Natural Science Building.....	275,372.05
1905	Armory and athletic pavilion.....	33,138.71
1905	Engineering Hall.....	109,843.74
1907	Steam laboratory.....	9,181.09
1907	Greenhouse.....	5,415.84
1908	Hospital wing.....	69,501.88
1908	Engineering Building wing.....	57,071.38
1908	Hydro-electric plant.....	5,453.21
1908	President's house.....	25,087.78
1908	Engineering shops.....	20,000.00
1909	Law building.....	120,000.00
1910	New Physics Building.....	225,000.00
1910	Proposed contract for hospital wing.....	
	Total cost of buildings (excluding proposed hospital wing).....	\$ 1,248,050.00
	Total from special appropriations.....	120,000.00
	Total from millage tax.....	\$ 1,228,050.00

*\$50,000 of this from special appropriation, 29th G. A. 1908.

+ 50,000 of this from special appropriation, 30th G. A. 1904.

‡ 20,000 of this from special appropriation, 31st G. A. 1906.

\$120,000

The cheapness of the construction of the old buildings, making necessary their renovation, removal, and enlargement, made an extremely profitable application of \$34,877.33 of the millage to modernize these buildings.

BUILDINGS RENOVATED, REMOVED OR ENLARGED FROM THE TAX.

They are the following:

School of Music.....	\$ 1,320.21
Electrical Engineering Building.....	1,500.00
Old Science Hall.....	21,286.72
Hall of Dentistry.....	7,995.40
Homeopathic Hospital.....	2,775.00
	\$ 34,877.33

BETTER BUILDINGS RESULT OF MILLAGE.

Warned by the expense of keeping in repair the original cheap buildings, and by their burning, with faith for the future, and in the state's present purpose to have permanent, modern and artistic structures, the University, despite its dire need of cubic feet, has built fewer but better buildings.

MANY BUILDINGS STILL NEEDED.

The University is still far behind its sister institutions within and without the state in the matter of buildings, owing to the small appropriations from the beginning until the millage was granted. The University has yet many standard buildings to be erected. Since the millage was granted, the institution has more than doubled in its attendance. The new kinds and a higher quality of work have been demanded by advances in education. Despite, therefore, the splendid buildings the millage has given, the institution is in as great a need for buildings as in 1896.

With many additional buildings completed, we would not be better equipped than the state universities now are with which we have to compete, and it goes without saying we would not compare with the private foundations, these sister institutions having heretofore so far outstripped us. The private colleges and even the high schools of the state, relatively speaking, have recently put up such substantial and fine buildings as make it imperative for the University in its place to go forward with its present building operations. The chief argument is the actual and immediate need, in order to house the students and do good work for them. Perhaps the following are the most urgently needed:

The Woman's Building; the Gymnasium; the Library; the Chemistry Building; Fireproofing of the Old Capitol.

These buildings just named indeed have already been recommended by special committees of the former governing board, and would more than consume the income of the millage for another five years. There is such a crying need of several of the other buildings that their advocates would have to be heard by the Board as to whether or not their building should not have precedence over those recommended.

THE SCHOLASTIC BENEFITS OF THE MILLAGE.

The greatest benefit from the millage, to the University, much as the public is impressed by the buildings, is the development of the real work of the University. Some times the building era of a University is at the expense of its school work. Just the contrary has been the result at this University. The tide of migration of Iowa students outside the state has in part been turned by the sight of the buildings and by knowledge of the State's consistent policy under the millage, of equipping the institutions. The positively unsanitary conditions for the professors and students in the form of overcrowded and unventilated buildings have been removed.

The underpaid staff of instruction in part has been held because of the facilities and equipment given them in these buildings. The quality of the instruction, so dependent in these days, even in the literatures as well as the sciences, upon the laboratory methods has been improved. Many lines of research (the very essence of a University) requiring proper

housing, have been strengthened and the Graduate College made possible. The new buildings have made it possible for the University to serve the public welfare; for example, the State Bacteriological Laboratory in service of the public health, the psychological Laboratory in service of the schools, etc. In short, one of the original chief factors contributing to the recognition of the University has been due to the millage tax.

Respectfully submitted,

GEORGE E. MACLEAN.

ANNUAL REPORT
OF THE
SECRETARY OF THE STATE UNIVERSITY OF IOWA
TO THE GOVERNOR AND THE THIRTY-FOURTH
GENERAL ASSEMBLY
1908-1909
July 1, 1909

RECEIPTS AND EXPENDITURES.

July 1, 1908, to June 30, 1909.

Cash on hand July 1, 1908.....	\$ 13,801.17	
Total receipts for the year.....	543,562.57	
Total expenditures for the year.....		\$529,021.78
Cash on hand June 30, 1909.....		28,341.96
		<hr/>
	\$557,363.74	\$557,363.74

BALANCES.

Income fund	\$ 8,161.37	
Building Tax fund.....	9,780.35	
Library fund	2.74	
Special Land fund.....	1,637.70	
Donated Land fund.....	674.03	
A. W. Carr Scholarship Income fund.....	3,661.42	
F. O. Lowden Prize Income fund.....	243.75	
W. J. Bryan Prize Income fund.....	23.62	
Equipment New Medical Buildings fund.....	382.18	
Equipment and Supplies fund.....	3,048.17	
Engineering Shops fund.....	63.20	
Care and Improvement of Campus fund.....	113.99	
Mark Ranney Memorial Interest fund.....	499.44	
Waite Lowry Gifford Memorial Interest fund.....	50.00	
		<hr/>
		\$ 28,341.96

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE FISCAL
YEAR ENDING JUNE 30, 1909.

RECEIPTS.

1908-1909.

From State appropriations for support:		
32nd G. A., chapter 212, section 2.....	\$200,500.00	
32nd G. A., chapter 214, section 1.....	35,000.00	
33rd G. A., chapter 244, section 1.....	4,532.92	
		<hr/>
Total		\$240,032.92
From State appropriations for buildings:		
29th G. A., chapter 171, section 2, 1-5 mill tax....		95,000.00

From State appropriations for special purposes:

32nd G. A., chapter 212, section 2, repair and contingent fund	\$ 7,500.00
32nd G. A., chapter 214, section 2, repair and contingent fund	2,500.00
32nd G. A., chapter 214, section 2, library fund..	5,000.00
32nd G. A., chapter 214, section 2, equipment and supplies fund	10,000.00
32nd G. A., chapter 214, section 2, equipment Natural Science Building, etc., fund.....	17,500.00
32nd G. A., chapter 214, section 2, paving and sidewalks fund	2,500.00
32nd G. A., chapter 214, section 2, special land fund	12,500.00
32nd G. A., chapter 214, section 2, care and improvement of campus fund.....	2,000.00

Total..... 59,500.00

Total from State appropriations for all purposes \$394,532.92

From productive funds:

Income from permanent land endowment fund..	12,127.96
From tuitions—all colleges	69,142.50
From miscellaneous sources—Income fund.....	60,047.59
From material sold—Engineering Shops fund.....	20.74
From material sold—Paving and Sidewalks fund..	23.46
From material sold—Building Tax fund.....	14.33
From material and books sold—Library fund.....	49.95
From Athletic Union (one-half cost of concrete football bleachers)—Donated Land fund.....	799.01
From rents—Special Land fund.....	1,121.00

*From special funds:

A. Whitney Carr Free Scholarship Income fund..\$	2,457.90
W. J. Bryan Prize Income fund.....	12.50
F. O. Lowden Prize Income fund.....	175.00
Mark Ranney Memorial Income fund.....	2,764.56
Waite Lowry Gifford Memorial Income fund.....	50.00

Total from special funds..... \$ 5,459.96

Warrants canceled—Income fund..... 223.15

Total income from all sources for all purposes, 1908-1909 \$543,562.57

Total balance in all funds, July 1, 1908..... 13,801.17

Grand total \$557,363.74

*These funds are in the nature of University trusts, the proceeds being used for scholarships, prizes, etc.

EXPENDITURES.

1908-1909.

Income fund	\$371,919.02
Library fund	5,047.21
Building Tax fund.....	105,317.32
Repair and Contingent fund.....	12,120.57
Equipment and Supplies fund.....	8,065.65
Equipment fund, Natural Science Building, etc....	56.00
Equipment New Medical Buildings fund.....	144.33
Engineering Shops, etc., fund.....	472.56
Paving and Sidewalks fund.....	2,979.66
Special Land fund	14,777.60
Donated Land fund.....	1,598.03
Care and Improvement of Campus fund.....	1,903.71
A. Whitney Carr Scholarship Income fund.....	2,195.00
F. O. Lowden Prize Income fund.....	150.00
W. J. Bryan Prize Income fund.....	10.00
Mark Ranney Memorial Income fund.....	2,265.12

Total expenditures \$529,021.78

Total balance on hand June 30, 1909..... 28,341.96

Grand total..... \$557,363.74

INCOME FUND—1908-1909.

RECEIPTS.

From State appropriations:

32nd G. A., chapter 212, section 2.....	\$200,500.00
32nd G. A., chapter 214, section 2.....	35,000.00
33rd G. A., chapter 244, section 1.....	4,532.92

\$240,032.92

From tuitions:

College of Liberal Arts	\$ 18,803.25
College of Applied Science	3,934.50
College of Law	10,713.00
College of Medicine	13,707.50
College of Homeopathic Medicine	1,864.00
College of Dentistry	9,281.00
College of Pharmacy	3,816.25
Graduate College	145.00
Summer Session and Library School.....	1,649.50
Special Examination fees.....	210.00
School of Music	5,018.50

69,142.50

From miscellaneous sources:

Diploma fees	\$ 3,690.00	
University Hospital receipts.....	36,270.19	
Ophthalmology and Otology receipts.....	757.24	
University Homeopathic Hospital receipts.....	7,793.02	
Dental Clinic receipts.....	7,741.00	
Law Loan Book account.....	278.50	
Interest on daily bank balance.....	1,742.94	
Miscellaneous cash—material sold, laboratory breakage, locker rentals, etc.....	1,774.70	
		60,047.59
Interest on Permanent Land fund.....	\$ 11,927.96	
Rent on Permanent Land fund.....	200.00	
		12,127.96
Warrants canceled.....		223.15
		381,574.12
Total receipts, Income fund, 1908-1909.....		3,141.00
Balance, cash on hand, July 1, 1908.....		
		384,715.12
Grand total.....		

SUMMARY OF EXPENDITURES.

College of Liberal Arts:		
Salaries	\$100,949.00	
Departmental expenses	8,251.16	
		\$109,200.16
College of Applied Science:		
Salaries		26,500.00
College of Law:		
Salaries	\$ 14,749.92	
Supplies and incidentals.....	104.57	
		14,854.49
College of Medicine:		
Salaries	\$ 24,775.00	
Supplies, apparatus, etc.....	10,441.61	
		35,216.61
College of Homeopathic Medicine:		
Salaries	\$ 5,330.00	
Supplies, apparatus, etc.....	123.66	
		5,453.66
College of Dentistry:		
Salaries	\$ 14,425.00	
Supplies, apparatus, etc.....	6,429.60	
		20,854.60
College of Pharmacy:		
Salaries	\$ 3,880.00	
Supplies, apparatus, etc.....	1,861.56	
		5,741.56

Graduate College:

Fellowships and scholarships.....	\$ 3,835.00	
Supplies, etc.	311.46	
		4,146.46

Summer Session and Library School:

Salaries	\$ 6,106.05	
Supplies and incidentals.....	287.44	
		6,393.49

General Library:

Salaries	\$ 4,456.60	
Supplies and assistance by the hour.....	1,024.15	
		5,480.75

Administration:

Salaries	\$ 13,690.00	
Supplies and assistance by the hour.....	1,424.94	
		15,114.94

University Extension expenses.....	446.32	
Law Loan Book account.....	123.14	
General expenditures from Income fund.....	75,491.38	
University Hospital expenditures.....	33,745.01	
University Homeopathic Hospital expenditures....	7,847.95	
Tuitions refunded by order of the Board of Regents	290.00	
Tuitions in the School of Music, collected by the Secretary and turned over to Effie Mae Proffitt, Director of the School.....	5,018.50	

Total expenditures from Income fund, 1908-1909

		\$371,919.02
Transfers by order of the Board of Regents:		
To Paving and Sidewalks fund.....	\$ 216.06	
To Repair and Contingent fund.....	2,121.07	
To Equipment Natural Science Building, etc., fund	2,297.60	
		4,634.73
Total		\$376,553.75
Balance June 30, 1909.....		8,161.37
		384,715.12
Grand total.....		\$384,715.12

ITEMIZED EXPENDITURES—COLLEGE OF LIBERAL ARTS.

Botany:

Thomas H. Macbride, Professor.....	\$ 2,500.00	
Bohumil Shimek, Professor	1,800.00	
R. B. Wylie, Professor	1,600.00	
Lucy M. Cavanagh, Herbarium Assistant.....	400.00	
Irma A. Uhde, Assistant.....	36.00	
Supplies and apparatus.....		\$ 295.83

Chemistry:

Elbert W. Rockwood, Professor.....	2,400.00	
John N. Pearce, Assistant Professor.....	1,200.00	
Wm. J. Karlake, Assistant Professor.....	1,200.00	
Chas. D. Poore, Assistant Professor.....	900.00	
Guy G. Frary, Instructor.....	750.00	
Frederick A. Hull, Assistant Instructor.....	750.00	
Ferdinand Nelson, Assistant Instructor.....	750.00	
Robert Kent, Storekeeper	600.00	
E. J. Fry, Assistant.....	100.00	
Supplies and apparatus.....		3,708.22

Education:

F. E. Bolton, Professor and Director.....	\$ 2,750.00	
F. C. Ensign, Professor and High School Inspector	1,600.00	
H. C. Dorcas, Professor and University Examiner	1,600.00	
R. M. Stewart, Assistant.....	400.00	
Myrta G. West, Assistant.....	200.00	
George H. Mount, Assistant.....	200.00	
Bertha Sparks, Stenographer (12 mos.)..	600.00	
Supplies, traveling expenses, etc.....		564.29

English:

C. F. Ansley, Professor.....	3,000.00	
E. F. Piper, Assistant Professor.....	1,100.00	
Sam B. Sloan, Assistant Professor.....	1,100.00	
Percival Hunt, Assistant Professor.....	1,100.00	
Mary G. Chawner, Instructor.....	800.00	
May Shuck, Instructor.....	800	
Ellen Geyer, Instructor.....	800.00	
Laura Anderson, Assistant.....	250.00	
Theme readers		1,250.00
Incidentals		5.26

Chair of Public Speaking:

H. E. Gordon, Professor.....	2,000.00	
Gertrude Johnson, Instructor.....	600.00	
F. H. Randall, Assistant in Debate.....	400.00	
Supplies and incidentals.....		25.85

Geology:

Samuel Calvin, Professor.....	2,400.00	
George F. Kay, Professor.....	1,800.00	
John Carville, Attendant.....	450.00	
Supplies, etc.		356.26

German:

C. B. Wilson, Professor.....	2,200.00	
F. B. Sturm, Assistant Professor.....	1,200.00	
Leon Metzinger, Assistant Instructor.....	700.00	
H. W. Krieger, Assistant Instructor.....	600.00	
J. T. Geissendoerfer, Assistant Instructor.....	600.00	
Supplies, etc.		6.20

Greek:

C. H. Weller, Professor and University Editor..	2,000.00	
Francis Schneider, Assistant.....	400.00	

History:

W. C. Wilcox, Professor.....	2,400.00	
H. G. Plum, Professor.....	1,400.00	
Paul S. Pierce, Assistant Professor.....	1,500.00	

Latin:

F. C. Eastman, Professor.....	2,000.00	
F. H. Potter, Professor	1,500.00	
George M. Sharrard, Instructor.....	800.00	
Supplies, etc.		16.00

Mathematics and Astronomy:

L. G. Weld, Professor and Dean.....	3,000.00	
R. P. Baker, Instructor.....	1,000.00	
J. F. Reilly, Instructor.....	900.00	
C. G. Simpson, Instructor.....	900.00	
Sarah E. Cronin, Instructor.....	800.00	
F. M. Dryzer, Assistant Instructor.....	800.00	
Ralph E. Root, Acting Instructor.....	800.00	
Supplies, etc.		84.94

Military Science:

C. W. Weeks, Professor and Commandant (12 mos.)	288.00	
H. G. Cox, Bandmaster	300.00	
Supplies, etc.		180.46

Philosophy and Psychology:

C. E. Seashore, Professor and Dean.....	2,200.00	
E. D. Starbuck, Professor.....	1,800.00	
Mabel C. Williams, Instructor.....	500.00	
Supplies, etc.		381.09

Physical Training and Athletics:

M. S. Catlin, instructor in charge.....	900.00	
E. G. Schroeder, Assistant Instructor in charge of Gymnastics	1,200.00	
Alice C. Wilkinson, Assistant Instructor in charge of physical training for women.....	1,000.00	
Pianist in Woman's Gymnasium.....		89.20

Supplies—Woman's Gymnasium.....	39.90	
Supplies—Men's Gymnasium.....	116.73	
Physics and Mechanics:		
K. E. Guthe, Professor.....	2,500.00	
A. G. Smith, Professor.....	1,800.00	
L. P. Sieg, Assistant Professor.....	1,000.00	
A. G. Worthing, Instructor.....	900.00	
Shirley Hovey, Laboratory Assistant.....	50.00	
J. O. Perrine, Undergraduate Assistant.....	100.00	
Political Economy and Sociology:		
I. A. Loos, Professor and Director.....	2,500.00	
J. L. Gillin, Assistant Professor.....	1,200.00	
C. W. Wassam, Acting Assistant Professor.....	1,200.00	
Henry H. Phelps, Lecturer on Accountancy....	85.00	
S. H. Goodyear, Lecturer on Accountancy.....	100.00	
Clifford Thorne, Lecturer	15.00	
Supplies, stenographic service, etc.....		116.96
Political Science:		
B. F. Shambaugh, Professor.....	2,100.00	
F. E. Horack, Assistant Professor.....	1,200.00	
Romance Languages:		
S. H. Bush, Professor.....	2,000.00	
C. C. Rice, Assistant Professor.....	1,000.00	
Chas. O. Stewart, Instructor.....	900.00	
Scandinavian:		
G. T. Flom, Professor.....	1,400.00	
Zoology:		
C. C. Nutting, Professor.....	2,250.00	
Gilbert L. Houser, Professor.....	1,600.00	
H. F. Wickham, Professor.....	1,300.00	
F. A. Stromsten, Instructor	800.00	
Homer R. Dill, Taxidermist (12 mos.).....	1,400.00	
Dayton Stoner, Assistant in Museum.....	125.00	
Elmer Godown, Assistant in Animal Biology....	100.00	
R. D. Taylor, Undergraduate Assistant in Animal Biology	25.00	
Otto Kampmeier, Undergraduate Assistant in An- imal Biology	25.00	
J. P. Jeffrey, Undergraduate Assistant in Animal Biology	25.00	
Elizabeth Childer, Mimeographer in Animal Bi- ology	25.00	
Supplies for animal biology.....		361.39
Supplies for zoology and entomology.....		108.30
Supplies for Museum.....		328.86

University Examiner—stenographic service and supplies	128.67
University Editor—stenographic service and sup- plies	87.25
Clara M. Schultz, Clerk to the Dean of the College of Liberal Arts	600.00
Total salaries, College of Liberal Arts.....	\$100,949.00
Total departmental expenses, College of Lib- eral Arts	8,251.16
Grand total	\$109,200.16

ITEMIZED EXPENDITURES—COLLEGE OF APPLIED SCIENCE.

Civil Engineering:	
Wm. G. Raymond, Professor and Dean (12 mos.)..	\$ 5,500.00
E. J. Lambert, Professor of Structural Engineer- ing	1,700.00
C. E. Gordon, Assistant Professor.....	1,500.00
W. H. Dunlap, Instructor.....	1,000.00
Drawing and Descriptive Geometry:	
F. G. Higbee, Assistant Professor.....	1,500.00
W. L. Fulton, Instructor.....	1,000.00
J. H. Dunlap, Instructor.....	1,000.00
W. W. Smith, Instructor.....	800.00
Mechanical Engineering:	
S. M. Woodward, Professor of Hydraulics and En- gineering Materials	2,400.00
F. G. Baender, Superintendent of Shops and As- sistant Professor	1,500.00
J. E. Boynton, Instructor.....	1,200.00
H. D. B. Shaw, Acting Instructor and University Mechanician	900.00
George J. Keller, Instructor.....	900.00
Mining:	
A. W. Hixson, Instructor.....	1,200.00
Marcia O. Dunham, Clerk to the Dean (12 mos.)	600.00
Total salaries, College of Applied Science.....	\$ 26,500.00

ITEMIZED EXPENDITURES—COLLEGE OF LAW.

C. N. Gregory, Professor and Dean.....	\$ 4,000.00
Samuel Hayes, Professor.....	2,300.00
E. A. Wilcox, Professor.....	2,300.00
L. M. Byers, Professor.....	1,800.00

H. C. Horack, Professor.....	2,750.00	
H. M. Towner, Lecturer.....	500.00	
C. M. Dutcher, Lecturer.....	100.00	
M. L. Ferson, Law Librarian (part time).....	300.00	
D. H. Sheehan, Assistant Law Librarian.....	400.00	
V. E. Gabrielson, Assistant in Law Library.....	25.00	
R. E. Miller, Assistant in Law Library.....	25.00	
P. C. West, Assistant in Law Library.....	25.00	
L. M. Bechtel, Assistant in Law Library (5 mos.)..	12.50	
H. K. Lockwood, Assistant in Law Library (5 mos.)	12.50	
Fred Hamilton, Stenographer to the Dean (12 mos.)	199.92	
Supplies and incidentals.....	\$ 101.88	
Practice Court incidentals.....	2.69	
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Total salaries, College of Law.....	\$ 14,749.92	
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Total supplies, College of Law.....	\$ 104.57	
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Grand total	\$ 14,854.49	

ITEMIZED EXPENDITURES—COLLEGE OF MEDICINE.

Anatomy, Histology and Embryology:

H. J. Prentiss, Professor.....	\$ 3,400.00	
F. P. Lord, Instructor.....	1,100.00	
Ira N. Crow, Assistant Demonstrator.....	600.00	
J. J. Lambert, Instructor in Histology and Embryology	1,000.00	
John G. Rohrig, Assistant in Histology and Embryology	100.00	
George A. May, Undergraduate Assistant.....	75.00	
F. A. Barber, Undergraduate Assistant.....	50.00	
J. C. McFate, Instructor (1 mo.).....	85.00	
Supplies for anatomy.....	\$ 250.81	
Supplies for histology.....	83.55	
Dissecting material	6,183.80	

Gynecology and Obstetrics:

J. R. Guthrie, Professor and Dean.....	1,200.00	
W. R. Whitels, Professor.....	500.00	
E. B. Howell, Assistant (4 mos.).....	60.00	
Apparatus and supplies.....	79.55	
Fund for clinic.....	570.93	

Materia Medica:

C. S. Chase, Professor.....	2,000.00	
J. C. McGregor, Instructor.....	150.00	
John T. Padgham, Undergraduate Assistant.....	150.00	
H. L. Husted, Undergraduate Assistant.....	50.00	
Supplies	158.61	

Ophthalmology, Otolaryngology, Rhinology, and Laryngology:

L. W. Dean, Professor.....	1,100.00	
W. F. Boiler, Assistant.....	200.00	
H. M. Ivins, Clinical Assistant.....	500.00	
Mary K. Heard, Instructor.....	250.00	
Supplies		1,554.20

Pathology and Bacteriology:

Henry Albert, Professor.....	1,500.00	
E. J. Ringena, Assistant Instructor.....	600.00	
F. A. Slyfield, Assistant.....	150.00	
C. W. Knapp, Undergraduate Assistant.....	125.00	
Anna Stach, Stenographer (12 mos.).....	180.00	
Jos. Anderson, Attendant (12 mos.).....	600.00	
Supplies and laboratory expense.....		413.64

Physiology:

J. T. McClintock, Professor.....	2,000.00	
R. E. Kleinsorge, Acting Instructor.....	1,000.00	
M. B. Call, Undergraduate Assistant.....	100.00	
Supplies, etc.		344.23

Surgery:

Wm. Jepson, Professor.....	1,100.00	
A. J. Burge, Assistant Professor.....	1,250.00	
Supplies		94.69

Theory and Practice:

W. L. Bierring, Professor and Vice-Dean.....	1,100.00	
Clarence Van Epps, Assistant Professor.....	1,200.00	
J. H. Peck, Undergraduate Assistant.....	100.00	
C. S. Grant, Instructor in Paediatrics.....	400.00	
Mary Wombacher, Stenographer to Vice-Dean (12 mos.)	100.00	
Supplies		484.35

Lecturers:

J. B. Kessler, Lecturer on Dermatology.....	200.00	
Max E. Witte, Lecturer on Mental Diseases.....	200.00	
C. I. Lambert, Lecturer.....	200.00	
Elizabeth Hendrie, Instructor in Massage.....	100.00	
Medical Alumni Clinic.....		223.25

Total salaries, College of Medicine.....\$ 24,775.00

Total supplies, College of Medicine..... 10,441.61

Grand total \$ 35,216.61

ITEMIZED EXPENDITURES—COLLEGE OF HOMEOPATHIC
MEDICINE.

Materia Medica:

George Royal, Professor and Dean.....\$ 1,200.00

Obstetrics:

F. J. Becker, Professor..... 950.00
Supplies \$ 25.87

Ophthalmology and Otology:

W. L. Bywater, Professor and Vice-Dean..... 850.00
Supplies 26.55

Surgery:

F. C. Titzell, Professor..... 1,100.00
Supplies 54.30

Theory and Practice:

Raymond E. Peck, Professor..... 950.00
Supplies 16.94

T. L. Hazard, Lecturer on Paedology..... 200.00

Calvin O. Brewster, Anaesthetist..... 50.00

J. W. Cogswell, Anaesthetist..... 30.00

Total salaries, College of Homeopathic Med-
icine\$ 5,330.00Total supplies, College of Homeopathic Med-
icine 123.66

Grand total \$ 5,453.66

ITEMIZED EXPENDITURES—COLLEGE OF DENTISTRY.

Operative Dentistry:

F. T. Breene, Professor.....\$ 1,100.00
R. H. Volland, Assistant Professor..... 1,800.00

Oral Surgery:

G. V. I. Brown, Professor..... 1,200.00

Orthodontia:

Richard Summa, Professor..... 1,200.00

Prosthetic Dentistry:

W. S. Hosford, Professor and Dean..... 1,900.00
Henry Morrow, Assistant Professor..... 1,500.00
C. W. Harned, Demonstrator..... 900.00

Regional Anatomy and Clinical Dentistry:

E. A. Rogers, Professor and Superintendent of
Clinics 1,800.00
Henry C. Pelton, Assistant Demonstrator and As-
sistant in Orthodontia..... 1,200.00
C. W. Wilkinson, Clinical Demonstrator..... 900.00Ella Baschnagel, Clerk 500.00
Mary Otto, Assistant Clerk..... 200.00
Edward Conner, Custodian (half time)..... 225.00
Dues—Dental Association \$ 10.00
Dental Clinics 5,692.60
Dental Laboratory 461.24
Dental Alumni Clinic..... 253.31
Stenographic service 12.45

Total salaries, College of Dentistry.....\$ 14,425.00

Total expenses, College of Dentistry..... \$ 6,429.60

Grand total \$ 20,854.60

ITEMIZED EXPENDITURES—COLLEGE OF PHARMACY.

Wilbur J. Teeters, Professor and Dean.....\$ 2,000.00
Zada M. Cooper, Instructor..... 800.00
R. A. Kuever, Assistant Instructor (12 mos.)..... 1,080.00
Pharmacy supplies \$ 1,719.45
Pharmacy botany supplies..... 48.61
Stenographic service 93.50

Total salaries, College of Pharmacy.....\$ 3,800.00

Total supplies, etc., College of Pharmacy..... \$ 1,361.56

Grand total \$ 5,741.56

ITEMIZED EXPENDITURES—GRADUATE COLLEGE.

Mary L. Woods, Fellow in Botany.....\$ 225.00
Ralph C. Huston, Fellow in Chemistry..... 225.00
Edw. L. Schaub, Fellow in Philosophy and Psychol-
ogy (1 mo.) 22.50
John G. Griffith, Fellow in Zoology..... 225.00
Fred Moore, Fellow in Internal Medicine..... 225.00
F. S. Bridger, Scholar in Chemistry (1 mo.)..... 12.50
C. L. Simmers, Scholar in Education..... 125.00
Florence Mingus, Scholar in Education..... 125.00
R. H. Sylvester, Scholar in Education..... 125.00
Nina Hohenshelt, Scholar in English..... 125.00
Mary T. Muelleh, Scholar in English..... 125.00
Clara H. Baker, Scholar in English..... 125.00
Hilda Taylor, Scholar in English..... 125.00
Florence Joy, Scholar in English (4 mos.)..... 40.00
A. O. Thomas, Scholar in Geology..... 125.00
M. E. Wilson, Scholar in Geology..... 125.00
Mary A. Minthorn, Scholar in Fine Arts (1 mo.).. 12.50
Orie Friedline, Scholar in German..... 125.00

Louis C. Marolf, Scholar in German.....	125.00	
Alice E. Page, Scholar in History.....	125.00	
Ora Carrell, Scholar in History.....	125.00	
Mildred Hershire, Scholar in Latin (5 mos.).....	62.50	
Gertrude Branson, Scholar in Mathematics.....	125.00	
Martha Macdonald, Scholar in Mathematics.....	125.00	
Caroline Otis, Scholar in Mathematics.....	125.00	
Misao Imai, Scholar in Philosophy and Psychology.	125.00	
J. C. Richter, Scholar in Philosophy and Pschyology	100.00	
Mary L. Green, Scholar in Political Economy and Sociology	125.00	
J. D. Long, Scholar in Physics.....	125.00	
Albert Kuntz, Scholar in Zoology.....	125.00	
Dayton E. Merrill, Scholar in Zoology.....	125.00	
Winifred Morris, Scholar in English (6 mos.)....	60.00	
Typewriter		\$ 70.00
Stenographic service and supplies.....		241.46
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Total Fellowships and Scholarships, Graduate College	\$ 3,835.00	
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Total supplies, etc., Graduate College.....	\$ 311.46	
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Grand total	\$ 4,146.46	

ITEMIZED EXPENDITURES—LIBRARY.

M. G. Wyer, Librarian.....	\$ 1,700.00
Harriet E. Howe, Head Cataloguer.....	950.00
Caroline Langworthy, Ass't Cataloguer (3 mos.)..	199.98
Jennie E. Roberts, Assistant Cataloguer.....	776.62
Nina Shaffer, Reference Assistant (8 mos.).....	480.00
Meda Holman, Assistant (10 mos.).....	350.00
Assistance by the hour.....	\$ 676.40
Supplies and incidentals.....	347.75
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Total salaries, Library.....	\$ 4,456.60
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Total help by the hour and supplies, Library..	\$ 1,024.15
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Grand total	\$ 5,480.75

ITEMIZED EXPENDITURES—SUMMER SESSION AND LIBRARY SCHOOL.

Summer Session:	
Bohumil Shimek, Professor of Botany.....	\$ 250.00
J. E. Gow, Instructor in Botany.....	100.00
Lucy M. Cavanagh, Asistant in Botany.....	45.00
E. W. Rockwood, Professor of Chemistry.....	250.00
Perry A. Bond, Assistant in Chemistry.....	45.00

F. E. Bolton, Professor of Education and Director of the Summer Session.....	500.00
E. D. Starbuck, Professor of Education and Phil- osophy	250.00
A. W. Trettien, Lecturer in Education.....	250.00
C. G. Pearse, Lecturer in Education.....	100.00
J. J. McConnell, Lecturer in Education.....	50.00
A. D. King, Assistant in Educational Library....	30.00
Sam B. Sloan, Assistant Professor of English....	150.00
Percival Hunt, Assistant Professor of English..	150.00
Alta Robinson, Theme Reader in English.....	22.50
Ella Waterbury, Theme Reader in English....	22.50
C. B. Wilson, Professor of German.....	250.00
Richard Wischkaemper, Instructor in German..	100.00
P. S. Pierce, Assistant Professor of History.....	150.00
F. C. Eastman, Professor of Latin.....	250.00
C. H. Weller, Professor of Greek.....	250.00
A. C. Newell, Supervisor of Manual Training....	250.00
R. P. Baker, Instructor in Mathematics.....	100.00
G. E. Wahlin, Instructor in Mathematics.....	100.00
J. F. Reilly, Instructor in Mathematics.....	100.00
C. E. Seashore, Professor of Philosophy and Psy- chology	250.00
Mabel C. Williams, Instructor in Psychology....	100.00
B. F. Shambaugh, Professor of Political Science.	250.00
K. E. Guthe, Professor of Physics.....	250.00
L. P. Sleg, Instructor in Physics.....	100.00
S. H. Bush, Professor of Romance Languages..	250.00
C. C. Nutting, Professor of Zoology.....	250.00
John G. Griffith, Assistant in Zoology.....	45.00
I. A. Loos, Professor of Political Economy and Sociology	250.00
C. W. Wassam, Assistant Professor of Political Economy and Sociology	150.00
Stenographic service	\$ 82.05
J. J. McConnell, traveling expenses.....	5.00
C. G. Pearse, traveling expenses.....	27.56
Advertising, Midland Schools.....	97.50
Supplies	33.54
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Library School:	
Harriet E. Howe.....	150.00
J. I. Wyer, Jr.	125.00
Edna Lyman	75.70
Miriam E. Carey.....	55.35
Harriet A. Wood.....	40.00
Alice S. Tyler, expenses.....	25.00
Margaret W. Brown, expenses.....	5.35
Grace D. Rose, expenses.....	2.16

Lillian B. Arnold, expenses.....	5.84
Ellen D. Biscoe, expenses.....	3.44
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Total salaries, Summer Session and Library School, 1908	\$ 6,106.05
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Total expenses, Summer Session and Library School, 1908.....	\$ 287.44
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Grand total	\$ 6,393.49

ITEMIZED EXPENDITURES—UNIVERSITY EXTENSION.

Expended for traveling expenses, printing, stereopticon supplies, stenographic service, etc., for University Extension work.....	\$ 446.32
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ITEMIZED EXPENDITURES—ADMINISTRATION.

President's Office:	
George E. MacLean, President.....	\$ 6,000.00
Florence Nadler, Clerk (6½ mos.).....	325.00
Alice B. Chase, Executive Clerk (5½ mos.).....	330.00
W. J. Watson, Stenographer (part time).....	120.00
Furniture and supplies.....	\$ 83.50
Registrar's Office:	
E. C. Barrett, Registrar and and Secretary to the President	1,500.00
Helen C. Gilchrist, Assistant.....	660.00
Bessie Pierce, Assistant.....	355.00
Furniture and supplies.....	312.29
Assistance by the hour.....	574.82
Secretary's Office:	
W. J. McChesney, Secretary.....	2,000.00
W. H. Bates, Assistant.....	1,100.00
Furniture and supplies.....	104.33
Assistance by the hour.....	350.00
Treasurer's Office:	
Lovell Swisher, Treasurer.....	800.00
Dean of Women:	
Mrs. Mable M. Volland, Acting Dean.....	500.00
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Total salaries, Administration.....	\$ 13,690.00
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Total assistance by the hour, furniture supplies, etc., Administration	\$ 1,424.94
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Grand total	\$ 15,114.94

GENERAL EXPENDITURES FROM INCOME FUND.

President's traveling expenses.....	\$ 620.36
Commencement expenses	1,361.58
Commencement Frolic expenses.....	68.80
M. L. Ferson, Secretary to the Alumni Bureau (9 mos.)	900.00
Alumni Bureau—Stenographic service, supplies, etc.	552.65
General unclassified account.....	6,396.78
This sum was expended for items for which no special appropriations were made.	
Mimeographic and stenographic supplies for all departments	315.20
Board of Publication	157.45
This sum was expended in publishing "Contributions from the Departments of Pathology and Bacteriology," by Dr. Henry Albert; "Studies in Psychology," Vol. 5, by Dr. Carl E. Seashore; also reprints of article by Dr. K. E. Guthe in the "Academy of Science."	
General Lectures.....	100.14
This sum was expended in paying the expenses of lecturers for University assemblies and vesper services, as follows: Dr. Oscar Montellius, President Wm. A. Shanklin, Senator A. V. Proudfoot, Major S. H. M. Byers, Professor C. H. Horn, Professor J. H. Betts, Mary MacLeod, Henry F. Cope, Representative S. W. Boe, Frank A. Sanders, Professor J. D. Stoops, and Professor H. C. Stancliff.	
Printing and paper.....	2,579.39
Publications, stationery, and miscellaneous printing.	
Calendars and announcements.....	2,776.54
Cost of printing the calendar and the announcements of all schools and colleges.	
Postage: On general matter.....	2,315.50
On second class matter.....	150.00
Telegrams	82.40
Advertising	2,130.20
Advertising of the University in miscellaneous publications, also printing and framing of pictures of University buildings and sending the same to the high schools and public libraries of the state.	
David S. Welch, Assistant Superintendent of Grounds and Buildings, salary.....	915.00
F. P. Englert, University Carpenter, salary.....	780.00

S. E. Shaff, Electrician, salary.....	540.00
Mr. Shaff received \$1,080 for the year 1808-9, the remainder being charged to building fund accounts and to the repair and contingent fund, his work being in part such as is properly chargeable to these funds.	
W. L. Busch, Superintendent of Janitors (2 mos.)..	150.00
Ellsworth Bright, Head Janitor (10 mos.).....	621.82
G. H. Ellsworth, Superintendent of Grounds and Buildings (one-half salary)	1,000.00
Mr. Ellsworth received \$2,000 for the year 1908-9, the remainder being charged to the Building Tax fund.	
Janitor service	15,062.90
Janitors are paid from \$40 to \$55 a month; student help, 15 cents an hour.	
Janitors' supplies	1,544.81
Engineer and firemen.....	6,380.39
The engineer is paid \$1,000 a year; two operators at the hydro-electric plant \$55 a month. There are from four to ten firemen, varying according to the season of the year, who are paid \$45 to \$55 a month.	
Power House and Heating Plant supplies.....	268.99
Fuel	19,776.52
Contracts for the year 1908-9 were awarded to H. W. Lynch, Peoria, Ill., for Canton, Ill., mine run and nut at \$2.55 a ton, and to Elijah & Winne, Cedar Rapids, Ia., for Beacon, Ia., fancy steam coal at \$1.73 a ton. Prices are f. o. b. Iowa City. Hauling costs 20 cents a ton. Consumption, 7,350 tons.	
Water service	1,644.00
For all water used in all University buildings. The cost is \$411 a quarter.	
Gas and electric light.....	2,519.03
Gas costs \$1.30 per 1,000 cu. ft. and electric light 14 cents per k. w. hour.	
Telephones	391.01
Y. M. C. A. rent.....	800.00
The University rents three halls for the use of the literary societies, and the gymnasium for use as a woman's gymnasium, paying \$800 per annum, besides heating the building from the University Heating Plant.	
Y. M. C. A. support.....	400.00
Money expended to maintain an employment bureau and to make a directory of rooming and boarding places.	

University Laundry, wages	346.83
Garbage service	414.00
Ice	770.39
Stenographic service for all departments and for the administrative offices, paid at the rate of 25 cents an hour	658.70

Total general expenditures from Income fund. \$ 75,491.38

UNIVERSITY HOSPITAL ACCOUNT.

Balance in Income fund to credit of University Hospital account, July 1, 1908.....\$ 2,309.60

RECEIPTS.

Hospital earnings	\$31,573.09
Nurses' earnings outside of hospital....	1,232.10
Operating room fees.....	3,465.00

Total receipts, 1908-1909..... 36,270.19

EXPENDITURES.

Salaries	\$ 5,266.33
The Superintendent of the Nurses' Training School and of the Hospital received \$85 a month; the Head Nurse \$50 a month; the Matron \$60 a month; the Housekeeper \$50 a month, and the office girl \$25 a month. There were about 32 nurses who received \$5 a month each.	
Help	3,185.77
A cook was employed at \$40 a month; a second cook at \$20 a month; two women to do cleaning at \$30 a month; and about 8 housemaids at from \$14 to \$15 a month.	
Provisions	9,707.41
Household	11,005.90
This account covers house furnishings for the hospital, including furniture, carpets, linen, dishes, etc.	
Medicine	4,579.60
This account covers medical and surgical supplies.	

Total expenditures, 1908-1909..... \$ 33,745.01

Balance in Income fund to credit of University Hospital account, June 30, 1909..... 4,834.78

\$ 38,579.79 \$ 38,579.79

UNIVERSITY HOMEOPATHIC HOSPITAL ACCOUNT.

Balance in Income fund to credit of University
Homeopathic Hospital account, July 1, 1908.....\$ 90.52

RECEIPTS.

Hopital earnings\$6,382.80
Nurses' earnings outside of hospital.... 437.40
Operating room fees..... 970.82
Miscellaneous sources 2.00

Total receipts, 1908-1909..... 7,793.02

EXPENDITURES.

Salaries \$ 1,400.00
The Superintendent received \$60 a month.
There were about 12 nurses who received \$5 a month each.
Help 520.37
A cook was employed at \$24 a month, and a housemaid at \$14 a month; also a woman for cleaning, who was employed at various times at 15 cents an hour.
Provisions 3,650.08
Household 1,584.00
This account includes house furnishings for the hospital, including furniture, carpets, linen and dishes.
Medicine 693.60
This account covers medical and surgical supplies for the hospital.

Total expenditures, 1908-1909..... \$ 7,847.95
Balance in Income fund to credit of University Homeopathic Hospital account, June 30, 1909 35.59

\$ 7,883.54 \$ 7,883.54

LAW LOAN BOOK ACCOUNT.

Balance in Income Fund to the credit of Law
Loan Book account, July 1, 1908.....\$ 162.63

RECEIPTS.

Received from the rent of loan sets of law books.. 278.50

EXPENDITURES.

Paid out for new books and rebinding old ones.... \$ 123.14
Balance in Income Fund to the credit of Law Loan Book account, June 30, 1909..... 317.99

\$ 441.13 \$ 441.13

LIBRARY FUND.

RECEIPTS.

From state warrants under chapter 214, section 2,
Laws of 32nd G. A.....\$ 5,000.00
From the sale of books and supplies..... 49.95

EXPENDITURES.

General Library, books..... \$ 4,008.47
Law Library, books..... 803.94
Binding for General Library..... 234.80

Total expenditures, 1908-1909..... \$ 5,047.21
Balance on hand, June 30, 1909..... 2.74

\$ 5,049.95 \$ 5,049.95

BUILDING TAX FUND.

Cash on hand, July 1, 1908.....\$ 20,083.34

RECEIPTS.

State warrants under chapter 171,
section 2, Laws of 29th G. A.....\$ 95,000.00
From the sale of old material..... 14.33

Total receipts, 1908-1909..... 95,014.33

EXPENDITURES.

G. H. Ellsworth, Superintendent of Construction
(one-half salary) \$ 1,000.00
President's House:
Plans, Proudfoot & Bird.....\$ 181.84
B. A. Wickham, on contract for
erection of building..... 12,342.69
Heating 827.82
Plumbing 939.02
Electric work 63.15
Steam fitting 18.33
Lighting fixtures 461.29
Hardware 433.91
Shelving 81.00
Mantel facings 18.00
Laundry 18.00
Attic room 80.92
Grading 498.02
Sewer 76.67
Basement floor 132.61
Miscellaneous 274.79

Total President's house 16,570.74

Law Building:

Plans, Proudfoot & Bird.....	\$ 2,000.00
Site	1,972.11
Collins Bros., on contract for the erection of the building.....	56,317.66
Plumbing	749.78
Electric work	964.69
Heating	663.28
Steam fitting	105.00

Total, Law Building 62,772.52

Engineering Building Addition:

Plans, Proudfoot & Bird.....	\$ 565.61
Rowson & Son, on contract for the erection of the addition.....	19,369.77
Electrical work	186.64
Plumbing	269.24
Heating	1,170.13
Lighting fixtures	1,123.10
Steam fitting	91.67
Shades	99.64
Hardware	317.24
Blackboards	410.75
Flue screens	49.75
Miscellaneous	110.42

Total, Engineering Building Ad-
dition 23,763.96

Natural Science Building:

Miscellaneous 2.00

University Hospital Wing:

Screens 2.10

Fire escapes 1,206.00

This account covers the cost of fire escapes
for the following: University Hospital, Old
Science Building, University Homeopathic Hos-
pital, Chemical Laboratory, and Dental Building.

Total expenditures from Building Tax Fund, 1908-1909	\$105,317.32
Cash on hand, June 30, 1909.....	9,780.35

\$115,097.67 \$115,097.67

ENGINEERING SHOPS, ETC., FUND.

Cash on hand, July 1, 1908.....	\$ 515.02
Received from the miscellaneous sales of old ma- terial	20.74

EXPENDITURES.

Retaining wall, Hydro-Electric Power Plant.....	\$ 36.39
Equipment, Hydro-Electric Power Plant.....	436.17
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Total expenditures from Engineering Shops, etc., Fund, 1908-1909.....	\$ 472.56
Cash on hand, June 30, 1909.....	63.20
<hr/>	
\$ 535.76	\$ 535.76

EQUIPMENT AND SUPPLIES FUND.

Cash on hand, July 1, 1908.....\$ 1,113.82

RECEIPTS.

State warrants under chapter 214, section 2, Laws
of 32nd G. A.....\$ 10,000.00

EXPENDITURES.

Applied Science, equipment.....	\$ 1,467.12
Physics, equipment	1,251.35
Commercial Museum, equipment.....	242.92
College of Dentistry, equipment.....	518.72
Botany, equipment	27.79
Education, equipment	40.50
Engineering Building Addition, equipment.....	2,737.76
University Laundry, equipment.....	339.05
Electric supplies	1,192.01
Plumbing supplies	226.93
Gas light fixtures.....	21.50

Total expenditures, 1908-1909.....	\$ 8,065.65
Cash on hand, June 30, 1909.....	3,048.17

\$ 11,113.82 \$ 11,113.82

EQUIPMENT NEW MEDICAL BUILDING FUND.

Cash on hand July 1, 1908.....\$ 526.51

EXPENDITURES.

Equipment—Pathology and Bacteriology.....	38.86
Equipment—Materia Medica	30.90
Equipment—Hygiene	59.57
Equipment—Ladies' Study Room.....	15.00

Total expenditures from Equipment New Medical Building Fund, 1908-1909.....	\$ 144.33
Cash on hand, June 30, 1909.....	382.18

\$ 526.51 \$ 526.51

EQUIPMENT FUND, NATURAL SCIENCE BUILDING, ETC.

RECEIPTS.

State warrants under chapter 214,
section 2, laws of 32nd G. A.\$17,500.00
Transfer from Income Fund by order
of the Board of Regents..... 2,297.60

Total receipts, 1908-1909..... \$19,797.60

EXPENDITURES.

Hospital wing—equipment and fur-
niture..... 56.00
Overdraft, July 1, 1908..... 19,741.60

\$ 19,797.60 \$ 19,797.60

REPAIR AND CONTINGENT FUND.

RECEIPTS.

State warrants under chapter 212
section 2, laws of 32d G. A.\$ 7,500.00
State warrants under chapter 214,
section 2, laws 32d G. A. 2,500.00

Total receipts, 1908-1909..... \$ 10,000.00
Transfer from Income Fund by
order of the Board of Regents 2,121.07

EXPENDITURES.

General repairs \$ 2,894.09
Plumbing repairs 667.54
Electrical repairs 664.60
Steam fitting repairs..... 6.35

Athletic Field—

Care of\$160.94
Repairing bleachers 319.38

Heating Plant repairs..... 480.32
Repairs to boilers 656.30
Repairs to boilers 212.19
Care of campus 197.19
Old Science Building, repairs..... 1,097.51
School of Music Building, painting and repairing.. 199.69
Dental Building, painting and repairing..... 272.63
Old Science Building, painting..... 496.20
Pharmacy Laboratory, painting..... 142.05
Materia Medica Laboratory, painting..... 40.88
Flood sewer 48.74

Concentrating mill 219.93
Internal Medicine Laboratory 859.24
President's House, grading..... 404.29
Engineering Building, walk..... 24.34
Roof painting 22.89
Medical Shed, removal 564.81
De Sellem House, repairs 991.52
Dennis House, repairs 957.27

Total expenditures from repair and contin-
gent Fund, 1908-1909 12,120.57
Overdraft, July 1, 1908..... .50

\$ 12,121.07 \$ 12,121.07

PAVING AND SIDEWALKS FUND.

Cash on hand, July 1, 1908..... \$ 240.14

RECEIPTS.

State warrants under chapter 214
section 2, laws of 32d G. A.\$ 2,500.00
From the city of Iowa City for
crossings 23.46

Total receipts, 1908-1909..... \$ 2,523.46
Transfer from Income Fund by
order of the Board of Regents 216.06

EXPENDITURES.

City of Iowa City:
Gilbert street paving.....\$ 692.80
Capitol street paving 831.53
Church street paving 746.16 2,270.49

Miscellaneous expenditures for labor and material
in the construction of cement sidewalks on the
south side of Washington street, between Capl-
itol and Madison streets; also walks at nurses'
home on Gilbert street, and at the President's
house 709.17

\$ 2,979.66 \$ 2,979.66

CARE AND IMPROVEMENT OF CAMPUS FUND.

Cash on hand, July 1, 1908.....\$ 17.70
Received from state warrants under chapter
214, section 2, laws of 32nd G. A. 2,000.00

FIRST BIENNIAL REPORT.

EXPENDITURES.

Miscellaneous expenditures for labor, seeds, planting, grading and hauling, 1908-1909.....	1,903.71	
Cash on hand, June 30, 1909.....	113.99	
	<u>\$ 2,017.70</u>	<u>\$ 2,017.70</u>

DONATED LAND FUND.

Cash on hand, July 1, 1908.....	\$ 1,473.05	
Received from the Athletic Union—½ cost of erection of two sections of concrete bleachers...	799.01	

EXPENDITURES.

Miscellaneous expenditures for labor and material in the construction of concrete football bleachers	\$ 1,598.03	
Cash on hand, June 30, 1909.....	674.03	
	<u>\$ 2,272.06</u>	<u>\$ 2,272.06</u>

SPECIAL LAND FUND.

Cash on hand, July 1, 1908.....	\$ 2,794.30	
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RECEIPTS.

State warrants under chapter 214, section 2, laws of 32nd G. A.....	\$ 12,500.00	
Rents	1,121.00	
Total receipts, 1908-1909.....	<u>\$ 13,621.00</u>	

EXPENDITURES.

George L. Falk, rent of house for nurses' home for the University Hospital, July 1, 1908, to June 30, 1909.....	\$ 540.00	
Homer S. and Bessie W. Johnson, purchase price of property described as follows: Commencing at the N. W. corner of lot 5, block 85, Iowa City, Iowa, E. 45 ft., S. 60 ft., W. 65 ft., N. 60 ft., E. 10 ft. to place of beginning.....	4,500.00	
Sheriff of Johnson county, Iowa:		
Purchase price of property (E. E. Dennis) condemned by the University, described as follows: W. 20 ft. of lot 6 and E. 35 ft. of lot 5, block 85, Iowa City, Iowa.....	\$9,500.00	
Sheriff's costs, etc.....	18.95	
	<u>9,518.95</u>	
Wade, Dutcher & Davis:		
Examining abstracts of the above property, also Johnson property, and services in condemnation proceedings against Dennis property.....	140.82	

IOWA STATE BOARD OF EDUCATION.

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George W. Dvorsky—Recording above deeds.....	1.85	
Gurley Heater Co.—repairs to De Sellem furnace.	8.45	
Johnson County Abstract Co.—Abstract of title of the Dennis property	45.00	
Sundry expenditures for repairs on buildings rented by the University	22.53	

Total expenditures, 1908-1909.....	\$ 14,777.60	
Cash on hand, June 30, 1909.....	1,637.70	
	<u>\$ 16,415.30</u>	<u>\$ 16,415.30</u>

PERMANENT LAND FUND.

Cash on hand, July 1, 1908.....	\$240,320.36	
Cash on hand, June 30, 1909.....	\$240,320.36	
	<u>\$240,320.36</u>	<u>\$240,320.36</u>

WM. JENNINGS BRYAN PRIZE FUND.

Cash on hand, July 1, 1908	\$ 250.00	
Cash on hand, June 30, 1909.....	\$ 250.00	
	<u>\$ 250.00</u>	<u>\$ 250.00</u>

NOTE—This fund was established by Wm. Jennings Bryan, the interest to be used for an annual prize for the best political science essay.

WILLIAM JENNINGS BRYAN PRIZE INTEREST FUND.

Cash on hand, July 1, 1908	\$ 21.12	
Received interest on principal of \$250.....	12.50	

EXPENDITURES.

E. C. Robbins, first prize, political science essay...	\$ 10.00	
Cash on hand, June 30, 1909.....	23.62	
	<u>\$ 33.62</u>	<u>\$ 33.62</u>

A. WHITNEY CARR FREE SCHOLARSHIP FUND.

Cash on hand, July 1, 1908.....	\$ 50,000.00	
Cash on hand, June 30, 1909.....	\$ 50,000.00	
	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>

NOTE—The interest on this fund is used to pay for A. Whitney Carr free scholarships in the Colleges of Liberal Arts and Applied Science.

A. WHITNEY CARR FREE SCHOLARSHIP INTEREST FUND.

Cash on hand, July 1, 1908.....	\$ 3,398.52	
Received interest on principal of \$50,000.....	2,457.90	

EXPENDITURES.

Scholarships as follows:

Grace Farrell	\$ 5.00
E. J. Wright	5.00
Eda Louis	5.00
Ethel L. Newcomb.....	5.00
Katherine Nebe	20.00
Katherine Nebe	5.00
Bertha Sterling	20.00
Frank Jones	20.00
Grace M. Davison.....	20.00
C. W. Gallaher.....	20.00
Agnes W. Beach.....	20.00
Arvid H. Lideen.....	20.00
J. R. Salyards.....	10.00
J. R. Loutzenhiser.....	10.00
Theo. Grotness.....	10.00
Grace Farrell.....	20.00
S. J. Osgood.....	20.00
Marie G. Rogers.....	20.00
Bartley Gordon.....	20.00
E. B. Scott.....	20.00
C. A. Smith.....	20.00
A. H. B. Krazoff.....	20.00
Ina McCurdy.....	20.00
W. B. George.....	20.00
F. A. Wanerus.....	20.00
C. W. Warwick.....	20.00
J. O. Weaver.....	20.00
George McArthur.....	20.00
J.W. Crump.....	20.00
Edith L. Ketchum.....	20.00
B. F. Butler.....	20.00
Adah Hyde.....	20.00
F. A. Loudin.....	20.00
A. B. Edith Lundell.....	20.00
Cora Fischer.....	20.00
O. E. Campbell.....	20.00
Earl Osier.....	20.00
A. W. Grattidge.....	20.00
Ruth Ellison.....	20.00
Lloyd Chute.....	20.00
H. C. Langland.....	20.00
A. L. Schmalle.....	20.00
Ruth Magowan.....	20.00
Maurice Repass.....	20.00
C. G. Gustafson.....	20.00
Nellie M. Baird.....	20.00
Eda Louis.....	20.00

Bessie L. Pierce.....	20.00
R. P. Myamoto.....	20.00
F. C. Repass.....	20.00
J. M. Morse.....	20.00
L. D. Myers.....	20.00
C. H. Farr.....	20.00
E. A. Thomas.....	20.00
Ernest McKellips.....	20.00
H. C. Ritz.....	20.00
Ivan Jacobsen.....	20.00
J. W. Hopkinson.....	20.00
Callie Wieder.....	20.00
Bertram Graves.....	20.00
A. S. Yim.....	20.00
L. J. Kieser.....	20.00
Elsie Cerney.....	20.00
W. L. Good.....	20.00
Ethel L. Newcomb.....	20.00
Winifred Appelman	20.00
James E. Reaney.....	20.00
C. O. Sjuln.....	20.00
Will McGronahan.....	20.00
P. E. Van Nostrand.....	20.00
Paul Endicott.....	20.00
G. R. Murphy.....	20.00
Minnie Cushman.....	20.00
Anna Shepard.....	20.00
Arthur Zimmerman.....	20.00
Edna Stone.....	20.00
Carl F. Bowen.....	20.00
Julia Baughman.....	20.00
Claude Shepard.....	20.00
E. J. Wright.....	20.00
Ralph Ellinghouse.....	20.00
Helen F. Letson.....	20.00
H. E. Webb.....	20.00
L. L. Hill.....	20.00
G. W. Moffitt.....	20.00
J. A. W. Johnson.....	20.00
S. J. Osgood.....	20.00
Helen Walburn.....	20.00
C. K. Thompson.....	20.00
C. L. Gatten.....	20.00
H. D. Hanson.....	20.00
Eugene H. Tilton.....	10.00
Capitola Sample.....	20.00
F. L. Crawford.....	20.00
H. E. Gray.....	20.00
H. J. Wehman.....	20.00

Carl Downing.....	20.00
K. S. Putnam.....	20.00
J. B. Clyde.....	20.00
Annette West.....	20.00
Joseph Gadbury.....	20.00
F. C. Waples.....	20.00
F. C. Morgan.....	20.00
W. A. Byer.....	20.00
Jos. Richmond.....	20.00
W. R. Watsabaugh.....	20.00
Leonidas Dennis.....	20.00
Pearl M. Poore.....	20.00
Forrest Reed.....	10.00
Adelaide Black.....	20.00
Arthur B. Pitman.....	20.00
Nathan Buck.....	20.00
Eugene Tilton.....	10.00
Laura Brown.....	10.00
Frank D. Baer.....	10.00
Mrs. Mary L. Poore.....	10.00
J. K. Loutzenhiser.....	10.00
K. P. Ghose.....	10.00
Bessie M. Steinberg.....	20.00
Total expenditures, 1908-1909.....	\$ 2,195.00
Cash on hand, June 30, 1909.....	3,661.42
	<hr/>
	\$ 5,856.42 \$ 5,856.42

F. O. LOWDEN ORATORY PRIZE FUND.

Twenty-five shares of 7 per cent preferred stock of the National Biscuit Co., on hand, July 1, 1908, and June 30, 1909.....	\$ 2,500.00	\$ 2,500.00
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F. O. LOWDEN ORATORY PRIZE INTEREST FUND.

Cash on hand, July 1, 1908.....	\$ 218.75
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RECEIPTS.

7 per cent dividend on 25 shares of stock of the National Biscuit Co., gift of F. O. Lowden.....	\$ 175.00
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DISBURSEMENTS.

Charles C. Pearce, first prize, Northern Oratorical League contest, May 7, 1909.....	100.00
Sigurd H. Peterson, second prize, Northern Oratorical League contest, May 7, 1909.....	50.00
Total disbursements.....	\$ 150.00
Cash on hand, June 30, 1909.....	243.75
	<hr/>
	\$ 393.75 \$ 393.75

MARK RANNEY MEMORIAL FUND

Received from the executors of the Mark Ranney Estate, as per will.....	\$ 64,867.66
Cash on hand, June 30, 1909.....	\$ 64,867.66

NOTE—This fund was established by Martha W. Ranney, the interest from the fund to be used in establishing and maintaining the Mark Ranney Memorial Institute for the foundation of a College of Fine Arts in connection with the University.

MARK RANNEY MEMORIAL INTEREST FUND.

RECEIPTS.

Rents from Ranney Hall.....	\$ 415.30
Interest on Ranney Memorial Fund.....	2,349.26

EXPENDITURES.

Professor F. DeW. Washburn, salary.....	\$ 1,500.00
Bertha Stiner, caretaker, salary.....	188.22
Jos. Brysch, salary by the hour.....	188.22
C. W. Thompson, fuel for Ranney Hall.....	253.26
Iowa City Gas Light Co., light for Ranney Hall....	75.14
Miscellaneous expenses, Ranney Hall.....	141.00
Total expenditures.....	\$ 2,265.12
Cash on hand, June 30, 1909.....	499.44

\$ 2,764.56 \$ 2,764.56

WAITE LOWRY GIFFORD MEMORIAL FUND.

Received from Gifford Estate, as per will.....	\$ 8,737.88
Cash on hand, June 30, 1909.....	\$ 8,737.88
	<hr/>
	\$ 8,737.88 \$ 8,737.88

NOTE—This fund was established by Helen J. Gifford, the interest from the fund to be used in furnishing, equipping and maintaining in good condition a room in the University Hospital, to be known as the Waite Lowry Gifford Memorial Room, the said room to be for the free accommodation, occupancy and treatment of such patients as may be unable to pay for medical and surgical treatment and care in said hospital.

WAITE LOWRY GIFFORD MEMORIAL INTEREST FUND.

Received interest on Waite Lowry Gifford Memorial Fund.....	\$ 50.00
Cash on hand, June 30, 1909.....	\$ 50.00
	<hr/>
	\$ 50.00 \$ 50.00

ANNUAL REPORT
OF THE
SECRETARY OF THE STATE UNIVERSITY OF IOWA
TO THE GOVERNOR AND THE THIRTY-FOURTH
GENERAL ASSEMBLY

1909-1910

July 1, 1910

RECEIPTS AND EXPENDITURES.

JULY 1, 1909 to JUNE 30, 1910.

Cash on hand, July 1, 1909.....	\$ 28,341.96	
Total receipts for the year	579,093.02	
Total expenditures for the year		\$586,455.65
Cash on hand, June 30, 1910.....		20,979.33
		<hr/>
	\$607,434.98	\$607,434.98

BALANCES.

Income Fund	\$ 5,150.82
Library Fund	1,445.78
Building Tax Fund	3,375.75
Special Land Fund	1,310.50
Donated Land Fund	374.47
A. W. Carr Scholarship Income Fund.....	3,886.84
F. O. Lowden Prize Income Fund	268.75
W. J. Bryan Prize Income Fund	26.16
Mark Ranney Memorial Interest Fund	1,243.86
Waite Lowry Gifford Memorial Interest Fund.....	295.77
Equipment and supplies fund	1,096.55
Equipment New Medical Buildings Fund	310.82
Equipment New Law Building, Etc. Fund.....	100.95
Paving and Sidewalks Fund	2,088.66
Repair and Contingent Fund	3.65
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	\$ 20,979.33

STATEMENTS OF RECEIPTS AND DISBURSEMENTS FOR THE FISCAL YEAR ENDING JUNE 30, 1910.

RECEIPTS—1909-1910.

From State appropriations for support:	
32d G. A., chapter 212, section 2.....	\$205,500.00
32d G. A., chapter 214, section 2.....	35,000.00
33d G. A., chapter 244, section 1.....	18,750.00
33d G. A., chapter 244, section 1.....	16,500.00
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Total	\$275,750.00
From State appropriations for buildings:	
29th G. A., chapter 171, section 2, 1-5 mill tax...	\$ 75,000.00

From State appropriations for special purposes:	
32d G. A., chapter 212, section 2, Repair and Contingent Fund.....	\$ 7,500.00
33d G. A., chapter 244, section 1, Repair and Contingent Fund.....	7,170.32
33d G. A., chapter 244, section 1, Library Fund..	15,000.00
33d G. A., chapter 244, section 1, Equipment and Supplies Fund.....	7,500.00
33d G. A., chapter 244, section 1, Equipment New Law Building, Etc., Fund.....	9,500.00
33d G. A., chapter 244, section 1, Heating and Hydraulic Plant Equipment Fund.....	7,500.00
33d G. A., chapter 244, section 1, Paving and Sidewalks Fund	3,000.00
33d G. A., chapter 244, section 1, Special Land Fund	17,500.00
Total	\$ 74,670.32
Total from State appropriations for all purposes	425,420.32
From productive funds:	
Income from Permanent Land Endowment Fund..	\$ 12,959.73
Rents from Permanent Land Endowment Fund..	100.00
From tuitions—all colleges.....	61,077.25
From miscellaneous sources—Income Fund.....	67,870.60
From material sold—Repair and Contingent Fund	249.40
From material and books sold—Library Fund...	37.39
From materials sold—Equipment and Supplies Fund	44.50
From material sold—Heating and Hydraulic Plants Equipment Fund.....	99.84
From material sold—Paving and Sidewalks Fund	35.25
From Athletic Union (½ cost of concrete football bleachers)—Donated Land Fund.....	764.88
From rents, etc.—Donated Land Fund.....	465.33
From rents and property sold—Special Land Fund	1,867.40
*From special funds:	
A. Whitney Carr Scholarship Income Fund....	2,755.42
W. J. Bryan Prize Income Fund.....	12.54
F. O. Lowden Prize Income Fund.....	175.00
Mark Ranney Memorial Income Fund.....	4,393.40
Waite Lowry Gifford Memorial Income Fund....	294.77
Charles M. Jesup Prize Fund.....	50.00
Total from special funds.....	\$ 7,681.13

Warrants cancelled—Income Fund.....	420.00
Total income from all sources for all purposes, 1909-1910.....	\$579,093.02
Total balance in all funds, July 1, 1909....	28,341.96
Grand total.....	\$607,434.98

*These funds are in the nature of university trusts, the proceeds being used for scholarships, prizes, etc.

EXPENDITURES—1909-1910.

Income Fund.....	\$421,188.13
Library Fund.....	13,594.35
Building Tax Fund.....	81,404.60
Repair and Contingent Fund.....	14,916.07
Equipment and Supplies Fund.....	9,496.12
Equipment New Medical Building Fund.....	71.36
Equipment New Law Building, Etc., Fund.....	9,399.05
Heating and Hydraulic Plants Equipment Fund..	7,599.84
Engineering Shops, Etc., Fund.....	63.20
Special Land Fund.....	19,694.60
Donated Land Fund.....	1,529.77
Paving and Sidewalks Fund.....	946.59
Care of Campus Fund.....	113.99
A. Whitney Carr Scholarship Income Fund....	2,530.00
F. O. Lowden Prize Income Fund.....	150.00
W. J. Bryan Prize Income Fund.....	10.00
Mark Ranney Memorial Income Fund.....	3,648.98
Waite Lowry Gifford Memorial Income Fund....	49.00
Charles M. Jesup Prize Income Fund.....	50.00
Total expenditures.....	\$586,455.65
Total balance on hand June 30, 1910.....	20,979.33
Grand total.....	\$607,434.98

INCOME FUND—1909-1910.

RECEIPTS.

From State appropriations:	
32d G. A., chapter 212, section 2.....	\$205,500.00
32d G. A., chapter 214, section 2.....	35,000.00
33d G. A., chapter 244, section 1.....	18,750.00
33d G. A., chapter 244, section 1.....	16,500.00
Total.....	\$275,750.00

From tuitions:

College of Liberal Arts.....	\$ 19,014.25	
College of Applied Science.....	3,223.00	
College of Law.....	11,937.50	
College of Medicine.....	9,252.00	
College of Homeopathic Medicine.....	1,715.75	
College of Dentistry.....	8,627.25	
College of Pharmacy.....	2,704.50	
Graduate College.....	150.00	
Summer Session and Library School.....	1,235.00	
School of Music.....	3,059.00	
Special examinations.....	159.00	
		<u>61,077.25</u>

From miscellaneous sources:

Diploma fees.....	\$ 4,155.00	
University Hospital receipts.....	40,741.61	
Ophthalmology and otology receipts.....	997.14	
University Homeopathic Hospital receipts.....	8,733.47	
Dental clinic receipts.....	8,827.84	
Law Loan Book Account.....	364.75	
Interest on daily bank balance.....	2,075.57	
Miscellaneous cash—material sold, laboratory breakage, locker rentals, etc.....	1,975.22	
		<u>67,870.60</u>
Interest on Permanent Land Fund.....	\$ 12,959.73	
Rent from Permanent Land Fund.....	100.00	
		<u>13,059.73</u>
Warrants cancelled.....		420.00
		<u>\$418,177.58</u>
Total receipts, Income Fund, 1909-1910.....		8,161.37
		<u>\$426,338.95</u>

SUMMARY OF EXPENDITURES.

College of Liberal Arts:

Salaries	\$118,351.00	
Departmental expenses.....	8,313.18	
		<u>\$126,664.18</u>

College of Applied Science:

Salaries		28,875.00
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College of Law:

Salaries	\$ 17,100.00	
Supplies and incidentals.....	77.58	
		<u>17,177.58</u>

College of Medicine:

Salaries	\$ 31,385.00	
Supplies, apparatus, etc.....	8,734.36	
		<u>40,119.36</u>

College of Homeopathic Medicine:

Salaries	\$ 5,295.00	
Supplies, apparatus, etc.....	120.41	
		<u>5,415.41</u>

College of Dentistry:

Salaries	\$ 16,825.00	
Supplies, apparatus, etc.....	5,740.25	
		<u>22,565.25</u>

College of Pharmacy:

Salaries	\$ 4,300.00	
Supplies, apparatus, etc.....	2,120.08	
		<u>6,420.08</u>

Graduate College:

Fellowships and scholarships.....	\$ 4,482.50	
Supplies, etc.....	207.14	
		<u>4,689.64</u>

Summer Session and Library School:

Salaries	\$ 6,590.00	
Supplies and incidentals.....	193.12	
		<u>6,783.12</u>

General Library:

Salaries	\$ 5,513.00	
Supplies and assistance by the hour.....	1,272.60	
		<u>6,785.60</u>

Administration:

Salaries	\$ 15,553.34	
Supplies and assistance by the hour.....	1,627.40	
		<u>17,180.74</u>

Alumni Bureau:

Salaries	\$ 1,016.64	
Supplies, stenographic service, etc.....	1,335.45	
		<u>2,352.09</u>

University Extension expenses.....	335.05	
Law Loan Book Account	457.11	
University Hospital expenditures.....	42,102.22	
University Homeopathic Hospital expenditures...	7,972.44	
General expenditures from Income Fund.....	82,087.26	
Tuitions refunded by order of the Board.....	147.00	

Tuitions in the School of Music, collected by the Secretary and turned over to the Director of School

3,059.00

Total expenditures from Income Fund, 1909-1910

\$421,188.13

Balance, June 30, 1910.....

5,150.82

Grand total.....

\$426,338.95

ITEMIZED EXPENDITURES—COLLEGE OF LIBERAL ARTS.

Botany:

Thomas H. Macbride, Professor.....	\$ 3,000.00
Bohumil Shimek, Professor.....	2,100.00
R. B. Wylie, Professor.....	1,800.00
Lucy M. Cavanagh, Herbarium Assistant.....	500.00
Irma A. Uhde, Assistant.....	67.90
Ella Shimek, Assistant.....	45.00
Amy Himes, Assistant.....	10.80
Supplies and apparatus.....	\$ 500.00

Chemistry:

E. W. Rockwood, Professor.....	2,600.00
J. N. Pearce, Assistant Professor.....	1,500.00
W. J. Karlake, Assistant Professor.....	1,400.00
C. F. Nelson, Instructor.....	900.00
Edw. Wolesensky, Instructor.....	900.00
Edw. X. Anderson, Instructor.....	800.00
Clarence Estes, Instructor.....	800.00
J. E. Hutchinson, Assistant Instructor.....	600.00
Walter G. Kirby, Assistant.....	100.00
Harold A. Knight, Storekeeper.....	600.00
Supplies and apparatus.....	3,414.00

Education:

F. E. Bolton, Professor and Director.....	3,000.00
F. C. Ensign, Professor and High School Inspector (six months to March 1, 1910).....	1,200.00
H. C. Dorcas, Professor and University Examiner	1,800.00
Irving King, Assistant Professor.....	1,200.00
R. M. Stewart, Assistant.....	400.00
George H. Mount, Assistant.....	300.00
D. A. Anderson, Assistant.....	200.00
Bertha Sparks, Stenographer (twelve months).....	600.00
Supplies, traveling expenses, etc.....	523.25

English:

C. F. Ansley, Professor.....	3,000.00
E. N. S. Thompson, Assistant Professor.....	1,700.00
Percival Hunt, Assistant Professor.....	1,400.00
M. A. Shaw, Assistant Professor.....	1,400.00
E. F. Piper, Assistant Professor.....	1,300.00
Mary G. Chawner, Instructor.....	1,000.00
May Shuck, Instructor.....	900.00
Ellen Geyer, Instructor.....	900.00
Walter L. Myers, Assistant Instructor.....	600.00
Laura Anderson, Assistant.....	250.00
Theme readers.....	1,255.00

Chair of Public Speaking:

H. E. Gordon, Professor (one month).....	200.00
Gertrude Johnson, Instructor.....	800.00
William E. Jones, Assistant in Debate.....	1,000.00
F. H. Randall, Assistant in Debate.....	452.30
Supplies and incidentals.....	20.45

Geology:

Samuel Calvin, Professor.....	3,000.00
G. F. Kay, Professor.....	2,200.00
A. O. Thomas, Assistant Instructor.....	600.00
John Carville, Attendant.....	500.00
Supplies, etc.....	380.72

German:

C. B. Wilson, Professor.....	2,600.00
F. B. Sturm, Assistant Professor.....	1,300.00
Charlotte Reichmann, Instructor.....	800.00
F. A. Braun, Instructor.....	800.00
G. L. Neumann, Assistant Instructor.....	800.00

Greek:

C. H. Weller, Professor and University Editor..	2,400.00
Margaret O'Connor, Assistant.....	400.00

History:

W. C. Wilcox, Professor and Dean of the College of Liberal Arts (two months at \$260, eight months at \$300).....	2,920.00
H. G. Plum, Professor.....	1,600.00
Clara M. Daley, Instructor.....	1,000.00
Supplies, etc.....	9.50

Latin:

F. C. Eastman, Professor.....	2,600.00
F. H. Potter, Professor.....	1,500.00
George M. Sharrard, Instructor.....	1,000.00

Mathematics:

L. G. Weld, Professor.....	3,000.00	
R. P. Baker, Instructor.....	1,100.00	
John F. Reilly, Instructor.....	1,100.00	
Sarah E. Cronin, Instructor.....	900.00	
Ralph E. Root, Instructor.....	900.00	
C. G. Simpson, Instructor.....	900.00	
Fred C. Eaton, Assistant Instructor.....	800.00	
Supplies, etc.		48.16

Mechanics:

A. G. Smith, Professor.....	2,100.00	
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Military Science:

C. W. Weeks, Professor and Commandant (one and one-half months).....	36.00	
M. C. Mumma, Professor and Commandant (eleven months).....	264.00	
Howard J. Barnum, Bandmaster.....	300.00	
Supplies, equipment, etc.....		85.00

Philosophy and Psychology:

C. E. Seashore, Professor and Dean of the Graduate College.....	2,700.00	
E. D. Starbuck, Professor.....	2,000.00	
Mabel C. Williams, Instructor.....	750.00	
Supplies, etc.....		325.04

Physical Training and Athletics:

John G. Griffith, Instructor in charge.....	900.00	
E. G. Schroeder, Assistant Instructor in charge of gymnastics.....	1,200.00	
Alice C. Wilkinson, Assistant Instructor in charge of physical training for women.....	1,000.00	
Pianist in Women's Gymnasium.....		63.50
Supplies—Women's Gymnasium.....		50.29
Supplies—Men's Gymnasium.....		100.64

Physics:

George W. Stewart, Professor.....	2,700.00	
L. P. Sieg, Assistant Professor.....	1,100.00	
F. C. Brown, Instructor.....	1,000.00	
Matt Luckiesh, Assistant Instructor.....	600.00	
E. H. Balley, Laboratory Assistant (five months).....	25.00	
E. J. H. Wagner, Laboratory Assistant (five months).....	25.00	
Lillah B. Crum, Undergraduate Assistant.....	75.00	
Ernest O. Dieterich, Undergraduate Assistant...	75.00	

Political Economy and Sociology:

I. A. Loos, Professor and Director.....	1,000.00	
J. L. Gillin, Assistant Professor in charge.....	1,800.00	
Paul S. Peirce, Assistant Professor.....	1,800.00	
C. W. Wassam, Assistant Professor.....	1,400.00	
S. Vineberg, Instructor.....	1,200.00	
S. H. Goodyear, Lecturer on Accountancy.....	400.00	
Supplies and assistance by the hour.....		267.74

Political Science:

B. F. Shambaugh, Professor.....	2,100.00	
F. E. Horack, Assistant Professor.....	1,400.00	

Romance Languages:

S. H. Bush, Professor.....	2,200.00	
Charles O. Stewart, Assistant Professor.....	1,400.00	
Hertha L. Voss, Assistant Professor.....	1,200.00	

Zoology:

C. C. Nutting, Professor.....	2,600.00	
G. L. Houser, Professor.....	1,800.00	
H. F. Wickham, Professor.....	1,500.00	
Homer R. Dill, Taxidermist.....	1,400.00	
F. A. Stromsten, Instructor.....	1,000.00	
Dayton Stoner, Assistant in Museum.....	225.00	
Adolph Ringoon, Assistant in Animal Biology...	100.00	
Roscoe D. Taylor, Undergraduate Assistant in Animal Biology.....	25.00	
Donald B. Davidson, Undergraduate Assistant in Animal Biology.....	25.00	
John B. Gregg, Storekeeper in Animal Biology (1st semester).....	12.50	
L. T. Dyk, Storekeeper in Animal Biology (2d semester).....	12.50	
Jesse E. Berry, Mimeographer in Animal Biology (1st semester).....	25.00	
Paul Endicott, Mimeographer in Animal Biology (2d semester).....	25.00	
Supplies for Animal Biology.....		351.73
Supplies for Zoology.....		120.66
Supplies for Museum.....		256.83
University Examiner—stenographic service and supplies.....		346.22
University Editor—stenographic service and supplies.....		132.45
High School Examiner—stenographic service and supplies.....		62.00
Clara M. Schultz, Clerk to the Dean of the College of Liberal Arts (eight months).....	520.00	

Eula De Voll, Clerk to the Dean of the College of Liberal Arts (one month).....	60.00	
Helen C. Gilchrist, Clerk to the Dean of the College of Liberal Arts (three months).....	225.00	
		<hr/>
Total salaries, College of Liberal Arts.....	\$118,351.00	
Total departmental expenses, College of Liberal Arts.....	\$ 8,313.18	
		<hr/>
Grand total.....	\$126,664.18	

ITEMIZED EXPENDITURES—COLLEGE OF APPLIED SCIENCE.

Civil Engineering:

William G. Raymond, Professor and Dean (twelve months)	\$ 5,000.00
S. M. Woodward, Professor of Hydraulics and Engineering Materials.....	2,600.00
B. J. Lambert, Professor of Structural Engineering	2,400.00
J. H. Dunlap, Instructor.....	1,200.00
F. C. Young, Instructor.....	1,000.00
F. C. Harper, Assistant.....	300.00

Descriptive Geometry and Drawing:

F. G. Higbee, Professor.....	1,700.00
R. B. Dale, Instructor.....	1,200.00
D. P. Gilmore, Instructor.....	1,000.00
F. W. Welch, Instructor.....	1,200.00

Electrical Engineering:

A. H. Ford, Professor.....	2,400.00
J. B. Hill, Instructor.....	1,400.00

Mechanical Engineering:

B. P. Fleming, Professor.....	2,400.00
John E. Boynton, Assistant Professor of Steam Engineering	1,400.00
H. D. B. Shaw, Instructor in Shop Work and University Mechanician.....	900.00
George J. Keller, Instructor in Shop Work.....	900.00

Mining:

A. W. Hixson, Instructor in charge.....	1,300.00
Marcia O. Dunham, Clerk to the Dean (four and one-half months).....	225.00
Bess Martin, Clerk to the Dean (seven months) ..	350.00

Total salaries, College of Applied Science.... \$ 28,875.00

ITEMIZED EXPENDITURES—COLLEGE OF LAW.

C. N. Gregory, Professor and Dean.....	\$ 4,000.00	
Samuel Hayes, Professor (1st semester).....	1,150.00	
E. A. Wilcox, Professor.....	2,500.00	
Barry Gilbert, Professor.....	3,100.00	
H. C. Horack, Professor.....	3,000.00	
Henry G. Walker, Acting Professor (2d semester) ..	900.00	
R. M. Otto, Instructor.....	500.00	
R. M. Otto, Lecturer.....	100.00	
H. M. Townner, Lecturer.....	500.00	
M. L. Ferson, Law Librarian.....	1,000.00	
C. F. Gittins, Assistant in Law Library.....	25.00	
C. F. Harding, Assistant in Law Library.....	25.00	
William B. Hayes, Asistant in Law Library.....	25.00	
V. E. Gabrielson, Assistant in Law Library.....	25.00	
Fred Hamilton, Stenographer to the Dean.....	250.00	
Supplies and incidentals.....		\$ 77.58
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Total salaries, College of Law.....	\$ 17,100.00	
Total supplies, College of Law.....		\$ 77.58
		<hr/>
Grand total.....		\$ 17,177.58

ITEMIZED EXPENDITURES—COLLEGE OF MEDICINE.

Anatomy, Histology and Embryology:

H. J. Prentiss, Professor.....	\$ 4,400.00	
F. P. Lord, Instructor.....	1,400.00	
Ira N. Crow, Demonstrator.....	1,000.00	
J. J. Lambert, Instructor.....	1,100.00	
S. B. Goodenow, Assistant Demonstrator.....	600.00	
George A. May, Undergraduate Assistant.....	100.00	
A. J. Courshon, Undergraduate Assistant.....	75.00	
F. A. Barber, Undergraduate Assistant.....	50.00	
Supplies for anatomy.....		\$ 296.32
Supplies for histology.....		211.78
Dissecting material.....		4,732.30

Gynecology and Obstetrics:

J. R. Guthrie, Professor and Dean.....	1,200.00	
W. R. Whiteis, Professor.....	1,000.00	
Paul Reed, Assistant.....	800.00	
C. S. Krause, Clinical Assistant.....	200.00	
C. S. Krause, Clinical Assistant (for 1908-1909) ..	50.00	
H. E. Pfeiffer, Assistant.....	150.00	
W. H. Donovan, Assistant.....	150.00	
Apparatus and supplies.....		76.97
Fund for clinic.....		648.89

Materia Medica:

C. S. Chase, Professor.....	2,000.00	
L. A. Hammer, Undergraduate Assistant.....	75.00	
R. E. Gunn, Undergraduate Assistant.....	62.50	
J. E. Stansbury, Undergraduate Assistant.....	62.50	
Apparatus and supplies.....		186.23

Ophthalmology, Otology, Rhinology and Laryngology:

L. W. Dean, Professor.....	1,100.00	
Mary K. Heard, Instructor.....	500.00	
W. F. Boller, Assistant Instructor.....	400.00	
C. H. Lauder, Clinical Assistant.....	500.00	
Apparatus and supplies.....		1,378.13

Pathology and Bacteriology:

Henry Albert, Professor.....	1,500.00	
R. G. Owen, Instructor.....	1,000.00	
J. M. Bammert, Undergraduate Assistant.....	120.00	
Ward Hannah, Undergraduate Assistant.....	75.00	
Anna Stach, Stenographer (twelve months).....	180.00	
Joseph Anderson, Attendant (twelve months).....	660.00	
George Stewart, Attendant (seven and one-half months).....	300.00	
Supplies and laboratory expense.....		391.89

Physiology:

J. T. McClintock, Professor.....	2,200.00	
H. W. Coffin, Instructor.....	1,100.00	
M. B. Call, Undergraduate Assistant.....	125.00	
Supplies, etc.....		400.43

Surgery:

William Jepson, Professor.....	1,100.00	
A. J. Burge, Professor.....	1,250.00	
Frank L. Love, Assistant.....	125.00	
Clara B. Whitmore, Assistant.....	125.00	
Frank L. Love, Assistant (for 1908-1909).....	100.00	
Clara B. Whitmore, Assistant (for 1908-1909).....	100.00	
Supplies, etc.....		91.50

Theory and Practice:

W. L. Bierring, Professor and Vice-Dean.....	1,100.00	
Clarence Van Epps, Assistant Professor.....	1,500.00	
J. H. Peck, Assistant.....	600.00	
C. S. Grant, Instructor in Medicine and Pædiatrics.....	500.00	
Mary Wombacher, Stenographer to the Vice-Dean (twelve months).....	100.00	
Supplies, etc.....		244.92

Lecturers:

J. B. Kessler, Lecturer on Dermatology.....	300.00	
Max E. Witte, Lecturer on Mental Diseases.....	200.00	
H. E. Kirschner, Lecturer on Tuberculosis.....	50.00	
Medical Alumni Clinic.....		75.00

Total salaries, College of Medicine.....	\$ 31,385.00	
Total supplies, etc., College of Medicine.....		\$ 8,734.36
Grand total.....		\$ 40,119.36

ITEMIZED EXPENDITURES—COLLEGE OF HOMEOPATHIC MEDICINE.

Materia Medica:

George Royal, Professor and Dean.....	\$ 1,200.00	
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Obstetrics:

F. J. Becker, Professor (six months).....	570.00	
Supplies.....		\$ 15.40

Ophthalmology and Otology:

W. L. Bywater, Professor.....	850.00	
Supplies.....		18.95

Surgery:

F. C. Titzell, Professor.....	1,100.00	
Supplies.....		86.06

Theory and Practice:

Raymond E. Peck, Professor.....	950.00	
T. L. Hazard, Lecturer on Pædiatrics.....	200.00	
T. L. Hazard, Assistant in Obstetrics (five months).....	125.00	
J. W. Cogswell, Anæsthetist.....	100.00	
J. W. Cogswell, Assistant in Obstetrics (five months).....	200.00	

Total salaries, College of Homeopathic Medicine.....	\$ 5,295.00	
Total supplies, College of Homeopathic Medicine.....		\$ 120.41

Grand total.....		\$ 5,415.41
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ITEMIZED EXPENDITURES—COLLEGE OF DENTISTRY.

Operative Dentistry:

F. T. Breene, Professor.....	\$ 1,100.00	
R. H. Volland, Professor.....	2,200.00	
Henry C. Pelton, Demonstrator of Operative Dentistry and Orthodontia.....	1,400.00	

Oral Surgery:

G. V. I. Brown, Professor..... 1,200.00

Orthodontia:

Richard Summa, Professor..... 1,200.00

Prosthetic Dentistry:

W. S. Hosford, Professor and Dean..... 2,000.00
 Henry Morrow, Assistant Professor..... 1,500.00
 W. E. Spence, Demonstrator..... 1,200.00

Regional Anatomy and Clinical Dentistry:

E. A. Rogers, Professor and Superintendent of Clinics 2,000.00
 C. W. Wilkinson, Clinical Demonstrator..... 1,200.00
 H. E. Mitchell, Demonstrator..... 800.00
 Helen Baschnagel, Clerk..... 500.00
 Mary Otto, Assistant Clerk..... 300.00
 John Wyjack, Custodian (one-half time)..... 225.00
 Dues—Dental Association..... \$ 60.00
 Dental clinic expense..... 5,228.13
 Dental laboratory expense..... 159.01
 Dental Alumni Clinic..... 278.11
 Stenographic service..... 15.00

Total salaries, College of Dentistry.....\$ 16,825.00
 Total supplies, etc., College of Dentistry.... \$ 5,740.25
 Grand total..... \$ 22,565.25

ITEMIZED EXPENDITURES—COLLEGE OF PHARMACY.

W. J. Teeters, Professor and Dean.....\$ 2,100.00
 Zada M. Cooper, Instructor..... 1,000.00
 R. A. Kuever, Instructor (twelve months)..... 1,200.00
 Pharmacy supplies..... \$ 2,009.95
 Pharmacy botany supplies..... 10.13
 Stenographic service..... 100.00

Total salaries, College of Pharmacy.....\$ 4,300.00
 Total supplies, etc., College of Pharmacy.... \$ 2,120.08
 Grand total..... \$ 6,420.08

ITEMIZED EXPENDITURES—GRADUATE COLLEGE.

Howard Hammond, Senior Fellow in Botany (three months)\$ 120.00
 Clara H. Baker, Fellow in English..... 225.00
 Maud Brown, Fellow in Botany..... 225.00

Albert Kuntz, Fellow in Zoology..... 225.00
 Martha MacDonald, Fellow in Mathematics..... 225.00
 Dayton E. Merrill, Fellow in Zoology..... 225.00
 Walter R. Miles, Fellow in Education..... 225.00
 Fred Moore, Fellow in Internal Medicine..... 225.00
 D. E. Smith, Fellow in Sociology (five months).... 112.50
 Myrta C. West, Fellow in Education..... 225.00
 Kate R. Bailey, Scholar in Greek (seven months).. 87.50
 Kenneth Colgrove, Scholar in Political Science.. 125.00
 Ralph E. C. Gossage, Scholar in History..... 125.00
 H. Elizabeth Hochstetler, Scholar in Zoology..... 125.00
 N. D. Knupp, Scholar in Botany..... 125.00
 Jacob A. O. Larson, Scholar in Latin..... 125.00
 Henning Larson, Scholar in English..... 125.00
 D. L. Leffert, Scholar in Civil Engineering..... 125.00
 R. B. Leland, Scholar in Political Science..... 125.00
 Besse Matson, Scholar in English..... 125.00
 Marie C. Miller, Scholar in History (two months) 25.00
 Jessie A. Parish, Scholar in Zoology..... 125.00
 B. B. Reed, Scholar in Chemistry..... 125.00
 H. G. Schaefer, Scholar in Psychology..... 125.00
 Meta E. Schmidt, Scholar in German (seven months) 87.50
 George R. Schreiber, Scholar in Philosophy..... 125.00
 Wilford S. Smiley, Scholar in Education..... 125.00
 Leeta B. Southwick, Scholar in Romance Languages 125.00
 Florence S. Taylor, Scholar in English..... 125.00
 Mabel V. Towner, Scholar in English..... 125.00
 Dewey C. Violet, Scholar in English..... 125.00
 Stenographic service and supplies..... \$ 207.14

Total fellowships and scholarships, Graduate College\$ 4,482.50
 Total supplies, etc., Graduate College..... \$ 207.14
 Grand total..... \$ 4,689.64

ITEMIZED EXPENDITURES—SUMMER SESSION AND LIBRARY SCHOOL.

Summer Session:

Bohumil Shimiek, Professor of Botany.....\$ 250.00
 Howard Hammond, Instructor in Botany..... 100.00
 Lucy M. Cavanagh, Assistant in Botany..... 45.00
 E. W. Rockwood, Professor of Chemistry..... 300.00
 R. C. Huston, Assistant in Chemistry..... 45.00

F. E. Bolton, Professor of Education and Director of the Summer Session.....	500.00	
F. C. Ensign, Professor of Education.....	250.00	
H. C. Dorcas, Professor of Education.....	250.00	
R. M. Stewart, Assistant in Education.....	45.00	
A. B. Noble, Professor of English.....	250.00	
Percival Hunt, Assistant Professor of English...	150.00	
Clara H. Baker, Assistant in English.....	45.00	
C. B. Wilson, Professor of German.....	300.00	
J. T. Geissendoerfer, Instructor in German.....	100.00	
Mildred Price, Assistant in Greek.....	45.00	
W. C. Wilcox, Professor of History.....	500.00	
F. C. Eastman, Professor of Latin.....	300.00	
George M. Sharrard, Instructor in Latin.....	100.00	
A. C. Newell, Supervisor of Manual Training....	250.00	
R. P. Baker, Instructor in Mathematics.....	150.00	
J. F. Reilly, Instructor in Mathematics.....	100.00	
C. G. Simpson, Instructor in Mathematics.....	100.00	
C. E. Seashore, Professor of Psychology.....	300.00	
E. D. Starbuck, Professor of Philosophy.....	250.00	
George H. Mount, Assistant in Philosophy and Psychology	45.00	
J. L. Gillin, Assistant Professor of Political Economy and Sociology.....	150.00	
Paul S. Peirce, Assistant Professor of Political Economy and Sociology.....	150.00	
F. E. Horack, Assistant Professor of Political Science	150.00	
K. E. Guthe, Professor of Physics.....	300.00	
L. P. Sieg, Assistant Professor of Physics.....	150.00	
S. H. Bush, Professor of Romance Languages...	250.00	
Gilbert L. Houser, Professor of Zoology.....	250.00	
O. F. Kampmeler, Assistant in Zoology.....	45.00	
Stenographic service.....		\$ 17.40
J. F. Riggs—expenses.....		6.00
Supplies, etc.....		52.51
Library School:		
Harriet E. Howe, Instructor in Cataloging.....	150.00	
Isabella M. Cooper, Instructor in Classification..	150.00	
Edna Lyman, Instructor in Library Work.....	75.00	
Alice S. Tyler—expenses.....		25.00
Fanny Duren—expenses.....		3.77
Isabella M. Cooper—expenses.....		58.95
Edna Lyman—expenses.....		18.85
Margaret Brown—expenses.....		10.64
Total salaries, Summer Session and Library School	\$ 6,590.00	

Total expenses, etc., Summer Session and Library School.....	\$ 193.12
Grand total.....	\$ 6,783.12

ITEMIZED EXPENDITURES—LIBRARY.

M. G. Wyer, Librarian.....	\$ 1,800.00
Harriet E. Howe, Head Cataloguer (eleven months)	1,008.33
Jennie E. Roberts, Assistant Cataloguer.....	800.00
Nina Shaffer, Assistant Cataloguer.....	720.00
Jacob Van der Zee, Reference Assistant (ten months)	666.67
Meda Holman, Assistant (four months).....	140.00
Bess Martin, Order Clerk and Stenographer (three months)	120.00
Josephine Leonard, Order Clerk and Stenographer (six months).....	258.00
Assistance by the hour.....	\$ 574.17
Assistance for filing.....	194.25
Supplies and incidentals.....	504.18
Total salaries, Library.....	\$ 5,513.00
Total assistance and supplies, Library.....	\$ 1,272.60
Grand total.....	\$ 6,785.60

ITEMIZED EXPENDITURES—ALUMNI BUREAU.

E. C. Robbins, Secretary (eleven months).....	\$ 550.00
M. L. Ferson, Editorial Manager (one month at \$100, eleven months at \$33.33).....	466.64
Stenographic service, supplies, etc.....	\$ 634.67
Stenographic service, etc., Alumni Directory.....	700.78
Total salaries, Alumni Bureau.....	\$ 1,016.64
Total stenographic service and supplies, Alumni Bureau.....	\$ 1,335.45
Grand total.....	\$ 2,352.09

ITEMIZED EXPENDITURES—ADMINISTRATION.

President's office:	
George E. MacLean, President.....	\$ 6,000.00
George B. McKibbin, Executive Clerk.....	720.00
C. C. Hakes, Messenger.....	100.00
Furniture and supplies.....	\$ 131.12

Registrar's office:

E. C. Barrett, Registrar and Secretary to the President	1,800.00	
Helen C. Gilchrist, Assistant (nine months).....	540.00	
Hazeldean Toof, Assistant (eleven months).....	520.00	
Furniture and supplies.....		313.79
Assistance by the hour.....		621.78

Secretary's office:

W. J. McChesney, Secretary.....	2,500.00	
W. H. Bates, Assistant.....	1,200.00	
Supplies, etc.....		54.01
Assistance by the hour.....		506.70

Treasurer's office:

Lovell Swisher, Treasurer.....	800.00	
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Dean of Women:

Anna M. Klingenhagen, Dean (ten months).....	1,333.34	
Mabel M. Volland, Acting Dean (summer).....	40.00	

Total salaries, Administration.....	\$ 15,553.34	
Total furniture, supplies, assistance by the hour, etc.....		\$ 1,627.40
Grand total.....		\$ 17,180.74

ITEMIZED EXPENDITURES—UNIVERSITY EXTENSION.

Expended for traveling expenses, printing, stereopticon supplies, stenographic service, etc., for University Extension work	\$ 335.05
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GENERAL EXPENDITURES FROM INCOME FUND.

President's traveling expenses.....	\$ 502.72
Commencement expenses.....	1,330.75
General unclassified account.....	7,324.66
This sum was expended for items for which no special appropriations were made.	
Mimeographic and stenographic supplies for all departments..	172.48
Board of Publications	64.20
This sum was expended for reprints of articles by Professors Macbride and Nutting.	
General lectures.....	494.97
This sum was expended in paying the expenses of lecturers for University assemblies, vesper services, etc., as follows:	
Dr. Andrew S. Draper, Dr. George Kirchwey, President H. H. Seerley, Warden J. C. Sanders, John MacVicar, Frank E. Brown, Rev. J. C. Cochran, Rev. Joseph Newton, Mrs. A. M. Mosher, Grace L. Watson, Hon. James Bryce, C. M. Woodward.	
Printing and paper.....	2,408.41
Printing, stationery and miscellaneous publications.	

Calendars and announcements.....	2,342.26
Cost of printing the calendars, and the announcements of all schools and colleges.	
Postage: On general matter	\$ 2,151.65
On second-class matter	768.83
	2,920.48
Telegrams	132.34
Advertising	1,442.16
Advertising of the University in miscellaneous publications.	
Janitor service	17,089.15
Janitors are paid from \$40 to \$50 a month; student help is paid 15 cents an hour.	
Janitors' supplies	1,336.32
Engineer and firemen	6,861.74
The engineer is paid \$1,000 per annum; two operators at the hydro-electric plant are paid \$60 a month each, and one at the sub-station \$55 a month. There are from four to ten firemen, varying according to the season of the year, who are paid from \$45 to \$55 a month each.	
Power-house and heating plant supplies.....	486.22
Fuel	23,594.38
Contracts for the year 1909-10 were awarded to W. G. Block Co., Muscatine, Iowa, for Cable, Ill., screenings at \$1.84 a ton and to C. W. Thompson, Iowa City, for Assumption and Moweka nut and pea at \$2.40, Lincoln, Ill., Springfield, district mine run at \$2.60 and Thayer, Ill., washed screenings No. 4 and 5 at \$2.275 a ton, the amount of each to be determined by the University. Prices f. o. b. Iowa City. Hauling costs 20 cents a ton. Consumption 8,300 tons. Owing to the severe winter and the inability of the contractors to fill our orders, we were obliged to buy elsewhere at higher prices.	
Water service	1,766.50
For all water used in all University buildings, at a cost of \$411 a quarter.	
Gas and electric light	2,780.45
Gas costs \$1.30 a 1,000 cubic feet and electric light 14 cents a k. w. hour.	
Telephones	568.52
Y. M. C. A. rent.....	800.00
The University rents three halls for the use of the literary societies and the gymnasium for use as a women's gymnasium, paying \$800 per annum, besides heating the building from the University heating plant.	
Y. M. C. A. support.....	400.00
Money expended to maintain an employment bureau and to make a directory of rooming and boarding places.	
University laundry—wages	87.99
Garbage service	409.50

Stenographic service	754.47
For all departments and for the administrative offices, paid at the rate of 25 cents an hour.	
Ice	773.69
Hymn books—for use at assemblies	392.90
G. H. Ellsworth, superintendent of Grounds and Buildings (1-2 salary)	1,000.00
Mr. Ellsworth received a salary of \$2,000 for the year, \$1,000 being charged to the Building Tax Fund.	
David S. Welch, Assistant Superintendent of Grounds and Buildings—salary	1,020.00
Ellsworth Bright, head janitor—salary	840.00
S. E. Shaff, University electrician—salary	1,150.00
F. P. Englert, University carpenter—salary	840.00
Total general expenditures from Income Fund	\$ 82,087.25

UNIVERSITY HOSPITAL ACCOUNT.

Balance in Income Fund to credit of the University Hospital account, July 1, 1909	\$ 4,834.78
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RECEIPTS.

Hospital earnings	\$ 34,920.73
Nurses' earnings outside of hospital	2,110.88
Operating room fees	3,710.00

Total receipts, 1909-10

\$ 40,741.61

EXPENDITURES.

Salaries	\$ 6,572.52
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The superintendent of the Nurses Training School of the Hospital received \$100 a month; the Head Nurse, \$55 a month; the Matron, \$70 a month; the Assistant Matron \$30 a month; the Housekeeper \$55 a month; and the Dietitian \$50 a month. There were about 35 nurses who received \$5 a month each.

Help	3,350.57
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There was a cook employed at \$40 a month; a second cook at \$30 a month; two women to do cleaning at \$30 a month each, and about 8 house maids at from \$14 to \$15 a month each.

Provisions	11,373.42
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Household	14,751.12
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This account covers house furnishings for the hospital, including furniture, carpets, linen, dishes, etc.

Medicine	5,574.58
This account covers medical and surgical supplies.	
Total expenditures, 1909-10	\$ 42,102.22
Balance in Income Fund to the credit of the University Hospital account, June 30, 1910	3,474.17
	\$ 45,576.39
	\$ 45,576.39

UNIVERSITY HOMEOPATHIC HOSPITAL ACCOUNT.

Balance in Income Fund to the credit of University Homeopathic Hospital account, July 1, 1909	\$ 35.59
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RECEIPTS.

Hospital earnings	\$ 7,001.14
Nurses' earnings outside of hospital	687.33
Operating room fees	1,045.00

Total receipts, 1909-10

\$ 8,733.47

EXPENDITURES.

Salaries	\$ 1,406.61
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The Superintendent received \$60 a month. There were about 12 nurses who received \$5 a month each.

Help	542.68
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A cook was employed at \$24 a month, and a housekeeper at \$14 a month; also a woman for cleaning at various times at 15 cents an hour.

Provisions	3,580.37
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Household	1,676.15
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This account includes house furnishings for the hospital, including furniture, carpets, linen, dishes, etc.

Medicine	766.63
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This account covers medical and surgical supplies for the hospital.

Total expenditures, 1909-10

\$ 7,972.44

Balance in Income Fund to the credit of the University Homeopathic Hospital account, June 30, 1910	796.62
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\$ 8,769.06

\$ 8,769.06

FIRST BIENNIAL REPORT.

LAW LOAN BOOK ACCOUNT.

Balance in Income Fund to credit of Law Loan Book account, July 1, 1909.....	\$	317.99
Received from the rent of law books.....		364.75

EXPENDITURES.

Paid out for new books and for the rebinding of old loan sets		\$	457.11
Balance in Income Fund to the credit of the Law Loan Book account, June 30, 1910.....			225.63
	\$	682.74	\$ 682.74

LIBRARY FUND.

Cash on hand July 1, 1909.....	\$	2.74
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RECEIPTS.

From state warrants under chapter 244, section 1, laws of 33d G. A.....	15,000.00
From the sale of books and supplies.....	37.39

EXPENDITURES.

General Library—books	\$	10,018.34	
General Library—binding		1,243.69	
Law Library—books and binding		2,332.32	
Total expenditures, 1909-10	\$	13,594.35	
Balance on hand, June 30, 1910.....		1,445.78	
	\$	15,040.13	\$ 15,040.13

BUILDING TAX FUND.

Cash on hand, July 1, 1909.....	\$	9,780.35
Received State warrants under chapter 171, section 2, laws of the 29th G. A.....	\$	75,000.00

EXPENDITURES.

G. H. Ellsworth, Superintendent of Construction, (1-2 salary)	\$	1,000.00
Law Building— Collins Bros., on contract for erection of building	\$	46,130.54
Plans—Proudfoot & Bird		627.56
Plumbing		920.49
Heating		3,993.96
Heat regulation		1,014.50

Steam fitting	27.50
Electrical work	2,339.33
Hardware	629.06
Blackboards	92.76
Shades	203.01
Grading	270.22
Miscellaneous	558.77

Total, Law Building \$ 56,807.70

Engineering Shops Building—

C. W. Ennis—on contract for the erection of the building	\$	13,136.64
Plans—Proudfoot & Bird		393.33
Plumbing		590.86
Heating		742.24
Steam fitting		13.75
Electrical work		540.30
Hardware		338.58
Miscellaneous		42.05

Total, Engineering Shops building..... \$ 15,797.75

Physics Building—

Jas. Rowson & Co.—on contract for the erection of the building.....	\$	3,995.00
Plans—Proudfoot & Bird		3,267.35
Heating		104.59
Tunnel		255.16
Removing vaults		128.50
Miscellaneous		48.55

Total, Physics building \$ 7,799.15

Total expenditures from the Building Tax

Fund, 1909-10	81,404.60
Cash on hand, June 30, 1910.....	3,375.75

\$ 84,780.35 \$ 84,780.35

EQUIPMENT LAW BUILDING, ETC., FUND.

Received state warrants under chapter 244, section 1, laws of 33d G. A.....	\$	9,500.00
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EXPENDITURES.

Equipment for office of Dean, College of Liberal Arts	\$	101.00
Equipment—miscellaneous buildings		70.00

Equipment—Law Building—

Snead & Co., Iron Works—book stacks	\$ 1,982.00	
Library Bureau—tables, cases, etc....	3,153.50	
S. Davidson & Bros.—desks.....	460.69	
Sanders Bros. Mfg. Co.—tables.....	581.40	
Schneider Bros.—chairs	1,787.25	
Miscellaneous furnishings, labor, etc.	1,313.21	
Total equipment Law Building.....	9,228.05	
Total expenditures, 1909-10	9,399.05	
Balance on hand, June 30, 1910.....	100.95	
	\$ 9,500.00	\$ 9,500.00

HEATING AND HYDRAULIC PLANTS EQUIPMENT FUND.

RECEIPTS.

State warrants under chapter 244, section 1, laws of 33d G. A.....	\$ 7,500.00
Sale of old material	99.84

EXPENDITURES.

Dynamo—Hydraulic Plant—		
Allis-Chalmers Co.....	\$ 1,149.07	
Labor, lumber, etc.....	23.94	
Total expenditures, dynamo....	\$ 1,173.01	
Stokers—Heating Plant—		
Underfeed Stoker Co.—stokers.....	\$ 4,525.69	
Underfeed Stoker Co.—boiler supports	227.21	
Iowa City Iron Works—iron work..	413.85	
Martin Gerber—galvanized iron....	182.00	
Fittings, etc.	69.17	
Lumber	112.81	
Labor	636.84	
Freight and transfer	207.37	
Miscellaneous expense	51.89	
Total expenditures, stokers.....	6,426.83	
Total expenditures, 1909-10	7,599.84	
	\$ 7,599.84	\$ 7,599.84

EQUIPMENT NEW MEDICAL BUILDING FUND.

Cash on hand, July 1, 1909.....\$ 382.18

EXPENDITURES.

Equipment—pathology and bacteriology—shades, etc.	\$ 33.54	
Equipment—physiology	4.45	
Equipment—laboratory of hygiene.....	33.37	
Total expenditures, 1909-10.....	\$ 71.36	
Balance on hand, June 30, 1910.....	310.82	
	\$ 382.18	\$ 382.18

ENGINEERING SHOPS, ETC., FUND.

Cash on hand, July 1, 1909.....\$ 63.20

EXPENDITURES.

Labor, lumber, and pulley, Hydraulic Plant.....	\$ 63.20	
	\$ 63.20	\$ 63.20

EQUIPMENT AND SUPPLIES FUND.

Cash on hand, July 1, 1909.....\$ 3,048.17

RECEIPTS.

State warrants under chapter 244, section 1, laws of 33d G. A.....	\$ 7,500.00
Miscellaneous sale of old material.....	44.50
Total receipts, 1909-10.....	\$ 7,544.50

EXPENDITURES.

Applied Science—equipment—		
Civil Engineering	\$ 101.66	
Mechanical Engineering	563.21	
Electrical Engineering	572.13	
Mining Engineering	82.22	\$ 1,319.22
Commercial Museum—equipment		309.12
College of Dentistry—equipment		768.06
University Laundry—equipment		1,786.11
Engineering Building Addition—equipment.....		864.98
Laboratory of Hygiene—equipment		119.48
Library—cases		675.02
Physics—equipment		957.30
Philosophy and Psychology—equipment.....		45.00
Sup't of Buildings and Grounds—equipment.....		77.90
General equipment		73.98
Gas light fixtures		26.50

College of Medicine—electrical equipment.....	396.17
Electrical supplies	1,431.38
Plumbing supplies	555.90
Total expenditures, 1909-10	\$ 9,496.12
Balance on hand, June 30, 1910.....	1,096.55
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	\$ 10,592.67 \$ 10,592.67

REPAIR AND CONTINGENT FUND.

RECEIPTS.

State warrants under chapter 212, section 2, laws of 32d G. A.....	\$ 7,500.00
State warrants under chapter 244, section 1, laws of 33d G. A.....	7,170.32
Miscellaneous sale of old material.....	249.40
Total receipts, 1909-10.....	\$ 14,919.72

EXPENDITURES.

General repairs.....	\$ 2,255.00
Plumbing repairs.....	1,058.33
Electrical repairs.....	389.77
University Hospital—repairs and painting.....	53.00
University Homeopathic Hospital—repairs and painting	123.52
Old Science Hall—repairs and painting.....	357.36
Dental Building—repairs and painting.....	433.29
Old Capitol Building—repairs and painting.....	544.11
Chemical Laboratory—repairs and painting.....	1,398.47
Armory—repairs and painting.....	161.86
Medical Laboratory—repairs and painting.....	3.29
Unity Hall—repairs and painting.....	820.34
Hall of Liberal Arts—repairs and painting.....	298.00
Hall of Liberal Arts—blackboards and furniture..	182.46
Chemical Laboratory—painting.....	198.21
Chemical Laboratory—ventilating system.....	999.33
Iowa Avenue Building—repairs.....	4.00
Heating Plant—repairs.....	438.05
Hospital Boiler—repairs.....	546.65
Boiler repairs	38.34
Pharmacy Laboratory—repairs.....	3.77
Laundry Building—repairs.....	20.35
Nurses' Home—repairs.....	103.63
Women's Gymnasium—repairs.....	75.35
Care of Athletic Field	184.43
Care of Campus.....	45.00
Campus driveway.....	53.78

Registrar's office—repairs.....	102.99
President's house—grading.....	142.73
Engineering Building—walk.....	29.78
Byington lot—filling.....	54.67
Carpenter shop—moving.....	29.00
Heating Plant—stoker.....	1,737.49
Hydro-electric Plant—dynamo.....	8.30
Gas engine.....	2,021.42
Total expenditures, 1909-10.....	\$ 14,916.07
Balance on hand, June 30, 1910.....	3.65
	<hr/>
	\$ 14,919.72 \$ 14,919.72

PAVING AND SIDEWALKS FUND.

RECEIPTS.

State warrants under chapter 244, section 1, laws of 33d G. A.....	\$ 3,000.00
Sale of old material.....	35.25
Total receipts.....	\$ 3,035.25

EXPENDITURES.

Miscellaneous expenses for labor and material in the construction of cement walks around the Medical Laboratory Building, the Armory, the Law Building and on University property on Madison street.....	\$ 633.09
Labor—care of campus.....	313.50
Total expenditures, 1909-10.....	946.59
Balance on hand, June 30, 1910.....	2,088.66
	<hr/>
	\$ 3,035.25 \$ 3,035.25

CARE AND IMPROVEMENT OF CAMPUS FUND.

Cash on hand, July 1, 1910.....	\$ 113.99
Miscellaneous expenditures—care of campus.....	\$ 113.99
	<hr/>
	\$ 113.99 \$ 113.99

DONATED LAND FUND.

Cash on hand, July 1, 1910.....	\$ 674.03
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RECEIPTS.

From the Athletic Union—½ cost of erecting two sections of concrete bleachers	\$ 764.88
From rents.....	465.33
Total receipts, 1909-10.....	\$ 1,230.21

EXPENDITURES.

Concrete bleachers:

Expanded metal and bars.....	\$ 129.08
Labor	749.84
Lumber	428.10
Hardware	45.45
Sand	137.06
Miscellaneous expense—fittings, etc.	40.24

Total expenditures, 1909-10....	\$ 1,529.77
Balance on hand, June 30, 1910..	374.47

\$ 1,904.24	\$ 1,904.24
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SPECIAL LAND FUND.

Cash on hand, July 1, 1909.....	\$ 1,637.70
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RECEIPTS.

State warrants, chapter 244, section 1, laws of 33d G. A.....	\$ 17,500.00
Rents	496.00
Sale of old buildings on property pur- chased	1,367.00
Sale of old material.....	4.40

Total receipts, 1909-10.....	\$ 19,367.40
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EXPENDITURES.

O. A. and Fannie B. Byington:

Purchase price of lot 8, block 96, Iowa City, Iowa.....	\$ 3,000.00
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Sheriff of Johnson County:

Purchase price by condemnation of W. ½ of lot 1, block 96, Iowa City	2,500.00
E. ½ of lot 1, block 96, Iowa City..	3,425.00
Lot 2, block 96, Iowa City.....	4,500.00
Sheriff's costs.....	22.15

10,447.15

Malliw Investment Co.:

Purchase price of W. ½ of lot 4, block 60, Iowa City.....	5,650.00
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Wade, Dutcher & Davis:

Legal services in condemnation pro- ceedings	75.00
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George W. Dvorsky:

Recording deeds.....	4.50
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Security Abstract Co.:

Abstract	2.00
Sundry expenditures for labor and ma- terial in repairing Iowa Avenue Building for the Marshall-O'Brien- Worthen Co.....	423.99
Sundry expenditures for repairs on buildings owned and rented by the University	61.71
Insurance on buildings purchased by the University.....	30.25
Total expenditures, 1909-10....	\$ 19,694.60
Balance on hand, June 30, 1910..	1,310.50
\$ 21,005.10	\$ 21,005.10

PERMANENT LAND FUND.

Cash on hand, July 1, 1909.....	\$240,320.36	\$240,320.36
Cash on hand, June 30, 1910.....		
\$240,320.36	\$240,320.36	

WILLIAM JENNINGS BRYAN PRIZE FUND.

Cash on hand, July 1, 1909.....	\$ 250.00	\$ 250.00
Cash on hand, June 30, 1910.....		
\$ 250.00	\$ 250.00	

NOTE—This fund was established by William Jennings Bryan, the interest to be used for an annual prize for the best essay on some phase of political science.

WILLIAM JENNINGS BRYAN PRIZE INTEREST FUND

Cash on hand, July 1, 1909.....	\$ 23.62
Received interest on principal of \$250.....	12.54

EXPENDITURES.

Clifford Powell—first prize, political science essay	\$ 10.00
Balance on hand, June 30, 1910.....	26.16
\$ 36.16	\$ 36.16

CHARLES M. JESUP PRIZE FUND.

Received from Charles M. Jesup.....	\$	50.00	
Expended—Kenneth W. Colgrove, prize for best essay on phase of present-day citizenship.....			\$ 50.00
	\$	50.00	\$ 50.00

NOTE—The sum of \$50 is contributed annually to this fund by Charles M. Jesup to constitute a prize to an undergraduate man of the University for the best essay on some phase or phases of present-day citizenship.

A. WHITNEY CARR FREE SCHOLARSHIP FUND.

Cash on hand, July 1, 1909.....	\$	50,000.00	
Cash on hand, June 30, 1910.....			\$ 50,000.00
	\$	50,000.00	\$ 50,000.00

A. WHITNEY CARR FREE SCHOLARSHIP INTEREST FUND.

Cash on hand, July 1, 1909.....	\$	3,661.42
Received interest on principal of \$50,000.....		2,755.42

EXPENDITURES.

Scholarships as follows:

Clyde Warwick.....	\$	25.00
Ethel Newcomb.....		25.00
K. Ghose.....		5.00
E. C. Robbins.....		5.00
Eda Louis.....		5.00
H. J. Udinsky.....		5.00
Theo. Wanerus.....		5.00
P. Das.....		5.00
H. H. Moyer.....		20.00
G. W. Moffitt.....		20.00
Bessie L. Pierce.....		20.00
Eugene Tilton.....		20.00
Clifford Farr.....		20.00
H. E. Harlow.....		20.00
Carl Downing.....		20.00
Leonidas Dennis.....		20.00
Joseph Richmond.....		20.00
J. I. Marker.....		20.00
Karl S. Putnam.....		20.00
H. E. Webb.....		20.00
E. T. McKellips.....		20.00
Franklin Jones.....		20.00
Adah Hyde.....		20.00

C. L. Gatten.....	20.00
J. H. Gadbury.....	20.00
E. C. Robbins.....	20.00
J. W. Hopkinson.....	20.00
Agnes W. Beach.....	20.00
Ruth Ellison.....	20.00
Ernest Fogelberg.....	20.00
Eda Louis.....	20.00
Percy E. Van Nostrand.....	20.00
Frances Van Boskirk.....	20.00
Laura Brown.....	20.00
H. D. Hanson.....	20.00
Olive Kunz.....	20.00
Mansel Ross.....	20.00
F. C. Waples.....	20.00
S. C. Lochrie.....	20.00
Marie Bordeaux.....	20.00
Clara Cook.....	20.00
Helen Letson.....	20.00
Ada H. Beach.....	20.00
James J. Tricky.....	20.00
Ralph H. Ellinghouse.....	20.00
E. H. Watsabaugh.....	20.00
Hazel Hull—disability allowance...	100.00
K. P. Ghose.....	20.00
William B. Byers.....	20.00
Elizabeth Baum.....	20.00
John A. Fullerton.....	20.00
Carl T. Bowen.....	20.00
Frank D. Baer.....	20.00
Katherine Nebe.....	20.00
Ina McCurdy.....	10.00
R. W. Gearhart.....	20.00
J. Myrri Morse.....	20.00
Callie Wieder.....	20.00
A. B. Pittman.....	20.00
J. J. Newlin.....	20.00
H. J. Wehman.....	20.00
C. L. Shepard.....	20.00
W. B. George.....	20.00
I. E. Houk.....	20.00
J. B. Clyde.....	20.00
Arthur A. Zimmerman.....	20.00
George K. Thompson.....	20.00
F. A. Loudin.....	20.00
J. A. W. Johnson.....	20.00
C. G. Gustafson.....	20.00
C. W. Gallaher.....	20.00
F. McDowell.....	20.00

Theo. Wanerus.....	20.00
Nellie M. Baird.....	20.00
J. W. Crump.....	20.00
Paul Endicott.....	20.00
J. E. Silverman.....	20.00
Goldie D. Phares.....	20.00
S. K. Roy.....	20.00
H. C. Langland.....	20.00
Hans Mohr.....	20.00
Albert W. Graham.....	20.00
L. J. Kiser.....	20.00
Harry Kiesling.....	20.00
Frank L. Abbott.....	20.00
Hazel Roth.....	20.00
Dan R. Bate.....	20.00
E. O. Osier.....	20.00
Bess Martin.....	20.00
Hannah Phelps.....	20.00
Roland Philbrook.....	20.00
A. L. Schmale.....	20.00
Morris A. Repass.....	20.00
W. R. Watsabaugh.....	20.00
Clayton F. Brower.....	20.00
Georgia MacArthur.....	20.00
Johanna Busse.....	20.00
Anna Shepard.....	20.00
Helen Silsbee.....	20.00
Stephen Stone.....	20.00
T. Bosch.....	10.00
Oscar E. Campbell.....	10.00
Leo Dunton.....	80.00
William Bennett.....	10.00
Marie B. McCabe.....	20.00
Henry C. Ritz.....	10.00
Cora Fischer.....	20.00
Bessie Pierce.....	20.00
Frank Cain.....	20.00
Harry Tracy.....	20.00
Frank G. McCoy.....	20.00
Gertrude James.....	20.00
Carol O. Sjulín.....	20.00
Frank P. Hogan.....	20.00
A. R. Kirk.....	20.00
Amos B. Wenzel.....	20.00
Maud Waltz.....	20.00
E. J. Wright.....	10.00
A. B. Wenzel.....	20.00
Pearl Peterson.....	10.00
C. C. Hakes.....	10.00

Edith L. Ketchum.....	10.00
M. Jean Wilkinson.....	10.00
R. W. Zastrow.....	10.00
D. J. Gilchrist.....	10.00
Sebina McGrah.....	10.00
Guy E. Richardson.....	10.00
T. Bosch.....	10.00
Floyd C. Beach.....	10.00
Howard Sieg.....	10.00
Herbert Himes.....	10.00
Earl L. Consoliver.....	10.00
Bertha Sterling.....	10.00
Elsie Grubb.....	10.00

Total expenditures, 1909-10....	\$ 2,530.00
Balance on hand, June 30, 1910..	3,886.84
	<hr/>
	\$ 6,416.84 \$ 6,416.84

F. O. LOWDEN ORATORY PRIZE FUND.

Twenty-five shares of 7 per cent. preferred stock of the National Biscuit Co. on hand July 1, 1909, and June 30, 1910.....	\$ 2,500.00	\$ 2,500.00
--	-------------	-------------

F. O. LOWDEN ORATORY PRIZE INTEREST FUND.

Cash on hand, July 1, 1909.....	\$ 243.75
Received 7 per cent. dividend on 25 shares pre- ferred stock of the National Biscuit Co.....	175.00

EXPENDITURES.

Paul S. Collier—first prize Northern Oratorical League Contest, 1910.....	\$ 100.00
Irma E. Voigt—second prize Northern Oratorical League Contest, 1910.....	50.00
	<hr/>
Total expenditures, 1909-10.....	\$ 150.00
Balance on hand, June 30, 1910.....	268.75
	<hr/>
	\$ 418.75 \$ 418.75

MARK RANNEY MEMORIAL FUND.

Cash on hand, July 1, 1909.....	\$ 64,867.66
Received from sale of C., R. I. & P. stock.....	6,529.01
Balance on hand, June 30, 1910.....	\$ 71,396.67
	<hr/>
	\$ 71,396.67 \$ 71,396.67

NOTE—This fund was established by Martha W. Ranney, the interest from the fund to be used in establishing and maintaining the Mark Ranney Memorial Institute for the foundation of a College of Fine Arts in connection with the University.

MARK RANNEY MEMORIAL INTEREST FUND.

Cash on hand, July 1, 1909.....\$ 499.44

RECEIPTS.

Rents from Ranney Hall.....\$ 365.00
Interest on Ranney Memorial Fund.. 4,028.40

Total receipts, 1909-10..... 4,393.40

EXPENDITURES.

C. A. Cumming, Head of Department of Fine Arts		
—salary	\$ -1,200.00	
Harold A. Miles—salary.....	1,000.00	
Bertha Stinner—allowance.....	300.00	
Ralph E. C. Gossage—Library.....	19.00	
Equipment for the Department of Fine Arts....	197.81	
Lovell Swisher—tax sale, lots 7, 8, 9 and 10, Lone		
Tree, Iowa.....	55.62	
Baker, Ball & Ball—attorneys' fees.....	121.11	
D. Maher—insurance for Ranney Hall.....	36.76	
Joseph Brysch—labor at Ranney Hall.....	241.35	
Labor and material for painting, repairing, etc., at		
Ranney Hall.....	409.54	
Iowa City Water Co.—water rent, Ranney Hall..	20.00	
Iowa City Gas and Electric Co.—light for Ranney		
Hall	14.81	
Miscellaneous expense—Ranney Hall.....	33.08	

Total expenditures, 1909-10..... \$ 3,648.98
Balance on hand, June 30, 1910..... 1,243.86

\$ 4,892.84 \$ 4,892.84

WAITE LOWRY GIFFORD MEMORIAL FUND.

Cash on hand, July 1, 1909.....\$ 8,737.08
Cash on hand, June 30, 1910..... \$ 8,737.08

\$ 8,737.08 \$ 8,737.08

WAITE LOWRY GIFFORD MEMORIAL INTEREST FUND.

Cash on hand, July 1, 1909.....\$ 50.00
Received interest on Waite Lowry Gifford Me-
morial Fund..... 294.77

EXPENDITURES.

University Hospital.....	\$ 49.00	
Balance on hand, June 30, 1910.....	295.77	
	<hr/>	
	\$ 344.77	\$ 344.77

INVENTORY—JUNE 30, 1910.

Real estate, including Terrill Dam property.....	\$ 870,429.85
Buildings	1,560,991.69
General equipment of buildings.....	77,973.21
Departmental equipment.....	580,070.67
	<hr/>
	\$3,089,465.42

STATE UNIVERSITY.

TREASURER'S REPORT.

IOWA CITY, Iowa, September 21, 1910.

To the Honorable State Board of Education:

GENTLEMEN—I have the honor to submit herewith a statement of the Income Receipts and Disbursements of this office for the biennial period commencing July 1, 1908, and ending June 30, 1910.

I include in this statement the transfer of funds, as ordered.

I also submit herewith a statement of assets of the State University of Iowa, June 30, 1910.

I have not included in this statement the University buildings and other properties located in Iowa City, Iowa.

BALANCES JULY 1, 1908.

Income Fund.....	\$ 8,600.98
Building Tax Fund.....	20,083.34
Special Land Fund.....	2,794.30
Equipment and Supplies Fund.....	1,113.82
Donated Lands Fund.....	1,473.05
Equipment New Medical Building Fund.....	526.51
Equipment Shops, Etc., Fund.....	515.02
William J. Bryan Prize Fund and Interest Fund..	21.12
Equipment Natural Science Building Fund.....	15,436.70
Library Fund.....	1.85
Paving and Sidewalks Fund.....	240.14
The A. Whitney Carr Free Scholarship Interest	
Fund	3,398.52
The Frank O. Lowden Oratory Fund.....	218.75
Improvement and Care of Lands Fund.....	17.70

\$ 54,441.60

OVERDRAWN.

Repairs and Contingent Fund.....\$	.50	
Equipment New Science Hall, etc..	35,175.65	
	<u>35,176.15</u>	\$ 19,265.45,

RECEIPTS.

State Appropriations:

Repairs and Contingent Fund.....\$	24,670.32
Income Fund.....	515,782.92
Building State Tax Fund.....	170,000.00
Special Land Fund.....	39,518.95
Equipment and Supplies Fund.....	17,500.00
Equipment New Science Hall, New Wing of Hospital, Etc., Fund.....	17,500.00
Improvement and Care of Lands Fund.....	2,000.00
Library Fund.....	20,000.00
Paving and Sidewalks Fund.....	5,500.00
Equipment Heating Plant, Etc., Fund.....	7,500.00
Equipment New Law Building, Etc., Fund.....	9,500.00

829,472.19

From Secretary:

Tuitions	\$130,219.75
Hospital fees.....	93,538.29
Dental clinics' fees.....	16,568.84
Ophthalmology and otology.....	1,754.38
Law Loan Book Account.....	643.25
Diploma fees.....	7,845.00
Miscellaneous	3,749.92
Repairs and Contingent Fund.....	249.40
Building State Tax Fund.....	14.33
Special Land Fund.....	2,988.40
Donated Lands Fund.....	1,563.89
Library Fund.....	57.09
Paving and Sidewalks Fund.....	58.71
Equipment and Supplies Fund.....	44.50
Engineering Shops, Etc., Fund.....	20.74
The Frank O. Lowden Prize Fund.....	350.00
Mark Ranney Memorial Fund.....	780.30
Equipment Heating Plant, Etc., Fund.....	99.84
Charles M. Jesup Prize Fund.....	50.00

260,596.63

Other receipts:

Permanent Fund interest.....\$	24,887.69
The A. Whitney Carr Free Scholarship Fund interest	5,213.32
Interest on deposits.....	3,818.51
Rents	300.00

Rents donated lands.....	465.33
William J. Bryan Prize Fund interest.....	25.04
Mark Ranney Memorial Fund interest.....	6,377.66
Waite Lowry Gifford Memorial Interest Fund..	344.77
Correction of errors.....	10.49
	<u>41,442.81</u>

TRANSFERS.

Repairs and Contingent Fund (transferred from Income Fund).....\$	2,121.07
Equipment New Science Hall, New Wing of Hospital, Etc., Fund (transferred from Equipment Natural Science Building Fund).....	17,675.65
Equipment Natural Science Building Fund (transferred from Income Fund).....	2,297.60
Paving and Sidewalks Fund (transferred from Income Fund).....	216.06
	<u>22,310.38</u>
Total	\$1,173,087.46

DISBURSEMENTS.

Warrants paid:

Income Fund.....	\$790,359.50
Repairs and Contingent Fund.....	26,982.14
Building State Tax Fund	186,706.79
Special Land Fund.....	43,991.15
Equipment and Supplies Fund.....	17,561.77
Equipment New Medical Building Fund.....	225.69
Equipment Natural Science Building Fund....	58.65
Donated Lands Fund.....	3,127.80
Library Fund.....	18,492.56
Paving and Sidewalks Fund.....	3,926.25
The A. Whitney Carr Free Scholarship Interest Fund	4,725.00
The Frank O. Lowden Prize Fund.....	250.00
Engineering Shops, Etc., Fund.....	535.76
W. J. Bryan Prize Fund.....	20.00
Equipment Heating Plant, Etc., Fund.....	7,599.84
Equipment New Law Building, Etc., Fund....	9,399.05
Waite Lowry Gifford Memorial Interest Fund..	49.00
Charles M. Jesup Prize Fund.....	50.00
Mark Ranney Memorial Interest Fund.....	5,289.10
Improvement and Care of Lands Funds.....	2,017.70
	<u>1,121,367.75</u>

TRANSFERS.

Income Fund transferred to Paving and Sidewalks Fund	216.06	
Income Fund transferred to Repairs and Contingent Fund	2,121.07	
Income Fund transferred to Equipment Natural Science Building Fund.....	2,297.60	
Equipment Natural Science Building Fund transferred to Equipment New Science Hall, New Wing of Hospital, Etc., Fund.....	17,675.65	
		22,310.38

BALANCES JUNE 30, 1910.

Income Fund.....	\$ 12,715.30	
Building Tax Fund.....	3,390.87	
Repairs and Contingent Fund.....	58.65	
Special Land Fund.....	1,310.50	
Equipment and Supplies Fund.....	1,096.55	
Donated Lands Fund.....	374.47	
Equipment New Medical Building Fund.....	310.82	
Equipment Heating Plant, Etc., Fund.....		
Equipment New Law Building, Etc., Fund.....	100.95	
W. J. Bryan Prize Fund interest.....	26.16	
Library Fund.....	1,566.18	
Waite Lowry Gifford Memorial Interest Fund....	295.77	
Paving and Sidewalks Fund.....	2,088.66	
The A. Whitney Carr Free Scholarship Interest Fund	3,886.84	
Frank O. Lowden Oratory Fund.....	318.75	
Mark Ranney Memorial Interest Fund.....	1,868.86	
		29,409.33
Total		\$1,173,087.46

RECAPITULATION OF CASH TRANSACTIONS

For Biennial Period Ending June 30, 1910.

Cash balances July 1, 1908.....	\$ 19,265.45	
Total receipts for biennial period.....	1,131,511.63	
Total warrants paid.....		\$1,121,367.75
Cash balances June 30, 1910.....		29,409.33
	\$1,150,777.08	\$1,150,777.08

PERMANENT ASSETS JUNE 30, 1910.

Permanent Fund:		
Cash on hand.....	\$ 670.36	
Mortgage notes.....	239,650.00	
Total working capital.....		\$240,320.36

The A. Whitney Carr Free Scholarship Fund:

Cash on hand.....	150.00
Mortgage notes	49,850.00
Total working capital.....	\$ 50,000.00

Mark Ranney Memorial Fund:

Cash on hand.....	1,090.42
Mortgage notes.....	52,806.25
Debenture bonds.....	17,500.00
Total working capital.....	\$ 71,396.67

Waite Lowry Gifford Memorial Fund:

Cash on hand.....	737.08
Mortgage notes.....	8,000.00
Total working capital.....	\$ 8,737.08

The Frank O. Lowden Prize Fund:

Preferred stock of National Biscuit Co. (25 shares).....	2,500.00
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W. J. Bryan Prize Fund:

Interest on mortgage.....	250.00
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The books of this office show the number of acres of land unsold June 30, 1910, to be 2,658.03.

Respectfully submitted,

LOVELL SWISHER,
Treasurer of the State University of Iowa.

THE STATE UNIVERSITY OF IOWA

IOWA CITY

REPORT OF THE REGISTRAR

1908-1909 and 1909-1910

THE STATE UNIVERSITY OF IOWA.

IOWA CITY.

REGISTRAR'S REPORT.

To the President of the University and the Iowa State Board of Education.

GENTLEMEN: I respectfully submit herewith my report of the attendance of the University during the academic years 1908-1909 and 1909-1910.

Yours truly,

EDWARD C. BARRETT,

Registrar.

SUMMARY OF REGISTRATION—1908-1909.

ATTENDANCE BY COLLEGES.

Attendance by Colleges	Men	Women	Total
The College of Liberal Arts*.....	600	682	1,282
The Graduate College*.....	121	109	230
The Summer School for Library Training.....	0	41	41
The College of Applied Science.....	242	1	243
The College of Law.....	220	2	222
The College of Medicine.....	255	12	267
The Training School for Nurses.....	0	48	48
(College of Medicine)			
The College of Homeopathic Medicine.....	40	2	42
The Training School for Nurses.....	0	18	18
(College of Homeopathic Medicine)			
The College of Dentistry.....	168	3	171
The College of Pharmacy.....	71	2	73
The School of Music (affiliated).....	27	79	106
Total, including duplicates	1,744	942	2,686
Duplicates†	146	68	214
Total, excluding duplicates	1,598	874	2,472
*These figures include the Summer Session without duplicates.			
†The duplicates are made up as follows:			
Students enrolled in more than one college or school in the regular year.....	128	66	194
Students enrolled in more than one college or school in the Summer Session.....	2	0	2
Students enrolled in one college or school in the Summer Session and another during the regular year.....	16	2	18
Total	146	68	214

SUMMARY OF REGISTRATION—1909-1910.

ATTENDANCE BY COLLEGES.

Attendance by Colleges	Men	Women	Total
The College of Liberal Arts*	605	608	1,213
The Graduate College*	132	111	243
The Summer School for Library Training	0	23	23
The College of Applied Science	215	0	215
The College of Law	242	3	245
The College of Medicine	180	10	190
The Training School for Nurses	0	46	46
(College of Medicine)			
The College of Homeopathic Medicine	33	2	35
The Training School for Nurses	0	5	5
(College of Homeopathic Medicine)			
The College of Dentistry	158	4	162
The College of Pharmacy	53	2	55
The School of Music (affiliated)	15	48	63
Total, including duplicates	1,636	872	2,508
Duplicates†	111	45	156
Total, excluding duplicates	1,525	827	2,352
*These figures include the Summer Session without duplicates.			
†The duplicates are made up as follows:			
Students enrolled in more than one college or school in the regular year	97	40	137
Students enrolled in more than one college or school in the Summer Session	1	1	2
Students enrolled in one college or school in the Summer Session and another during the regular year	13	4	17
Total	111	45	156

STATISTICS FOR THE ACADEMIC YEAR 1908-1909.

DEGREES AND CERTIFICATES, 1908-1909.

Advanced Degrees	Men	Women	Total
Advanced Degrees:			
Master of Arts	6	7	13
Master of Science	6	3	9
Civil Engineer	9	0	9
Total number of advanced degrees conferred in 1908-1909	21	10	31
First Degrees:			
Bachelor of Arts	61	95	156
Bachelor of Science	3	0	3
Bachelor of Science in Chemistry	1	0	1
Bachelor of Engineering	26	0	26
Bachelor of Laws	47	1	48
Doctor of Medicine (College of Medicine)	41	1	42
Doctor of Medicine (College of Homeopathic Medicine)	7	0	7
Doctor of Dental Surgery	38	1	39
Graduate in Pharmacy	17	1	18
Total number of first degrees conferred, 1908-1909	241	99	340
Certificates:			
Practitioner's Course in Pharmacy	6	0	6
School of Education	19	69	88
Special work in Ophthalmology, Otology and Rhinology	3	0	3
Special work in Dentistry	2	0	2
Special work in Medicine	0	1	1
Internes, University Homeopathic Hospital	5	0	5
Total number of certificates granted	35	70	105
Total number of degrees and certificates	297	179	476

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

RESIDENCE OF STUDENTS 1908-1909

States in Union	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		App'd Scie		Music		M. N. W.		H. M. N. W.		L. T. S.		Total Excluding Duplicates			
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.		
Alabama																												
Colorado	3	1																										
Idaho																												
Illino's	6	3																										
Indiana	1	2																										
Iowa	560	600	2	224	9	32	2	18	3	61	2	106	96	219	24	70	41	17	34							1,466	816	
Kansas																												
Kentucky																												
Maine																												
Maryland																												
Michigan																												
Minnesota																												
Mississippi																												
Missouri	4	1																										
Montana																												
Nebraska																												
New Jersey																												
New York																												
North Dakota																												
Ohio																												
Oregon																												
Pennsylvania																												
South Carolina																												
South Dakota																												
Tennessee																												
Texas																												
Utah																												
Virginia																												
Washington																												
Wisconsin																												
Total for Union																											1,577	871

RESIDENCE OF STUDENTS 1908-1909—CONTINUED.

Foreign Countries and Philippine Islands	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scie'e		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates		
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.	
Canada	1																						1	
China	1																						1	
India															1								1	
Japan	3												3		4								9	
Mexico	1														2								3	
Philippine Islands															4								4	
Total for Foreign Countries																							19	
Statistics not given	1	3			1																		2	3
Total	600	632	220	2	255	12	40	2	168	3	71	2	121	102	242	1	27	79	48	18	41	1,508	874	

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.
RESIDENCE OF IOWA STUDENTS BY COUNTIES, 1908-1909.

Counties	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scie'e		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Adair	3	3	5			2						1	1		1							9	5
Adams	1	4				1				2		1										4	4
Allamakee	3	3	1			2				3		1			2	1						10	5
Appanoose	4	1	2													4					1	8	2
Audubon	3	3	4			3								1								9	4
Benton	8	4	1			5				5		1			7			1			1	24	6
Black Hawk	13	8	6			5				3		1		2	2	9			1	1	2	35	12
Boone	2	2	2			4	1						1	1					1			9	5
Bremer	4	2	2			1		1														7	2
Buchanan	6	7	1			2				1					2			4		1		10	12
Buena Vista	5	1				2				5					1							13	1
Butler	6	3	2			1				1		2		1		3				1		15	4
Calhoun	3	1	3							1					3							9	1
Carroll	7	3	4			3	1	1		2				1		1						17	3
Cass	2	2				3				2				1						1		8	3
Cedar	11	11	3			2				2		3		3	1	8		2	3			30	13
Cerro Gordo	4	9	6			1		1		1	1				1			1			2	12	12
Cherokee	3	7	2			1				1					1			1	1			7	9
Chickasaw	1	4				1				1				1		3						6	4
Clarke	2	1								3					1							6	1
Clay	4	1	2			2				4											1	12	2
Clayton	1	1	1			1				3					2				1			8	2
Clinton	5	5	3			2				1	1	1			3							14	6
Crawford	6	3	1			3				1		1		3	1							14	4
Dallas	6	10	1			3				1				1	1	4			1	1	1	15	14
Davis	1	1	1												1							3	1
Decatur	9									2		1		1	2		1		4			14	5
Delaware	5	1	2			3							2	2				1				9	4
Des Moines	9	13	5			1	1			3		1		4	2	1		1				23	13
Dickinson	1		2									1										3	
Dubuque	4	6	4			1		1		1		1			4							16	6
Emmet	1	5	2			1		1							1							6	5
Fayette	2	5	4			1		1		3		1		1	1				1	1		13	7
Floyd	3	3	1	1						3			1	1								7	4

RESIDENCE OF IOWA STUDENTS BY COUNTIES, 1909-1908—CONTINUED—

Counties	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scie'e		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
	Franklin	4	1	2		3		1										1	1				9	3
Fremont	1		1									1	1									2	1
Greene	4	2	2		5				1		2						1		1	1		12	4
Grundy	7	4			2				2						2		1					13	5
Guthrie	14	8	1		2				2		1		2		1		2					20	8
Hamilton		2									1				1							2	2
Hancock	5	1	1						1													6	1
Hardin	9	14	2		2				4				1	2	3						1	21	17
Harrison	1	2	2		1							2		3								9	2
Henry	8	3	2		2		1		1		4		1	2	1		1				1	19	6
Howard	2	1	2		1																	5	1
Humboldt	4	2	2		3		1							1								10	2
Ida	8	3	5		6						1		2	1	2		1					21	3
Iowa	7	17	1		5	1					2		1	4				6	1			18	25
Jackson	2	5	1		4				1		1				1							9	5
Jasper	1	2	1		1							1		4		1						10	2
Jefferson	3	1	1									4		2								8	1
Johnson	67	152	20		36		8	1	12		3		22	50	40		10	35	3	1	1	202	232
Jones	2	10	2		3		2						1	1	2							10	11
Keokuk	7	8			4				4								1					21	11
Kossuth	3	3			2							1	1	6			1	2	1			5	3
Lee	8	2	4		3							1		3								18	3
Linn	15	10	8		8	1	2	1	3	1	1	3	4	10				3		5		46	24
Louisa	7	1	3		1						3			2								15	1
Lucas	2	2			1				1					2							1	5	3
Lyon	2		2									1		6								11	3
Madison	4	5	1		1				1									1				7	5
Mahaska	1	5										1	3	2			1				1	4	9
Marion	5	3	2		3		1		1				1	1	3							13	4
Marshall	6	5			2				3				1	3	4				1	1		16	8
Mills	2	4										1		1								4	4
Mitchell	2	4									1			1			2					4	5
Monona	6	3	3		1				2			2						1	1			13	3
Monroe	1	1			1							1		1								3	1
Montgomery	5	5									1			3								9	7
Muscatine	9	11	7		7		1		5		3		3	7		1	1				1	38	13

O'Brien	8	5	1						2		3		1		2							16	5
Osceola													1									1	
Page	5																					5	
Palo Alto	2				3						1	1										6	1
Plymouth	7	6	2		2				1			1					1					13	7
Pocahontas	5	1	3		4				2			1		3								15	1
Polk	18	9	7		5		1		2		1		2	9		1	1	1		3		42	12
Pottawattamie	5	11	2		1				1		2	3		2								12	14
Poweshiek	12	10	4		5				8		1		2				1	1	1			31	13
Ringgold	3													1								4	
Sac	2	13	4		1									1		1	3			1		7	14
Scott	7	19	6		9	1	1		3		1		2	2		3	1					28	22
Shelby	3	5	2		1						1	1	1									7	6
Sioux	7	8	3						2		2		1			2						15	8
Story	3	4	1						8				2			2	1	2				13	9
Tama	13	4	5		2		4		4		2		2	2	1							29	6
Taylor	1	5										1										2	5
Union	4	1			2								1	1								6	2
Van Buren	3								2				1	1								7	
Wapello	2	6	3		3		1					1	1	1					1			10	7
Warren	2	3											1									3	3
Washington	15	19	4		5		2		4			1	1	2		1		1	1			31	22
Wayne	13	8	2		3	1			2		4			3		2						24	9
Webster	8	9	2		3							1	1	1		1	2			1		13	10
Winneshiek	1	4	1						2					2						1		5	5
Winneshiek	6	2	2		2							2		3		2						14	2
Woodbury	7	11	4		6				2		5		7	1	2		2			1		32	11
Worth	2		1		2				2													6	
Wright	4	2	1											2		1	2					6	3
Total	550	800	209		224	9	32	2	148	3	61	2	106	96	219		24	76	41	17	34	1,446	816

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

BIRTHPLACES OF STUDENTS, 1908-1909.

States in Union	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates		
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	M.	W.		
	Alabama											1											1	
Arizona																							1	
California					1																		1	
Colorado	2																						2	
Connecticut	3	1								1	1							1					3	2
Illinois	33	35	11	1	21	1			8	4		10	10	10		2	8	6		5		95	61	
Indiana	5	1			1				1	1		3	3	4								15	4	
Iowa	470	496	183	1	185	8	23	1	128	3	55	1	76	73	180	1	21	63	36	12	22	1,214	662	
Kansas	4	13			2		3		4	1		1	3	1			1					16	17	
Kentucky							1		1													2		
Maine					1																	1		
Maryland	1				1																	2		
Massachusetts	1	1	1																			3	1	
Michigan	4	3	3		1		1		1									2	1			9	6	
Minnesota	6	9			5			1	6		2		1	1			1	1			1	19	13	
Mississippi		1											1	1								1	2	
Missouri	8	8	4		3				3		1		3	1	6				1	2		24	12	
Montana	2				1														1			1	3	
Nebraska																						1	3	
New Jersey	11	15	3		6	1	1				1				2							21	18	
New Hampshire									1								2	1	1	1		1	1	
New Mexico		1													1							1	1	
New York	2	3	1				2		1		1				2	2					3	9	8	
North Dakota	1	3			1										1							3	3	
Ohio	5	7	2		1		1						2	2	2				1			10	12	
Oklahoma																						1	1	
Oregon	1	1													1							1	1	
Pennsylvania	2	4	1						2				2	2							1	6	7	
South Carolina																	1					2	2	
South Dakota	17	7	1		5		1		4			1		6		3						31	7	
Texas	1																					2		
Utah																						2		
Vermont											1								1			2	1	
Virginia																						1	1	
		1										1		1								2	1	

FIRST BIENNIAL REPORT.

Washington, D. C.																							1	
Washington									1				1										3	
West Virginia													1										1	
Wisconsin	4	6	1		3		1		4			3	1	2						1	3	17	11	
Foreign Countries																								
Austria	1				1																		2	
Bohemia	1				1																		2	
Canada			1		2							3	1					1				6	2	
China	1																					1		
Denmark	1																					1		
England	2				3					1					1		1					5	1	
Germany	3	2			1				1			2		1								7	3	
Holland																						1		
India															1							1		
Japan	4											5		4								10		
Mexico	1													2								3		
Norway	1		1		2																	3		
Palestine		1																					1	
Philippine Islands														4								4		
Prussia	1																					1		
Russia	2				4							1		2								7		
Scotland		1										1										1	1	
Sweden	1	1			1		1		1			1		2								7	1	
Turkey					1																	1		
Wales		1										1	1									1	2	
Statistics not given			7		2						1	1										3	7	
Total	600	632	220	2	255	12	40	2	168	3	71	2	121	102	212	1	27	79	48	18	41	1,598	874	

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

IOWA STATE BOARD OF EDUCATION.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

AGES OF STUDENTS, 1908-1909.

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates		
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	M.	W.		
Ten																						1	1	
Eleven																		1					1	5
Thirteen																		2	5				2	1
Fourteen																		1	1				1	1
Fifteen																		1	1				1	1
Sixteen	1														1								2	7
Seventeen	3	3									1							4					4	7
Eighteen	21	22	1		5					2	2			7			3	4	1		1		39	26
Nineteen	68	58	2		5					2	0			13			4	6		1	1		91	62
Twenty	81	101	16		19					17	14			38			4	12	2	4	1	1	177	109
Twenty-one	98	85	24		15		2			29	1	15	1	1		56	4	7	4	1	3		229	96
Twenty-two	87	90	35	2	28	2	8	1		28		8		2	7	28	2	12	9	3	1		308	113
Twenty-three	82	54	49		37	1	8			29		5		3	6	44	1	3	6	2	3		226	70
Twenty-four	43	53	28		37	1	5			18		10		7	12	21		5	2	3			154	69
Twenty-five	29	30	16		34	1	3			12	1	4		11	10	7		2	3	1	2		101	44
Twenty-six	16	27	14		16	1	2			7		2		7	11	7		1	4	1		3	66	41
Twenty-seven	18	14	13		13	2	1			8		2		4	8	3		1	1	4		3	58	31
Twenty-eight	12	10	5		10	1	3			7		1		4	1	5			4			2	47	17
Twenty-nine	1	12	5		7	1	1			3		1		8	6	5		3	5		2		29	28
Thirty	7	9	3		11	1				4				10	6			1	3	2			35	21
Thirty-one	3	10	1		4	1	2					1		9	6	3		2	1	1	3		22	23
Thirty-two	8	8	1		4					1				5	5	1			2			1	19	15
Thirty-three	5	11	2		4			1	1	1				7	7	1			1		1		16	21
Thirty-four	2	4	1		2					1				4									10	4
Thirty-five	4	1	1											3	4								7	5
Thirty-six	2	2	1		2		1							4								1	10	3
Thirty-seven	3																		1			3	2	2
Thirty-eight	1	3			1								2	3								4	9	0
Thirty-nine	1	2											2	4					1			1	3	7
Forty	1	2											2	1								1	4	3
Forty-one		3											1									1	1	4
Forty-two		1											6	1								1	7	3
Forty-three		2					1		1				1	1								1	1	4
Forty-four		1											2	1								2	2	2

Forty-five		2					1						2									1	3	3
Forty-six	2		1										1									1	4	1
Forty-seven		1																				1	1	1
Forty-nine		1	1																			1	2	2
Fifty-one		1											1									1	1	1
Fifty-three														1									1	1
Fifty-five																						1	1	1
Fifty-seven		1																					1	1
Fifty-eight		1																					1	1
Sixty													1										5	12
Sixty-four		8			1								1	1	3				1	2			5	12
No statistics																								
Total	600	632	220	2	255	12	40	2	168	3	71	2	121	102	242	1	27	79	48	18	41	1,598	874	

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

OCCUPATION OF PARENTS, 1908-1909.

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Abstractors	1	1	1												1							3	1
Architects					1																	1	
Auctioneers		1													1							1	1
Auto agents	1																					1	
Bakers		2					1								1		1					2	2
Bankers	18	26	6		2				1				2	3	3		7	2				27	31
Barbers	1				1												1	1				2	
Blacksmiths	3	6			4		1		1		3				2		1	1				14	7
Book binders	1																					1	1
Bookkeepers	1	5	1		1									2	2		1	1			1	5	7
Brewers																1						2	
Brokers	2	1														1	1					2	1
Business men	5	6	1		2										2		1	2			1	11	9
Butchers	2	3	3		1				4						3		1					13	3
Cabinet makers		3													1		1					2	3
Carpenters	10	10	3		9		1		4	1			4	1	5				1	1		36	13
Carriage makers																						1	
Cashiers	2	1			1										1				1			5	2
Cement makers																						1	
Chief of fire department			1																			1	
Cty, county and state officers	4	7	3		1				1				1		1							10	7
Civil engineers	2	3	2								1		1	1	2		1					9	4
Clerks	3	1							3				1	2	3		1				1	9	3
Clothiers	2	1			1												1					4	1
Coal dealers		1	1											1	2							3	1
Collectors	1																			1		1	2
Commissioners			2																		1	2	1
Contractors	7	10	5		3		1		1		1		2		3		1	1	1			21	11
Cook																		1				1	1
Cooper		1																					1
Cotton trader	1														1							1	
Court reporter					1																	1	
Custom house officer			1																			1	
Dairymen	3	1	2											1								4	2

FIRST BIENNIAL REPORT.

Dental supply dealer		1																					1
Dentists	2								6					2								8	2
Doctors	19	23	5		27	1	4		4				5	4	5		4		1			64	29
Druggists	5	7			7				1		7		1	1	4		2					23	8
Editors	8	9	2		1				1				1	2	2		1					12	11
Electricians	2								1	1			1		4				3	1		3	
Engineers		4	3		1				1				1									10	9
English civil service employe																						1	
Express agent	212	176	70		97	5	14		63		25	2	53	27	73		5	13	26	6	12	557	258
Farmers		1																				1	1
Fishermen															1				1			1	1
Florists																						1	1
Foremen	1	1																				1	1
Foundrymen	1	1																				3	
Fruit dealers	1												1		1							12	8
Gardeners	8	8	2						1										2			7	7
Government employes	5	4	1						1						2							14	4
Grain dealers	6	2	1	1	1				1				3	1	3		1					11	1
Grocers			2		2									1	7						2	5	5
Hardware dealers	3	2			3				2					1			1	1		2		4	3
Harness makers		1					1															6	4
Homekeepers	5	3												1	1							3	
Hotel keepers																						2	
Icemen																						2	
Indian agents					2								1	1	4		1		2			10	11
Inspectors	2	12	1		2										2		2					7	4
Insurance men	3	4	1		1						1				1				2			2	5
Janitors		3			1	1																5	4
Jewelers	3	4	2		1																	2	
Judges	1				1																	1	
Junk dealers	5	3	1		2				3		2				5							16	3
Laborers															1							1	
Labor union pres.	1																					1	
Lather		1																			1	1	2
Laundry men	30	32	25	1	3			1	1		1		1	4				2		2		56	39
Lawyers	1	4			2				2						2							5	5
Liverymen	11	13	1		3				3				1	2	2						1	19	16
Lumbermen			3					1							1			1				4	4
Machinists								2		1												3	
Mail carriers																						2	
Managers	4	9			1						1			3	5			1	1			11	13
Manufacturers																						4	3
Marble worker					1	1									1							6	4
Masons	4	2	1						2						2							6	4
Mechanics	52	66	21		19		2		14		3		5	11	18		2	10	2		3	125	85
Merchants	2	2	1						3						1							6	3
Millers									1													1	
Milliners																							

IOWA STATE BOARD OF EDUCATION.

OCCUPATION OF PARENTS 1908-1909*—CONTINUED.

	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Miners					3				1		1		1		1						1	7	1
Mining engineers			1												1							2	
Millwright			1												1							1	
Ministers	24	10	3		3		2		2		1		6	4	6		1		1	1	2	45	18
Musicians			2												1							4	2
Nurseryman	3	2													1							4	2
Opera house manager			1																			1	1
Optician	1																					1	1
Packers			1		1								1	1								1	1
Painters	2	1			1		1				1		1	1	5							11	2
Photographers	2		1				1								1							4	1
Piano tuners	1	1																				1	1
Planter														1								1	1
Plumbers	1	3			3																	3	3
Policemen			1						1													2	2
Politicians	2																					2	2
Postal clerks			1		1				3						3							7	7
Postmasters			4		1									2	1							5	2
Printers	3	4	1										1									5	4
Professors	4	4			1								1	2			2	1				8	6
Prop. billiard hall					1																	1	1
Pump and windmill dealer	1		1																			1	1
R. R. conductor	2		3		1				1												1	5	1
R. R. employe	15	17	1		2		1		2					1	5			1	1			24	20
R. R. engineers			1						1													2	2
R. R. foremen			1						1													2	2
Ranchmen	1				2								1	1								5	5
Real estate men	8	10	7		4	1	2		3		5		2	4		1	1	1			1	32	14
Restaurant keepers			1								1				1		1					3	1
Retired			2		1				3				4	2	2				1			13	6
Saloon keepers	1	2							1		1							3				3	2
Secretaries	1	2	1		1																	3	2
Section foremen			1		1				2				1		1					1		5	1
Shoemakers	1	3							1						1							3	3
Soldiers	2																					2	2
Speculators	3	1	2		1																	5	1
Stockmen	11	10	3		3	1			2		1				2			4		1		19	13

Stonecutters	2	3																				2	3
Students		1																1	1				1
Superintendents													2	2	3							9	6
Tailors		5	1		1				1				3	4	2			1				18	12
Teachers	7	7			4		1		1		2											6	1
Teamsters	1		1		1	1			1													1	1
Telegraph operators					1										2							3	1
Tinners	1																					1	1
Train dispatchers									1													2	1
Transfer and storage men	2	1																1				1	1
Traveling bridge inspector	1																					1	1
Traveling salesmen	16	19	4		5		1		2		1		1		7			2		1	2	34	23
Treasurer																						1	1
Undertaker															1							1	1
Veterinary surgeon	1							1														1	1
Weavers																			1			2	1
Well drillers		1							1		1											2	1
Statistics not given	14	30	4		6				4	1	3		11	4	6			2	2		3	46	30
Total	600	682	220		255	15	40	2	168	3	71	2	121	102	242	1	27	79	48	18	41	1,508	871

*In this table occupation of parents are shown substantially as reported by the students with little attempt at classification.
M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.
PREPARATION OF STUDENTS, 1908-1909.

	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		App'd Scien.		Music		H. M. N. S.		L. Excluding Duplicates		Total			
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
Number of students prepared in colleges and universities in Iowa—graduates.....	3	4	46	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of students prepared in colleges and universities in Iowa—non-graduates.....	41	45	61	43	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of students prepared in colleges and universities outside of Iowa—graduates.....	4	5	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of students prepared in colleges and universities outside of Iowa—non-graduates.....	29	18	14	15	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Number of students prepared in preparatory schools in Iowa.....	490	516	83	2	157	3	19	1	120	3	53	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of students prepared in preparatory schools outside of Iowa.....	30	35	9	18	4	5	1	17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Number of students prepared by private instruction.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of students of whose preparatory work no statistics are given.....	3	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total.....	600	632	220	2	255	12	40	2	168	3	71	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.
RELIGIOUS CENSUS, 1908-1909.

Religious Organizations	Membership		Preference	
	Men	Women	Men	Women
Amana Society.....	1	0	0	0
Adventist.....	3	0	0	0
Baptist.....	63	38	27	5
Catholic.....	168	105	11	1
Christian.....	48	36	35	4
Christian Science.....	2	1	0	3
Church of God.....	10	1	0	0
Congregational.....	86	86	56	28
Dunkard.....	2	0	0	0
Dutch Reformed.....	3	2	2	0
Episcopal.....	39	29	20	8
Evangelical.....	17	3	1	1
Free Mission.....	1	0	1	0
Friends.....	9	8	5	0
Hebrews.....	3	0	8	0
Immanuel.....	0	1	0	0
Latter Day Saints.....	10	4	1	1
Lutheran.....	81	37	13	2
Mennonite.....	1	0	1	0
Methodist.....	252	174	150	57
Mormons.....	2	0	1	0
Presbyterian.....	139	123	101	34
Restitution.....	0	1	0	0
Reformed.....	2	4	4	0
Unitarian.....	6	4	12	10
United Brethren.....	12	4	5	0
United Presbyterian.....	4	3	0	0
Universalist.....	0	4	1	1
Hindoo.....	1	0	0	0
Those expressing preference merely for Protestant faith.....			462	168
Total.....	963	664	587	191

SUMMARY.

	Men	Women	Total
Total members of religious organizations.....	963	664	1,627
Total, not members, expressing preference.....	587	191	778
Number expressing no preference.....	1	2	3
Number for whom no statistics are given.....	50	14	64
Total.....	1,598	874	2,472

STATISTICS FOR THE ACADEMIC YEAR 1909-1910.

DEGREES AND CERTIFICATES, 1909-1910.

	Men	Women	Total
Advanced Degrees—			
Doctor of Philosophy	5	0	5
Master of Arts	14	4	18
Master of Science	5	2	7
Civil Engineer	6	0	6
Electrical Engineer	1	0	1
Pharmaceutical Chemist	1	0	1
Total number of advanced degrees conferred, 1909-1910	32	6	38
First Degrees—			
Bachelor of Arts	66	102	170
Bachelor of Science	3	0	3
Bachelor of Engineering	18	0	18
Bachelor of Laws	63	1	64
Doctor of Medicine (College of Medicine)	48	3	51
Doctor of Medicine (College of Homeopathic Medicine)	10	1	11
Doctor of Dental Surgery	43	1	44
Graduate in Pharmacy	16	1	17
Total number of first degrees conferred, 1909-1910	269	109	378
Certificates—			
Dental Assistant's Course	0	1	1
Practitioner's Course in Pharmacy	5	0	5
Nurses Training School (University Hospital)	0	11	11
Nurses Training School (University Homeopathic Hospital)	0	3	3
School of Education	19	66	85
Resident Physicians (University Hospital)	9	0	9
Internes (University Homeopathic Hospital)	4	0	4
Total number of certificates granted, 1909-1910	30	81	111
Total number of degrees and certificates	811	196	527

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

RESIDENCE OF STUDENTS 1909-1910

States in Union	Liberal Arts			Law			Med.			Homeo. Med.			Dent.			Phar.			Grad.			Appl'd Scien.			Music			H. M. N.			L. T. S.			Total Excluding Duplicates	
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.					
Alabama																														1					
California																															2	4			
Colorado																															2	2			
Connecticut																																1			
Idaho																																1			
Illinois																																25	16		
Indiana																																1			
Iowa																																1,370	770		
Kansas																																3	3		
Kentucky																																	1		
Louisiana																																	1		
Maine																																		1	
Massachusetts																																		2	
Michigan																																		4	
Minnesota																																		10	3
Missouri																																		11	5
Montana																																		2	1
Nebraska																																		9	5
Nevada																																		1	
New Jersey																																		1	
New York																																		6	2
North Dakota																																		3	2
Ohio																																		1	
Oklahoma																																		1	
Oregon																																		1	
Pennsylvania																																		1	
Rhode Island																																		2	1
South Dakota																																		22	7
Texas																																		1	
West Virginia																																		1	
Washington																																		1	
Wisconsin																																		6	
Total for States in Union.....																																		1,507	827

RESIDENCE OF STUDENTS 1909-1910—CONTINUED.

Foreign Countries	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
	Alaska							1															1
Philippine Islands	1														1								1
Canada													1										1
China	1																						1
India	2										1				2								3
Japan	3				1				2						1								7
Mexico															2								2
Turkey									2														2
Total Foreign Countries																							18
Total	605	608	242	8	190	10	35	2	158	4	53	2	132	111	218		15	48	40	15	23	1,525	877

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

RESIDENCE OF IOWA STUDENTS, BY COUNTIES 1909-1910.

Counties	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
	Adair	4	1	4			2							1		1							9	3
Adams	1	4																				1	4
Allamakee	4	3	2		2				2				1		3							13	3
Appanoose	4	2	2						1				1		1		1					8	2
Audubon	1		4		1								1	1	1							7	1
Benton	4	3	1		3	1			1				1		8						1	18	4
Black Hawk	10	12	6		7				3				3		9			1				36	13
Boone	4	2	2		3				1				1	2								10	5
Bremer	5	2	2										1		1							7	3
Buchanan	4	3	1		2				2						1				4			9	7
Buena Vista	5	2	2		2				2						2				1		1	12	4
Butler	6	3	5		1	1			1						5							15	3
Calhoun	7	2	4						1								1				1	10	3
Carroll	8	4	4		3				1				1	1	1							16	4
Cass	1	7	2		1				1				1	1			1					5	8
Cedar	12	16	3						3	2			2	1	4		1				1	25	18
Cerro Gordo	2	8	3				2		1				1	1	1				1			8	10
Cherokee	7	7	1						1						1		1	1				9	8
Chickasaw	2	5							3						1							6	5
Clarke	2	1	2						3			1			4			1				11	2
Clay	4	5	1		1				3						1							10	5
Clayton	1	1	2		1				3						1					1	1	8	3
Clinton	6	4	2		2		1		2	1			1	2	2						2	15	6
Crawford	14	1	3		2				2				3		2							23	1
Dallas	3	9	1		1				1				1	3								8	11
Davis	1	2	2												2							3	2
Decatur	9	3	2						1				2	1	2				4			15	8
Delaware	5	2	3		4								1	1	1				1			12	4
Des Moines	8	11	3		1				3				3	1	1				1			15	13
Dickinson	1		1						1													2	
Dubuque	4	6	5		2		1		3					4								21	6
Emmet	2	4	4		1		1		1	1				2								9	5
Fayette	3	6	4				1		3		1		1	1	1				1			12	8
Floyd	4	4	1						4					2				1				8	6

RESIDENCE OF IOWA STUDENTS, BY COUNTIES 1909-1910—CONTINUED.

	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Musical		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicate	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Franklin	2	4	1		2									1					1			6	5
Fremont	3		1										1									4	1
Greene	2	1	1		3				1		2		1				1					11	1
Grundy	8	3	4		2				1				2				1		1			14	6
Guthrie	7	8	3		2							2		1								15	8
Hamilton	4	5							1				1	2								3	6
Hancock	4	2	2						1													6	2
Hardin	11	8	4		1				1				1	1	1							17	9
Harrison	3	2	2										2	2	3							9	3
Henry	7	3	3		3		1		1	1	1		2	1					1			16	7
Howard	2		1						1													4	
Humboldt	4	2	1		2								1	1	1						1	8	4
Ida	7	1	5		4						1		1		1							17	1
Iowa	10	14	2		4	1			2		2		1	3	5		1		5	1		27	23
Jackson	2	3	1		3				2		1		2	1	3			1				14	4
Jasper	4	3	1						2				1	1	2						1	10	4
Jefferson	3	3	2										1	1	2							8	4
Johnson	74	157	22	2	19		8	1	10		8		29	33	33		2	22	3	1		188	209
Jones	5	6	2		1		1				2		2	1	2					1	1	15	9
Keokuk	8	5	2		2				3				1	1	1				1	2		15	9
Kossuth	3	2			2								1	1								6	2
Lee	6	1			2						1				2							11	1
Linn	17	11	5		6	1	3		4	1	1		6	3	8			2	3	1		50	19
Louisa	5	2	3		2						3				1			1				13	2
Lucas	3	2	1		1				1						3			1				8	2
Lyon	1	1													4							5	1
Madison	2	2					1		1				2	1								6	3
Mahaska	5	4											2	6	2			1				7	10
Marion	3	3	3		4				1				2									10	5
Marshall	9	1			1				1				1	1	3					1		15	3
Mills	1	3							1													3	3
Mitchell	2	2	1												2					1		4	3
Monona	5	2	1						3				1									10	2
Monroe	1	3	1		1								1									4	3
Montgomery	6	3											2									6	5
Muscatine	9	10	6		4		1		2		2			2	6				1			28	13

O'Brien	9	3	2								1		2	1	2							15	4
Osceola	1												1									2	
Page	5	2	1										2		1							9	2
Palo Alto	1	2			2																	3	3
Plymouth	7	5	1		2						1								1			10	6
Pocahontas	8	2	3		5				2				2		2				1	1		20	4
Polk	18	12	11		3		1			1		6	2	6		1	1					42	15
Pottawattamie	4	9	1						1			2	1	2			1	1			1	10	11
Poweshiek	7	7	6		4				4		1		2	1								21	9
Ringgold	3		1																			3	
Sac	2	10	2				1											1				4	10
Scott	6	17	6		5	1	1		1		3		2	3					1		2	24	22
Shelby	2	3	1		1								1	2	2							5	5
Sioux	13	9	3						2		1				2							20	9
Story	3	3	4	1					6				1						1	2		12	7
Tama	11	3	4		1		2		4		1		1		2					1		25	4
Taylor	2	4											3	1								3	6
Van Buren	3	1	2						1				3	1								6	2
Union	5	2													2							6	2
Wapello	2	7	1		2		1						1									6	2
Warren	2												1	1					1			10	8
Washington	16	17	4		5		1		7				2	1					1	1		3	1
Wayne	7	5	1		2				3		2		1	2	1				1	1		31	19
Webster	12	8	3		1				1				1	1	1							17	7
Winnebago	2	6	1										1	1	1					1		19	10
Winneshiek	3	3			2								5	4								4	5
Woodbury	7	11	4		5				3		4		5	2	4			1				14	3
Worth					1				2													30	13
Wright	5	1													1							3	
Total	565	578	227	3	151	8	27	2	128	4	46	2	118	103	195		13	42	39	15	16	1,370	770

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

BIRTHPLACES OF STUDENTS, 1909-1910.

	Liberal Arts		Law		Med.		Homeo. Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Alabama											1											1	1
California	2		1		1																	1	1
Colorado		1							1														1
Connecticut													1										1
Idaho																							1
Illinois	26	24	9	1	17		3		5		5		13	10	11		2	3	4		7	84	46
Indiana	3	1	1						1		1		2	2	5							13	3
Iowa	481	497	207	2	121	7	20	1	113	4	39	2	73	36	163		10	33	35	11	13	1,143	658
Kansas	5	11			3		2		1		1		3	2				1				17	13
Kentucky								1		1			1									3	
Louisiana											1											1	
Maine					2				1													3	
Maryland	1																					1	
Massachusetts	1	3										1										2	3
Michigan	1	2	2		1		1		1			3	1				1	1	1			9	5
Minnesota	9	7	1		5			1	4		1		2	1	2			1	1			24	10
Missouri	3	3	2		3		3		1			4	1	6						1	1	22	6
Montana		2			1																	1	2
Nebraska	13	14	3		5	1	1		2			2		3			5	1				27	20
New Hampshire														2								2	
New Jersey									1													1	
New Mexico	1	1											1									1	2
New York	4	4					1						1	1	1				1		1	6	7
North Dakota	1	4			1							1	1									4	4
Ohio	9	4	4						1			3	1	1				1				17	6
Oregon	1	1	1																			1	1
Pennsylvania	3	2	1						2			4	1	2			1	1				11	3
Rhode Island																			1			1	1
South Carolina					1																	1	
South Dakota	13	10	6		4	1			7				1	7			2	2				35	12
Texas	1																					1	
Vermont			1																			1	
Washington									1			1										2	
West Virginia	1	1																				1	1

Wisconsin	5	5			2		1		4		1		2		1							15	6
Wyoming	1														1							1	
Total for States in Union																						1,456	810
Philippine Islands	1														1							1	
Foreign Countries.																							
Armenia					1																	1	
Austria					1										1							2	
Canada	2	1	2		2							2	1						1			7	3
China	1																					1	
Denmark	1								1													2	
England	1				1							2						1				4	1
Germany	2	2			1				1		1	3	1	1								8	2
Holland	2																					2	
India	2																					2	
Ireland											1		1		2							4	
Japan	4				1				2						1							1	
Jerusalem		1													1							8	
Norway	1		1		1																	2	1
Russia	1		2												2							4	
Scotland																						1	
Sweden	1				1				1			2		2								7	
Switzerland		1										1										1	
Turkey									3													1	1
Wales		1																				3	
Mexico												1	1									1	2
No statistics	1	5			3							2										2	5
Total	605	608	342	3	180	10	33	2	158	4	58	2	132	111	218		15	48	46	15	23	1,525	827

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

AGES OF STUDENTS, 1909-1910.

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Fourteen																							1
Sixteen																							1
Seventeen	3	4									1				2								6
Eighteen	19	17							3		1				4								26
Nineteen	60	57	5		6				3	1	2			14									59
Twenty	105	87	10		5		1		9		10			26									168
Twenty-one	96	111	21		18		1		17	1	8		2	1	32								190
Twenty-two	96	74	41		14		3	1	27	1	12	1	4	4	47								221
Twenty-three	50	65	37	1	18	2	6		26		5		6	8	27								100
Twenty-four	39	42	49	2	30	1	6		21		6		12	6	31								177
Twenty-five	31	30	21		26	3	5		16		4		9	8	15								121
Twenty-six	21	22	17		18	1	2		10		1		15	9	6								81
Twenty-seven	14	17	9		7	1	2		5		1		8	13	4								45
Twenty-eight	10	12	8		10	1	1		9		2		7	6	1								45
Twenty-nine	10	11	6		6		1		3				7	13	5								36
Thirty	6	8	2		7		1		2		1		4	5	2								24
Thirty-one	5	5	4		5	1			2				12	5									28
Thirty-two	8	6	1		4				1				4	4	1								18
Thirty-three	5	6			2				2				4	4	1								14
Thirty-four	4	6	1				1	1	1	1			5	4									12
Thirty-five	2	4	1		2								5	3									10
Thirty-six	5	2	1						1				5	3									11
Thirty-seven	1	3	1										4	1									6
Thirty-eight	2	2																					2
Thirty-nine	1	1											3	3									3
Forty		2											1	1									1
Forty-one		2											1	3									1
Forty-two	1	1											1	1									1
Forty-three							2						7	1									9
Forty-four	1	1											1	1									2
Forty-five	1	1											3	1									4
Forty-six	1	1					1						3										5
Forty-seven	2	1	1																				3
Forty-eight														1									1

FIRST BIENNIAL REPORT.

Fifty		2																					2
Fifty-two																							1
Fifty-five													1										1
Fifty-six		1																					1
Fifty-seven		1																					1
Fifty-nine		1																					1
No statistics	5	3			2							1					1	2					7
Total	605	608	242	8	180	10	33	2	158	4	53	2	132	111	218		15	48	46	16	23	1,525	827

IOWA STATE BOARD OF EDUCATION

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

OCCUPATIONS OF PARENTS, 1900-1910.*

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates		
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.	
Abstractors	2	2	2																			1	8	3
Accountants														1										1
Architects																								3
Assessors																								3
Auctioneers			1	1																				1
Bakers																								1
Bankers	13	19	5		1						1		8		3		2	1					22	20
Barbers	1				1										1								3	3
Blacksmiths	3	3			2		1		1				1		2		1	1	1				10	5
Bookbinders			1																					1
Bookkeepers	4	4					1				1			1	1								7	5
Brewers	2	1							1							1							4	1
Butchers	2	3	2						4		1				2		1						12	3
Buyers																								1
Carpenters	4	10	3		6		2		3	1	2		4	2	7		1		1	1			30	15
Cashiers	5	1			1		1						1	1					1				8	3
Chemists					1																		1	1
Clerks	3	3	2						2		1				1		1				1		7	5
Clothiers	3	2			1										1			1					4	3
Coal dealers									1						1							1	2	1
Collectors	1																						1	1
Commissioners	1		1																				2	2
Contractors and builders	2	9	4		1		1		2		2		2	1	6		1		1				20	11
County officers	2	4	1		1				1														5	5
Court reporters					1																		1	1
Creamery men	1	1			1																		2	1
Dentists	2			1					5		1											1	7	2
Doctors	20	26	2		17	1	3	1	7	1	1		3	4	5		1		1				55	33
Druggists	8	5			2				1				1		3								18	5
Dyers																						1	1	1
Editors	3	7											4		1								8	7
Electric cleaners																							1	1
Electricians																							1	1
Engineers	2	6	3		1				1	1	2		1		6					3	1		15	10
Express agents									1		1												2	2

Farmers	216	189	86		65	2	9		58		19	2	63	37	70		3	19	26	5	3	542	268	
Financiers	7	1	1								1												8	1
Firemen	1	1	1																				2	1
Fishermen			1																				1	1
Florists																								1
Foremen	1				1														1				1	1
Furniture dealers and undertakers	2	4									1				1				1				3	1
Government employees	2	3	1						1				2	1	4			1					3	4
Grain dealers	1	1	2										1	1									9	4
Grocers	7	4	2	1	3				1				1	1	2				1	1			14	6
Hardware dealers	3	2	1						1				2									1	5	5
Harness makers	3	2							2				1					1					5	4
Hotel keepers	3	1	1		1				3					1									7	2
House movers																							1	1
Implement dealers	3	1	2		1										3								8	1
Inspectors	1	2			2																		3	3
Insurance men	2	9	2		2		1				1			1	3			3	2			1	10	14
Janitors	2	2			1										1								4	3
Jewelers	6	2			1								1					1					1	9
Judges	1	2	1																				2	2
Junk dealers	1																						1	1
Laborers	4	5	2		2				4				2	1	4							1	16	7
Laundrymen	2																							3
Lawyers	33	28	31				1				2			6	1		3				1	68	33	
Lecturers	1													1									1	1
Liverymen		1			2				2					1	1								5	2
Lumbermen	9	12	4	1	1				4				2	3	3								21	15
Machinists	2	6	1				1		2				1	1	6			1					12	7
Managers	2	3	1		2						1		1	2	2								9	5
Manufacturers	11	4	1		1				1				1	2	6				1				19	7
Masons	1	3	1		1				1		1			1	3								7	5
Mechanics																							1	1
Merchants	50	55	22		14		2		17		1		6	8	15		1	6	2		2	120	65	
Millers	1	2	1						3						2								7	2
Miners			1		3				1		1		1	1	1								8	8
Ministers	26	9	3		3		2		5				8	2	5		1	1	1		1		48	13
Missionaries													1										1	1
Musicians			1																					1
Nurserymen	5	1												1									6	2
Packers					1																		1	1
Painters	2		1		1						1		1	1	1								7	1
Photographers	1		1		1																		3	3
Piano tuners	1																						1	1
Plasterers	1								1														2	1
Plumbers	1	1			3																		4	1
Policemen	1	1					1		1						1								3	1
Postal service men	7	7	5		1		2		4	1			1	1	1							21	10	
Printers	1	4	1										1	1					1				2	5

OCCUPATION OF PARENTS, 1909-1910—CONTINUED.

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
Professors	5	5			2									3	1							8	8
Publishers	2	1																				2	1
Railway employees	10	11	6		5		1		4				1	4					1			29	13
Real estate men	16	11	8		2	3	1		3		1	1	5		1							36	14
Restaurant keepers	1	1	1																			4	1
Retired	5	7	2						1	1				1	2				3		1	10	13
Sailors	1	1																					1
Saw mill operators	1		1																			1	
Sculptors							1																1
Secretaries	3	2			1							1										5	2
Section foremen			1		1				1											1		4	1
Shoe makers	1	3																				1	3
Stock dealers	13	10	7		4	1			1		1		1	2								26	13
Students			1																				1
Superintendents																			1	1			2
Superintendents schools	4	1									1		1	1								5	2
Surveyors	1												1	1								2	1
Tailors	1	4	2		1		1		2				2	1	3							12	5
Teachers	2	5			2		1		1			2	2	2				1				9	7
Teamsters	2	3	1		1	1			1		1		1		1		1					8	4
Telegraphers	1	1			1									1								2	1
Tinners	2	1												1								3	1
Traveling salesmen	16	20	5		6		1		1			1	3	8				1	1	1	1	36	27
Veterinary surgeon	1																					1	
Weavers																			1				1
Weighmasters			1		1																	1	
Well drillers	1	1																				1	1
Wood workers	1	2																				1	2
No statistics	17	22	5		4				2		2		11	5	8			3			1	48	30
Totals	605	608	242	3	180	10	33	2	158	4	53	2	132	111	218		15	48	46	15	23	1,525	827

*In this table, occupations of parents are shown substantially as reported by the students with little attempt at classification. M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

PREPARATION OF STUDENTS, 1909-1910

	Liberal Arts		Law		Med.		Homeo Med.		Dent.		Phar.		Grad.		Appl'd Scien.		Music		M. N.	H. M. N.	L. T. S.	Total Excluding Duplicates	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	W.	W.	W.	M.	W.
S. U. I.—L. A.—Graduates			32	1	9				2				53	71	1		1	2			1	84	69
S. U. I.—L. A.—Non-graduates			74	1	26		1	1	10		5				9		2	7		2		73	6
Iowa Colleges—Graduates			8		9	2							45	32			1	1			1	63	33
Iowa Colleges—Non-graduates	95	111	33		23		6		14		2				20		6	2			3	177	130
Other Colleges—Graduates			3		3	1	1		5		2		31	8	1		2					46	11
Other Colleges—Non-graduates	39	35	14		5	1	2		9		1				10		1	2	2		8	77	40
Iowa Preparatory Schools—Accredited	350	360	59	1	70	2	13		71	3	16	1			136		6	13	16	7	7	701	396
Iowa Preparatory Schools—Unaccredited	91	55	13		17	2	5		27	1	15	1			24		1	5	11	4	1	193	75
Other Preparatory Schools	24	39	6		18	2	3	1	20		7				15		1	8	4	1	6	94	55
S. U. I.—Med. Grad.													3									3	
No statistics	6	8									5				2		2	2	1	1		14	12
Totals	605	608	242	3	180	10	33	2	158	4	53	2	132	111	218		15	48	46	15	23	1,525	827

M.—Men; W.—Women; M. N.—Nurses' Training School, College of Medicine; H. M. N.—Nurses' Training School, College of Homeopathic Medicine; L. T. S.—Library Training School.

THE STATE UNIVERSITY OF IOWA, IOWA CITY.

RELIGIOUS CENSUS, 1909-1910.

Religious Organizations	Membership		Preference	
	Men	Women	Men	Women
Adventist	2	0	0	0
Amana Society	2	0	0	0
Baptist	66	32	23	3
Brahman	1	0	0	0
Catholic	155	105	8	2
Christian	48	30	22	4
Christian Science	1	4	2	1
Church of God	2	0	1	0
Congregational	106	92	40	28
Dunkard	1	0	0	0
Dutch Reformed	3	1	0	0
Episcopal	23	25	12	7
Evangelical	19	2	2	2
Evolution	0	0	1	0
Free Baptist	1	0	0	0
Free Mission	0	0	1	0
Friends	6	10	8	0
Greek	1	0	0	0
Hebrew	1	0	5	0
Hindoo	1	0	0	0
Latter Day Saints	13	5	1	1
Lutheran	77	27	8	2
Methodist	255	193	149	38
Presbyterian	152	127	69	19
Reformed	1	6	3	0
Reformed Judaism	0	0	1	0
Reformed Church of Jesus Christ	5	1	0	0
Restitution	0	0	1	0
Swedish Mission	2	0	1	0
Unitarian	12	7	10	7
United Brethren	12	2	4	0
United Presbyterian	3	2	0	0
Universalist	1	3	2	0
Total			377	114
Those expressing preference merely for Protestant faith			117	29
Total	987	674	494	143

SUMMARY.

	Men	Women	Total
Total, members of religious organizations	987	674	1,661
Total, not members, expressing preference	494	143	637
Number for whom no statistics are given	44	10	54
Total	1,525	827	2,352

LETTER OF TRANSMITTAL.

To the Board of Education, State of Iowa.

GENTLEMEN: I am herewith submitting to you biennial report for the Iowa State College of Agriculture and Mechanic Arts covering the period from July 1, 1908, to June 30, 1910.

Respectfully submitted,

A. B. STORMS,
President.

August 1, 1910.

BIENNIAL REPORT 1908-1910.

IOWA STATE COLLEGE OF AGRICULTURE AND
AND MECHANIC ARTS, AMES IOWA.

The remarkable development of this Institution in these later years is significantly epitomized in the reports that have been submitted from time to time upon buildings, equipment and support funds.

The educational funds of the College have been increased from \$120,000 in 1902-03 to \$312,500 in 1909-10. And the entire support of the Institution, including experiment stations, extension and buildings, from \$218,500 in 1902-03 to \$612,000 in 1909-10.

The instruction and station force have increased from 82 in 1902-03 to 201 in 1909-10.

The graduating class in 1903 numbered 83 and the graduating class of 1910, 207.

ATHLETICS.

For the past few years systematic effort has been made to develop physical training of students under competent supervision and to establish and maintain in co-operation with student representatives satisfactory regulation or control of all athletic interests. With a thoroughly capable faculty business manager, and with a physical director on the same basis as faculty members, his salary paid from the College funds, and with the Board of Athletic Control, composed of seven members of the faculty, four students and two business men of Ames, the athletic interests of the College have been satisfactorily supervised. The business management has been thoroughly capable and creditable. Men of the highest character have been secured as physical director and coaches. A larger wholesome interest has been stimulated in physical culture. The athletic teams who represent the College in various inter-collegiate contests, while attracting public attention and apparently the supreme object of interest to the students, are, after all, but the by-product, the showy side of college athletics. Literally, hundreds of young men and women are under systematic training. The anæmic book-worm is no longer the college ideal. That all students maintain a proper and sane balance in their ideals would be an absurd statement, but there perhaps has not been an era when the classic ideal of a sound mind in a sound body has been more sanely held than to-day.

The grossest exaggeration has been current in the newspapers concerning the demoralizing influence of college athletics. From upwards of a quarter of a century of intimate knowledge in several institutions, I am firmly convinced that there is no finer discipline for young men than that which is offered on the athletic field. The opportunity for "dirty work," of course, exists in all sport, and there will be an occasional instance of the violation of the spirit and rules of fair play. Discreditable conduct is more and more unsparingly rebuked and self-control, a high sense of honor and of fair play are altogether now on the ascendent. Loss of temper, an ungentlemanly act and profanity are time and again causes of immediate dismissal from the field of the undisciplined player until he learns the lesson of inestimable value that self-control is of first importance.

I have seen many a young man enter upon physical training and athletic work not only awkward, undisciplined but crudely selfish and I have seen them come out from athletic discipline with self control, a high sense of honor and a generous spirit of give and take that has justified the conviction that no influence in college has been more potent in wholesome discipline than athletics when conducted under right ideals and under leadership of men of strong and true personality.

Danger to life and limb should be reduced to the minimum. This goes without argument. A serious injury or a fatality is the more deplorable when occurring on the athletic field because avoidable and unnecessary. Important modifications have been made in the rules for foot-ball, eliminating the diving tackle, lessening the dangers from mass plays, facilitating the forward pass, etc., and farther modifications may yet be required. But foot-ball has shown itself too valuable a college game to be summarily prohibited. As for the substitute urged by President Jordan and others, English Rugby, some expert judges believe the liability to physical injury to be as great or greater. It will be a sorry day for America, if it ever comes, when the college youth cease to enjoy vigorous athletic sports and thus to express and illustrate the virility characteristic of the West.

Instead of abandoning athletics and throwing control to the hazard of student management, they should be more thoroughly under the authority of the College but in such a way as to secure active student co-operation. The physical director is now salaried by the College, that is, the greater portion of his salary is paid by the College. The head coach now paid by the athletic council from funds derived from gate receipts should also be paid by the College and on the same status as an instructor or assistant professor. Physical culture or athletics should be made a department of the College and these interests provided for and supervised the same as any other line of College work. An important step in this direction has been taken in the organization of the Conference of representatives from the governing boards and faculties of the several institutions of the Missouri Valley. Under the authority and direction of this conference I have appointed Professor S. W. Beyer as faculty representative from this Institution for the current year on the standing committee created by the Conference.

It is earnestly hoped that the gymnasium, plans for which were approved by the former board of trustees and approved by the Legislature may be erected in the near future by College funds. It is the intention, as I understand it, of the Board of Education to let the contract for this building during the coming winter so that work may be begun upon it early in the Spring of 1911.

SANITARY CONDITIONS.

It is a matter of great gratification that the improvement of the general sanitary conditions surrounding the college in the fourth ward have resulted in marked improvement in the general health of students. After persistent efforts and the securing of a legislative enabling act, the city of Ames, in co-operation with the College has an adequate and pure water supply and an adequate sewage disposal system. The surface wells, always liable to dangerous contamination, have been abandoned. The faculty committee in co-operation with the health officer have inspected most of the houses occupied by students, requiring the repairing of defective plumbing or other unsanitary conditions. Suitable ordinances have been secured through the city council and the situation is much farther from being a menace to the life and health of the student body than ever before. A campaign of agitation and education has been carried forward with a view to securing proper regulation with regard to food supply and of securing enforcement of such regulations. Satisfactory results in this respect have not yet been fully obtained but the decrease in sickness among students has been so marked as to seriously embarrass the College Hospital for the reason that an increasing number of students do not elect to pay the hospital fee because the chances are so small that they will need hospital service. Great credit is due Dr. Tilden for the fidelity, thoroughness and efficiency he has shown in the administration of this important department of college welfare.

MILITARY DEPARTMENT.

Through the efforts of General Lincoln which were seconded to the best of our ability, a consignment of U. S. arms was made to the College three years ago. Since then and by reason of this assignment the Military Department of the College has been annually inspected by the War Department. The reports from the Department and particularly the last report reflect great credit upon our Commandant, who is recognized in Military circles as an officer and tactician of the first rank. These reports uniformly criticize the College and the state for failure to provide Drill Hall and suitable Armory.

The esprit de corps of the College Battalion has steadily improved. This important department of College discipline was never so efficient as now.

EQUIPMENT.

The Biennial Report for 1908, pages 81-102, gives in detail a list of the equipment needed by the several departments of the College. Some

of this has been provided during the past biennium. Revised estimates by the departments, including only such equipment as is urgently needed for the proper development of the work of the College foots up as follows:

EQUIPMENT NEEDED.

Division of Agriculture, including furnishings for the new Domestic Technology Building	\$ 37,565.00
Division of Engineering	54,000.00
Division of Veterinary Science, including furnishings for the new Veterinary Building	35,000.00
Science Division	5,000.00
Furniture and equipment for new gymnasium, auditorium and armory	6,000.00
Total	\$137,565.00

It is not expected that this needed equipment can be supplied in a single biennial period but it would seem to form a just and reasonable basis for an asking of \$30,000.00 annually during the biennial period for this purpose.

The Faculty Committee on public grounds after careful investigation submits the following estimate of the cost of improvements needed on the College Campus:

BRIDGES.

All of the bridges of the Campus are in a bad state of repair and should be replaced with dignified concrete structures. Mr. Nichols of the Highway Commission has gone over this feature and submits the following estimate:

One 20' Arch Bridge south of the Dairy Building.....	\$1,000.00
One 20' Arch Bridge south of Alumni Hall.....	1,500.00
Four 20' Arched walkways over College creek on the south part of the Campus at \$400.00.....	1,600.00
Total	\$4,100.00

Mr. Nichols suggests that this is on the basis of reaching a fair foundation at a reasonable depth and should piling be necessary it might bring the cost up to \$5,000.00.

WALKS.

From the appropriation secured two years ago we were able to put in a number of permanent walks, and the plans outlined at that time should be completed. This would involve a cement walk from the Dairy Building south to the front gate on Boone street of 1,200 ft. of 5-ft. walk, 6,000 sq. ft. @ 10c per sq. ft.....	\$ 600.00
A walk from the west front to the new Hall of Agriculture, south to the intersection of Ash avenue and Boone street, 1,200 ft. of 5-ft. walk, 6,000 sq. ft. @ 10c.....	600.00

A walk from the east door of the Hall of Agriculture, northeast to the Horse Barn, 500 ft. of 5-ft. walk, 2,500 sq. ft. @ 10c..	250.00
A 6-ft. walk along the path of the old motor line from Morrill Hall, east to Farm House, 1,200 ft., which would be 7,200 sq. ft. @ 10c.....	720.00
A walk from the old Office Building, southeast to the intersection of Boone and Linn streets, 1,000 ft. of 5-ft. walk, 500 sq. ft. @ 10c.....	500.00
A walk from Central Building, south to the intersection of Welch avenue and Boone street, 900 ft. of 5-ft. walk, 4,500 sq. ft. @ 10c.....	450.00
A walk from the Postoffice Building, north to the Motor Station, 600 ft. of 6-ft. walk, 3,600 sq. ft. @ 10c.....	360.00
Total square feet, 34,800; total amount.....	\$ 3,480.00
Excavating and grading.....	2,500.00
Tree planting.....	500.00
Cement curbing, gutters and road construction.....	2,000.00
Total, including bridges.....	\$ 12,580.00

SUPPORT FUND.

It will be noted that the last appropriation bill for the College (Laws of Iowa, 33d G. A. 1909, page 226, section 2) added \$25,000 annually for two years to the Support Fund. This appropriation will cease with the fiscal year 1910-1911 unless renewed by the next General Assembly.

The askings of the different departments summarized show that at least \$50,000 additional annual appropriation will be needed for the maintenance and development of the several divisions.

AGRICULTURAL EXTENSION DEPARTMENT.

The work of the Department of Agricultural Extension has been systemitized and carried forward with greater efficiency than ever before. An increasingly large number of people have been reached in the different portions of the State by means of local short courses. Mutual arrangements between the Extension Department and the local authorities of communities in which these short courses are held have been such as to insure energetic co-operation by the people of the community. More definite work has been done in dairy husbandry, instruction in home economics and in agronomy subjects. Your attention is particularly called to the detailed report of the Department. The greatest credit is due to all workers in this field for their enthusiasm, energy and distinctive success.

SUMMARY.

ADDITIONAL APPROPRIATIONS NEEDED ASIDE FROM BUILDINGS.

Additional appropriation for Support Fund, annual hereafter..\$	50,000.00
Equipment, annual for biennial period.....	30,000.00
Engineering Experiment Station, increase annually.....	5,000.00
Sidewalks, grading and bridge construction.....	12,580.00
(Direct appropriation for biennium.)	
Agricultural Experiment Station, increase annually.....	30,000.00
Agricultural Extension Department, increase annually.....	32,000.00
Good Roads Experimentation, increase annually.....	5,000.00

DEPARTMENTS OF CHEMISTRY AND ZOOLOGY.

Your attention is again called specifically to the emergency which exists in the Departments of Chemistry and Zoology, previous full explanations of which have been made in conferences with the Finance Committee. Some further provision will be necessary for these departments or their students will have to be arbitrarily limited. This will seriously effect all courses in which these subjects are prerequisites or required.

STUDENT ENROLLMENT.

The student enrollment during the biennial period has been as follows:
1908-1909.

Course.	Total.
Agricultural	*276
Agronomy	52
Dairy	18
Animal Husbandry	166
Horticulture and Forestry.....	25
Science and Agriculture.....	3
Veterinary	126
Mechanical Engineering.....	164
Civil Engineering.....	308
Electrical Engineering.....	273
Mining Engineering.....	46
Ceramics	4
General Science.....	142
Domestic Science.....	125
Music	9
One-year Dairy.....	29
Grand total.....	1,766
Students in College courses.....	1,766
Winter Short-Course students.....	796
Special music students.....	69
Grand total.....	2,631

*Comprising all students in academic and freshman years of agricultural courses.

1909-1910.

Course.	Total.
Agricultural Engineering.....	16
Agronomy	129
Dairy	85
Animal Husbandry.....	303
Horticulture and Forestry.....	55
Science and Agriculture.....	1
Veterinary	115
Mechanical Engineering.....	159
Civil Engineering.....	261
Electrical Engineering.....	207
Mining Engineering	44
Ceramics	8
General Science.....	113
Domestic Science	140
Music	14
Total	1,650
Students in College courses.....	1,650
Winte Short-Course students.....	627
Special Music students.....	73

Grand total.....2,350

The most marked change in the enrollment of students has been in the classification under the head of Special. Students of twenty years of age or more were admitted to this classification without being required to present the credits necessary for entrance to regular courses. This has been so changed as to require that students desiring to enter as Special shall have made entrance credits and have passed the freshman year of some one of the regular courses. This has reduced the enrollment in this special classification from 157 to 14. There has been a steady and gratifying advance in the proportion of students entering fully prepared for freshman work and in the proportion of students taking the regular four-year courses for degrees.

DEGREES GRANTED.

1909.

Degree	Number Granted
Bachelor of Science in Agronomy.....	18
Bachelor of Science in Animal Husbandry.....	27
Bachelor of Science in Dairyling.....	5
Bachelor of Science in Horticulture and Forestry.....	6
Bachelor of Science in Agricultural Engineering.....	0
Doctor of Veterinary Medicine.....	15
Bachelor of Science in Civil Engineering.....	56
Bachelor of Science in Mechanical Engineering.....	25
Bachelor of Science in Electrical Engineering.....	39
Bachelor of Science in Mining Engineering.....	9
Bachelor of Science in Ceramics.....	0
Bachelor of Science in Domestic Economy.....	4
Bachelor of Science	25
Artists Diploma in Music.....	0
Total	226

ADVANCED DEGREES.

June 1909

Degree of Master of Scientific Agriculture.

Laurenz Greene, Horticulture.
Orma J. Smith, Horticulture.
Edward N. Wentworth, Animal Husbandry.
Earl S. Haskell, Agronomy.

PROFESSIONAL DEGREES.

Degree of Civil Engineer.

George L. Christy.
James W. Elliott.
Charlie E. Shipman.
John Q. Wickham.

Degree of Mechanical Engineer.

Theodore R. Minert.
Roy A. Norman.

HONORARY DEGREES.

Degree of Doctor of Science.

James W. Robertson.
Norman J. Coleman.
Seaman A. Knapp.
Grand total, 239.

1910

Degree	Number Granted
Bachelor of Science in Agronomy.....	8
Bachelor of Science in Animal Husbandry.....	38
Bachelor of Science in Dairying.....	5
Bachelor of Science in Horticulture and Forestry.....	1
Bachelor of Science in Agricultural Engineering.....	2
Doctor of Veterinary Medicine.....	17
Bachelor of Science in Civil Engineering.....	50
Bachelor of Science in Electrical Engineering.....	23
Bachelor of Science in Mechanical Engineering.....	24
Bachelor of Science in Mining Engineering.....	3
Bachelor of Science in Ceramics.....	1
Bachelor of Science in Domestic Economy.....	14
Bachelor of Science.....	21
Artists Diploma in Music.....	4
Total.....	207

ADVANCED DEGREES.

June 1910.

Degree of Master of Scientific Agriculture.

Joseph F. Barker, Soils.
Claude M. Evans, Agriculture.
Juan A. Gonzalez, Soils.
Ernest Harrison, Agriculture.

Royal Edgar Jeffs, Botany.
Melvin LeRoy Merritt, Horticulture.
James A. S. Watson, Agriculture.

Degree of Master of Science.

Roy Sherman Mackintosh, Horticulture.
A. A. Wells, Science.

PROFESSIONAL DEGREES.

Degree of Civil Engineer.

George Richard Chatburn.
Lawrence T. Gaylord.

Degree of Mechanical Engineer.

Joseph C. Austin.
Sidney R. Fenstermaker.
Gordon F. Doege.

Degree of Electrical Engineer.

Roscoe M. McMillan.
Elbert B. Tuttle.

Degree of Mining Engineer.

Harry M. Parks.

Artists Diploma in Music.

Amy W. Hoopes.
Jessamine J. Byers.
Grace Ann Thielke.
Mayme M. Woods.
Grand total, 228.

CHANGES IN THE FACULTY.

During the period July 1, 1908, to June 30, 1910.

RESIGNATIONS—PROFESSORS.

1908.

George McKay, Professor of Dairying.
F. W. Bouska, Associate Professor of Dairying.
John H. McNeill, Dean of Veterinary Division.
J. A. MacLean, Professor of Animal Husbandry.
Ruth Morrison, Assistant Professor of Domestic Economy.
Bertha Moore, Assistant Professor of Domestic Economy.

1909.

I O. Schaub, Soils Section of Experiment Station.
John Bower, Assistant Professor of Dairying.
Mrs. M. H. Kilbourne, Dean of Women.
M. L. Bowman, Professor of Farm Crops.
Lizzie May Allis, Professor of Modern Languages.

F. A. Allen, Assistant Professor of Mechanical Engineering.
 H. G. Van Pelt, Assistant Professor of Animal Husbandry.
 H. G. Bell, Assistant Professor of Farm Crops.
 Helen Donovan, Associate Professor of Domestic Economy.

1910.

C. A. Scott, Associate Professor of Forestry.
 Archibald Leitch, Assistant Professor of Animal Husbandry.
 Mrs. Estella Fogel-Buchanan, Assistant Professor of Botany.
 Carolyn Grimsby, Reference Librarian.
 W. J. Kennedy, Professor of Animal Husbandry.
 Wayne Dinsmore, Associate Professor of Animal Husbandry.
 Edith Charlton, Domestic Economy, Extension Department.
 Lella Purdy, Assistant Professor of Domestic Economy.
 Lulu Graves, Assistant Professor of Domestic Economy.
 Alice Dynes Feuling, Professor of Domestic Economy.

INSTRUCTORS AND ASSISTANTS.

1908.

Emma Leonard, Assistant in Library.
 Lysle McCollom, Instructor in German.
 J. T. Hoover, Assistant in Agricultural Engineering.
 S. S. Fay, Assistant in Soils, Agricultural Experiment Station.
 W. H. Peters, Instructor in Animal Husbandry.

1909.

R. E. Carr, Assistant in Agricultural Engineering.
 H. C. Horneman, Dairying, Extension Department.
 E. T. Robbins, Agricultural Engineering, Agric. Exp. Sta.
 B. F. Meyer, Gardener.
 Thomas E. Culp, Instructor in Dairying.
 Melissa Flynn, Assistant in Chemistry.
 Lillian Lister, Assistant in Chemistry.
 W. D. Foster, Instructor in English.
 Mabel Rundall, Instructor in English.
 T. R. Minert, Assistant in Mechanical Engineering.
 Julius Erdman, Gardener.

1910.

E. V. Griggs, Instructor in Mathematics.
 J. H. Crisswell, Field Superintendent, Agric. Exp. Sta.
 F. L. Odell, Instructor in Dairying.
 C. E. Ellis, Instructor in Mining Engineering.
 L. E. Troeger, Animal Husbandry, Extension Department.
 Sophie Hargis, Assistant in Chemistry.
 M. W. Pullen, Instructor in Physics.
 Louise M. Peters, Instructor in Modern Languages.
 Mabel Campbell, Instructor in Domestic Economy.

APPOINTMENTS—PROFESSORS.

1908.

C. C. Major, Associate Professor of Mechanical Engineering.
 M. Mortensen, Associate Professor of Dairying.
 Bertha Moore, Assistant Professor of Domestic Economy.

1909.

S. L. Jodidi, Soils, Agric. Exp. Sta.
 Fletcher Briggs, Professor of Modern Languages.
 William M. Barr, Associate Professor of Metallurgy.
 R. E. Roudebush, Assistant Professor of Mechanical Engineering.
 W. W. Dimock, Associate Professor of Veterinary Medicine.
 H. S. Murphey, Assistant Professor of Veterinary Medicine.
 Ira G. McBeth, Assistant Professor of Soils.
 H. G. Hughes, Professor of Farm Crops.
 Archibald Leitch, Assistant Professor of Animal Husbandry.
 Lella Purdy, Assistant Professor of Domestic Economy.
 Lulu Graves, Assistant Professor of Domestic Economy.
 Emily Cunningham, Matron.
 John H. Gordon, Assistant Professor of Dairy Bacteriology.
 H. W. Gray, Assistant Professor of Civil Engineering.

1910.

Mildred MacLean, Assistant Professor of English.
 Harry B. Potter, Assistant Professor of Farm Crops.
 Virgilia Purmort, Professor of Domestic Technology.
 Katherine McKay, Assistant Professor of Domestic Technology.

INSTRUCTORS AND ASSISTANTS.

1908.

Ruth B. Safford, Instructor in English.
 Vera Dixon, Assistant in Library.
 Marie Zimmerman, Instructor in German.
 Emma Wemholz, Assistant in German.
 C. R. Shumway, Assistant in Zoology.
 W. H. Peters, Instructor in Animal Husbandry.
 D. W. Sylvester, Assistant in Agricultural Engineering.
 Mabel Rundall, Instructor in English.
 A. A. Wells, Assistant in Soils.
 H. C. Horneman, Dairying, Extension Department.
 M. L. Wilson, Farm Crops, Extension Department.
 H. H. Kildee, Instructor in Animal Husbandry.

1909.

C. O. Alexander, Assistant in Agricultural Engineering.
 Julius Erdman, Gardener.
 J. R. Campbell, Assistant in Botany.
 C. C. Fowler, Assistant in Chemistry.
 Sophie Hargis, Assistant in Chemistry.
 Orin Kipp, Assistant in Chemistry.
 Jesse McKeen, Assistant in Chemistry.
 Nellie Naylor, Assistant in Chemistry.
 H. J. Plagge, Instructor in Physics.
 W. A. Bevan, Instructor in Physics.
 Bruce A. Cole, Mechanician.
 G. R. MacMinn, Instructor in English.
 Mary M. Morris, Instructor in English.
 Esther L. Cooper, Instructor in English.
 Mollie Morris Smith, Assistant Cataloger.
 Robina Rae, Agricultural Librarian.
 Francis W. Dickey, Instructor in Economics.
 N. Leerberg, Assistant in Mechanical Engineering.
 John Hug, Assistant in Mechanical Engineering.
 C. A. Baughman, Instructor in Civil Engineering.
 V. D. Beard, Instructor in Civil Engineering.
 H. E. Ewing, Assistant in Zoology.
 John Reardon, Gardener.
 E. V. Griggs, Instructor in Mathematics.
 M. L. Mosher, Farm Crops, Extension Department.
 Lura Phillips, Assistant Schools, Extension Department.
 L. E. Troeger, Animal Husbandry, Extension Department.

1910.

George Jack Livingston, Instructor in Farm Crops.
 May Chase, Instructor in Mathematics.
 L. W. Foreman, Field Superintendent.
 Harry Evans, Instructor in Dairying.
 A. L. Bakke, Instructor in Botany.
 F. A. Robbins, Instructor in Physics.
 E. C. Bishop, Assistant in Schools, Extension Department.
 Harriette Sessions, Assistant in Library.
 F. W. Allen, Jr., Instructor in Horticulture.

The reports of the Deans of the several divisions, which reports are embodied in and made a part of this report, give a comprehensive view of the condition and work of the several departments of the College.

SCIENCE DIVISION.

The President acts as Dean of this division. The work of the biennial period in all its departments has been in a high degree satisfactory. Development in some lines has been more marked than in others, but

in each progress has been made. The instructing force in the division is overworked and underpaid, but with genuine devotion and loyalty they have met every demand made upon them and have fully maintained the high standard of work characteristic of the division. The following is a summary of the work and needs of the several departments of this division as set forth in the reports of the Professors in charge.

Mathematics.—The enrollment in this department, last year, reached 864, of which number about one-half were engineers who are required to take mathematics through Calculus. Forty-one different classes were taught in the same semester, two by the head of the department, two by student instructors and thirty-seven by the eight remaining members of the mathematical staff. Miss Roberts, who is also Vice Dean of the Junior College, taught nineteen hours per week and the others averaged nearly twenty-three hours.

Mathematics is fundamental to our several courses of study. It is of use only when thoroughly mastered. Our Mathematical department has an established reputation of lining students up to this requirement.

Chemistry.—A knowledge of Chemistry is so vital to every division of our work that there can be no growth in the college anywhere that does not add to the prosperity of this department. Forty-one courses are offered in this subject and nearly eight hundred students were enrolled in its classes during each semester of last year.

A new building for this department is a practical necessity. The present building was begun in 1871 and a portion of it was used in 1872. This portion constitutes what is now the west wing though a second story was built about twenty years afterward. In 1874 the front part of the building was completed and a portion of it devoted to the use of the Chemical Department. The building was assigned jointly to the Departments of Chemistry and Physics until the new Engineering Building was completed in 1902. Indeed a portion of this building was used by the Engineering Department up to 1884.

At the time this building was constructed the idea of what constituted a properly arranged building for chemical study had not been developed. The building erected could have been used as indeed it was, for almost any purpose in which protection from the elements was the prime object. There were no means of ventilation, no flues to remove noxious gases, no special laboratory rooms or any of the other essentials of a well arranged and well constructed chemical laboratory.

The department has outgrown its space. It is compelled to carry on a number of recitations in other buildings at great inconvenience while its laboratory room is utterly inadequate. More than three hundred students were required to work, last semester, in a space that could accommodate but sixty students per day at the utmost. The total laboratory periods for these students were about four hundred and fifty per week. It was only by doubling up the number of students at one table and putting others in any space that could be improvised that the work was completed.

Besides these difficulties there are courses which should be open to students that cannot be offered under existing conditions.

Botany.—The work of this department may be divided into two phases, one the instructional work and the other the work in experimental or research lines.

The scope of the instructional work is along the lines reported on in previous biennial reports, and the courses given are sufficiently outlined in the College catalog and need not, therefore, be entered upon here. Attention may, however, be called to the correspondence relating to various problems connected with the farm and orchard, that are reaching the department in increasing numbers. The people of this state are generally availing themselves of the opportunity of becoming familiar with the troublesome plant pests of the farm, and much of the department correspondence in the summer relates to weeds and fungus diseases. The department is in this way not only brought into close touch with the people of the State, but it is also educational. In addition to this, during the past year the instructing force has frequently been called upon to address the County Roads Schools, where much information has been disseminated concerning the destruction of weeds and how these weeds are introduced with the agricultural seeds.

Research work. The head of the department has found time in his spare moments to prepare a manual of 750 pages on the subject of The Poisonous Plants, chiefly of North America, which will be of special interest and value to the veterinarian and the physician. The present day literature of the subject of poisonous plants is scattered, so much so that most of the veterinarians and students do not have access to works dealing with the subject. It therefore seemed advisable to bring together the scattered literature and facts concerning the poisoning of livestock and man. The work is copiously illustrated and is designed also to give the student of botany a conspectus of the vegetable kingdom. The work has an extended bibliography which has been prepared by Miss Kellogg.

Professor Pammel has also prepared a handy volume on Weeds of the Farm and Garden, to be published in the year 1910 by the Orange Judd people of New York. In connection with the other workers in the department he has prepared a number of valuable papers on economic botanical questions.

During the year some progress has been made in the arrangement of the economic museum. A collection of the economic conifers of the United States, to be used in the class in Dendrology has been added. A similar collection will also be made of the deciduous forest trees, for the same purpose. Some of the material in the museum has been arranged and the remaining material will be arranged as fast as time will permit. Considerable material has also been added to the Herbarium, chiefly from collections made by Professor Pammel in the Rocky Mountains.

Bacteriology.—The Department of Bacteriology was created by separation of the work from the Department of Botany, July 1st, 1909. It was hoped by the organization of the bacteriological work into a separate department to co-ordinate all such work in the institution. The laboratories in general bacteriology are entirely too small to accommodate both

elementary and advanced students, and the technical and advanced work are closely allied to the work of other departments. In consequence the subject has been organized under three heads:

1. General, sanitary, domestic and veterinary bacteriology.
2. Soil bacteriology.
3. Dairy bacteriology.

It is hoped that a fourth division, that of Veterinary Bacteriology will be organized as soon as the Veterinary building is completed in 1911. Some such arrangement as that will be imperative by that time, as the general laboratories are even now taxed to their capacity. The general plan adopted has proven very satisfactory during the past year and has resulted in cooperation and coordination in work. In many ways the teaching of the soil, dairy and veterinary bacteriology can be better carried on in close cooperation with the corresponding departments. This also enables close and effective cooperation in experimental work. It might be urged that separation of the laboratories in this way involves much unnecessary duplication of apparatus and equipment. This is hardly true, for the number of student sets, the number of microscopes used, etc., tends to be directly proportional to the number of students, and the same amount and number would be needed whether the students work in a single laboratory or in several. Even the larger pieces of apparatus can be used by only a limited number of students, and must be duplicated with increasing numbers in the single laboratory.

The work in general bacteriology is handled by the head of the department and Mr. Charles Murray, assistant. Following is a list of the courses offered last year and the number of students enrolled.

Fall Semester		No. of Graduat ^d
Botany, 24	-----	9
Bacteriology, 1	-----	9
Bacteriology, 2	-----	14
Bacteriology, 4	-----	4
Bacteriology, 10	-----	28
Spring Semester		No. of Graduat ^d
Bacteriology, 1	-----	37
Bacteriology, 2	-----	1
Bacteriology, 3	-----	17
Bacteriology, 11	-----	30
Graduate, 2	-----	2
Total	-----	150

The work in Solis Bacteriology has been seriously hampered during the past year by the delay in the installation of the laboratory furniture in the new Hall of Agriculture. The work was carried on as best it could be in the Dairy bacteriological laboratories in the Dairy Building. These were not well fitted for this type of work, however. The new laboratories in Agricultural Hall are now complete and it is expected that the work will be handled much more creditably during the coming

year. Professor McBeth has immediate charge of the work, and is developing some very strong courses. Half time is spent on Experiment Station problems. Two courses are offered in soil bacteriology, in addition to some graduate instruction.

Professor Gordon, who has immediate charge of the work in Dairy Bacteriology, was granted a half time leave of absence the past year. During the coming year he will devote half his time to Experiment Station work. The laboratories in the Dairy Building are but poorly equipped with apparatus, but this defect is being remedied as rapidly as possible. It is believed that the courses have been materially strengthened during the past year and that they now compare favorably with any given in similar schools in the country. Three courses are at present offered to students in dairying.

Zoology.—During the past two years the energy of the Department of Zoology has been devoted exclusively to the carrying out of the courses as laid down in the catalog. Conditions have been such, both as regards the number of instructors and the material equipment, especially the laboratory room available, that no expansion has been attempted excepting the introduction for students of Agronomy and Horticulture of a one term course (Zoology 16).

The large increase in the number of students taking work in the department, which, in the two years, has exceeded 99 per cent, has rendered it difficult with the inadequate teaching force to take the best of care of either the recitation or laboratory work; while the head of the department has been compelled to discourage advanced students from entering upon special work desired by them.

The greatest needs of the department are in the line of increased instructors, increased room, and increased equipment.

It is difficult to appreciate what a fatal effect on efficient teaching results from the attempt, continued through several years, to teach too many hours per day. In such a subject as Zoology new things are being constantly found, and questions that cannot be answered offhand are constantly coming up, for which the instructor must have time for investigation. If he can discuss these things intelligently with a student, their value in interest aroused, cannot be estimated. If, on the other hand, he is always compelled to leave them without further explanation or discussion, the students inevitably gain the idea, either that he knows little about his subject, or, that he does not take interest in it. This is entirely aside, of course, from an instructor having time for some original work, the results of which would probably be published. We cannot retain instructors who are fit for their positions without giving them some opportunity for research work.

New quarters for the department will soon be an absolute necessity. Temporary, overflow laboratory rooms have been fitted up in the basement of Morrill Hall while all class work has been transferred to the College chapel in order that the former class room might be changed into a laboratory. The basement is utterly unfit for laboratory work, it being impossible to get sufficient light excepting on the brightest days.

The chapel likewise is not at all suited to lecture work, neither is a single room sufficient for all the classes.

Literature and Rhetoric.—The work of the Department of English for the biennial period 1908-1910 has been much the same as in the preceding biennium. In the course of study there has been no change effecting English except that certain courses formerly prescribed for students in Domestic Economy were made elective. But this slight reduction in work was far more than balanced by the increased attendance.

As before the chief problem of the Department has been, how to do the work as it ought to be done? The great burden of work is the correcting of essays. During the fall semester 1909, eight of the ten teachers of the Department, as shown in statements filed with the Finance Committee, averaged 26 3-8 hours per week in correcting essays and consulting with students. This, added to the average class hours for the semester, 16 7-10, makes about 43 hours per week, without reckoning any time for preparing for lectures and recitations, which is of itself no small task in College English. With few exceptions, the principles taught can rarely be reduced to an exact rule which must never be departed from; on the other hand, they are usually subject to modification, usually call for a trained judgment and an educated taste. The English teacher would not object to the sixteen hours in class room, if this did not necessitate twenty-six hours in correcting essays, and leave scant time or strength for adequate preparation, without which no self-respecting teacher is willing to face a class.

Comparison of the work and salaries of teachers of English in Cornell and Yale Universities and the Universities of Nebraska, Kansas, Minnesota, Wisconsin, Michigan and Chicago shows:

1. That teachers of English in the Iowa State College teach about 50 per cent more hours per week than do teachers of English in the institutions mentioned.
2. That English teachers at the Iowa State College receive on an average nearly \$500 less per year than do English teachers in other State institutions in the middle west.

To rightly reduce the present amount of work and bring the salaries upon a reasonable basis, a large increase in the annual appropriation set aside for the maintenance of the department will be necessary.

Economics and Political Science.—The average enrollment of students in this department during the past two years has been one hundred and seventy-five per semester. Eight and ten students respectively for the past two years have made economics their major study.

The department aims to carry on some work of an investigational character in addition to teaching, and during the past two years Professor Brindley has made a study of taxation in Iowa and has two monographs about ready for the press. The head of the department is also engaged in a piece of work, "The Federal Land Policy," which will probably be completed during the coming year.

History and Psychology.—The Department includes History and Psychology and during the past two years there has been added most of the

professional work in education required by students who wish to secure the five year teacher's certificate upon graduation from College. There have been forty-five to fifty students each semester who desired this work.

There have been about five hundred students classified for work in the Department each semester. Besides Dr. Cessna, the head of the department, the following teachers have been employed: Professor L. B. Schmidt, assistant professor, Miss Ethyl Cessna and Miss Carrie Watters as instructors. They have devoted from 15 to 19 hours each week to recitation and lecture work, and from 9 to 12 hours each week to laboratory work in directing students in thesis and general library investigations, and in the preparation of pages of written exercises, besides a large amount of time spent in correcting these exercises, note-books and examination papers. The nature of the work is such that a large amount of outside reading and written preparation is necessary.

Modern Languages.—The Modern Language Department has kept abreast with the growth of the College. The work which it is now doing consists of the combined effort to increase the scope of its courses, and to co-operate with the high schools. Within the Department the courses have been made more thorough, and several new courses have been added which are planned to prepare students better in their knowledge of the languages and to enable them to use the languages to better advantage in the advanced study of other subjects. There are now better opportunities offered than ever before for students interested in Agriculture or in Engineering. Six new courses have been offered for the coming year, all of which promise to add breadth and thoroughness of training. Furthermore, three clubs, consisting mostly of students, have been formed—one in German, one in French and one in Spanish—which offer advantages of conversation to the students interested in the respective languages. In addition to the increased interest in these languages in the College, the co-operation of the Department with the high schools has marked the beginning of greater interest in the languages, particularly in German, throughout the State. These efforts assure better preparation on the part of students who enter the College to enjoy its improved opportunities.

Public Speaking.—The enrollment in the Public Speaking Department for first semester 1908-9 reached a total of, 189; second semester, 159.

The enrollment in Public Speaking Department for first semester 1909-10 reached a total of, 156; second semester 1909-10, 192.

In addition to the regular enrollment, instruction and training has been given by the department to approximately sixty other students taking part in class plays, declamatory and oratorical contests and debates. The quality and value of this work is attested by the character of the class plays rendered, the high standard of our declamatory and oratorical contests and the fact that the College has won eight out of the ten intercollegiate debates held during the biennial period.

That the department is making progress is shown: (1) by the marked tendency to an increase in the enrollment in the more advanced courses, (2) by the granting to the College of a chapter of Delta Sigma Rho, the

National Forensic Society, and (3) by the addition of two new courses, the Art of Debate and Advanced Public Speaking.

There is and has been during the past few years of our educational history a decided awakening on the part of our Colleges and Universities to the practical value of training along the line of sincere and effective public speaking. This awakening has been shown by the establishing of Chairs of Public Speaking in many Institutions which hitherto had given no recognition to this kind of work, and the seeking of competent and able men to fill these chairs. This has given dignity and character to the work, and from the mere "side-issue" study of elocution, Public Speaking is fast coming to be recognized as one of the most practical and valuable Departments of College and University work.

Domestic Economy.—It is the policy of the College to furnish thoroughly scientific courses in Domestic Economy. The courses given in this department during the last year with the additional revised courses to be offered during the coming year are equal in rank to those offered in the large universities. This is due to the high quality of instruction and the strong work in the prerequisite sciences of physics, chemistry, bacteriology and human physiology without which a scientific course in domestic economy is impossible.

In 1908-9 the number of students taking the full Domestic Economy course was 125. 30 others were taking some work, making a total of 155 in the department. In 1909-10 there were 140 regular Domestic Economy students and 22 others taking some work, making a total of 162 different students in the department. The students are better prepared each year. According to plans outlined in the new catalog all freshman girls should take at least one course in Domestic Economy.

The department shows a decided growth in the number of students enrolling in the Domestic Economy course and in the number of Domestic Economy subjects elected by general science students. With its new building and greatly increased facilities for instruction the department has a fine outlook into the future.

Military Department.—This department has been greatly hampered by the lack of an armory in which to store and properly care for the equipment furnished by the United States government, and the want of a drill hall which has prevented drilling more than half of the time set apart for military instruction. It is hoped that the erection of the new gymnasium and armory will remedy all this.

Despite the difficulties encountered by the department the freshman class has during the past year taken much interest in the work and accomplished more than could be expected under the circumstances.

Music.—The music department is in a flourishing condition. There has been a substantial increase in the number of students in the department during the last two years with a corresponding increase in the quality of the musical talent entering the department. There are two distinct classes of students in the department, those pursuing the college music course as outlined in the catalog, and those who are unclassified. Unclassified students may be subdivided into two divisions, those who are

not or cannot be classified in any regular college course, desiring the benefit of the instruction of the musical teaching force, in some cases coming in from the neighboring towns and villages, and students, who are regularly classified in other college courses, taking music in addition as an elective without credit. Of the latter there were forty-six enrolled during the past year.

There has been a gratifying increase in the number of students pursuing the regular college music course. Three years ago there were only four, last year fourteen. Three years ago the entire enrollment was a hundred and three; for the past year the enrollment figures as follows:

College Music Course	14
Unclassified	121
Total	135

The equipment of this department is inadequate both in the matter of a building and in the number of practice pianos. These conditions should be remedied as rapidly as the available funds will permit.

DIVISION OF AGRICULTURE.

Dean Curtiss of this Division has submitted a report upon this part of the work of the College which is a strong presentation of its aims, work and needs. The following is the report:

The Division of Agriculture embraces three distinct lines of work, (1) the Educational or Instruction Work in Agriculture; (2) the Agricultural Experiment Station work; and (3) the Agricultural Extension work.

This institution probably has a cleaner cut and more definite organization than is to be found in any other institution and at the same time it has been the policy to closely co-ordinate these three distinct lines of work in such a way that the heads of the several departments in the Division of Agriculture may have authority over all lines of activity that properly come within the scope of their departments.

In the Division as at present organized, we have the Departments of Agronomy, including Soils and Farm Crops; Animal Husbandry, including Poultry and Dairy Stock; Horticulture and Forestry; Dairying; and Agricultural Engineering. The heads of these departments are also the heads of the corresponding sections of the experiment work, and this plan of co-ordination is carried into effect by the provision that all extension workers representing the various departments are appointed upon the recommendation of the heads of the departments which they represent and the Superintendent of Agricultural Extension. The service rendered in these lines of work is subject in all cases to the approval of the heads of the College departments. The Experiment Station investigators are under the immediate direction of the heads of departments, who have direct supervision of this work. The extension workers are under immediate direction of the Superintendent of Extension, but they

are expected to report concerning their work to the heads of departments, as well as to the Extension Department, and it is required that their service be in harmony with the policies and methods of the departments.

In the organization of the staff for the agricultural work, some of the men are assigned exclusively to instruction work; others exclusively to Experiment Station work; and others exclusively to extension work. This plan has been found to be much more satisfactory than the original policy of requiring all members of the department force to divide their time between teaching, Experiment Station work and extension work. Under the former plan some parts of the work are likely to be developed at the expense of other lines, and, on the other hand, a complete separation of these three lines of activity under entirely distinct departments, as is the case in some institutions, is likely to result in a lack of unity and harmony.

THE INSTRUCTION WORK.

The instruction work in the Division of Agriculture has made marked progress during the past biennial period, the total number of students in the collegiate courses reaching the 600 mark during the year, and in addition we have had an enrollment of 576 in the Two Weeks' Short Course work. By reference to the reports of the heads of departments, which are submitted herewith, it will be noted that there has been a rapid increase of students in all lines. The work has been maintained at a high standard. The graduating classes turned out have been the largest and most efficient in the history of the institution. At the last commencement we graduated 63 from the Division of Agriculture, including 9 who took advanced degrees. Of this number about 50 have returned to work on the farms, notwithstanding the fact that we have the largest demand for teachers and investigators that has ever been made upon the institution. Nine of these graduates were city boys, and all of this number except one have taken up work on farms. The old criticism, that agricultural graduates do not return to the farm, does not apply to this institution. Our students are returning to the farms in larger numbers each year, and it is becoming increasingly difficult to secure competent men to fill positions in educational institutions, experimental work, and in the Department of Agriculture.

The new Agricultural Building has been completed and occupied during the past biennial period, and the splendid lecture rooms, laboratories and other facilities for work afforded by this building furnish a most excellent improvement which contributes to the service and efficiency of the Division of Agriculture in the training of students and in conducting investigations. This building has been greatly admired and appreciated by the representatives of educational institutions from forty different states and six foreign countries who have been in attendance at the Graduate School during the summer of 1910.

It is regarded as the most complete and best equipped Agricultural Building in the United States. It is in keeping with the importance of the agricultural industry in Iowa, and it is constructed in such a thorough and substantial manner that there is every probability of its serving the agricultural interests of the state for centuries to come. It is already apparent that the building will be taxed to its fullest capacity within the immediate future by the rapidly increasing classes that are being enrolled in the Division of Agricultural.

While complete and adequate provision has been furnished for most lines of work by the completion of the Agricultural Building, the Division has outgrown some of its facilities. The Animal Husbandry and Agronomy Departments are in need of additional laboratory or pavilion room for the laboratory work in stock and grain judging. It will be noted by referring to the Animal Husbandry report that forty-two distinct courses are offered in that department and the total enrollment of students in the department during the past year was 2200. In the Agronomy Department there are twenty-nine distinct courses offered, and the total enrollment of students during the past year was 1748. All of the laboratory work in stock and grain judging is given at the present time in two pavilions, and these pavilions are in use every day in the week, including Saturdays. With the increased enrollment in these two departments which will result from the larger freshman and sophomore classes already in the institution, and the probability of increased enrollment each year, it will be impossible to make provision for all of the work in these two pavilions. We have also been unable to make anything like satisfactory provision for certain features of our Animal Husbandry work, in the way of conducting slaughter and block tests and more closely connecting the practice of feeding with the results of the finished product in the carcass, and at the same time determining the most economical and efficient means of production of animals on the farm, without an abattoir laboratory, by which animals that are used for investigation and instruction may be slaughtered and the products finished for market in such a way as to be of the highest educational value. No part of the work that has been conducted during our annual farmers' Short Courses and our regular classes in Animal Husbandry has been of such intense interest as the limited amount of slaughter and block test demonstration that has been given in such an unsatisfactory and incomplete manner on account of lack of facilities. In the last biennial report we asked for an appropriation of \$50,000 for a building of this kind. In the report from the Animal Husbandry Department this item is again included by Professor Kennedy, and in addition \$15,000 is asked for another judging pavilion to serve the needs of the Animal Husbandry and Agronomy Departments.

Since this report was submitted we have formulated a tentative plan by which the judging pavilion and abattoir may be included in one building at a cost of not to exceed \$50,000. This plan will result in economy of construction and will concentrate the work in a more satisfactory manner.

The Animal Husbandry report also calls attention to the urgent need of additional buildings for the Poultry Department and an inexpensive judging pavilion at the Dairy Farm. Both of these buildings are urgently needed to take care of our present classes, and, aside from the increase of students in the four year courses already mentioned, provision has very properly been made for the addition of a two year course adapted especially to the needs of farm boys who are not able to meet the regular entrance requirements, but who wish to fit themselves for practical agricultural work and become better equipped for the immediate problems of farming high-priced lands in Iowa. It is altogether probable that this course alone will add 25 per cent to the enrollment of the Division of Agriculture within the coming biennial period.

The legislature of New York has just appropriated to Cornell University \$90,000 for a Poultry Laboratory. The poultry interests of Iowa exceed those of any state in the union, and it is highly important that adequate provision be made for poultry work in this institution.

The horticultural and agronomy departments are seriously handicapped in their plant propagation and laboratory work on account of lack of greenhouse laboratory room, and a recommendation is made by these departments for the extension of the greenhouse laboratories at a cost of \$10,000.

In connection with the landscape work of the Department of Horticulture, I wish to emphasize the importance of the better development and utilization of our campus and public grounds. We have the opportunity of making and maintaining the finest college campus in America. Every part of this campus should be of educational value to our student body and to the people of the state. This work has been badly neglected in the past on account of lack of funds. The planting of trees, flowers and ornamental shrubs should be extended and improved by the selection of additional and better varieties, and the drives, bridges and walks should be maintained on a basis that will give the greatest utility and beauty and the greatest educational service. We have in connection with the public grounds a tract of about forty acres that has been entirely neglected for the past ten or fifteen years. There is no good reason why the state of Iowa should not maintain its grounds and campus on as good a basis as that on which the best cities are maintaining their public parks. Every tree, plant and shrub, and every drive, bridge and walk, should serve as an object lesson and contribute to the educational value of the institution. To put this work on a proper basis will require the expenditure of not less than \$15,000 a year during the coming biennial period. At some seasons of the year the roads on the campus have been in as bad condition as the public roads in the country. The College ought, as an object lesson in road building, to construct not less than a mile of macadamized or other hard-surfaced road on the campus each year, and within a few years this should be extended to the city pavement of Ames. When this is done and some satisfactory road legislation secured by the state, similar roads can be constructed radiating from the College and the City of Ames into the surrounding farming districts.

I also wish to urge in this connection that the legislature be asked to increase the allowance for the road work conducted by the Highway Commission. The details of this work will be presented in another place in the biennial report.

The Agricultural Engineering Department needs an additional laboratory building for the storage and testing of large machinery, traction engines, and steam engines. This building would serve, primarily, as a steam, gasoline, and electrical engineering laboratory. We have at present no suitable place for giving this work and much of it has to be given out-of-doors, where it is necessarily interfered with by weather conditions. Such a building should be about fifty feet wide and one hundred twenty feet long. It should be plainly constructed, with brick walls and steel frame and slate roof, and would cost \$6,000.

The agriculture of Iowa never commanded so much attention and was never of such vital interest to all the people of the state as it is at the present time, and the demands upon this institution for assistance in all kinds of agricultural education and in the betterment of rural life were never as great as they are now. Reference has been made to the addition of the two year course, which meets a most urgent demand and promises to develop into one of the most popular features of the agricultural work of this institution. There are other fields which the institution has not yet entered which seem equally important and equally urgent. There is a widespread and almost universal sentiment growing rapidly from year to year in favor of a broad general system of secondary education in agriculture, throughout the United States. Some of the states have already taken the lead in making provision for this within their own bounds, and at the last session of congress a bill was reported for passage by the Agricultural Committee of the Senate, providing for federal aid for this important work and for agricultural extension and instruction in vocational subjects in state normal schools. There is a strong probability that this bill will be passed by congress in the near future. This will create a demand for agricultural teachers in the secondary schools which will be far in excess of the supply. Naturally the agricultural colleges will be expected to meet this demand. They are the only institutions properly equipped and designed to train this class of teachers. The work of introducing agriculture in the secondary schools will be seriously handicapped for a number of years if the agricultural colleges are not in position to take up this work. During the past two years we have had a larger demand for graduates to enter this field than for any other single line of work. The technical agricultural courses which we are now offering do not fully meet this demand. They train young men for technical and professional positions rather than for teachers. To train teachers, work in agricultural education should be offered especially adapted to meet the needs of young men and women who wish to make agricultural education their life work.

There is also a most urgent need of a summer school course in agriculture. There are a large number of teachers who are interested in agricultural work and who wish to strengthen themselves for the introduction of agriculture and science work in the public schools. These

teachers would be free to attend a course of four to six weeks during our summer vacation. There has already been a demand made upon this institution, and other institutions, for summer session work, and over half of the agricultural colleges and universities of the United States are now holding summer sessions primarily for the benefit of teachers and others who wish to avail themselves of such work. It is desirable that such a course be offered at Ames during the coming year and annually thereafter. This course would supplement the training of many college graduates who are teaching and would enable them to be better prepared to take up the work of introducing agriculture in the public schools. It would also be of service to country pastors and rural Young Men's Christian Association workers who are endeavoring to solve the educational and social problems of rural communities.

The following are the courses offered and the number of students enrolled in the Soils, Farm Crops, Animal Husbandry, Horticultural, Agricultural, Engineering and Dairy Departments.

AGRONOMY.

SOILS		No. of Students
No. of Courses	1 Soil physics	75
	2 Soil fertility	73
	3 Research in soil physics	8
	6 Advanced soil fertility	9
	7 Investigation or special soils	7
	8 Soil bacteriology	0
	10 Seminar	0
	12 Thesis	6
	13 Soil surveying and mapping	5
	14 Advanced soil bacteriology	1
	Graduate students	3
	Total in regular work	194
	Short course students	472
	Grand total	666

FARM CROPS

No. of Courses	1 Corn growing and judging	231
	2 Small grains, grasses and forage crops	308
	3 Corn breeding and judging	48
	4 Grain breeding and judging	25
	8 Farm management	39
	9 Research work in farm crops	9
	10 Advanced work in farm crops	9
	11 Advanced corn judging	18
	12 Advanced grain judging	25
	13 Thesis	14
	Graduate work	2
	Total in regular work	4
	Short course students	610
	Graduate students	472
	Grand total	1,082

No. of Course	ANIMAL HUSBANDRY	No. of Students
1	Market types of cattle and sheep.....	300
2	Market types of dairy cattle, horses and swine.....	256
3	Breed types of cattle and sheep.....	110
4	Breed types of dairy cattle, horses and swine.....	105
6	Advanced live stock judging.....	64
7	Herd book study.....	43
8	Animal breeding.....	36
9	Animal nutrition and packing house by-products.....	44
10	Thesis.....	39
11	Feeding and management of live stock.....	65
12	Feeding and management of live stock.....	63
13	Advanced work in beef production.....	43
14	Advanced work in pork production.....	43
15	Milk production.....	51
16	Advanced work in mutton and wool production.....	43
17	Advanced work in horse feeding.....	43
18	Breeding and judging dairy stock.....	28
19	Feeding dairy stock.....	24
20	Animal feeding.....	19
21	Principles of breeding.....	29
22	Animal husbandry seminar.....	68
23	Animal husbandry seminar.....	66
30	Poultry judging.....	11
31	Poultry management.....	34
32	Practice in poultry feeding and management.....	9
33	Incubator practice.....	12
34	Brooder practice.....	11
35	And 36 Poultry research and experimentation.....	22
37	Poultry management.....	29
38	Practice in poultry fattening.....	
39	Poultry judging.....	
40	Poultry seminar.....	
41	Anatomy and physiology of poultry.....	
42	Marketing of poultry products..... (Courses 38, 39, 40, 41 and 42 are to be given in 1910 for the first time.)	
	Winter short course.....	482
	Post graduates.....	8
	Grand total	2,200

HORTICULTURE AND FORESTRY

1	Vegetable and greenhouse crops.....	13
2	Plant propagation.....	200
3	Orcharding.....	85
4	Plant breeding.....	13
5	Advanced pomology.....	3
7	Pomology.....	14
8	Landscape gardening.....	5
9	Research work.....	1
11	Floriculture.....	24
13	Thesis.....	1
14	Farm forestry.....	206
15	Silviculture.....	13
16	Forest development and policy.....	11
17	Wood technology.....	9
18	Forest utilization.....	8
19	Dendrology.....	19
20	Timber physics.....	2
	Total in regular work	627
	Graduate students.....	2
	Grand total	629

The following statement shows the enrollment of students in the Horticulture and Forestry Department for the closing year of each of the last three biennial periods:

1905-6.....	324
1907-8.....	496
1909-10.....	629

No. of Course	AGRICULTURAL ENGINEERING DEPARTMENT	No. of Students
1	Shop work.....	200
2	Shop work.....	221
3	Farm blacksmithing and horseshoeing.....	9
4	Farm engineering.....	89
5	Farm machinery and farm motors.....	92
6	Rural architecture.....	13
7	Dairy engineering.....	33
8	Spraying apparatus.....	13
9	Research work in agricultural engineering.....	9
10	Research work in agricultural engineering.....	5
12	Thesis.....	3
13	Gas and oil engines.....	42
	Total in regular work	738

DAIRY DEPARTMENT

10	Domestic dairying.....	12
11	Cheesemaking.....	12
12	Farm dairy.....	180
13	Milk testing and milk inspection.....	89
14	Advanced buttermaking.....	11
16	Technology of milk.....	8
17	Dairy bacteriology.....	5
18	Scoring butter and cheese.....	6
19	Seminar work.....	7
20	Factory management.....	5
21	Preparation of ice cream and ices.....	8
23	Thesis.....	8
24	Fancy cheesemaking.....	8
	Total in regular work	314

THE AGRICULTURAL EXPERIMENT STATION.

The Agricultural Experiment Station work now includes the following sections representing different lines of investigation: Agronomy, including Farm Crops and Soils; Animal Husbandry, including Poultry and Dairy Stock; Horticulture and Forestry, Agricultural Engineering, Dairying, Botany, Entomology and Chemistry.

During the biennial period ending July 1, 1910, the Experiment Station published 18 bulletins in the regular series, numbers 100 to 117 inclusive. Popular editions of bulletins 108, 111, 112, 113 and 114 were published. Eleven press bulletins were issued.

Bulletin 100 on "Modern Silo Construction" gave a comprehensive review of the methods of silo building in use at that time. Mention was made of the "Iowa Silo," an experimental tile silo which had promised to be an improvement on the existing types. The demand for bulletin 100 was so great that it was necessary to publish a second edition a year later, July, 1909. Further experiments with the Iowa Silo enabled a fuller account of its merits and construction to be given.

Bulletin 101 was entitled a "Study of Moisture in Butter." It was found that there is no definite relation between the moisture content and either the score or keeping quality of butter. Methods were outlined by which a careful man could control the moisture variation to within one per cent.

Bulletin 102, on "The Lesser Apple Leaf Folder," gave a carefully worked out life history of this insect and outlined a plan by which it could be controlled.

Bulletin 103, "The Use of Starters in Butter Making," gave the results of experiments with substitutes for milk in making starters. It was found that glucose starters produce as good a quality of butter as milk starters, although the ripening process requires two or three times as much time. Condensed milk diluted with water was satisfactory for starters.

Bulletin 104, "Some Plant Diseases of 1908," discussed the following diseases: Millet smut, downy mildew of millet, powdery mildew of wheat, black blight of wheat, black blight of wheat and oats, bean anthracnose, bean rust. Preventive and remedial measures were given.

Bulletin 105, "Notes on Eradication of Weeds," gave the results of spraying experiments with different chemicals and weeds. Experiments in eradicating quack grass were also reported.

Bulletin 106, "Preparation of Corn for Hogs," showed that there is no economy in grinding corn for hogs. Until they reach 200 pounds in weight, the most economical gains are made on whole ear corn. After that there is something of an advantage gained by feeding soaked shelled corn.

Bulletin 107 was entitled, "Tuberculosis and its Detection." It cited the results of post mortem examinations of reacting animals as proof of the reliability of the tuberculin test. Experiments showed that hogs following tubercular cattle were very likely to contract the disease, and that hogs fed milk containing tuberculosis bacilli would almost certainly become infected. A preliminary report on the quarantining of tuberculous cattle was also given. The results showed that tuberculous cows kept on good pasture under sanitary conditions could raise their calves without any great danger of infection.

Bulletin 108, on "Cold Storage of Iowa Apples," showed that the hardy, easily-grown fall apples may be kept through the winter in cold storage. The conditions required for successful storage were given, with a list of the best-keeping varieties.

Bulletin 109, on the "Value of Corn, Oil Meal, Cottonseed Meal, and Gluten Feed in Work-Horse Rations," gave the results of two years' work with these feeds. It was found that concentrated protein feeds could be profitably substituted for oats. With corn at 50 cents a bushel, oats at 40 cents, and oil meal at \$32 a ton, the average saving in the daily expense of feed for each work day amounted to 1.6 cents by the use of oil meal instead of oats. Cottonseed meal resulted in a still greater saving. Gluten feed was economical, but was not relished by the horses. The withdrawal of oats from the ration did not injuriously affect the health, spirit, or endurance of the horses.

Bulletin 110 gave the results of three years' experiments with "Roots and Corn Silage for Fattening Lambs." Dry food produced more economical gains than roots or silage when corn was at ordinary prices. During the first year, when corn was low in price, silage gave the cheapest gains, with dry feed second.

Bulletin 111, "The Apple-Leaf Hopper," gave a life history of this nursery insect. Experiments showed that dipping affected nursery stock in soap solution was an effective remedy.

Bulletin 112 was entitled, "The Influence of Feeding Sugar Beets and Mangels to Breeding Animals, with Special Reference to the Formation of Renal and Urinary Calculi." It showed that sugar beets and mangels favor the formation of renal and urinary calculi when fed to breeding rams. The conclusion was that it was unsafe to feed these roots to breeding animals. There is little danger from feeding roots to fattening animals when the feeding period is not prolonged.

Bulletin 113, on "The Influence of Stock Foods on the Digestibility of a Stock Food Ration Fed to Swine," showed that stock foods did not have any beneficial effect on digestion. No greater nor faster gains could be made than when corn was fed alone, nor was the cost any less.

Bulletin 114, "Plum Varieties," gave brief cultural directions for plums, with a list of the leading old and new varieties, with their characteristics.

Bulletin 115 gave the "Results of Seed Investigations for 1908 and 1909." A method was given by which the percentage of impurities in the various agricultural seeds could be easily determined.

Bulletin 116 was a preliminary report on "Two Barley Blights," the yellow-leaf disease and the late barley blight. This report was of a preliminary nature and consisted mainly in a description of the diseases.

Bulletin 117, on the "Iowa Silo," gave reports of thirteen of these silos that had been in successful operation the preceding winter. Detailed directions for putting up an Iowa Silo were given.

The press bulletins were brief articles on some pertinent and timely subject, designed to be sent to the press for republication in whole or in part. The subjects were as follows: "The Corn-Root Worms," "Exterminating Quack Grass," "Canada Thistle," "Weed Extermination," "The Pear-Slug," "Winter Wheat Growing in Iowa," "Home Preservation of Eggs," "Lice on Fowls," "The Common Chicken Mite," "Seed Corn for 1910," and "The Corn-Root Aphid."

The lines of investigation being carried on by the several sections of the Experiment Station are very extensive. This work is set forth in detail in the annual and biennial reports of the heads of sections. As an indication of the scope covered by this work and the extent of the investigations, the following list of experiments in Farm Crops work now in progress is given in full:

1. Winter wheat, variety tests. Ten of the most promising varieties of winter wheat are under comparison for yield and quality.
2. Winter wheat, breeding. One thousand strains of wheat are being compared in the breeding plot. Some very promising strains have been secured and are now ready for the multiplication plots.
3. Winter wheat, seeding. A comparison of drilling wheat with broadcasting.
4. Oats, variety tests. Some forty-five varieties are compared for yield and quality.
5. Oats, breeding. About 1,600 strains of oats of the most promising varieties are now being carried in this work.
6. Oats, preparation of seed. Much has been said concerning the value of a careful use of the fanning mill in preparing oats for seed. This experiment is undertaken with a view of determining definitely this much-debated question.
7. Oats, acclimatization.
8. Oats, rate of seeding. Different rates of seeding are compared, ranging from $2\frac{1}{2}$ to 4 bushels.
9. Spring wheat, variety tests. Some ten varieties of spring wheat are compared for yield and quality.
10. Barley, variety tests. Some twenty-five of the better varieties of barley are compared.
11. Corn breeding.
12. Alfalfa. Plots have been seeded by different methods and treated in various ways. These have been harvested for some seasons.
13. Shrinkage, corn. The per cent of water lost from a quantity of crib corn during certain parts of the season will be determined, as has been done for some years.
14. Shrinkage, clover and alfalfa hay.
15. A study of possible correlations between certain characteristics of corn plant and yield.
16. An experiment to determine the effect of the size of the germ on the early growth of the corn plant and yield.
17. An experiment to determine the influence of certain physical characteristics of the corn kernel on yield, a comparison of horny and starchy kernels.
18. Corn. A comparison of the vigor of germination with the per cent stand in the field and yield.
19. The development of early maturing, high-yielding corn for Northern Iowa,

20. Clover breeding. The selection and isolation of improved strains of red clover. Particular attention will be given to strains which can be depended upon for seed production as well as for yield and quality of forage.
21. Timothy breeding. The selection and isolation of improved strains of timothy. Attention will be given here to both the quality of the hay and seed production.
22. A grass garden. A number of important grasses will be compared in plots side by side. These will be seeded under field conditions.
23. Pasture and meadow, reseeding. Pastures which have been injured will be reseeded with different mixtures and by different methods.
24. Alfalfa, co-operative tests. Since we have so many different types of soil in this state, it seems advisable to put out small co-operative tests with this crop in different sections of the State.
25. Sweet clover. Seed of this plant will be secured from different sources in an attempt to determine whether there may not be certain strains of this legume which are valuable for forage purposes.
26. Hemp. This crop is being grown here for the first time in an attempt to determine its possible value to Iowa farmers.

The investigations conducted by the Soils Section are of equal extent and importance to the agricultural interests of Iowa. The Horticultural and Animal Husbandry Sections also have in hand a large number of investigations bearing directly upon the problems of their respective fields. Many of these lines of investigation extend over periods of from three to five years, and the results in many cases are of vital importance as affecting the agricultural interests of the State. The investigations concerning the weed and insect problems of Iowa by the Botanical and Entomological Sections have been of great service, and the methods of butter-making prevailing in the commercial creameries have been revolutionized in recent years largely through investigations of the Dairy Section of the Iowa Experiment Station. The Agricultural Engineering Section is of more recent origin, but there is hardly any other field where the Experiment Station can be of more service to the farmers of Iowa than in devising plans for the better construction, ventilation and maintenance of farm buildings, better understanding and application of mechanical principles, and improved mechanical appliances on the farm.

The Soils Section has had great difficulty in carrying on investigations calculated to be of the greatest service to the farmers of Iowa, on account of the difficulty of securing permanent use of suitable lands in different parts of the State for soil experiments. Several farms on which soil experiments were established have changed hands within the past biennial period, and the results of several years' work are practically lost by reason of the change of ownership and the necessity of abandoning the experiment. Similar conditions exist in other states. Some states have adopted the policy of purchasing tracts of land in various localities where soil problems are to be studied. In Ohio a very satisfactory plan is in operation by which the Boards of Supervisors are authorized to establish experimental farms in the various counties.

I recommend that the Board of Education submit to the Legislature the following plan, which is modeled after the Ohio act, and which will make it possible for the counties wanting soil experiments to co-operate with the college through the Experiment Station in providing suitable lands and facilities for this work:

AN ACT TO AUTHORIZE THE ESTABLISHMENT OF COUNTY EXPERIMENT FARMS.

SECTION 1. In order to demonstrate the practical application under local conditions of the results of the investigations of the Iowa Agricultural Experiment Stations, and for the purpose of increasing the effectiveness of the agriculture of the various counties of the state, the supervisors of any county in the state are hereby authorized and empowered to establish an experiment farm within such county as hereinafter provided for.

SEC. 2. The experiment farms established under this act shall be used for the comparison of varieties and methods of culture of field crops, fruits and garden vegetables; for the exemplification of methods for controlling insect pests, weeds, and plant diseases; for experiments in the feeding of domestic animals and in the control of animal diseases; and for the demonstration of the effects of crop rotation, drainage, manures and fertilizers, or for such part of the above lines of work as it may be practicable to carry on.

SEC. 3. Upon the filing of a petition with the county auditor, signed by not less than five per cent of the electors, based upon the vote for governor at the last preceding election, residing within the county, the supervisors of such county shall submit to the qualified voters of such county a proposition to establish an experiment farm within such county, and to issue notes or bonds for the purchase and equipment of such farm, such proposition to be voted upon at the next general election following the receipt of the petition by the supervisors. Notice of the intention to submit such proposition shall be published by the county supervisors in two newspapers of opposite politics, printed and of general circulation in said county, for at least four weeks prior to the election at which the proposition is to be voted upon, together with a statement of the maximum amount of money which it is proposed to expend in the purchase and equipment of such farm.

SEC. 4. The county auditor shall file a written request with the proper parties asking for the preparation of the necessary ballots, which ballots shall be separate and apart from all other ballots, and which ballots shall have printed thereon, "Tax for experiment farm—yes"; "Tax for experiment farm—no." The result of such election shall be ascertained and the result thereof certified to by the county auditor.

SEC. 5. If a majority of the electors voting on such proposition in the county are in favor of establishing such experiment farm, then the supervisors of the county shall levy a tax on all the taxable property in such county as listed for taxation on the county duplicate, which levy shall not

exceed ——— of one mill on the dollar of the taxable property of the county in any one year, nor shall the aggregate of all the levies for such purpose exceed ——— on the dollar.

SEC. 6. To anticipate the collection of the tax authorized by this act and the use of the money to be raised thereby, the supervisors are hereby authorized and required to issue the notes or bonds of their county, such notes or bonds to bear interest at a rate not to exceed six per cent per annum, and not to run to exceed ten years, and not to be sold for less than their par value, and the proceeds of the sale thereof shall be deposited in the county treasury, to be applied by the supervisors to the purchase and equipment of an experiment farm, containing eighty acres or more, as hereinafter provided for.

SEC. 7. When the funds provided for in this act are deposited in the county treasury, the supervisors shall notify the State Board of Education of their act, on receipt of which notice it shall be the duty of said Board of Education to send a committee of agronomy and a member of the Finance Committee to visit the county and assist in the selection of a farm to be used for the purpose specified in this act, provided that no farm shall be purchased except with the approval of the majority of the said committee and also of a majority of the Board of County Supervisors of the county.

The equipment of an experiment farm shall consist of such buildings, drains, fences, implements, live stock, stock feed and teams as shall be deemed necessary by the Director of the Experiment Station for the successful work of such farm, and the initial equipment shall be provided by the county in which the farm is established, together with a sufficient fund to pay the wages of the laborers required to conduct the work of such farm during the first season. The county supervisors shall appropriate for the payment of the wages of the laborers employed in the management of such farms as may be established under this act, and for the purpose of supplies and materials necessary to the proper conduct of such farms, such sums, not exceeding two thousand dollars annually for any farm, as may be agreed upon between said supervisors and the Director of the Experiment Station.

SEC. 9. The management of all experiment farms established under authority of this act shall be vested in the Director of the Iowa Agricultural Experiment Station, who shall appoint all employees, and plan and execute the work to be carried on, in such manner as, in his judgment, will most effectively serve the agricultural interests of the county in which such farm may be located, the director and all employees being governed by the general rules and regulations of the said Experiment Station.

SEC. 10. The county supervisors of any county may assign to the State Board of Education such portion of any farm now owned by the county as may be mutually agreed upon between the supervisors and the Board of Control, the land thus assigned to be occupied and used by the experiment station for the purpose specified in this act and under the management of the director of the station.

SEC. 11. The produce of each of such experiment farms as may be established under this act, over and above that required for the support of the teams and live stock kept on the farm, shall be sold and the proceeds applied to the payment of the labor and to the purchase of the supplies and materials required for the proper management of the farm as contemplated by this act, and for the maintenance of its equipment. Any surplus beyond these requirements shall be covered into the county treasury and placed to the credit of the general fund of the county, except in the case of the use of farms already belonging to the county, in which case the proceeds shall be placed to the credit of such fund as the county supervisors may designate.

SEC. 12. In case the experiment station shall cease to use for the purposes herein specified any farm established under this act, such farm and its equipment shall be sold at public auction to the highest bidder after notice of such proposed sale shall have been published for four consecutive weeks in two newspapers of opposite politics, once a week, published in and having the largest circulation in the county within which the farm is located, and the proceeds of such sale shall be covered into the county treasury, the sums thus covered to be placed to the credit of the school funds of the county.

The Experiment Station work is of vital importance to the agricultural interests of Iowa, and sustains a direct relation to the agricultural instruction work given in the College and to the Agricultural Extension work carried to the people of the state. The importance of this work as affecting the agricultural practices, the scientific knowledge pertaining to agriculture and the economic interests of practical agriculture cannot be overestimated. The agricultural colleges did not succeed until after the federal experiment station act was passed and had been in operation for a sufficient period of years to securely establish a definite body of agricultural knowledge, which has served as the basis for agricultural teaching and for the direct benefit of farmers engaged in practical agricultural operations. There has never been a time when careful, scientific experiments bearing directly upon practical agricultural problems were as important, or could be made of as much service, as today. The research work in agriculture represents the highest type of agricultural work and the highest field of service to agriculture and to humanity in general. There are many problems that need to be solved locally, not only for each state, but for each community having its local soil problems and other conditions affecting agricultural practices. Practically all of the bulletins issued by the Agricultural Experiment Station have been exhausted and many that are called for from day to day cannot be supplied.

The study of soil, live stock, horticulture and forestry problems has a vital relation to the conservation of natural resources in Iowa. The wealth of Iowa lies in her soil, rather than in mountain streams and mineral resources, which have thus far received a large share of attention in the conservation movement. Fortunately, the agricultural lands in this state have not yet suffered serious depreciation, but nothing but careful and intelligent methods of farming, based upon sound economic and scientific principles, will prevent impoverished condition of soil and

depreciation of value that has invariably resulted in all of the older farming regions of the United States. It is of the utmost importance that adequate provision be made for all lines of research work pertaining to better methods of agriculture in Iowa. The need of increased appropriations for this work is presented in detail in the section reports and summarized at the end of the report of the Division of Agriculture. The last Legislature made the increased appropriation of \$15,000 annually for the biennial period only. In addition to the amounts asked for the several lines of agricultural investigation, this appropriation of \$15,000 annually for the period should be made permanent.

AGRICULTURAL EXTENSION WORK.

The Agricultural Extension work grew out of the Farmers' Short Course work which was established by this institution in 1900. This was the first practical farmers' course ever offered by an agricultural college which appealed to successful farmers and stock raisers, and which has been attended regularly by a large number of experienced men, as well as by young men who are looking forward to agriculture as a life calling. This work became so popular as to create a demand for similar work throughout the state. This was provided for in an appropriation of \$15,000 by the Thirty-first General Assembly, which has since been increased to \$32,000 annually. This was one of the first Agricultural Extension Departments to be established in the United States. Agricultural Extension work has since been established in about one-third of the states. The demand has grown beyond the limitations of the department with its present funds and instruction force.

The following is a statement of attendance at the local short courses held in different parts of the state during the winter of 1909-10:

Place	Date	Men	Women	High School		Total
				Boys	Girls	
Elkhorh	Oct. 11-Oct. 15	35	40			75
College Springs ..	Oct. 19-Oct. 22	188	212			400
Fairfield	Dec. 6-Dec. 11	142	130		60	332
Mt. Pleasant	Dec. 13-Dec. 18	250	138	15	20	423
Oskaloosa	Dec. 13-Dec. 18	152	135	60	50	397
Holstein	Dec. 27-Jan. 1	215	100	20	15	350
Avoca	Jan. 10-Jan. 15	150	110	5	30	285
Red Oak	Jan. 17-Jan. 22	150	250	15	55	470
Sioux City	Jan. 17-Jan. 22	115	185			300
Grinnel	Jan. 24-Jan. 29	166	130	72	141	509
Mason City	Jan. 24-Jan. 29	200	105	15	25	345
Charles City	Jan. 31-Feb. 5	75	289	30	75	469
Cedar Rapids	Jan. 31-Feb. 5	100	70	20	25	215
Hopkinton	Jan. 31-Feb. 5	170	140	6	4	320
Marshalltown	Feb. 7-Feb. 12	100	126	12	30	268
Storm Lake	Feb. 7-Feb. 12	207	144	30	50	431
Spencer	Feb. 14-Feb. 19	140	90	12	60	302
Waterloo	Feb. 14-Feb. 19	136	151	12	12	311
Estherville	Feb. 21-Feb. 26	140	95	10	30	275
Eagle Grove	Feb. 21-Feb. 26	170	100	100	160	470
Tabor	Feb. 28-March 5	24	83	4	6	119
Total		3,025	2,826	432	777	7,060

SUMMER SHORT COURSES IN ANIMAL HUSBANDRY.

Place	Date	Men	Women	High School		Total
				Men	Girls	
Clear Lake	Aug. 2-Aug. 7					60
	Total					60

SHORT COURSE IN HORTICULTURE.

Place	Date	Men	Women	High School	Total
Council Bluffs	Feb. 22-Feb. 25				45
	Total				45

SHORT COURSE IN DAIRYING.

Place	Date	Men	Women	High School	Total
Fairfield	Feb. 6-Feb. 11	37			37
	Total	37			37

SHORT COURSE IN DOMESTIC SCIENCE.

Place	Date	Men	Women	High School		Total
				Boys	Girls	
Clear Lake	July 19-Aug. 7		100			100
Eagle Grove	Aug. 2-Aug. 7		70			70
Clear Lake	Aug. 23-Aug. 28		75			75
Burlington	Nov. 3-Nov. 13		150			150
Glenwood	Feb. 28-March 5		90			90
Oscola	March 7-March 12		50			50
Sidney	March 21-March 26		50			50
Leon	March 28-April 2		40			40
Winterset	April 4-April 9		100			100
Shenandoah	April 18-April 23		75			75
	Total		800			800
	Grand total	3,107	3,626	438	777	8,008

NUMBER OF PERSONS REACHED DURING THE SEASON OF 1909-1910.

Short Courses	No. Mtgs.	Men	Women	Boys	Girls	Total
Regular enrolled students	34	3,167	3,626	438	777	8,008
Evening meetings	80					12,000
Visited exhibit cars	16					10,000
Total, counting none twice	130	3,167	3,626	438	777	30,008

NUMBER OF PERSONS REACHED DURING THE SEASON 1909-1910—CONTINUED.

Junior Work	No. Mtgs.	Men	Women	Boys	Girls	Total
Corn and oats				3,265		3,265
Horticulture				799	600	1,399
Household economics					6,433	6,433
Total				4,064	7,033	11,097
Total taking courses, counting none twice						6,399

Other Sources

Special corn trains (number of stops)	193					16,410
Special dairy trains (number of stops)	103					15,550
County station picnics	10					10,000
Farmers institute teachers' meetings and patrons' meetings	550					55,000
Street fairs, local picnics and other meetings	110					12,000
Total, counting none twice	966					108,960
Grand total	1,096					145,307

This does not include explanations and talks given at the State Fair; the district fairs at Sioux City and Mason City, the Iowa Corn Show, the National Corn Show, the Ames Short Course and the many local corn shows attended in the various parts of the state.

This movement is closely connected with the movement for agricultural education in the secondary schools, which has already been referred to under the head of Instruction Work. Agricultural Extension work is in a considerable degree a movement providing for secondary education in agriculture in the various communities of the state which are served by the Agricultural Extension Department. The establishing of secondary education in agriculture in the various localities in the state and in the public schools is but a natural outgrowth of the extension movement. When this is done service will be provided for all communities more completely and more definitely than will be possible under any single system of centrally organized extension work giving a brief period of instruction once a year. It is not probable, however, that the provision for secondary agricultural education will dispense with the need of agricultural extension work. There are certain kinds of agricultural instruction, organization, co-operation and assistance that can be rendered better from the Agricultural College, which naturally stands at the head of the agricultural educational system of the state, than by any other agency.

The Junior Club movement, which has been so successful in several other states, and which has recently been inaugurated in Iowa, is of the greatest importance. It enlists the active interest of farm boys and girls of school age in nature study and in taking courses in agricultural study, in household economics, and in the betterment of rural conditions. We

now have about 7,000 of the boys and girls in Iowa enrolled in this work, and the number will doubtless be more than doubled during the coming biennial period. Former Superintendent E. C. Bishop of Nebraska, who has been carrying on similar work in that state with such eminent success, has been added to our extension staff and will have immediate charge of this work in future.

The demand for short course and domestic science work is increasing from year to year, and has already far exceeded the limitations of our department. It is extremely urgent that additional appropriations be made for enlarging this work during the coming biennial period. Just how much should be asked from the State Legislature can be determined later. A bill is pending in Congress, which has been reported for passage by the Senate Committee on Agriculture, providing for about \$32,000 of federal appropriation for this work, which, in addition to the present state appropriation, would increase the amount to \$64,000 annually. I recommend that an additional appropriation of \$32,000 annually be asked from the Legislature for the Agricultural Extension work, with the understanding that if the bill reported by the Senate Committee on Agriculture providing for federal aid should be passed by the present session of Congress, this additional aid from the state will not be needed.

SUMMARY OF NEEDS.

The additional needs in the way of equipment, buildings and additional support for the several lines of work in the Division of Agriculture are summarized as follows:

Department	Equip- ment	Building	Additional Support
Animal husbandry	\$ 20,000	\$ 76,650	\$ 6,400
Agronomy	5,000	5,000	6,000
Horticulture	3,000	5,000	4,000
Agricultural Engineering	2,500	6,000	3,000
Dairy	3,065		4,000
Agricultural Extension			32,000
Total	\$ 33,565	\$ 92,650	\$ 55,400

Section			
Animal husbandry			\$ 22,000
Agronomy			20,000
Horticulture			6,000
Agricultural Engineering			4,000
Dairy			5,000
Veterinary			5,000
Botany			2,000
Entomology			2,000
Total			\$ 66,000

Detailed statements concerning the items which go to make up these sums and the needs of the several departments for additional support, buildings and equipment will be found in the department and section reports.

All of these askings are put on a conservative basis. If the enrollment of students increases as it has increased in the past biennial period—and indications point to even a larger increase—we shall be compelled to turn away students or do the work in a superficial manner and offer an inferior grade of instruction, neither of which should be tolerated in a state educational institution in Iowa. The American nation cannot hold its rank among the industrial nations of the world except by establishing and maintaining a thorough system of industrial education and the training of its citizenship for the highest service and individual efficiency. This obligation rests not only upon the nation, but upon every commonwealth within the various states, and particularly upon a state like Iowa, whose interests are primarily industrial.

DIVISION OF ENGINEERING.

The following from the report of Dean Marston presents in condensed form the work of the Engineering Division.

HISTORY OF THE ENGINEERING DEPARTMENT.

Engineering was necessarily established at the Iowa State College at the very beginning of its work in order to comply with the National Law, which required that the income from the endowment fund "shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support, and maintenance, of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life." It is clearly apparent from the national law, as quoted above, that the mechanic arts work at Ames was to be of college and professional grade, these words being specifically used, and hence that merely trade-school work would not comply with the law. It would be difficult to state the requirement in clearer language. It was, therefore, absolutely necessary to establish first grade work in engineering at the Iowa State College in order to comply with the national law. The organic law places the engineering instruction in mechanic arts on an absolute par with the instruction in agriculture, and it was as necessary for the state to include the one as the other in starting the work of the College. The requirement for engineering instruction in the organic law was later confirmed by acts of the National Congress and the State Legislature.

In compliance with this plain provision of the organic law, Mechanical and Civil Engineering were established at the State College in 1868, when the first students entered it to receive instruction. The work in Electrical Engineering was added in 1891, at the time when engineering schools were first introducing separate electrical courses.

The next expansions in engineering instruction at the Iowa State College came as a result of specific laws passed by the State Legislature, which required us to introduce courses in Mining Engineering in 1892, and Ceramic Engineering in 1906. An Engineering Experiment Station was similarly added by direct act of the Legislature in 1904, and in the same year another act of the Legislature made the College the State Highway Commission.

ORGANIZATION OF THE ENGINEERING DIVISION.

Thus the Engineering Division is now organized in five departments, namely:

- Mechanical Engineering.
- Civil Engineering.
- Physics and Illuminating Engineering.
- Electrical Engineering.
- Geology and Mining Engineering (having charge also of Ceramic Engineering).

The entire division is under the direction of a Dean, assisted by a Vice Dean, while each of the separate departments has a separate head, responsible to the Dean.

With these departments of the Engineering Division is closely associated the work of the Engineering Experiment Station, while the Engineering and Agricultural Divisions of the College are associated with the work of the Iowa Highway Commission.

ENGINEERING COURSES OF STUDY.

Throughout its history, the work of the Engineering Division has mainly been based upon strong four-year college courses in engineering, the entrance requirements to which have been raised as the progress of those for entrance to the other strong engineering schools of the country made possible. The entrance requirements are the same as try. Of recent years it has been found necessary to offer five-year courses parallel to the four-year engineering courses, and optional therewith. Complete four and five-year courses are now offered in:

- Mechanical Engineering.
- Ceramic Engineering.
- Civil Engineering.
- Electrical Engineering.
- Mining Engineering.

During recent years all the engineering courses have been thoroughly revised and greatly improved in many parts, though without startling change.

ENGINEERING FACULTY.

We have been fortunate during the past biennial period in not losing many of our strong men in engineering. We have a faculty numbering forty, composed of able and faithful men, well trained to work together, and with pride I call attention to their competent service.

DEPARTMENT OF MECHANICAL ENGINEERING.

This department is under charge of Professor W. H. Meeker, who has been connected with the College since 1891. Under him there are five associate and assistant professors, and nine instructors, shop foremen and assistants. The Mechanical Engineering Department gives instruction to all engineering students in the lines of shop work, mechanical drawing and mechanics, and also gives considerable engineering laboratory instruction to the electrical engineering students. Hence, its shop and laboratory buildings are of much importance in its work. The comparatively recent completion of the new machine and forge shops has given the department sufficient space to meet its present shop needs, but additional shop equipment is urgently required in large amount.

The most pressing need of the Mechanical Engineering Department, however, is for a new mechanical laboratory building. Up to the present time the steam laboratory work of this department has been given in the old power station, which is just being abandoned, owing to the near-at-hand completion of the new power station on the other side of the campus. The old building is left in such dilapidated and dangerous condition that it is not safe to continue to occupy it, and it would, moreover, be entirely inadequate to the present needs of the laboratory work of the Mechanical Engineering Department. The need is an extremely urgent one, as all our steam laboratory work this Fall will necessarily be at a standstill until very late in the semester, when the Fires and Lights Department will temporarily reopen this station. If a new building is not supplied next year, we will be practically at a standstill for facilities in this important line of our work, and it is absolutely essential that a new mechanical laboratory should be provided not later than September 1, 1912. I would, therefore, ask that the College architect be instructed to prepare, at once, the necessary outline plans and the necessary estimates of cost to enable authority to be obtained from the next Legislature for the construction of this building at the earliest possible date, not later than 1912, and that the Board of Education obtain such authority from the Legislature. In planning the building, it will be necessary to take account of the needs of the Engineering Division as to engineering laboratory work for a considerable future time, and the building should be made large enough to accommodate all the laboratory work of the Mechanical Engineering Department. A portion of their work is at present carried on in the structural and hydraulic laboratory building, but this entire building will be needed immediately for the work of the Civil Engineering laboratories and that of the Experiment Station. The cost of the new mechanical laboratory building cannot be ascertained exactly before preparation of the architect's estimate, but I should presume \$50,000 would erect the building and provide the building equipment proper. Additional money for its equipment will be needed, and also money for other equipment for the Mechanical Engineering Department.

DEPARTMENT OF CIVIL ENGINEERING.

This department remains under the immediate direction of Dean A. Marston, who has been connected with the Institution since 1892. Under him there are six associate and assistant professors, and two instructors. In addition, this department and the Electrical Department have between them the services of a mechanician.

In the Civil Engineering Department the policy has been adopted of assigning each of the associate and assistant professors to responsible charge of some one line of college work; thus, one professor has charge of structural engineering, another of railway engineering, another of surveying and irrigation engineering, and others of civil engineering laboratory work, civil engineering drawing and descriptive geometry, respectively. Men in charge of these separate lines of work are encouraged to develop new methods and ideas and are given full credit for all that they accomplish. The results secured are extremely satisfactory.

During the biennial period the Civil Engineering Department facilities have been materially improved as a result of the construction of the new Engineering Annex. The work in surveying and in Freshman and Sophomore drawing is now located in this building. An instrument room has been provided on the ground floor, well equipped with instrument lockers. The facilities for instruction in civil engineering laboratory work have also been materially improved. Owing to the transfer of surveying to the Engineering Annex, additional quarters have been available for the laboratory work in the structural and hydraulic laboratory building, and it has been placed under charge of a separate professor with an office in that building. It should be said, however, that the Civil Engineering Department is still in great need of a large amount of equipment. The various professors have submitted detailed lists of needed equipment amounting to over \$18,000.

DEPARTMENT OF PHYSICS AND ILLUMINATING ENGINEERING.

During the biennial period the work in Electrical Engineering has been separated from the work in Physics with which it had been associated ever since its first introduction in 1891. This change was in accordance with a policy which had been adopted many years before of separating the departments whenever their growth made it necessary, and whenever it became possible to provide separate quarters. The construction of the new Engineering Annex during the biennial period has made it possible to bring about this separation. Professor L. B. Spinney, formerly in charge of Physics and Electrical Engineering, was continued in charge of the department of Physics and Illuminating Engineering. Professor Spinney has been connected with the College since 1893. Under him there are two assistant professors and three instructors. In separating the departments, the work in illuminating engineering was continued under Prof. Spinney who had already been doing considerable work in this line in connection with the work in Physics. There is a growing demand for instruction in illuminating engineering which must be met by the engineering schools of the country. There is need of a better

understanding of the physical basis of light production and the means of utilizing advantageously the light developed by modern illuminants. In recognition of this fact, courses in illuminating engineering are now offered by several of the leading engineering institutions of the country. It is proposed to establish at the Iowa State College courses of this character in connection with the regular engineering courses. As a beginning a course in illumination has already been outlined and is now offered as an optional course in the second semester of the senior year in the Civil Engineering, Electrical Engineering and Mechanical Engineering Courses. This course includes a study of the principles and practice of photometry and comparison of the commercial illuminants as to efficiency, color and distribution of light, and an investigation of the methods employed to determine the proper selection and location of illuminants for interior illumination, street lighting, etc. This is a three hour course and includes lectures, recitations and laboratory practice.

The work in Physics is required of all the students in College taking regular four-year courses, except in the Department of Veterinary Medicine, so that the Department of Physics gives instruction to the students in the agricultural courses, in Domestic Science and in General Science as well as to the engineering students. The number of students registered for Physics work during the past biennial period has been very large and has over-taxed the facilities of the department. There is need of greatly increased laboratory space and equipment in order that the department work may be carried on efficiently.

At present the work in Physics and Illuminating Engineering is accommodated in a portion of the first and second floors of Engineering Hall. The present quarters are entirely inadequate for the work of a Physics Department of a large college. In the near future a Physics building should be provided to be used exclusively for the work of this department. It is asked that the State Board of Education include in its list of important buildings to be built from the millage tax a new Physics building, whose estimated cost would be at least \$150,000.

DEPARTMENT OF ELECTRICAL ENGINEERING.

As already stated, the work in Electrical Engineering had been associated with that of Physics until the present biennial period when the two were separated. Professor F. A. Fish, who has been in charge of the work in Electrical Engineering since 1905, was made head of the new department of Electrical Engineering. When Prof. Fish was originally employed by the College, it was with the understanding that eventually this change would be made, but heretofore it was impossible to bring it about, owing to lack of separate quarters for Electrical Engineering work. Under Professor Fish are one professor and one instructor, and the department has the services of a mechanician jointly with the Civil Engineering Department. The number of students per instructor is too large to secure the best results in the laboratory, and at least one new man should be provided in the instruction force of this department. Upon completion of the Engineering Annex, most of

the work in electrical engineering was moved to the new building. The new Dynamo Laboratory is located on the ground floor of the Annex and is one of the best planned dynamo laboratories in any of the engineering schools of the country. Power is received into the laboratory from the general college power circuit, which is an alternating current circuit. This alternating current is received in a motor which drives both alternating and direct current generators for the laboratory. In this way we secure very uniform electric currents for laboratory purposes. All wiring in the new laboratory is placed in concrete trenches underneath the floor.

The Electrical Department is in urgent need of additional electrical equipment for this laboratory, partly for classes of work for which they have no equipment, and partly to provide for taking care of the increase in size and number of classes in laboratory work. The department has submitted a detailed list of equipment needed which amounts to a considerable sum.

DEPARTMENT OF GEOLOGY AND MINING ENGINEERING.

This department is in immediate charge of Vice Dean S. W. Beyer, who has been connected with the College Faculty since 1891. Under him and three professors and one instructor. The work in Ceramic Engineering is also in this department so that it has charge of three important lines of college work.

The Mining Department was established by the Legislature in 1892 but has never yet been provided with the equipment which it should have. The Ceramics Department was established by the Legislature in 1906 and up to the present time it has still less adequately been supplied with equipment. During the present biennial period the completion of the Engineering Annex and of the new Ceramics Building have made possible the more adequate equipment of the departments of Mining Engineering and Ceramics. These departments are of great importance not only by way of giving instruction to engineering students, but also by reason of their vital connection with important state industries. The Mining and Ceramics industries of the State demand special aid from the College in the way of scientific assistance. While the space has been provided in the new building, the equipment is not yet forthcoming and much is urgently needed to make the work what it should be. A detailed list of equipment has been supplied by the departments which shows their needs in this direction.

The work of the departments of Geology, Mining Engineering and Ceramics has an especially close connection with the work of the Engineering Experiment Station. By State Law the College is required to conduct investigations helpful to the Ceramic interests of the State, including both clay working and the cement industries. This matter is further discussed under the report of the Engineering Experiment Station.

NEEDS OF THE ENGINEERING DIVISION AS TO NEW BUILDINGS.

In connection with the separate departments, mention is already made as to part of the needs in connection with new buildings. The pressing needs in order of their urgency are as follows:

A New Mechanical Laboratory.....	\$ 50,000
A New Physics Building.....	150,000
A New Railway Laboratory.....	40,000
A New Wing to the Structural and Hydraulic Laboratory.....	15,000

As has already been stated in connection with the Mechanical Engineering Department above, the need for the immediate construction of the new mechanical laboratory is absolutely imperative, and I place this building at the head of our list of needs. In fact, I do not see how we can continue to do the mechanical laboratory work unless this new building is provided within the next biennial period.

The need for the new Physics building has already been discussed in connection with the Department of Physics and Illuminating Engineering. It is one of the urgent needs of our college, and the date of its construction should be advanced to as early a period as at all possible.

Next to this in importance comes a new railway laboratory. The College already owns two locomotives which have been presented to us, but neither is of any practical value in connection with our engineering work, nor will they be until new quarters are provided in which they can be properly placed. The larger one must be mounted so as to enable its regular use for tests and other instructional purposes. The same railway laboratory should be equipped with an electric railway car and outfit, and should be provided with facilities for testing brakes and other railway appliances.

The new wing to the structural and hydraulic laboratory will be needed within the next six or eight years, and therefore should be considered now.

NEEDS OF THE ENGINEERING DIVISION AS TO ADDITIONAL EQUIPMENT.

Each department of the Engineering Division has submitted a detailed list of needed equipment. Everything contained in these lists is really needed in the departments within next few years. The sum total in round numbers is as follows:

Mechanical Engineering Department	\$15,000
Civil Engineering Department	18,000
Physics and Illuminating Engineering	11,000
Electrical Engineering Department	3,000
Geology and Mining Department.....	7,000

Total\$54,000

The sum of \$10,000 per annum for equipment should be appropriated for the Engineering Division for several years to come.

NEEDS OF THE ENGINEERING DIVISION FOR FACULTY INCREASES.

We should make some material increases in the salaries of our present force. They are able and faithful men who, in general, have been with us for a considerable length of time, so that many of them have well earned promotion. In some instances, also, there should be increases in the instruction forces in the different departments. The result of an itemized estimate is that \$10,000 per annum should be added to the support fund of the College on account of Engineering Faculty increases including both new men and promotions.

ALUMNI OF THE ENGINEERING DIVISION.

During the past year the Dean of Engineering has been carrying on an investigation of the work of the alumni of the Division. A blank form was sent to each man and from the returns and from correspondence with the alumni much exceedingly valuable and interesting data have been obtained. I find that the more successful fraction of our alumni are earning salaries varying from \$2,000 to \$25,000 per annum, and that a much larger number of the alumni attain membership in this successful fraction within a comparatively limited number of years after graduation than I had supposed to be the case. The remaining fraction of our alumni seem, almost without exception, to be earning competencies and to be doing useful and important work. The alumni of the Institution are unusually loyal to their Alma Mater. They are scattered over practically the entire world, but never seem to forget the institution in which they were trained. The College is proud of them and of their work, which constitutes the best possible proof of the nature of the instruction given in the Engineering Division.

PROSPECTS FOR THE ENGINEERING DIVISION.

There is a good future prospect for the prosperity of the Engineering Division. This work is on a thoroughly sound basis, and, while we have participated during the past few years to some extent in the decrease of engineering attendance which has extended over the entire country, affecting practically all of the engineering schools, yet every indication points to a growth in attendance of engineering students beginning in the immediate future. The openings for engineering graduates were never better than they are at present and there is every prospect for the future prosperity of the Engineering Division of the Iowa State College. This Division should receive the hearty support of the State of Iowa.

ENGINEERING EXPERIMENT STATION.

The Engineering Experiment Station has been making encouraging progress throughout the biennial period, as well as during its entire history, but the time has now arrived when there should be a material expansion and more systematic organization of its work. Heretofore its work has been trusted, in the main, to regular members of the Engineering Faculty, aided by one or two low-salaried assistants. Under

these circumstances the investigations necessarily depend upon the exigencies of regular college work, and suffer accordingly. For example, we have had data for three bulletins ready to publish for over a year, waiting until time could be spared from regular college work to write them. From now on a sufficient staff should be employed by the Station to enable investigation to be planned and conducted, and bulletins published, without such delays, and the entire work of the Station should be more carefully systematized than in the past.

THE PURPOSE OF THE ENGINEERING EXPERIMENT STATION.

The purpose of the Engineering Experiment Station is, first to afford a service for the other industries of Iowa, similar to that afforded by the Agricultural Experiment Station to the agricultural industries; second, to assist the urban population of the State in solving the technical problems of urban life; third, to solve the purely engineering problems of the agricultural population and industries of the State.

1. THE MANUFACTURING AND OTHER ENGINEERING INDUSTRIES OF IOWA.

It is doubtless true that Iowa will always remain in the front rank of the agricultural states of the nation, but it is also true that unless she also develops as a manufacturing state she must drop behind in the race for supremacy. It is well known that the population of the State has been stationary for the last decade, and it now seems probable that we are to have an impressive lesson as to the importance of developing the manufacturing industries of our State by having our congressional representation reduced. The fact is that with improvements in agricultural machinery, one man accomplishes more than was formerly possible on the farm, and rural population shows a tendency not to increase in density. If Iowa continues as a purely agricultural state, she must expect to drop behind the other states of the Union in their onward progress in wealth and population.

With our great deposits of coal, clays, cement materials and our other resources, there is no good reason why our agricultural implements should be manufactured in other states, nor why our agricultural products should be forwarded to such states as Michigan for transformation into manufactured forms for consumption. Iowa should develop its own manufacturing industries, in the immediate proximity of the source of supply of raw material and of the ultimate users of the products. Already, such industries are springing up in many towns. The development of manufacturing industries in Iowa, must, in this modern day, depend largely upon scientific research and investigation under Iowa conditions in each industry. There is a great field for possible good here open to the Engineering Experiment Station.

Besides the manufacturing industries of the State, the transportation interests are of very great importance. A large number of people are employed in them, and they are of vital importance to every other industry. There are many technical problems in connection with transportation in Iowa which are proper subjects for study and investigation by the Engineering Experiment Station.

2. THE URBAN INTERESTS OF IOWA.

In addition to its importance in connection with the manufacturing developments of our State, the purpose of the Engineering Experiment Station is to serve the urban population of Iowa. It is certain that over 40 per cent of the entire population of the State, probably 45 per cent, live in cities and incorporated towns and villages. Our urban population has many important problems of life to solve in which the Engineering Experiment Station can be of the utmost service. There must be developed, for example, proper methods of sewage disposal; their paving materials must be tested and the properties thereof ascertained; pure and economical water supplies must be furnished; electric light plants, heating and ventilating systems, power plants, telephone services, etc., must be furnished. In all these lines, the work of the Engineering Experiment Station can be of the utmost value.

3. THE ENGINEERING PROBLEMS OF AGRICULTURAL INDUSTRIES AND LIFE.

It is also the purpose of the Engineering Experiment Station to solve the purely engineering questions of agricultural industries and life. It is fortunate for the State that a strong engineering school is associated with the agricultural school and that all work together in the utmost harmony and unity of purpose. The engineering problems of Iowa must be of especial importance along agricultural lines, and it is only by the united efforts of engineers and agriculturists that they can properly be solved. As illustrations, I may mention the drainage engineering work which is reclaiming a portion of the State of Iowa sufficiently large to exceed in area that of several individual states of the Union. There are also the problems of water supply, sewage disposal, etc., on the farm and in the individual houses, and that of power plants for the farm. One of the most important engineering problems is that of good roads. The transportation problems of Iowa are of importance both to the agricultural population and the city population, and are proper subjects of investigation for the Engineering Experiment Station.

HISTORY OF THE ENGINEERING EXPERIMENT STATION.

Previous to 1904, the Engineering Departments at Ames had been gradually led into investigation work along the lines enumerated above by pressure from the outside in the form of many inquiries for information and requests for assistance from the industrial, urban, and agricultural interests of the State. They had already published some bulletins.

In 1904, the State Legislature established the Engineering Experiment Station by making an appropriation of \$3,000 per year for the next two years. At the next session of the Legislature, this appropriation was made annual and increased to \$3,500 per year. In 1909, this appropriation was increased to \$5,000 per year. While the total sum of money available for the work of the Station has been and remains extremely limited, yet it is felt that unusually good work has been performed and unusually valuable results secured for the funds available. The money available

has been expended with the utmost economy. All general and incidental expenses have been kept down to the utmost possible limit, so that every penny has gone to further the work of the Engineering Experiment Station. We are proud of the record that has been made.

ORGANIZATION.

After the Engineering Experiment Station was established by act of the Legislature, in 1904, the Board of Trustees of the College placed it under the direction of an Engineering Experiment Station Staff consisting of members of the Engineering Faculty. At present the members of this staff are as follows:

- A. B. Storms, President, Ex-Officio.
- A. Marston, Director and Civil Engineer.
- S. W. Beyer, Mining Engineer.
- W. H. Meeker, Mechanical Engineer.
- L. B. Spinney, Illuminating Engineer.
- F. A. Fish, Electrical Engineer.
- A. A. Bennett, Chemist.
- W. M. Barr, Industrial Chemist.
- I. A. Williams, Assistant in Engineering.
- Otto M. Smith, Assistant Chemist.
- F. M. Okey, Assistant Engineer.
- C. S. Nichols, Assistant.

THE WORK OF THE ENGINEERING EXPERIMENT STATION.

The work of the Engineering Experiment Station has developed along two lines: (a) Tests and Analyses; (b) Technical Investigations.

(a) *Tests and Analyses.* We are constantly receiving from the cities, counties, corporations and individual citizens of Iowa, samples of cement, brick, tile, sewer pipe, asphalt, iron, steel, wood, stone, gravel, sand, clay, cement materials, fuels, water, sewage, etc., with the request that we test or analyse them and report the results. The volume of such work is constantly increasing, and more and more the Engineering Experiment Station is coming to be considered the final authority to decide many questions of quality of materials, or the value of fuels, clays and other materials. For such tests and analyses we make low charges, just safely covering the cost of the work.

(b) *Technical Investigations.* The main work of the Engineering Experiment Station, however, is and should be along the lines of technical investigations, with especial reference to Iowa conditions. The possible lines of such investigations have already been mentioned above, under the heading "The purpose of the Engineering Experiment Station." The nature of the work will best be illustrated by some account of the different

Investigation of Iowa Fire Clays are under way.

Sewage Disposal for Cities. Ever since the first sewage disposal plant in Iowa was built by the Iowa State College, in 1898, the Engineering Experiment Station (the Civil Engineering Department, until 1904) has

been conducting systematic investigations along this line, including many tests of Iowa Sewage Disposal Plants, and investigations along new lines.

Sewage Disposal for Private Houses. As the result of five years of experimental work with plants of different types, an expensive sewage purification plant has been developed for private houses. A bulletin describing it is now ready. Work on this subject is still under way.

Tests of Electric Lamps. A large number of tests have been made of electric lamps as actually placed on the market with results showing considerable variation in the quality of lamps of the same nominal rating.

Tests of Grounding Electric Wires. On request of the Iowa Electrical Association, the Station is testing the efficiency of different methods of grounding electric wires.

Tests of Heating and Ventilating Apparatus. This series of tests is planned for the coming year.

Investigations of Iowa Power Plants. The power plants of the State are being studied with a view to ascertaining the most economical apparatus and methods of operation for the development of power. A very great increase in number and magnitude of power plants in the State is to be expected in the future.

Iowa Cycle Gas Engine. An investigation is under way, in co-operation with the Agricultural Department, for the development of a new gas engine cycle, to be known as the Iowa Cycle.

Tests of Iowa Road Materials. Samples of gravel and broken stone from different sections of the State are being thoroughly tested. The work has been under way for over a year, and it is expected to result in a bulletin during the coming year.

Investigations of concrete and concrete materials. Investigations along this important line are constantly under way. The quality and best proportions of sand, gravel and broken stone, the possibility of greatly improving concrete by adding some broken stone to gravel, methods of making concrete impervious, and the shearing strength of concrete are some of the subjects of recent experiments.

Investigation of Iowa Fire Clays are under way.

Ceramic Investigations in general. The completion and equipment of the new Ceramics Building will make possible many investigations demanded by the important Iowa clay and cement industries.

Sanitary Surveys of Iowa Towns. A bulletin is just ready giving the results of many sanitary analyses of wells and city supplies in several Iowa towns, which shows the badly polluted character of much of the well water in the cities of Iowa.

Standard Methods of Testing Tile and Sewer Pipe have been developed by the Engineering Experiment Station, as the results of hundreds of such tests.

Cement versus Clay Sewer Pipe. Material for a bulletin on this important and disputed question is all at hand, ready to be prepared for publication.

Drainage Investigations. For two years, the Station has maintained a tile gaging station in northern Iowa which has yielded more scientific data on tile drainage engineering than ever before collected. We are now establishing five more such stations on typical soil areas of Iowa, as follows: Iowan Drift Soil, Rudd, Iowa; Kansan Drift Soil, Lake City, Iowa; Missouri River Gumbo area, _____, Iowa; Hardpan Subsoil area, _____, Iowa; Southern Iowa Gumbo, Moulton, Iowa.

In these new drainage investigations, the Soils Section of the Agricultural Experiment Station is co-operating by analyzing the soils at successive stages of the investigations, and it is hoped and expected that these scientific tile drainage investigations will prove the most extensive and valuable ever yet undertaken.

BULLETINS OF THE ENGINEERING EXPERIMENT STATION.

A list of the bulletins already published by the Station follows, and will further illustrate the nature of the work already accomplished:

- No. 1. The Iowa State College Sewage Disposal Plant Investigations.
- No. 2. Bacteriological Investigations of the Iowa State College.
- No. 3. Data of Iowa Sewage and Sewage Disposal.
- No. 4. Bacteriological Investigations of the Iowa State College Sewage Disposal Plant.
- No. 5. The Chemical Composition of the Sewage of the Iowa State College Sewage Disposal Plant.
- No. 6. Tests of Iowa Common Brick.
- No. 7. Sewage Disposal in Iowa.
- No. 8. Tests of Dry Press Brick Used in Iowa.
- No. 9. Notes on Steam Generation with Iowa Coal.
- No. 10. Dredging by the Hydraulic Method.
- No. 11. An Investigation of Some Iowa Sewage Disposal Systems.
- Vol. 2, No. 6. The Good Roads Problem in Iowa.
- Vol. 3, No. 1. Tests of Cement.
- Vol. 3, No. 2. State Railroad Taxation.
- Vol. 3, No. 3. Steam Generation with Iowa Coals.
- Vol. 3, No. 4. Incandescent Lamp Testing.
- Vol. 3, No. 5. Steam Pipe Covering Tests.
- Vol. 3, No. 6. The Assessment of Drainage Districts.
- Vol. 4, No. 1. Tests of Iowa Limes.
- Vol. 4, No. 2. Holding Power of Nails in Single Shear.
- Vol. 4, No. 3. Miracle Contest Papers for 1908.
- Vol. 4, No. 4. Tests and other investigations of cement drain tile and sewer pipe. (In preparation.)
- Vol. 4, No. 5. Miracle Prize Papers for 1909.
- Vol. 4, No. 6. Sewage Disposal for Private Houses.
- Vol. 5, No. 1. Sanitary Examination of Water Supplies.

VALUE OF THE ENGINEERING EXPERIMENT STATION TO IOWA.

Such work as is already under way is of very great value to the State, but we feel that as yet we have hardly entered upon the edge of the ultimate field of the Engineering Experiment Station work. We see numberless opportunities for valuable technical investigations which we must pass by for lack of resources.

This is the day when scientific research must be called in to assist all industries, as is witnessed especially by the great success of German methods. Engineering experiment stations are being established in state after state, and Iowa, which had one of the first two such stations, should not fall behind.

PRESENT EXPENDITURES.

The present annual appropriation for the Engineering Experiment Station is \$5,000, which is expended approximately as follows:

Director, part salary	\$ 250.00
Assistant Engineer	1200.00
Industrial Chemist, part salary	100.00
Assistant in Chemistry, ½ time	500.00
Assistant, part salary	300.00
	<hr/>
Total salaries	\$2350.00
Expenses of investigations, and of publishing and mailing bulletins	2650.00
	<hr/>
Total expenditures	\$5000.00

In addition to the above, there are receipts and expenditures amounting to a few hundred dollars for tests made for private parties.

NEEDS OF THE ENGINEERING EXPERIMENT STATION.

The time has now arrived when it is wise to extend the work of the Engineering Experiment Station beyond that already undertaken. An examination of the above budget will show that after paying salaries we have only \$2650 per year available for actual scientific investigation and testing. The salaries, too, are not such as can secure men able to go ahead themselves with scientific investigations. The highest salary paid entirely from this fund is only \$1200 per year. The salaries already paid secure men capable of doing routine work, and it is essential that we continue to have such men, but we should now, in addition, be able to provide a salary of at least \$2000 for one new man, capable of planning and carrying out original scientific investigations along lines such as those already described. In addition, there should be at least \$3000 per year available for the actual expense of conducting investigations.

Of especial importance in the next two years will be the ceramic investigation work. The law of the State of Iowa requires us to undertake such work. The State has now provided a building which is adequate for such investigation work. Three thousand dollars would be a small sum to devote to such investigation alone.

The question of the publishing and mailing of our bulletins is also one which should now receive increased attention. We plan the immediate preparation of a classified mailing list and much more frequent publication of bulletins than has heretofore been possible. The expenses of such publication and of mailing bulletins will be much larger in the future than in the past.

The next Legislature is therefore asked to increase the annual appropriation for the Engineering Experiment Station from \$5000 to \$10,000 per annum.

THE IOWA HIGHWAY COMMISSION.

HISTORY OF THE COMMISSION.

Up to the meeting of the General Assembly of 1904, the college, through both the Engineering and Agricultural Divisions, had been interested in investigations and experiments to determine if possible some way out of the hopeless road conditions that prevailed in the state every spring and often through the fall and winter. This interest had resulted in considerable correspondence with state and federal officers and departments, in one or two experimental stretches of roads, and in the gathering of considerable data by the engineering students on the tractive resistance of all classes of country roads and city pavements. There was also begun at this time a traffic census showing the amounts and kinds of traffic over the roads of the state.

This preliminary work resulted, when a measure was strongly supported to establish a state highway department, in a law passed April 13, 1904, constituting the Iowa State College a Highway Commission for the State and defining its duties. This law is unique in that it is the first passed by any state that turned over the activity of the state in highway matters to any institution or state department already organized. That the idea has been a popular one is well evidenced by the states which have followed the same policy. Illinois established her state department with President James of the University as chairman of the commission; Missouri put the work under the Board of Agriculture at Columbia, where the Agricultural College and State University are located; Kansas has appointed a highway engineer to act under the Extension Department of the State College; Wisconsin put the work under the State Geological Survey, which is closely affiliated with the University; Nebraska has begun preliminary work under the direction of the State College; Montana, through the Engineering Department, is doing the only state work attempted; Oregon, through the Engineering Department of the college, has published some bulletins dealing with highway matters; Washington has established a chair of highway engineering in the University and has erected a building for the exclusive use of this department. Added to these are many of the remaining western and southern states which have already begun tentative or preliminary work looking to its establishment on a broader basis under direction or supervision of their colleges or universities.

THE HIGHWAY COMMISSION LAW.

(Chap. 4, Title XIII, Code.)

The duties defined, by law in outline are as follows:

1. To devise and adopt plans and system of highway construction and maintenance suited to the needs of the various counties.
2. To conduct demonstrations in road building.
3. To distribute information and advise the county road officers.
4. To keep records and report annually to the Governor.

These broad general principles have been followed out in every particular, until now the calls for aid from the Commission by the counties and townships far exceed the possibilities of our small organization and limited appropriation.

ORGANIZATION OF THE HIGHWAY COMMISSION.

The general assembly constituted the college, the Highway Commission. In carrying out the provisions of this law the board of trustees placed the work under the charge of the Deans of the Division of Engineering and Division of Agriculture, who act as Directors of the Commission.

A Highway Engineer was at once employed to have immediate charge of the work, and the staff employed has gradually increased with the growing demand for assistance made upon the commission by the road officers of the state. The present organization is as follows:

Dean A. Marston, Dean C. F. Curtiss, Directors; Thos. H. MacDonald, Highway Engineer; J. B. Davidson, Mechanical Engineer; J. E. Kirkham, Consulting Bridge Engineer; C. S. Nichols, Assistant Engineer; Miss N. M. Beach, Secretary.

In addition, a number of draftsmen and road experts have been employed at different times as the work has demanded.

RECEIPTS AND EXPENDITURES.

The annual receipts and expenditures of the Iowa Highway Commission are approximately as follows:

State Appropriation	\$5,000
Highway Engineer	\$2,000
Bridge Engineer (part salary).....	300
Assistant Highway Engineer	900
Total salaries	3,200
For road investigation, preparation of plans, and specifications, tests, printing and distributing bulletins, office and traveling expenses, etc.....	1,800

\$5,000

We find it almost impossible to keep the expenses of the department down to the extremely small appropriation of the department. We believe the amount appropriated to the Iowa State Highway Commission to be less than that granted to the commission of any other state. We find it impossible to afford the assistance asked by Iowa road officers with the present funds.

THE WORK OF THE HIGHWAY COMMISSION.

Beginning in 1904, the work of the commission after the first two years was largely devoted to general investigation of the road conditions in Iowa. Detailed studies of the individual counties were made and all parts of the state were visited. As a result of this detailed study, the commission decided to investigate two main lines of work.

First: Permanent bridges and culverts.

Second: The best use of Iowa materials for improvement of Iowa roads, without increased road taxes.

In addition it was thought an important part of the work of the commission to spread the gospel of good roads throughout the state by every legitimate and practicable means, so a third line of work consisted in the publication of bulletins and attendance at good roads meetings, etc.

BRIDGE WORK OF THE COMMISSION.

The commission from the beginning has advocated the construction of permanent concrete culverts and small bridges, of heavy, well designed, steel bridges, or of concrete arches for the larger structures. The commission has prepared standard plans and specifications for culverts and bridges which have been distributed free of charge to Iowa road officers. Our standard plans have not only been used in the state but have also attracted favorable notice in the surrounding states.

As evidenced by the extent of our work in this direction it may be said that during the past year we have furnished plans and specifications for structures ranging in size from a small reinforced concrete culvert up to large reinforced concrete arches and steel spans 130 ft. long, in eighty-seven separate instances. Our assistance in one individual bridge saved to the county assisted more than the entire annual appropriation for the Highway Commission.

ROAD DESIGN AND CONSTRUCTION.

In the matter of improvement of the roads themselves, as distinguished from the bridges and culverts, the most feasible means at hand seemed the construction of well designed earth roads and their maintenance by the use of the road drag, with the addition of gravel as a possibility in some instances.

From the beginning of our work, therefore, we have spread the gospel of the King Road Drag, by the means of good roads trains, by the publication of bulletins, and by advocacy at good roads meetings.

We feel that great improvement is being made in the earth roads of Iowa by the means which we have advocated, and that much of this improvement is due to our continued efforts. The various "River-to-River" roads which have been developed in the state within the past year are the latest development of the earth road movement in Iowa and show what can be accomplished by organized, systematic effort, if such effort can be maintained in the future.

In our work we have developed standard plans for earth and gravel road construction, and in Poweshiek County the supervisors have adopted our plans and employed a permanent road gang as recommended by us. They are accomplishing much for the improvement of roads without increasing the taxation in the county in the least.

In several instances the commission has superintended the construction of roads for local road officers. Some of these instances are as follows:

Orange City-Alton Road: Here a three mile road was graded between the two towns under the supervision of the Commission.

Army Post Road (Polk County): The Commission made the survey, plans and profile for the grading and surfacing of this road, from the city of Des Moines to the Fort.

Ruthven Road: An earth road one-half mile long was graded out of Ruthven under plans and superintendance of the Commission.

Extra Road: The Commission was called in to advise the best method to use in improving this road.

Cedar Rapids-Marion Road: The Commission was called in to advise the best method to use in re-surfacing this macadam road and preventing dust.

ROAD BULLETINS AND MEETINGS.

The Commission has published and distributed about 50,000 copies of various bulletins. However, our work in this direction has been seriously hindered by lack of funds. The Commission is constantly called upon to supply speakers for road meetings. For the year from July 1909 to June 1910, over 125 trips were made on work and to attend meetings. We are constantly in receipt of such requests and have more than we can possibly meet.

EXPERIMENTAL WORK ON COLLEGE CAMPUS ROADS.

The Commission has secured the co-operation of the United States Agricultural Department, of one of the large companies manufacturing artificial asphalt road material, and of the Iowa State College, in conducting an interesting series of road experiments on the campus at Ames. The donation of a carload of artificial asphalt binder was secured, and the college is mixing this with gravel by different methods, on various sections of the campus roads, under the immediate direction of an expert furnished by the United States Agricultural Department.

IMPROVED ROAD LEGISLATION.

As a result of its six (6) years of work, the Commission is strongly of the opinion that the road laws of Iowa can be materially improved in such a way as to bring about the State, together with the construction of well drained and graded earth roads on all the main traveled highways, without increasing the present road taxes of the state. In many cases these roads can afterwards be surfaced with gravel of the local kind.

In addition the laws should be amended so as greatly to improve the present extremely undesirable situation as to the construction of bridges and culverts.

PRESENT NEEDS OF THE COMMISSION.

As already stated, it is impossible for the Commission to fulfill the duties prescribed by law, with the funds at present available. We are unable to meet many requests for assistance. At times the Commission finds itself without the necessary money to buy postage stamps to carry on its correspondence. During the past year we have been obliged to cut down our force of well-trained men and thereby materially injure the work of the Commission.

An appropriation of at least \$10,000 per annum is needed to enable the Highway Commission to perform the duties prescribed to them by law.

DIVISION OF VETERINARY MEDICINE.

Undoubtedly the primary object of establishing this Division was to afford an opportunity for those who wish to study Veterinary Medicine and to deal with problems of livestock sanitation in this State. The former, however, is the only mission this Division has attempted to fulfill. The benefits of the Division should be more far-reaching than this, because we fail in our mission if we become nothing more or less than administrators of medicine to animals.

It is our ambition and aim to develop the Division of Veterinary Medicine and concurrently the veterinary conditions of this State so that they will be on a par at least with those in other states, many of which have not the extensive livestock interests of Iowa, yet have a much more complete system of livestock sanitation. It is evident that Iowa should protect its interests by guarding against animal scourges, and for this reason, if for no other, the Division of Veterinary Medicine should be in closer touch with livestock interests and co-operate with these interests in questions of sanitation. The Division should be in position to carry on investigations of various animal diseases, their treatment and prevention. It should be able to add to the efficiency of the veterinarian practicing his profession. It should add to the livestock man's knowledge of sanitary science, so that contagious animal diseases may be more effectively combated. It should co-operate with the State Department of Agriculture in the matter of livestock sanitation, minimizing the loss from epizootic diseases and thus enhancing the livestock valuation. It should be equipped to carry on investigations, especially of problems of comparative medicine and be of service to the public health by furnishing information regarding diseases intercommunicable between animals and man.

QUARTERS.

In the fall of 1908 at the time of Dr. J. H. McNeill's resignation, who, by untiring efforts, had brought the Division up to its high standard at that time, the Department had but two lecture rooms which were poorly

equipped and two offices for the four Veterinarians then composing the faculty. No new quarters had been arranged for at that time. A new building was, however, immediately planned to cost \$150,000.00. This one feature marks the greatest step of progress which the Division has probably ever made. This building should be supplemented by another costing between \$2,000 and \$3,000, to be used as a contagious ward, because animals effected with contagious diseases when arriving at the Hospital, as well as those showing symptoms of such diseases while being treated for other ailments, must be removed to a separate building.

EQUIPMENT AND FURNITURE.

The equipment for the new Veterinary Building must necessarily, to some extent, be estimated. Considering that all permanent fixtures are provided from the sum set aside for the erection of the building, it is possible that with the utmost economy the building can be furnished and the department supplied with equipment befitting its enlarged quarters for the sum of \$35,000. The University of Ohio has lately erected a clinical building costing \$90,000 for horses, small animals and for the pathological department. Their other departments were in a building already equipped, and yet it was found necessary to expend \$40,000 in putting their equipment as a whole into proper shape. Estimating from their figures, \$35,000 is a conservative sum with which to furnish our new \$150,000 building and build the present meager department equipment into reasonable condition.

FACULTY.

At the close of the last biennial period it became clearly apparent that all the subjects in the veterinary course could not be thoroughly taught on account of lack of equipment and teaching force, consequently it became necessary to materially strengthen the faculty. A vacancy having been created by the resignation of Dr. Madson, two new veterinarians were employed. Dr. Dimock, who is a graduate of the Veterinary College of Cornell University, and who had had four years' experience in Cuba in sanitary work, was placed in charge of pathology and experimental work. The wisdom of this selection has been demonstrated by the character of his work and his standing with the students. He is an exceptionally strong man in his particular line of work. Dr. Murphy, who is a graduate of the Ohio State University Veterinary Department, is an untiring worker, and with the facilities for presenting his work which will come with the new building, he will be in a position to render exceedingly good service.

The work in this division has been divided to a somewhat greater extent than formerly by separating it into departments, with a major and minor subject in each. The method of assigning subjects without due regard to their correlation has been eliminated.

While the faculty at the present time is probably better qualified to carry on the work of this division than it has been at any time in the past, it nevertheless will be impossible for us to retain the present efficient men without an increase in salary. Apparently Iowa has never

appreciated the fact that veterinary medicine is still in its infancy, but is developing rapidly, and as a consequence successful teachers in its various lines of work are very difficult to secure. It has also been little, if at all, appreciated, that in securing veterinarians we are securing the services of professional men and in the past have been doing so at non-professional salaries. The history of this division will very plainly show that it has been largely a training school for other institutions. In other institutions, as a man grows in proficiency and gains in ability his salary is increased correspondingly, while here it has been the policy to secure a man, allow him to develop to a certain degree of proficiency and then allow some other institution to secure his services. This will continue until the salaries of the members of the veterinary faculty are placed on a basis equal to those of other similar colleges in this country.

The following shows the present faculty and their salaries:

	Support fund	Experiment station	Total
Dean	\$ 1,600	\$ 400	\$ 2,000.00
Anatomist	1,800		1,800.00
Pathologist and experiment station veterinarian	900	900	1,800.00
Physiologist	1,600		1,600.00
Surgeon	1,600		1,600.00
Pharmacist	250		250.00
Assistant			
Total	\$ 7,750	\$ 1,300	\$ 9,050.00

In case the Experiment Station work is separated from that of the department, as is contemplated, it would mean that the cost of maintaining the faculty on the present basis would be \$7,750.00 annually. Comparing this with a similar department organized on a similar plan in another institution, we find there a

Dean	\$ 2,750.00
Professor of Anatomy	2,750.00
Professor of Surgery	2,500.00
Associate Professor of Pathology	1,800.00
Associate Professor of Pharmacology	1,800.00
Assistant Professor of Anatomy	1,800.00
House Surgeon	600.00
Assistant in Pharmacology	450.00
Total	\$ 14,450.00

Since then the three first salaries have been raised \$250.00 each and the fourth has been increased \$200.00. This means \$950.00 additional, totaling \$15,400.00 for salaries for the Veterinary faculty at the Ohio State University.

Successful teachers of veterinary medicine are difficult to find, and desirable men will not remain long for the salaries they receive here. By this constant change the Division is rendered more or less unstable and becomes in a large degree a training school. With an average of four veterinarians on the faculty, which has been the case until the last year, in the past sixteen years there have been twenty-four different veterinarians on the faculty, or six complete changes, or a complete change on an average of every two and one-half years. In order to place the faculty on a satisfactory basis, we should have the following:

Dean	\$ 2,750.00
Professor of Pathology.....	2,500.00
Professor of Anatomy.....	2,300.00
Associate Professor of Surgery.....	2,000.00
Associate Professor of Physiology.....	2,000.00
Associate Professor of Bacteriology.....	1,500.00
House Surgeon and Assistant.....	1,250.00
Pharmacist	400.00
Total	\$ 14,700.00

This increase of about \$7,000.00 may seem large, but nevertheless it is necessary in order to put the Veterinary Division in position to serve as it should the live stock interests of Iowa. A Bacteriologist will be necessary in the new quarters. Bacteriology is one of the most important lines in connection with our Veterinary course and should be taught by a person who has had special training in this particular line of work. Dr. Buchanan, who has general charge of the bacteriological work of the College, considers it absolutely necessary that a specially equipped veterinary bacteriologist should be employed in order that the work may be satisfactorily presented.

We have at present a department assistant, without salary, teaching two hours per week and helping in clinics. His only remuneration is the fees he collects in outside practice. This man should be placed on a reasonable salary. We cannot hope to command his services for any length of time on any other basis.

A similar comparison of the salaries of the men in this department with those paid in the other departments of the institution will show both the necessity and the justice of a larger salary fund in this division, if high standards and the most efficient work are to be realized.

The *four-year* course of study in Veterinary Medicine was established in this institution several years in advance of any similar course in any other college. Last year this course was revised so that future graduates will be more strongly grounded in science than those of the past. Each will possess a practical knowledge of the sciences necessary in his chosen work, and not merely a mass of general information concerning a great many different lines of work.

ENTRANCE REQUIREMENTS.

Until within the last year the entrance requirements of this division were indefinite and it became necessary as a result to request several students to leave the institution because of insufficient preparation. The

entrance requirements have been advanced and placed on the level required for other departments of this institution. As a result, perhaps we will suffer considerably in number of students. This became evident when at the beginning of the last school year we required students not graduates of high schools to take an examination equivalent to a second grade civil service examination. This requirement caused several applicants to not appear for examination, while a number of others failed, thus reducing our freshman class considerably in point of numbers. For the next school year it may be expected that the number will decrease even over last year, but in the end the standing of the Division will be elevated on account of the quality of work done and the character of the men which it graduates.

Very few or practically no investigations have been carried on in connection with this Division during the last several years. A few outbreaks of contagious animal diseases have been worked out, but the members of the Veterinary faculty have been overtaxed with teaching work and consequently the less imperative work of investigation has necessarily been impossible. There is, however, much room for development along this line, and possibilities of greater results than in any other line of work.

SANITATION.

No other State in the Union, probably, with such vast live stock interests is in greater need of education along sanitary lines. It is estimated that there is an annual loss in the United States of over \$250,000,000 from preventative animal diseases alone. It is estimated that Iowa has \$358,378,000 worth of live stock, which is a great deal more than most of the other States in the Union. A large percentage of the losses incurred can be prevented by careful investigations of the various animal diseases by co-operation with the State Department of Agriculture in the matter of live stock sanitation and by helping the stock men into a knowledge of sanitary science. Interest is also being awakened along the lines of meat and milk inspection, and frequent demands are made for lectures on these subjects. We should be in a position to supply these wants so far as possible.

IN CONCLUSION.

The most urgent needs of the Division are equipment for the new building and the department, additions to the teaching force and such increase in salaries as will enable the College to retain the services of its most efficient men.

All of which is respectfully submitted.

A. B. STORMS,
President.

FINANCIAL REPORTS

IOWA STATE COLLEGE—SECRETARY'S REPORT.

TO THE BOARD OF EDUCATION :-

It is the purpose of this report to furnish to your honorable body and to the Legislature of the State a statement showing:-

I. The value of the College plant.

II. The receipts and expenditures on account of the different College funds during each year of the last biennial period, together with a statement of the present condition of each of these funds.

III. The available funds for the next fiscal year and the budgets adopted by your honorable body appropriating these funds to the support of the different lines of College work.

COLLEGE PROPERTY.

The following summary of the department inventories gives the value of the college property at the close of the last biennial period:

SUMMARY OF COLLEGE INVENTORIES.

Farm proper, 660.38 acres at \$125.....	\$ 82,547.50
Dairy Farm, 200 acres at \$125.....	25,000.00
Experiment Station Grounds, 60 acres at \$125.....	7,500.00
Plot for Horticultural Experiments, 13 acres at \$125.....	1,625.00
Orchard and Arboretum, 25 acres at \$125.....	3,125.00
Horticulture and Forestry, 55.50 acres at \$100.....	5,550.00
Colleg Campus, 125 acres at \$150.....	18,750.00
College Park, 37 acres at \$100.....	3,700.00
	<hr/>
Total for 1,175.88 acres.....	\$147,797.50
Buildings:	
Central Building	\$381,425.50
Hall of Agriculture.....	340,000.00
Margaret Hall	54,000.00
Morrill Hall	35,000.00
Chemical Building	33,000.00
Music Hall	4,500.00
Chime and Clock Tower.....	6,650.00
College Hospital	9,000.00
Office Building	6,700.00
Book Department Building.....	2,500.00

BUILDINGS—Continued.

Engineering Hall (not including furnishings)....	195,000.00
Structural and Hydraulic Laboratory.....	25,000.00
Carpenter Shop	7,000.00
Forge Shop	5,000.00
Foundry	5,000.00
Machine Shop	18,000.00
Power Station	2,500.00
Old Pumping Station.....	1,000.00
Fire Department Building.....	150.00
Central Heating Plant.....	35,000.00
Greenhouses	19,000.00
Horticultural Laboratory	8,000.00
Veterinary Hospital	10,000.00
Agricultural Engineering Hall.....	110,000.00
Dairy Building (including equipment).....	72,000.00
Horticultural Barn	5,500.00
Cattle Barn	15,000.00
Feeding Sheds	2,500.00
Farm Crops Tool Shed.....	500.00
Experiment Station Barn.....	18,000.00
Horse Barn and Stock Judging Pavilion.....	15,000.00
Corn and Stock Judging Pavilion.....	15,000.00
Hog House	1,500.00
Movable Hog Houses.....	150.00
Sheep Barn	1,400.00
Field shed	300.00
Dairy Farm Buildings.....	12,000.00
Dairy Farm House.....	2,500.00
Poultry Farm Buildings.....	9,000.00
Carpenter Shop	475.00
Residences occupied by:	
President	\$ 12,000.00
Professor Curtiss	4,500.00
Professor Beach	5,250.00
Professor Mortensen	2,250.00
Professor Meeker	2,250.00
Professor Summers	2,250.00
Professor Noble.....	2,750.00
Professor Stanton	5,000.00
Professor Marston	4,500.00
Farm Foreman	1,800.00
House formerly occupied by Custodian.....	1,800.00
Experiment Station Foreman.....	1,200.00
Farm Laborer	800.00
Laborers' Boarding Club.....	500.00
Faculty Boarding Club.....	5,000.00
Superintendent Sloss	6,500.00
Total Buildings	\$1,542,600.50

General Equipment:

Waterworks, including water tower, deep well, pumping machinery, reservoir, fire pump and piping system	\$ 46,500.00
Old Power Plant, including boilers, four high-speed engines, piping, boiler and engine room appliances, etc.	12,000.00
New Heating Station, including two 250 H. P. boilers and two 500 H. P. boilers, with mechanical stokers and induced draft apparatus, one 250 H. P. Corliss engine, directly connected with generator, three boiler feed pumps, feed water heater and piping system, and other power plant apparatus	23,000.00
Electric light, including switchboard appliances, pole line and transformers.....	9,000.00
Heating tunnel, complete with steam and return mains	36,000.00
Sewerage system	8,000.00
Sewage Disposal system.....	3,500.00
Fire Department	1,000.00

Total general equipment..... **\$139,000.00**

Experiment Station Equipment:

Agricultural Engineering section.....	\$ 1,025.65
Animal Husbandry section.....	7,057.27
Botany section	1,192.24
Bulletin section	1,597.70
Chemistry section	489.06
Dairy section	729.91
Dairy Farm section.....	1,024.40
Engineering Experiment Station.....	2,694.12
Entomological section	1,449.39
Farm Crops section.....	1,989.71
Horticultural section	451.45
Photo section	2,828.91
Poultry section	1,261.49
Soils section	4,078.05
Veterinary section	783.63

Total station equipment..... **\$ 28,652.98**

DEPARTMENT EQUIPMENT.

1909-1910.

Agricultural Dean's office (including trophies valued at \$3,300)	\$ 3,537.40
Agricultural Engineering	7,373.52
Agricultural Extension	5,823.00
Animal Husbandry	1,674.37

DEPARTMENT EQUIPMENT 1909-1910—Continued.

Bacteriology	3,261.39
Botany	27,385.01
Chemistry	22,485.60
Civil Engineering	11,050.31
Dairy	4,776.52
Dairy Farm	9,645.26
Domestic Economy	1,452.19
Electrical Engineering	15,286.24
Engineering Dean's office.....	529.20
Farm	49,128.40
Farm Crops	4,912.10
Horticulture	2,537.08
Good Roads	7,675.78
English	82.00
Secretary's office	110.00
Junior College Dean's office.....	100.00
College Hospital (including furnishings).....	1,370.57
Library	108,618.00
Mechanical Engineering	45,654.19
Mining Engineering	13,375.10
Military	295.00
Music	2,311.20
Physics	18,729.34
Poultry	2,073.79
Public Grounds	1,330.12
Purchasing Committee	6.00
Soils	3,316.60
Veterinary	3,114.84
Zoology	19,401.21
Treasurer and Registrar's office.....	61.00
Chimes and Clock	9,000.00
Pipe Organ	2,000.00
Carpenter Shop, Tools, Horse and Wagon.....	360.00
Total Department Equipment.....	\$409,842.33

Furnishings in College Buildings:

Central Building	\$ 32,000.00
New Agricultural Hall.....	33,117.33

Engineering Hall:

Civil Engineering Department.....	8,020.20
Mining Engineering	4,416.32
Mechanical Engineering Department.....	2,455.20
Physics Department	4,545.54
Engineering Annex	3,247.33
Old Engineering Hall	874.68
Agricultural Engineering Hall.....	4,791.10
Morrill Hall	366.25

FURNISHINGS IN COLLEGE BUILDINGS—CONTINUED.

Margaret Hall	789.00
President's House	1,641.80
Music Hall	117.20
Chemistry Building	1,746.80
Office Building	331.50
Dairy Farm, office and sleeping rooms.....	145.95
Poultry Farm	99.00
Horticultural Laboratory	44.25
Farm Department, Superintendent's office and sleeping rooms occupied by men in charge of stock	125.85
Stock and Grain Pavilion.....	194.50
Equipment Station Barn	131.00
Total Furniture	\$ 99,200.80
Total College Property.....	\$2,367,194.11

RECEIPTS FOR THE BIENNIAL PERIOD.

These are classified according to their sources.

I. EDUCATIONAL SUPPORT FUND.

	1908-1909	1909-1910
From National Government—		
Endowment fund	\$ 84,216.91	\$ 84,412.98
Morrill fund	85,000.00	40,000.00
From State—		
Consolidated annual appropriation	135,000.00	135,000.00
Additional appropriation of Thirty-second Gen. Assembly	20,000.00	20,000.00
Additional appropriation of Thirty-third General Assembly	3,090.60	40,000.00
Interest on treasurer's balances		1,468.19
Annual appropriation for purchase of books and periodicals for college library	2,915.10	4,900.00
Annual appropriation for library cataloguer.....	600.00	600.00
From donations—		
Rental on donated land	6.20	4.20
Clay fund for support of agricultural journalism.....	187.49	550.00
Totals.....	\$ 290,968.80	\$ 276,985.87

II. STUDENT FEES AND TUITION.

Janitor fees	\$ 25,054.20	\$ 23,996.70
Agricultural engineering	1,406.25	1,454.50
Animal husbandry (including short course)	2,992.00	2,705.00
Bacteriology		554.00
Botany	1,187.85	704.20
Chemistry	5,903.70	5,419.37
Civil engineering	1,199.50	1,458.50
Dairy (including short course)	1,561.00	1,653.55
Diploma account	1,190.00	1,135.00
Domestic economy (including short course)	856.00	924.00
Electrical engineering	2,378.18	474.00
English	850.75	739.35
Farm crops (including short course)	1,778.50	1,001.50
Graduate class for binding theses (credited to library).....		158.25

II. STUDENTS FEES AND TUITION—CONTINUED.

	1908-1909	1909-1910
Horticulture (including short course)	275.95	371.75
Physics and illuminating engineering		2,253.40
Public speaking and physical culture	196.00	180.00
Mechanical engineering	3,524.97	2,889.20
Mining engineering		45.00
Music (including rental of pianos)	236.00	253.64
Pipe organ rental (credited to fires, lights and incidentals)		47.30
Re-classification (credited to fires, lights and incidentals)	94.00	87.00
Special examinations (credited to library)	164.50	430.00
Special students		220.00
Soils (including short course)	622.50	312.50
Tuition from students residing outside of state	6,191.67	6,098.34
Veterinary	1,220.75	1,133.50
Zoology	737.96	945.10
Totals	\$ 59,625.22	\$ 58,244.65

III. SCHOLARSHIP FUNDS.

Agricultural fellowship fund	\$ 735.00	\$ 300.00
Iowa State fair scholarship	500.00	950.00
Engineering scholarship		100.00
Totals	\$ 1,235.00	\$ 1,350.00

IV. AGRICULTURAL EXTENSION WORK.

From State—		
Balance of annual appropriation of 1907-8	\$ 5,500.00	
Annual appropriation	27,000.00	\$ 32,000.00
Totals	\$ 32,500.00	\$ 32,000.00

V. EXPERIMENT FUNDS.

	1908-1909	1909-1910
Agricultural Experiment Station—		
From National Government—Hatch act	\$ 15,000.00	\$ 15,000.00
From National Government—Adams act	11,000.00	13,000.00
From State—Annual appropriation	27,250.00	40,000.00
Live stock experimentation	5,000.00	
Engineering Experiment Station—		
From state, annual appropriation	3,809.00	5,000.00
Good Roads Experimentation—		
From state, annual appropriation	5,000.00	5,000.00
Totals	\$ 67,059.00	\$ 78,000.00

VI. BUILDING AND EQUIPMENT FUNDS.

From State (drawn from State Treasury)—		
Annual repair and contingent fund	\$ 25,678.55	\$ 36,000.00
Annual special building tax	142,134.85	78,917.80
Central heating plant	27,000.00	7,475.23
Agricultural hall furniture	416.56	18,510.00

VI. BUILDING AND EQUIPMENT FUNDS—CONTINUED.

Dairy building farm and equipment	436.11	
Machine shop	1,505.98	
Water system improvement	5,000.00	
Walks and grading—		
Old appropriation	350.00	
New appropriation	714.68	5,784.11
Engineering annex furniture .....	.45	2,786.88
Pure bred stock purchase—		
Old appropriation	657.85	
New appropriation	1,292.45	5,133.96
Equipment of departments—		
Old appropriation	492.32	
New appropriation	4,772.08	6,705.63
Totals from state	\$ 210,451.71	\$ 161,618.70
From Students and Others (credited to room rent account)—		
Rental of rooms	\$ 1,667.74	\$ 2,117.97
Sale of wreckage	507.26	
Net receipts from custodian's store room		52.36
Damage charged students	9.75	1.00
Damage on Hall of Agriculture by drayman		25.00
Totals from all sources	\$ 212,636.46	\$ 163,815.53

SUMMARY OF RECEIPTS.

I. Educational support funds	\$ 230,966.30	\$ 276,935.37
II. Fees and tuition	59,625.22	58,244.65
III. Scholarship funds	1,235.00	1,350.00
IV. Agricultural extension work	32,500.00	32,000.00
V. Experiment funds	67,059.00	78,000.00
VI. Building and equipment funds	212,636.46	163,815.53
Totals	\$ 604,021.98	\$ 610,345.55

The foregoing statement of receipts differs from the treasurer's statement in that it does not include fees refunded, or sales of departments.

EXPENDITURES FOR THE BIENNIAL PERIOD.

These expenditures are classified under such headings as will show most clearly the cost of the different lines of work and the investment in buildings and equipment.

The following are the main headings, with the expenditures under each:

1. College educational work	\$287,263.79	\$328,740.89
2. Agricultural extension	28,550.54	33,424.16
3. Experimentation	64,335.85	73,265.57
4. Buildings and equipment	210,535.20	166,407.54
Totals	\$590,685.38	\$601,838.16

The balance sheet for the biennial period shows as follows:

RECEIPTS.	
Cash on hand July 1, 1908	\$ 27,322.83
Receipts for 1908-9 on college accounts	604,021.98
Receipts for 1909-10 on college accounts	610,345.55
Total	\$ 1,241,690.36

FIRST BIENNIAL REPORT

EXPENDITURES.

Expenditures for 1908-9.....	\$	590,685.38
Expenditures for 1909-10.....		601,838.16
Railroad damages forwarded to State Treasurer and added to endowment fund.....	88.00	
Cash balance	49,078.00	49,166.82
Total	\$	1,241,690.36

The balance on hand is credited to the following funds:

EDUCATIONAL FUNDS.

Support funds	\$ 28,160.46	
State funds for books and periodicals.....	346.76	
Piano rental	135.30	
Scholarships	542.96	
Agricultural extension	\$ 29,185.48	2,707.81

EXPERIMENT FUNDS.

Agricultural experiment station	\$ 6,255.66	
Engineering experiment station	2,297.38	
Horse breeding experimentation.....	3.61	
Good roads experimentation .....	.40	
.....	\$ 8,557.05	

BUILDING AND IMPROVEMENT FUNDS.

Agricultural hall furniture.....	\$ 10.81	
Repair and contingent fund, including amount transferred from tuition	6,197.66	
Room rent	1,286.12	
.....	\$ 7,494.59	

TRUST FUNDS.

Hospital fund balance		1,133.89
.....	\$	49,078.82

Taking up the different lines of expenditure, the first in order is the
COLLEGE EDUCATIONAL WORK.

EXPENDITURES.

For what purpose	1908-1909		1909-1910	
	From fees	From support fund	From fees	From support fund
1. Salaries—				
Professors, assistant professors and administrative officers		\$ 108,812.93		\$ 127,706.80
Instructors and assistants.....		44,048.64		57,128.06
2. Department expenses and ordinary equipment—				
Agricultural engineering	\$ 1,406.25	1,004.66	\$ 1,454.50	1,169.41
Agricultural journalism	90.11	90.11		133.81
Animal husbandry	2,992.00	1,145.13	2,705.00	2,405.72
Bacteriology			554.00	660.49
Botany	1,187.85	1,133.12	704.20	1,000.50
Chemistry	5,903.70	1,826.22	5,419.37	454.79
Civics		71.93		
Civil engineering	1,199.50	969.35	1,458.50	1,587.73
Dairy	1,564.00	3,479.42	1,653.55	138.09
Dairy farm		782.32		1,880.71
Dean's offices		321.61		107.12
Domestic economy	856.00	979.86	924.00	324.81
Economic science		406.25		289.03
Electrical engineering	2,378.18	2,074.19	474.00	1,168.05
English	850.75	626.77	730.85	158.66
Farm		345.87		3,230.73
Farm crops	1,778.50	1,649.89	1,601.50	1,381.41
History		214.80		211.21
Horticulture	275.95	1,637.67	371.75	1,646.93
Library (general expense).....	164.50	845.31	588.25	347.55
Library (books and periodicals).....		2,148.39		5,342.65
Mathematics		194.82		240.85
Mechanical engineering	3,524.97	986.40	2,889.20	1,643.55
Machine shop equipment		3,497.64		390.76
Military		218.50		1,858.94
Mining engineering		949.02	45.00	55.74
Modern language		61.34		195.35
Music (including rental of pianos).....	236.00	241.90	253.64	1,726.08
Physics			2,253.40	1,432.93
Poultry		1,032.02		64.05
Public speaking	196.00	230.69	180.00	1,625.83
Soils	622.50	958.59	312.50	1,168.75
Scholarship funds		725.00		796.64
Veterinary	1,220.75	1,108.21	1,133.50	1,122.21
Zoology	737.95	541.28	945.10	143.24
College hospital, net expenditures.....		508.80		
3. Administrative and general expenses—				
Including clerk hire and other expenses of the executive and administrative offices; cost of catalogs, compendiums, diplomas, advertising, telephone service, inter-department mail service, proctors, ringing chimes, commencement, Sabbath services, high school inspection work, etc.....	1,190.00	16,671.30	1,125.00	18,612.73
4. Maintenance of buildings and grounds.				
Buildings—heat, light and janitor service	25,148.20	28,568.20	24,131.00	34,330.41
Grounds—Labor, equipment and supplies		2,968.09		3,662.68
Totals	\$ 53,433.55	\$ 233,330.24	\$ 51,926.31	\$ 276,963.26
Less net receipts of Dairy department.....				128.68
Total				\$ 276,834.58

SUMMARY.

	1908-1909	1909-1910
Salaries	\$ 152,656.57	\$ 184,829.96
Department expenses and ordinary equipment	60,196.43	62,049.06
Administrative and general expense	17,761.30	18,612.78
Maintenance of buildings and grounds	56,649.49	62,114.09
Totals	\$ 287,263.79	\$ 328,740.89
Charged against the following funds:		
National and state support funds	\$ 233,105.24	\$ 275,645.83
Student fees	53,433.55	51,926.31
Scholarship funds	725.00	1,168.75
Totals	\$ 287,263.79	\$ 328,740.89

The foregoing exhibit shows the cost of maintaining the educational part of the college. The sales of departments, reported separately, as the law directs, are as follows:

Sales of departments connected with educational work:

	1908-1909	1909-1910
Agricultural engineering (net receipts of repair department)		\$ 75.57
Agricultural dean's office	6.00	
Animal husbandry	9.00	76.11
Bacteriology		36.07
Chemistry	892.08	1,026.13
Civil engineering	92.86	61.25
Dairy	32,513.25	31,022.49
Dairy farm	3,895.90	3,483.67
Domestic economy	8.00	
Electrical engineering	9.71	
Farm	17,214.04	14,022.26
Farm crops	267.35	124.33
Fires, lights and incidentals	6,323.08	7,718.01
Horticulture	789.23	705.47
Janitor fund	1.00	
Library	172.50	9.00
Mechanical engineering	685.17	617.93
Mining engineering	147.00	382.95
Physics and illuminating engineering		1.75
Poultry	256.78	246.93
Public speaking	1.50	
Public grounds	117.20	58.74
Soils	11.15	
Veterinary	1,296.23	1,074.13
Zoology	168.40	18.00
Totals	\$ 64,827.88	\$ 60,755.79
Sales of experiment stations—		
Agricultural experiment station	\$ 10,736.16	\$ 11,649.96
Engineering experiment station	224.70	237.25
Good roads		133.40
Agricultural extension		206.00
Totals	\$ 75,788.24	\$ 72,882.40

If these sales are added, in the case of each department, to the amounts given in the preceding expense budget, the gross expenditures on account of each department can readily be found. A full exhibit of these gross expenditures is given in the report prepared for the State Executive Council.

AGRICULTURAL EXTENSION WORK.

A history of the establishment of this department, together with the laws and regulations governing it, may be found on pages 230-2 of the last biennial report. The original law, enacted in 1906, provided an annual fund of \$15,000 for its maintenance. This was increased in 1907 to \$27,000 and in 1909 to \$32,000, of which latter amount \$5,000 runs for the biennial period only. The following shows the amount available for the support of this work for the last two years:

Balance on College Treasurer's books brought over from previous year	\$ 182.51
Balance of appropriation of 1907-8 in hands of State Treasurer	5,500.00
Annual appropriation for 1908-9	27,000.00
Annual appropriation for 1909-10	32,000.00
Fees collected in Marsh test work	206.00
Total	\$ 64,888.51

The expenditures for the two years were as follows:

	1908-1909	1909-1910
Salaries—		
Stat., including extension secretary and short course workers	\$ 15,549.10	\$ 21,348.14
Labor—		
Stenographic and clerical	2,050.98	2,247.73
Additional office help	1,415.90	1,422.28
Additional outside help	365.75	1,645.60
Supplies and other expenses—		
Stationery and office supplies	483.07	516.71
Postage	590.00	1,183.10
Freight, express and drayage	259.66	232.20
Telegrams and telephones	241.58	207.02
Department supplies	851.24	848.50
Special oat train	473.37	
State fair	224.41	283.12
Furniture	57.11	
Fitting up room for weeds and seeds	998.26	1,216.87
Printing bulletins and postage on same	1,090.88	578.31
Charts, maps and photographs	2,826.28	
Weed and seed collections	6.13	
Library	1,853.07	1,850.55
Traveling expenses		
Totals	\$ 28,550.54	\$ 33,630.16

It will be noticed that the income exceeded the expenditures by \$2,707.81, which balance is carried forward to the account of 1910-11. The funds available for the coming year are then as follows:

Cash balance on hand	\$ 2,707.81
Annual appropriation	32,000.00
Receipts from Marsh test (estimated)	1,100.00
Total	\$ 35,807.81

The following is the expense budget for the coming year:

AGRICULTURAL EXTENSION BUDGET, 1910-11.

Salaries:

P. G. Holden, superintendent.....\$ 3,200.00

A. V. Storm, agriculture in public schools:

	Support	Extension Department	
2 mo. at \$2,400.....	\$100.00	\$ 300.00	
10 mo. at \$2,500.....	250.00	1,833.34	
			2,133.34
A. H. Snyder, soils.....			1,900.00
R. K. Bliss, animal husbandry, 2 mo. at \$1,700, 10 mo. at \$1,900.....			1,866.66
Neale S. Knowles, domestic science, 2 mo. at \$1,200, 10 mo. at \$1,500.....			1,450.00
G. N. Rowan, domestic science, 8 mo. at \$1,200....			800.00
M. L. Mosher, farm crops, 2 mo. at \$1,700, 10 mo. at \$1,900			1,766.66
Murl McDonald, farm crops, 7 mo. at \$1,000.....			583.33
G. R. Bliss, horticulture, 2 mo. at \$1,200; 10 mo. at \$1,400.....			1,366.66
E. C. Bishop, assistant schools, to begin January 1, 1911			1,000.00
Lura Phillips, assistant schools, 8 mo., beginning September 16, 1910.....			1,000.00
H. F. Luick, dairy, 2 mo. at \$1,000, 10 mo. at \$1,200			1,166.66
A. A. Burger, dairy assistant, 12 mo. at \$1,000....			1,000.00
C. R. Bush, dairy, 2 mo. at \$1,000.....			166.66
E. Y. Cable, agricultural engineering, 10 mo. at \$1,000			833.33
G. E. Stayner, secretary, 2 mo. at \$1,100, 10 mo. at \$1,200			1,183.33
J. W. Merrill, Marsh test, 2 mo. at \$720, 10 mo. at \$900			870.00
_____ , test association.....			870.00
Edith Salisbury, domestic science, 3 mo.....			360.00
E. L. Stewart, soils, 3 mo.....			300.00
M. A. Hauser, farm crops, 10 weeks.....			300.00
C. R. Bush, animal husbandry, 3 mo.....			360.00
George W. Godfrey, animal husbandry, 3 mo.....			360.00
_____ , assistant domestic science, 3 mo.....			250.00
			\$ 25,086.63

General Expenses:

Stenographic fund	\$ 2,550.00
Traveling expense	1,600.00
Stationery and postage	1,784.68
Printing and bulletins.....	1,400.00

Charts, maps and supplies.....	1,375.00
State Fair	200.00
Additional office help.....	850.00
Additional outside help.....	900.00
	<u>\$ 10,695.68</u>
Total	\$ 35,782.31

The Board of Education asks that the annual appropriation for this department be increased to \$42,000, the increase to be withdrawn provided the National Government makes provision to this amount for the conduct of this work.

EXPERIMENT FUNDS.

The college conducts experimental work along the following lines:

1. Agricultural experiment stations.
2. Horse breeding experimentation.
3. Engineering experiment station.
4. Good roads experimentation.

The work is considered separately under these headings.

AGRICULTURAL EXPERIMENT STATION.

The following are the receipts and expenditures for the past biennial period:

RECEIPTS.

Cash balance at beginning of biennial period.....	\$ 171.91
From National Government, Hatch Act, 1908-9....	\$ 15,000.00
From National Government, Adams Act, 1908-9....	11,000.00
From State, annual appropriation, 1908-9.....	27,250.00
	<u>53,250.00</u>
From National Government, Hatch Act, 1909-10....	15,000.00
From National Government, Adams Act, 1909-10...	13,000.00
From State, annual appropriation, 1909-10.....	40,000.00
	<u>68,000.00</u>
Total	\$121,421.91

EXPENDITURES.

	1908-1909	1909-1910
Salaries of station staff.....	\$ 19,491.12	\$ 26,091.41
Salaries of station assistants.....	8,942.53	3,633.46
Agricultural engineering section.....	706.88	1,467.50
Animal husbandry section	10,218.96	11,954.42
Botany section	783.25	658.35
Bulletin section	1,539.76	5,980.05
Chemistry section	1,234.01	1,531.03
Dairy section	485.46	575.01
Dairy farm section	1,562.45	1,783.52
Director's section	1,250.00	1,429.73
Entomological section	711.81	943.88

EXPENDITURES—CONTINUED.

	1908-1909.	1909-1910
Farm crops section	3,768.23	4,301.07
General expenses	2,107.68	1,406.36
Horticultural section	3,009.87	5,045.18
Photo section	1,111.65	1,379.02
Poultry section	878.94	1,293.29
Soils section	3,896.29	5,245.32
Veterinary section	398.52	380.16
Totals.....	\$ 62,410.61	\$ 75,141.76
Less sales	10,736.16	11,649.96
Total expenditure of national and state funds.....	\$ 51,674.45	\$ 63,491.80

SUMMARY.

Total receipts, including cash balance.....	\$121,421.91
Expenditures:	
For 1908-9.....	\$ 51,674.45
For 1909-10.....	63,491.80
	<u>\$115,166.25</u>
Cash on hand July 1, 1910.....	\$ 6,255.66

The accounts of the Station have been examined by a representative of the United States Agricultural Department and certified as correct.

The following is the amount available for the use of the Station during the next fiscal year:

Cash in hands of College Treasurer, July 1, 1910...\$	6,255.00
From National Government, Hatch Act.....	15,000.00
From National Government, Adams Act.....	15,000.00
From State, consolidated appropriation.....	25,000.00
From State, annual (for two years).....	15,000.00
Total	<u>\$ 76,255.66</u>

This amount has been apportioned by the State Board of Education as follows:

AGRICULTURAL EXPERIMENT STATION BUDGET.

For fiscal year 1910-11.

Salaries of station staff and assistants.....	\$ 33,881.54
Expenses of Sections:	
Bulletins and Bulletin office.....	\$ 3,600.00
General expenses, including heat, light and janitor service	2,400.00
Director's office	1,600.00
Animal Husbandry section.....	4,600.00
Soils section	4,300.00
Farm Crops section	3,600.00

AGRICULTURAL EXPERIMENT STATION BUDGET—CONTINUED.

Horticulture and Forestry section.....	4,500.00
Dairy section	1,000.00
Agricultural Engineering section.....	1,200.00
Veterinary section	1,000.00
Dairy Farm section.....	1,700.00
Poultry section	1,200.00
Chemistry section	1,551.82
Entomology	1,000.00
Botany section	900.00
Photo section	600.00
Balance unappropriated	5,955.63
	<u>40,707.45</u>
Total	\$ 74,588.99

The Board of Education asks of the next legislature that the \$15,000 annual appropriation running through the biennial period be made permanent and that the Station be granted in addition an increase of \$15,000 annually for its support. This would make the yearly income of the Station \$85,000.

HORSE BREEDING EXPERIMENTATION.

The State law authorizing these experiments makes the amount of the annual appropriation, which is limited to \$7,500.00, contingent upon the allotment to this work by the National Department of Agriculture of an amount equal to that furnished by the State. The Agricultural Department furnished the Station, 1908-9, with horses valued at \$5,000.00. Attorney General Byers rendered an opinion that this was such compliance with the law as entitled the College to make requisition upon the State Auditor for an equal amount. No allotment was made by the National Government for the fiscal year 1909-10.

The following gives the receipts and expenditures in detail for the biennial period:

RECEIPTS.

From State	\$5,000.00
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EXPENDITURES.

	1908-1909	1909-1910
Stock purchased	\$ 3,532.45	
Traveling expenses purchasing stock.....	72.63	15.58
Part salary of Professor Kennely for superintending experiments	250.00	250.00
Salaries of horsemen.....	331.57	205.47
Telegrams and telephones.....	.43	
Feed stuffs	338.31	
Totals.....	\$ 4,525.39	\$ 471.00

SUMMARY.

Receipts		\$ 5,000.00
Expenditures for 1908-9.....	\$ 4,525.39	
Expenditures for 1909-10.....	471.00	
		\$ 4,996.39
Balance on hand.....		\$ 3.61

ENGINEERING EXPERIMENT STATION.

This Station, which was established by the legislature in 1904, is under the supervision of a committee of the Engineering Faculty. It received for the first two years an annual appropriation of \$3,000.00. In 1906 it was granted a permanent annual appropriation of \$3,500.00. This was increased in 1909 to \$5,000.00. The following shows in condensed form the receipts and expenditures for the biennial period:

RECEIPTS.

Cash on hand July 1, 1908.....	\$ 763.47
From State, annual appropriation, 1909-10.....	3,500.00
From State, first partial payment on new appropriation	309.00
From State, annual appropriation, 1909-10.....	5,000.00
Total.....	\$ 9,572.47

EXPENDITURES.

	1908-1909	1909-1910
Salaries—		
A. Marston	\$ 250.00	\$ 250.00
S. W. Beyer	16.66	
W. H. Meeker	33.33	
L. B. Spinney	33.33	
I. A. Williams	16.67	
C. E. Ellis	600.00	500.00
F. M. Okey	808.19	1,180.00
Equipment	164.78	698.46
Printing, cuts, etc.	70.70	898.32
Experimental labor	458.75	518.86
Office supplies	7.74	66.81
Labor on equipment.....	9.77	230.28
General labor	99.30	16.29
Freight, express and drayage.....	92.95	51.23
Miscellaneous supplies	178.09	361.84
Gasoline and oil.....	88.03	136.89
Traveling expenses	157.55	195.70
Office help	20.36	
Photos	12.50	
Electricity	2.00	9.00
Repairs	37.70	1.34
Telephones and telegrams.....	6.84	12.68
State fair expenses.....		10.25
Postage		58.00
Total	\$ 3,321.04	\$ 4,516.00
Deduct sales of department.....	224.70	237.25
Total expenditures of state appropriation.....	\$ 2,996.34	\$ 4,278.75

SUMMARY.

Total receipts, including cash balance.....		\$ 9,572.47
Expenditures:		
For 1908-9.....	\$ 2,996.34	
For 1909-10.....	4,278.75	
		7,275.09

Cash on hand July 1, 1910..... \$ 2,297.38

This balance of \$2,297.38, together with the annual appropriation of \$5,000.00, will make a fund of \$7,297.38 available for the next fiscal year.

The expense budget for the year as approved by the Board of Education is as follows: .

ENGINEERING STATION EXPENSE BUDGET, 1910-11.

Salaries:

A. Marston, Director, part salary. (Also paid \$2,750.00 from College support funds as Dean of Engineering).....	\$ 250.00
W. M. Barr, Industrial Chemist, part salary, 12 months' basis. (Also paid \$1,700.00 from College support funds as Assistant Professor of Metallurgy)	100.00
F. M. Okey, Assistant in Tests, full salary, 12 months' basis	1,200.00
Otto M. Smith, Assistant Chemist, part salary, 12 months' basis. (Also to be paid \$500.00 from College support funds as instructor in ceramics)	500.00
C. S. Nichols, Station Assistant, part salary, 12 months' basis, \$300.00 per year, beginning August 1st. (Also paid \$900.00 per year from College support funds as Dean's secretary, Division of Engineering).....	275.00
	\$ 2,325.00

For investigations, tests, publications, etc. (including the establishing of drainage investigation stations in six or more typical Iowa soil areas and operating same, making cement and clay tile tests, conducting sewage disposal tests and investigations, clay, cement and mineral investigations, electric lamp tests, electric grounding experiments, heating and ventilating tests, power plant investigations, fuel tests, tests of stone, brick, cement, sand, gravel and

road materials, concrete investigations, water and sewage analysis, writing and mailing of bulletins, stenographic and other office expenses, etc., and equipment)..... 2,675.00

Total..... \$ 5,000.00

The work of the Station has proven of great benefit to the State. An increase of \$5,000.00 is asked in the annual appropriation for this work.

GOOD ROADS EXPERIMENTATION.

The scope of the work included under this head is set forth fully on page 239 of the last biennial report. As a matter of convenience the duties of the highway commission are re-stated here. They are as follows:

1. To devise and adopt plans and systems of highway construction and maintenance, suited to the needs of the different counties of the State, and conduct demonstrations in such highway construction at least once each year, at some suitable place, for the instruction of county supervisors, township trustees, superintendents, students of the College and others.

2. To disseminate information and instruction to county supervisors and other highway officers who make request; answer inquiries and advise such supervisors and officers on questions pertaining to highway improvements, construction and maintenance, and whenever the board of supervisors of a county adjudge that the public necessity requires a public demonstration of improved highway construction or maintenance in said county, and so request and agree to furnish necessary tools, help and motor power for same, the commission shall furnish as soon as practicable thereafter a trained and competent highway builder for such demonstration free to the county.

3. To formulate reasonable conditions and regulations for public demonstrations, and to promulgate advisory rules and regulations for the repair and maintenance of highways.

Chapter 105 of the Laws of 1904, which established the commission, appropriated \$7,000.00 for the maintenance of this work during the biennial period. The legislature of 1906 granted it a permanent annual appropriation of \$5,000.00. The Dean of Engineering and the Dean of Agriculture, under the orders of the Board, constitute the commission. Mr. T. H. MacDonald has immediate supervision of the work.

The following are the expenditures on account of this fund during the last biennial period:

EXPENDITURES.		
	1908-1909	1909-1910
Salaries—		
T. H. MacDonald.....	\$ 1,800.00	\$ 2,000.00
J. E. Kirkham.....	300.00	300.00
J. T. Hoover.....	20.00	
E. W. Hamilton.....	200.00	
D. W. Sylvester.....	100.00	20.00
J. B. Davidson.....		83.33
C. A. Nichols.....		1,200.00
Equipment		75.00
Experimental and demonstration work, surveying, designing, grading, traveling expenses of speakers, salaries of speakers, freight on material, repairs on machinery, cuts and printing.....	1,700.50	844.00
Office supplies and expenses, including stenographic help, postage, freight, express, drayage, telegrams and telephones.....	1,019.17	632.00
Total	\$ 5,139.67	\$ 5,157.42
Deduct sales of department.....		133.40
Total expenditures of state appropriation	\$ 5,139.67	\$ 5,024.02

SUMMARY.

Cash balance July 1, 1908.....		\$ 164.09
Annual appropriation, 1908-1909.....	\$ 5,000.00	
Annual appropriation, 1909-1910.....	\$ 5,000.00	10,000.00
Total		\$ 10,164.09
Expenditures, 1908-1909, as per exhibit.....	\$ 5,139.67	
Expenditures, 1909-1910, as per exhibit.....	5,024.02	10,163.69
Balance July 1, 1910.....		.40
Total		\$ 10,164.09

The following shows the amount available for the coming fiscal year:

Cash balance July 1, 1910.....	\$.40
Annual appropriation 1910-11.....	5,000.00
Total	\$ 5,000.40

The following is the budget for the next year as approved by the Board of Education:

Salary of T. H. MacDonald, Highway Engineer, full time.....	\$ 2,000.00
Part salary of J. E. Kirkham, Consulting Bridge Engineer (the College pays Professor Kirkham, in addition to the above, \$1,800.00 per year for his services as Associate Professor of Structural Engineering).....	\$ 300.00
Salary of C. S. Nichols, Assistant Highway Engineer, July only.....	100.00

Salary of C. B. McCullough, Assistant Engineer, full time at \$900.00, beginning October 1st....	675.00	
	\$	3,075.00
For preparation of standard plans and specifications of roads and bridges, for road tests and investigations, for printing and distributing of bulletins, for office expenses, traveling expenses, Etc.		\$ 1,925.00
Total.....		\$ 5,000.00

The usefulness of the commission is greatly limited because of want of sufficient funds. The Board of Education urges that the annual appropriation for this work be increased from \$5,000.00 to \$10,000.00.

BUILDING AND EQUIPMENT FUND EXPENDITURES.

The Act of Congress establishing the land grant colleges provided that the fund for their support should not be used to erect or repair buildings. The State has found it wise in the management of its institutions to draw the same clear line of distinction between support and building funds. The College has always adhered to this policy. The expenditures for buildings, repairs and equipment have been kept separate from its different support funds. They may be summarized for the past year as follows:

	1908-1909	1909-1910
Repairs and contingencies.....	\$ 23,607.43	\$ 39,028.41
Special building tax—		
Hall of agriculture.....	136,555.41	14,883.13
Central building.....	1,312.32	1,094.49
Engineering hall annex.....	4,014.26	30,827.17
Ceramics building.....	232.07	13,242.52
Domestic technology building.....		18,870.49
Hall of agriculture—furniture and fixtures.....	416.56	18,799.28
Central heating plant (\$60,000.00).....	27,000.00	
Central heating plant (\$50,000.00).....		7,475.23
Dairy farm buildings, farm and equipment.....	436.14	
Machine shop.....	1,508.28	
Water system improvement.....	4,895.57	104.43
Walks and grading.....	359.09	
Sidewalks and grading (\$7,500.00).....	672.28	5,826.51
Engineering hall annex—furnishings and fixtures.....	.45	2,786.89
Purchase of pure bred stock.....	637.85	
Purchase of pure bred stock (\$10,000.00).....	1,292.45	5,138.96
Special equipment for college departments (old).....	492.32	
Special equipment for college departments (new).....	4,772.08	6,705.63
Room rent.....	2,290.05	1,624.41
Total.....	\$ 210,535.20	\$ 166,407.54

REPAIR AND CONTINGENT FUND.

It has been the long established policy of the College to make full presentation to the legislature of all expenditures of whatever kind. Especially has this been found desirable in the matter of buildings and their repair and equipment, since expenditures in these lines are borne entirely by the State. Taking up these appropriations in the order in

which they appear in the summary, we come first to the fund for repairs and minor improvements. The needs of the different departments in these lines are listed directly, or through the President, to the Finance Committee of the Board of Education. The committee determines the relative urgency of these needs and thus makes up the repair budget for the year, reserving a reasonable amount for emergencies. Some of this work is done under the contract system. Much of it can be handled with greater economy directly by the Superintendent of Buildings. In such cases the Superintendent makes, in general, a careful estimate, which is submitted to the committee and a limit fixed upon the cost. An account is kept in the Secretary's office of the charges against each improvement. The expenditures in each case are thus kept within the limit fixed and the total disbursements within the total funds available. A considerable balance is necessarily carried over each year, since the fund is payable, under the law, in quarterly installments, and only at the end of each quarter. It is the purpose of the Finance Committee to accumulate even a larger balance, in the future, at the end of each fiscal year, for the reason that these repairs and improvements can, if the funds are available, be made to much greater advantage in the summer vacation than at any other time.

The following exhibit shows the funds available on this account during the last biennial period and the amount expended for different purposes:

RECEIPTS.

Annual appropriation for 1908-9.....	\$ 23,000.00
Pro rata of annual appropriation of Thirty-third G. A., for the first partial quarter.....	2,678.55
Annual appropriation for 1909-10.....	36,000.00
Tuition fund for 1907-8, transferred.....	963.28
Tuition fund for 1908-9, transferred.....	6,191.67
Total.....	\$ 68,833.50

EXPENDITURES.

1908-10.

Altering and equipping rooms in Old Agricultural Hall for Agricultural Engineering Department..	\$ 1,762.53
Altering and equipping rooms in Old Agricultural Hall for Domestic Economy Department.....	405.14
Other repairs on Agricultural Hall.....	114.42
Material and labor for minor repairs in the Agricultural Department.....	36.12
Sewer maintenance and repairs.....	279.76
Maintenance of sewage disposal system.....	213.20
Installing system of lights along cinder walk....	425.00
Electric light on campus.....	65.00

EXPENDITURES, 1908-10—CONTINUED.

Extension of sanitary sewer from Machine Shop to new Engineering Annex and Ceramics Building..	233.42
Girls' tennis court.....	168.27
Sewer and drainage at the Dairy Farm.....	61.70
Planting trees on the North Road and road to Dairy Farm	34.00
Repairs on bridges.....	103.90
Grading and sidewalks.....	637.48
Buzzer system in offices of President, Secretary and Dean Marston	21.35
Central Building repairs.....	177.20
Chemical Building repairs.....	484.12
Covering brine and ammonia pipes and repairing same at the Dairy Building.....	523.20
Repairs on Dairy Building, including elevator.....	645.23
Endowment fund expenses.....	75.70
Tile roof on Engineering Hall.....	2,786.00
Battery of four double furnaces, one battery of eight gasoline furnaces, and kiln for burning clay wares, Mining Engineering Department.....	899.30
Repairing old Engineering Hall gutters, storm doors, roof brushes and ventilators.....	146.50
Installing machinery in Machine Shop.....	599.69
Repairing foundry, pattern shop and old power plant	76.02
Foundations and connections for new machinery in Mechanical Engineering shops and laboratory	249.84
Moving cement laboratory, including plumbing and furnishings	314.68
Two Tirrell regulators for Electrical Engineering Department	330.00
Moving and installing laboratory apparatus in Annex	1,143.30
Fourteen asbestos wood switchboard panels, and connecting switchboards to machines.....	305.13
Lumber for trenches and motor for shop lathe....	117.15
Painting and general repairs for Engineering buildings	239.35
Transportation, wiring and installation of motors in Engineering Hall	57.02
Removing equipment and fixtures from Rooms 104 and 106, Engineering Hall, and installing same in Ceramics Building	197.06
Converting department shop and testing room into classrooms	382.55
Change in Room 110—Dividing dynamo laboratory to make shop apparatus room, battery room, laboratory and photographic dark room, ventilation and plumbing, etc.....	424.35

Moving and setting up apparatus in Engineering Department	27.08
One motor generator set, and switchboard for Electrical Engineering Department.....	2,650.00
One 15 H. P. 3 phase, 220 volt inductor motor to replace the two inductor motors now used in driving heating fans in Engineering Hall.....	267.76
Three 10 K. W. transformers for motors and building lighting	328.44
Remodeling Room 409 into classroom, providing blackboards, seats, instructors' tables and chairs	151.24
Remodeling and increasing heating system in foundry	450.97
Electric lights in Structural and Hydraulic Laboratory and Drawing Room.....	241.99
Remodeling old Engineering Hall.....	686.95
Fitting up foundry room.....	200.00
Installing machinery in Engineering Laboratory..	299.46
Repairing shades in Engineering Hall.....	99.25
Repairing roof of Engineering Hall.....	415.74
Farm buildings repairs.....	1,262.85
Painting farm buildings and fences, including Farm Foreman's house, Teamster's house and Animal Husbandry cottage	432.53
Fitting up room at the Poultry Farm for farm help	160.46
Connecting Poultry and Dairy Farms with city water system	250.00
Traveling expenses in connection with plans for new buildings	553.81
Finance Committee office expenses, including new desk	108.22
Room rent and board for Superintendent from January to July.....	174.49
Repairs on heating, lighting and water plants....	10,386.67
Furniture for public rooms.....	1,119.62
Painters' supplies	761.69
Boiler insurance	56.00
Hall of Agriculture gas machine.....	1,728.54
Repairs on new Hall of Agriculture.....	36.99
Storage room at Horticultural Barn.....	124.93
Repairing Horticultural Greenhouses.....	412.47
Repairs on Horticultural buildings.....	395.80
Repairing Girls' Gymnasium in Margaret Hall...	517.13
Remodeling dining room at Margaret Hall.....	775.56
General repairs on Margaret Hall.....	111.66
General repairs on Morrill Hall.....	647.73
Residence for Superintendent Sloss.....	3,399.81
College Hospital repairs.....	414.07

EXPENDITURES, 1908-10—CONTINUED.

Painting and repairing Workman's Clubhouse.....	94.44
Covering steam and return pipes in branch tunnel to Alumni Hall	242.47
Moving and repairing President's barn.....	205.27
Repairs on Custodian's barn.....	173.15
Repairing clubhouse rented to women teachers..	194.94
Repairs on College buildings and campus.....	339.01
Installing hot water system in Dean Marston's house	882.20
Repairs on Music Hall.....	211.45
Repairs on houses occupied by Professors.....	1,786.68
Part salary of Custodian.....	498.96
Part salary of First Carpenter.....	990.37
Part salary of Second Carpenter.....	856.08
Part salary of Third Carpenter.....	740.00
Part salary of Painter.....	1,440.00
Half salary of assistant in charge of Campus.....	390.00
Part salary of Agricultural repairman.....	357.69
Part salary of Superintendent of Sewage Disposal Plant	178.36
Part salary of Treasurer.....	200.00
Part salary of College Engineer.....	233.34
Part salary of Superintendent of Heating, Lighting and Plumbing	669.99
Part salary of Superintendent of Buildings and Grounds	562.50
Clerk of Finance Committee.....	1,177.05
Part salary of Storekeeper.....	45.00
Repairs on Veterinary buildings.....	1,167.87
Maintaining horse and wagon for Repair Department	71.51
General repairs on gutters and conductors.....	118.73
Electric suction cleaner (part cost).....	100.00
Painting roofs	197.61
Remodeling Bookstore and Postoffice Building and connecting same with Central Heating Plant..	1,605.01
Repairs on hose cart shed.....	63.00
Repairs on Animal Husbandry Cottage.....	59.06
Repairs on old office building.....	25.54
New culverts on proposed road on South Campus..	131.15
Mechanical Engineering improvements.....	112.68
Silo	149.77
Balance of architect's fee on Dairy Farm barn....	129.66
Repairing Dairy Farm cottage, including plumbing and installing heating plant.....	496.09
Farm improvements, including fencing.....	354.69
Electric motor for chapel organ and installing same	369.90

Zoological laboratory tables.....	375.00
Remodeling barber shop for library reference room	247.23
Total expenditures	\$ 62,635.84
Balance on hand.....	6,197.66
	<u>\$ 68,833.50</u>

The following are the funds available in this line for the coming fiscal year:

Cash balance on hand, including amount transferred from tuition account.....	\$ 6,197.66
Annual appropriation for 1910-11.....	36,000.00

Total..... \$ 42,197.66

The Finance Committee has fixed upon the following partial budget:

REPAIR AND CONTINGENT FUND BUDGET FOR FISCAL YEAR 1910-11.

Fixed Charges:

Finance Committee	\$ 100.00
Sewer maintenance	150.00
Maintenance of sewage disposal system.....	200.00
Superintendent's emergency fund.....	1,000.00
Fires and lights repairs.....	5,500.00
One-half of Superintendent's salary.....	1,125.00
Two-thirds salary of first carpenter.....	600.00
Two-thirds salary of second carpenter.....	480.00
Two-thirds salary of third carpenter.....	480.00
Teamster and helper for Repair Department....	600.00
Part salary of Treasurer.....	100.00
Clerk of Finance Committee.....	600.00
Salary of painter.....	840.00
	<u>\$ 11,775.00</u>

Unexpended Balances, reappropriated:

Pipe covering in old Agricultural Hall.....	\$ 63.68
Extension of sanitary sewer from Machine Shop to new Engineering Annex and Ceramics Building	16.58
Repairs on heating tunnel.....	147.00
Commission and expenses purchasing additional land for College farm.....	40.00
Painting inside of greenhouses.....	30.00
Change in Room No. 112, converting department shop into a classroom, blackboards, etc.	71.49
Wiring in Department of Electrical Engineering	40.00

Moving cases from Room No. 209 and setting up new apparatus in Room No. 110 (Engineering Hall)	35.00	
Remodeling Room No. 409 into classroom, providing blackboards, seats, instructors' tables and chairs	102.76	
Painting farm buildings and fences, including Farm Foreman's house, Teamster's house and Animal Husbandry Cottage.....	67.47	
Board and room for Superintendent Sloss, as per agreement at time of his employment....	43.00	
Bicycle for use of Superintendent of Buildings and Grounds	50.00	
Pipe covering in basement of Margaret Hall..	626.26	
Storeroom shelves and slides for drawers in Department of Zoology.....	28.00	
Pipe covering for pipes in basement in Morrill Hall	152.00	
Installing vacuum system in radiators in Morrill Hall	200.00	
Superintendent's residence	400.19	
Repairs on residence occupied by Professor M. Mortensen	43.48	
Repairs on house occupied by Professor H. E. Summers	135.44	
		\$ 2,292.35

NEW APPROPRIATIONS.

Old Agricultural Hall:

Painting gutters and valleys, and repairing windows, etc.\$ 225.00

Forge Shop:

Soldering gutters, painting ridge poles and gutters, repairing sash, hanging gutters..... 58.50

Margaret Hall:

Painting gutters and ridge boards, glazing sash, repairing sills, refinishing outside doors, cleaning mantel, new faucets for bathtubs, etc.... 308.00

Central Building:

Glazing windows and refinishing outside doors.. 175.00

Engineering Hall:

Glazing windows and refinishing outside doors.. 150.00

Chemical Laboratory:

Painting front steps, new baseboard on columns, painting front porch, repairing areaways, etc. 85.00

Foundry:

Soldering and painting gutters, ridge boards and sash and doors, etc..... 40.00

Hydraulics Laboratory:

Painting and soldering gutters..... 25.00

Morrill Hall:

Repairing gutters, painting gutters, roof of porch, fixing window stops in Chapel, tile for front entrance, and painting woodwork on outside of building..... 270.00

Postoffice and Book Store:

Fixing windows and brick work under porch.. 25.00

Pattern Shop:

Soldering and painting gutter and ridge boards 75.00

Electric light fixtures in house to be occupied by Superintendent
 100.00 |

General repairs on Chemical Laboratory..... 56.00

Repairing floor and door in horse stall in Farm Barn,
 100.00 |

Repairing bench in greenhouse..... 30.00

Line shaft and tool lockers and re-wiring motor in Agricultural Engineering Department..... 112.00

Repairing seats and blackboards on second floor on lower pavilion..... 21.00

Repairing seats and lattice work in new stock judging pavilion,
 25.00 |

Repairing organ in Chapel as per Superintendent Sloss' estimate,
 144.50 |

Dark curtains for Department of Physics and removal of pier in laboratory..... 35.00

Repairing drain and cess pool at Poultry Buildings, 75.00

Repairing water spouts on College Farm House,... 10.00

Repairing chime tower and tower clock..... 30.00

Connecting steam heating drying ovens in Chemical laboratory with steam pipes of regular heating system,
 25.00 |

Connecting vats in Creamery with steam heating plant,
 10.00 |

Dairy Farm Buildings, repair..... 11.57

Experiment Station Fences, repair..... 5.00

Furnaces for mining engineering department..... 25.00

Safety devices in workshops in Mechanical Engineering Department..... 75.00

Furniture for Domestic Science Department..... 200.00

Total \$ 2,526.57

\$ 16,593.92

The askings of the several departments against this fund, not passed upon by the Finance Committee exceed \$20,000.00.

SPECIAL BUILDING TAX.

The books of the Treasurer of the College show the following receipts and expenditures on this account during the last biennial period:

RECEIPTS.

Amount drawn from State Treasurer, 1908-9,...	\$ 142,134.65
Amount drawn from State Treasurer, 1909-10.	78,917.80
Total,	\$ 221,052.45

EXPENDITURES.

Hall of Agriculture,	\$ 151,438.54
Central Building	2,406.81
Engineering Hall Annex,	34,841.42
Ceramics Building	13,495.19
Domestic Technology Building,.....	18,870.49
Total,	\$ 221,052.45

The above does not include the balances in the hands of the State Treasurer. Taking these into account the joint statement of the State and College Treasurers would show the following:—

RECEIPTS.

Cash in State Treasury at the beginning of the biennial period	\$ 48,436.69
Receipts from one-fifth mill tax during the two years,	270,162.26
Total	\$318,598.95

EXPENDITURES.

Expended in the erection of buildings as shown by books of College Treasurer,.....	\$221,052.45
Balance in hands of State Treasurer at close of beinnial period after deducting all drafts of College Treasurer included by him in accounts of last fiscal year,	97,546.50
Total	\$318,598.95

The last levy under the present building tax will be made in 1911. The question of a renewal of the tax for another period of five years will be presented to the General Assembly by the Board of Education. It may be interesting in this connection to note how the account with the fund as a whole will stand at the expiration of the present law.

Granting that the remaining buildings to be erected from the fund will be those authorized by the last legislature, the following will be approximately the showing for the entire term of the several laws authorizing the tax levy.

STATEMENT COVERING THE COMBINED BUILDING TAX LAWS.

"Chapter 99 of the Laws of 1900 provided for the levy of one-tenth mill tax for building purposes, the amount realized in any one year not to exceed \$55,000.00.

Chapter 172 of the laws of 1902 increased the levy to one-fifth mill and removed the restriction upon the amount of the income.

Chapter 184 of the laws of 1906 entended the term of the tax levy to another five years making the collections end with the year 1912.

The following shows the receipts to July 1st, 1910 together with an estimate of the probable receipts during the unexpired term of the law; also the expenditures made or authorized.

RECEIPTS.

From January 1st, 1901 to July 1st, 1901,.....	\$ 30,498.91
For fiscal year ending June 30, 1902,.....	55,773.55
For fiscal year ending June 30, 1903,.....	88,191.06
For fiscal year ending June 30, 1904,.....	118,925.78
For fiscal year ending June 30, 1905,.....	128,762.38
For fiscal year ending June 30, 1906,.....	127,161.07
For fiscal year ending June 30, 1907,.....	127,216.34
For fiscal year ending June 30, 1908,.....	129,067.46
For fiscal year ending June 30, 1909,.....	134,362.80
For fiscal year ending June 30, 1910,.....	135,799.46

Total \$1,075,758.81

Deduct amount transferred to general state fund because of collections exceeding \$55,000.00 per annum during the first two years, 1,170.78

Total collected prior to July 1, 1910 belonging to the tax fund,..... \$1,074,588.03

For fiscal year ending June 30, 1911, (estimated),	137,000.00
For fiscal year ending June 30, 1912, (estimated),	137,000.00
For remainder of calendar year 1912, (estimated)	57,000.00

Total, \$ 1,405,588.03

EXPENDITURES.

Central Building	\$284,198.62
Central Heating Plant,.....	15,610.25
Experiment Station Barn,	12,858.59
New Agricultural Building, including Stock Judging Pavillion, additional feeding sheds for Farm, Green houses for Horticulture, Agronomy and Soils and Insectary for the Entomological Section of the Experiment Station,....	95,817.86
Hall of Agriculture,.....	330,006.18

EXPENDITURES—CONTINUED.

Dairy Building,.....	16,921.81	
Dairy Farm Buildings,.....	9,236.06	
Horticultural Cottage,.....	5,018.68	
Engineering Hall,	133,647.61	
Forge Shop,	5,518.77	
Machine Shop,	1,000.00	
Engineering Hall Annex,	34,841.42	
Ceramics Building,	13,495.19	
Domestic Technology Building,	18,870.49	
Total expenditures prior to July 1, 1910,...		\$977,041.53
Amounts authorized by Legislature, but not yet expended:		
Central Building:-		
Amount reserved on Schlueter's contract because of litigation between contractor and sub-contractor regarding fire proofing,.....	\$ 1,304.22	
Hall of Agriculture,.....	9,993.82	
Engineering Hall Annex,	908.58	
Ceramics Building,	1,504.81	
Domestic Technology Building,	56,129.51	
Veterinary Department Building,	150,000.00	
Gymnasium, Auditorium, and Armory,.....	150,000.00	369,840.94
Balance subject to appropriation by legislature, ..		58,705.56
Total,		\$ 1,405,588.03

HALL OF AGRICULTURE.

Taking up in their order the buildings, to the erection of which the millage tax has been directed during the past two years, we come first to the Hall of Agriculture. This building which was begun in 1906 was completed early in June 1909. Mr. H. W. Schlueter, the original contractor, becoming bankrupt his contract was completed by his bondsmen, the Empire State Surety Company of New York City. Contracts were entered into with various parties for heating and plumbing, electric wiring, installing elevator, and painting and decorating walls. An analysis of the charges against this account for the last biennial period shows the following:-

HALL OF AGRICULTURE EXPENDITURES.

Empire State Surety Company's estimates,.....	\$110,572.83
Proudfoot & Bird, architects, final payment, 3 per cent of cost,	1,658.86
Metal Construction Company, heating and plumbing balance on contract of \$28,000.00,.....	22,041.73
Ames Engineering Company, wiring, balance on contract of \$3,170.72,	2,215.07
Ames Engineering Company, extras on wiring contract,	321.78

Elevator and enclosure,.....	4,898.43
Painting walls and decorating,.....	3,396.79
Laboratory plumbing,	3,172.88
Fitting up room in basement,.....	324.00
Wiring, lamp cord, foot light shades, express on plans, wall sockets, heating connections, etc....	128.30
Connecting circuit breaker for elevator,.....	99.30
Switchboard wiring, door checks, keys, construction of area ways,	114.54
Electric equipment,	948.74
Inspector,	990.00
Stenographer and other office expenses,	294.73
Water connections,	187.95
Advertising	30.00
Expenses of Committee in connection with transfer of work from Contractor to Surety Company,..	42.61
Total,	\$151,438.54

The terms of final settlement with the Surety Company were agreed upon shortly after the completion of the building. Under this agreement a balance of \$5,587.28 was reserved by the College until the company made settlement of the claims of certain sub-contractors. This amount is still held in trust by the College. Nothing has been paid upon the Lloyd Garrett Company's contract of \$2,800.00 for electric light fixtures. Some laboratory plumbing and certain fixtures in the photographic room need attention. Summarizing these unsettled claims against the fund, we have the following:

Balance due on Empire State Surety Company's contract	\$ 5,587.28
Lloyd Garrett Company's contract for electric light fixtures	2,800.00
Laboratory plumbing	827.12
Piping for live steam.....	579.42
Partition and fixtures for photographic room.....	200.00
Total	\$ 9,993.82

Other than the above all charges against this building have been adjusted and paid.

The following shows the total cost of the building:	
Expenditures prior to July 1, 1906.....	\$ 33.64
Expenditures during the biennial period ending July 1, 1908, as shown on page 251 of the Twenty-third Biennial Report.....	178,534.00
Expenditures during the last biennial period as shown in this report.....	151,438.54
Needed to complete the building and pay claims against it as shown above.....	9,993.82
Total.....	\$340,000.00

The authorization of the use of this amount in the erection of this building is shown as follows:

Chapter 184, Laws of 1906.....	\$250,000.00
Senate joint resolution, Laws of 1907.....	60,000.00
State Executive Council, May 7, 1907, heating, lighting, plumbing and incidentals for annex..	8,000.00
State Executive Council, July 10, 1907, change in plans for annex.....	5,000.00
Senate joint resolution, Laws of 1909.....	17,000.00
Total.....	\$340,000.00

CENTRAL BUILDING.

The cost of this building, including fixtures and furnishings, is given in the last biennial report, page 254, as \$415,502.84. Two items included in this amount had not been paid at the beginning of the last biennial period. The following are the items:

Installing electric light standards on the front portico and wiring same.....	\$ 711.03
Amount reserved on Schlueter's contract because of litigation between contractor and sub-contractors regarding fireproof work.....	3,000.00
Total.....	\$ 3,711.03

The first item has been paid in full. Concerning the second item this question arose. Certain work included in Mr. Schlueter's contract for the erection of the Dairy Building was found to be defective. The old Board of Trustees directed that the building be put in shape contemplated by the contract and the expense charged to the fund reserved on the Central Building. The Board of Education approved this action. The repairs to date have cost \$1,695.78, thus reducing the fund to \$1,304.22. This amount is reserved for other needed repairs on the Dairy Building.

ENGINEERING HALL ANNEX.

The Thirty-second General Assembly, by joint resolution, authorized the use of \$30,000 of the building tax in the construction of a general engineering laboratory. The architect prepared plans and specifications for such buildings, and bids for its erection were opened by the Board of Trustees at its meeting in January, 1909. There were nineteen bids in all, ranging from \$31,480 to \$45,818. The contract was let to Benson & Marxer, the lowest bidder, after such modification of the plans as would bring the completed building within the amount authorized by the legislature. Such options, however, were inserted in the contract as would permit the Board to construct the building upon the basis of the original plans, provided the legislature authorized a larger expenditure in its erection. The Thirty-third General Assembly increased the limit of expenditure from \$30,000 to \$35,750. The options in the con-

tract were therefore accepted. In making final settlement with Benson & Marxer they were allowed \$314.78 for extras and charged \$570 for delay in completing contract. This made the total amount due them, under their contract, \$31,224.78. The following shows the total expenditures on account of the building during the biennial period, together with the use to be made of the unexpended balance:

ENGINEERING HALL ANNEX EXPENDITURES.

Benson & Marxer, payment on contract of \$31,480.00	\$ 31,224.78
Heating and plumbing.....	2,775.00
Proudfoot & Bird, architect's fee, 2½ % of cost...	787.00
Inspector	27.00
Advertising, express and telephone.....	27.64
Total expended.....	\$ 34,841.42
Authorized expenditures to be made during the coming fiscal year:	
Additional laboratory plumbing.....	\$ 333.00
Plumbing and fixtures for toilet rooms.....	225.00
Electric light fixtures	350.58
Total.....	\$ 908.58
Total.....	\$ 35,750.00

CERAMICS BUILDING.

The erection of this building from the building tax fund was authorized by the last legislature, the limit of cost being fixed at \$15,000.00. The bids received ranged from \$12,356.00 to \$15,750.00. The contract was let to the Nelson Construction Company, the lowest bidder. In making final settlement they were allowed \$381.74 for extras, while a deduction of \$525.00 was made because of delay in completing contract. A reservation of \$300.00 was also ordered because of defects in roof and hardware. The amount paid them is therefore \$11,912.74.

The following shows the expenditures on account of this building during the last biennial period and the amount that will be needed to complete and equip it:

CERAMICS BUILDING EXPENDITURES.

Nelson Construction Company, part payment on contract of \$12,356.00.....	\$ 11,912.74
Proudfoot & Bird, architect's fee, 2½ % of cost....	308.90
Plumbing and heating.....	1,175.32
Inspector	57.70
Advertising and toll messages.....	17.64
Drain tile	3.20
Expenses of Professor Williams investigating Ceramics Building	19.69
Total expended.....	\$ 13,495.19

CERAMICS BUILDING EXPENDITURES—CONTINUED.

Expenditures necessary to complete and equip building:

Balance of Nelson Construction Company's contract	\$ 300.00	
Additional plumbing	618.84	
Building equipment, including 4 shelves, 24 shades, 7 hoods, 1 lantern screen, 2 chemical desks and 2 cases.....	585.97	
		1,504.81
Total.....		\$ 15,000.00

DOMESTIC TECHNOLOGY BUILDING.

The last legislature set aside \$75,000.00 of the millage tax fund for the erection of this building. The architect was directed by the Board to so plan the building as to bring its cost, including fixtures and building equipment, strictly within this sum. The plans and specifications as prepared by Proudfoot & Bird were approved by the Board in December, 1909, and bids received at the meeting in January, 1910. Ten bids were submitted, ranging from \$57,000.00 to \$74,250.00. Contract was let to the lowest bidders, Benson & Marxer, of Des Moines. The matter of heating, lighting and plumbing was referred to the Building Committee and the Finance Committee with power to act.

The expenditures to date have been as follows:

Benson & Marxer, payment on contract of \$57,900..	\$ 16,923.57
Proudfoot & Bird, architects, part payment of fee, 2½% of cost.....	1,013.25
Heating, lighting and plumbing.....	898.44
Building extras, work on foundation.....	15.39
Advertising, express and toll messages, traveling expenses	19.84
Total.....	\$ 18,870.49

Superintendent Sloss estimates the different items entering into the cost of the building as a whole as follows:

Benson & Marxer's contract.....	\$ 57,900.00
Heating	9,199.00
Plumbing	3,500.00
Electric wiring	1,500.00
Electric light fixtures.....	835.00
Electric power	364.00
Architect's fee	1,447.50
Incidentals	254.50
Total.....	\$ 75,000.00

AGRICULTURAL HALL FURNISHINGS.

Appropriations for furniture and fixtures for the Hall of Agriculture have been made by the General Assembly as follows:

Chapter 215, Laws of 1907.....	\$ 10,000.00
Chapter 244, Laws of 1909.....	25,000.00
Total.....	\$ 35,000.00

The following exhibit shows the expenditures during the past year, the amount of the outstanding contracts and the estimated cost of the remaining items necessary to complete the furnishing of the building:

AGRICULTURAL HALL FURNISHINGS EXPENDITURES.

Commission of L. Harbach Sons Company, purchasing agents for the Board of Trustees.....	\$ 706.32
American Seating Company, contract for chairs....	3,533.40
Boutell Bros., contract for desks.....	2,185.50
Chase & West, contract for filing cabinets, book-cases and tables.....	6,602.48
S. Davidson & Bros., stools, chairs, rugs, window shades and other stock furniture, part payment on contract of \$6,644.95.....	5,555.88
J. K. Hower, blackboards.....	160.00
Proudfoot & Bird, architect's fee, part payment of 5% on special furniture.....	200.00
Expense of committee to examine stock furniture..	191.00
Advertising	23.25
Telegrams, toll messages and express.....	24.95
Furniture castors, and changing radiators to accommodate equipment	33.06
	\$ 19,215.84

Contracts outstanding:

S. Davidson & Bros. Co., stools, chairs, rugs, window shades and other stock furniture, balance on contract.....	\$ 1,089.07
Northwestern Marble & Tile Company, special furniture	14,151.00
Architect's fee, balance.....	507.55
Contingencies	36.54
	15,784.16
Total.....	\$ 35,000.00

CENTRAL HEATING PLANT.

The Thirty-second General Assembly appropriated \$60,000.00 to continue work on the Central Heating Plant. Of this amount \$33,000.00 was expended prior to July 1, 1908. The balance of \$27,000.00 was expended for the following purposes:

Two 500 H. P. Sterling boilers.....	\$ 7,705.00
Setting Sterling boilers, including foundations, and setting old boilers, with foundations, including fire brick	5,986.32
Pipe covering	1,329.57
Tunnel piping	918.89
Power house piping and equipment and installation	6,591.50
Two Green chain grate stokers.....	2,550.00
One Roney stoker and installation.....	1,299.53
Boiler feed pump.....	232.00
Induced draft fan.....	72.24
Breaching connections	100.00
Grading over tunnel.....	214.95
Total.....	\$ 27,000.00

The last General Assembly appropriated \$50,000.00 to complete the system, including the necessary connecting tunnels. In dividing the special appropriations as a whole equally between the two years of the appropriation period, as the law requires, the Board decided to use only \$7,500.00 of this appropriation during the first year, which year is the last of the two covered by this report. The amount actually expended was \$7,475.23. It was used for the following purposes:

Tunnel to Engineering Hall Annex.....	\$ 380.66
Tunnel connections to Dairy Building.....	1,640.47
Old Agricultural Hall connections.....	895.95
Induced draft	2,417.51
Construction of main tunnels.....	1,270.22
Transmission	75.03
Feed water pump.....	407.42
Superintendent's residence connections.....	204.52
Connecting new pavillon.....	54.38
Remodeling tunnel to postoffice and Morrill Hall..	38.19
Steam pipe from main to pattern shop, including tunnel	90.88
Total.....	\$ 7,475.23

This leaves \$42,524.77 of the appropriation of the last legislature yet to be expended. After careful consideration by Superintendent Sloss and the Building Committee of the additions to the present plant which are the most needed, it was decided to use this balance as follows:

Ennis' contract for boiler room extension (not including repairing roof on power house).....	\$ 14,961.00
Balance due architect	375.00
250 K. W. engine generator set.....	8,500.00
Engine foundation and floor.....	850.00
Engine room pipings and connections.....	500.00
Pipe covering in plant, as per contract.....	166.80
High tension electric lines in main tunnel.....	4,500.00
Connecting Pattern Shop, Morrill Hall, old Engineering Hall and Stock Judging Pavillon with Main Tunnel, and making inside connections in Dairy Building	1,646.97
Main Tunnel from point west of old Farm House to the new Domestic Science Building, this tunnel to supply steam heat, electric current for the greenhouses, old Agricultural Hall, Superintendent's residence, Margaret Hall and Domestic Technology Building. Arrangements have also been made so that tunnel can be extended to the new Veterinary Building.....	11,000.00
Incidentals	25.00
Total.....	\$ 42,524.77

It was hoped at the time the last appropriation was granted that it would be sufficient to complete the plant. This hope has not been realized. The additional cost of construction due to an increase in wages and prices, the extension of the plant to the new Domestic Technology Building and to some of the smaller buildings on the Campus, together with the installing of larger engine generator set, rendered necessary by the present and prospective demands on the plant, have made it imperative to transfer to the list of askings from the next legislature the coal and ash handling machinery, the water heater and the installing of two 500 H. P. boilers for the central power house. Provision should also be made for extending the heating tunnel to the new Veterinary building and the Gymnasium.

In all there will be needed the following:

Coal and ash handling machinery.....	\$ 13,000.00
Two 500 H. P. boilers.....	11,000.00
Water heater	1,000.00
Tunnel to Veterinary Building, 500 feet at \$12.00..	6,000.00
Tunnel to Gymnasium, 1,000 feet at \$12.00.....	12,000.00
Total.....	\$ 43,000.00

This amount is asked of the legislature by the Board of Education.

DAIRY BUILDINGS, FARM AND EQUIPMENT.

The small balance of \$436.14 to the credit of this appropriation has been expended during the biennial period as follows:

Fencing and tiling.....	\$ 220.35	
Fitting up room in barn.....	45.80	
Sidewalk	84.60	
Repairing buildings	35.32	
Equipment	50.07	
Total.....		\$ 436.14

MACHINE SHOP.

The original appropriation for this shop was \$16,000.00. The Executive Council sanctioned a change in plan so as to include a gallery at an additional cost of \$1,000.00, paid from the building tax fund. The balance unexpended at the beginning of the last fiscal year was \$1,508.28. This is accounted for as follows:

EXPENDED DURING THE YEAR.

Balance on Empire State Surety Company's contract	\$ 1,186.61	
Heating apparatus and connections.....	14.97	
Plumbing	142.01	
Electric wiring	141.39	
Stairway	21.00	
Drayage	2.30	
Total.....		\$ 1,508.28

WATER SYSTEM IMPROVEMENT.

One-half of the appropriation of \$10,000.00 voted the College by the Thirty-second General Assembly for the improvement of its water system was expended prior to July 1, 1908. The remaining half was expended during the last biennial period as follows:

Paid on Cook Construction Company's contract for reservoir, pump house and pipe line.....	\$ 3,031.47	
Balance of Buffalo Steam Pump Company's contract	941.75	
Pump house equipment	39.74	
Pipe connections for fire pump.....	617.35	
Electrical connections to centrifugal pump.....	239.69	
Inspector	130.00	
Total.....		\$ 5,000.00

These improvements have been thoroughly tested and have been proven to be very satisfactory. The pump has a capacity of 24,000 gallons per hour, and at the end of a five hours' test of the well there

was no indication of a decrease in the water supply. An underwriters' fire pump has been installed, which has a capacity of 1,000 gallons per minute. The College water supply would seem, at last, to be on a most satisfactory basis.

WALKS AND GRADING.

The funds available for this work during the biennial period consisted of the following:

Unexpended balance of appropriation of \$5,000.00 of Thirty-second General Assembly.....	\$ 359.09	
Appropriation of Thirty-third General Assembly..	7,500.00	
Total.....		\$ 7,859.09

The expenditures are as follows:

Walks and grading around Central Building.....	359.09	
J. S. McLaughlin's contract for construction of sidewalks, etc., upon the basis of 8½ cents per square foot for sidewalks, 12¾ cents per square foot for crossings, 27 cents per linear foot for gutters and 28 6-10 cents per cubic foot for concrete in culvert walls.....	2,151.44	
Briley & Tripp's contract for grading around Hall of Agriculture on basis of 32 cents per cubic yard, with an allowance of 1¼ cents for each yard hauled 100 feet in excess of 600 feet.....	1,654.53	
Cement for walks and culverts.....	174.00	
Grading about Engineering Hall done by the Public Grounds force, at actual cost of labor and material	358.96	
Champlin & Joyce, for grading roadway on South Campus, including filling depressions and tile work	202.00	
Champlin & Joyce, fills for Campus walks and grading about Alumni Hall, 1,100 yards at 32 cents	352.00	
Champlin & Joyce, for hauling gravel, etc., in excess of distance specified.....	77.50	
Surveying, draughting, inspection and office work..	302.71	
R. W. Crum, for making campus map showing improvements	250.00	
Grading on Athletic grounds, as per agreement with Athletic Association	750.00	
S. Hanson, for catch basins along drives.....	55.10	
Gravel for bed of walks, boxing for crossings, lumber, cement and tile, etc., outside of contracts	132.60	
Seeding around buildings.....	37.95	
Total.....		\$ 6,498.79
Total.....		\$ 6,858.88

This leaves an unexpended balance of \$1,000.21, which the Superintendent of Grounds designs to use in the line of the following improvements:

Sidewalks leading to Alumni Hall.....	\$ 187.88	
Other sidewalks and grading on Campus.....	812.33	
Total.....		\$ 1,000.21

FURNISHING AND FIXTURES FOR ENGINEERING HALL ANNEX.

The last General Assembly appropriated \$5,000.00 for furnishings and fixtures for this building. Contracts were entered into with various parties for blackboards, shades, rugs, desks, chairs, lockers, tables, etc. The following is a classified list of expenditures during the biennial period:

EXPENDITURES.

A. Flanagan & Co., blackboards.....	\$ 521.60	
Installing blackboards.....	207.89	
S. Davidson & Bros., contract for shades.....	127.72	
S. Davidson & Bros., contract for stock furniture, desks, rugs and chairs.....	1,041.12	
Van Dorn Iron Works Company, contract for dispensing room and steel lockers.....	839.25	
S. Davidson & Bros., one roll top desk.....	27.50	
Blue printing, labor, unloading tables, toll messages, etc.	22.25	
Total expenditures.....		\$ 2,787.33

The following shows the purposes to which the balance of the appropriation will be devoted:

Des Moines Cabinet Company's contract for drawing tables	\$ 1,302.00	
Three chemical desks, 1 steel table, 3 oak shelves and 1 table, as per blue print.....	340.02	
One wall case for room 110, 2 wall cupboards with sliding doors, 1 cement top table, 1 wall case (\$115), 1 case (\$130).....	570.65	
Total.....		\$ 2,212.67
Total.....		\$ 5,000.00

PURCHASE OF PURE BRED STOCK.

The funds for this purpose consist of the following:

Balance of appropriation of \$5,000.00 by the Thirty-second General Assembly	\$ 657.85	
Appropriation by the Thirty-third General Assembly	10,000.00	
Total.....		\$ 10,657.85

The following shows the amounts expended under each of these appropriations:

APPROPRIATION OF THIRTY-SECOND GENERAL ASSEMBLY.

Stock purchased	\$ 425.00	
Transportation	181.60	
Traveling expenses making purchases.....	49.40	
Telegrams	1.85	
Total.....		\$ 657.85

APPROPRIATION OF THIRTY-THIRD GENERAL ASSEMBLY.

Stock purchased	\$ 5,997.47	
Transportation	255.28	
Traveling expenses making purchases.....	151.16	
Duty on cattle purchased in Canada.....	27.50	
Total.....		\$ 6,431.41
Total.....		\$ 7,089.26

The Dean of Agriculture and the Professor of Animal Husbandry are authorized to expend the balance of this appropriation, \$3,568.59.

SPECIAL EQUIPMENT FOR COLLEGE DEPARTMENTS.

The fund available for this purpose during the biennial period was made up as follows:

Balance of appropriation of Thirty-second General Assembly	\$ 6,463.88	
Amount of the appropriation of \$15,000.00 by the last General Assembly set aside by the Board for use during the fiscal year 1909-10.....	5,750.00	
Total.....		\$ 12,213.88

The following are the amounts expended by the several departments:

Agricultural Engineering.....	\$ 547.35
Animal Husbandry	863.27
Bacteriology	765.54
Botany	600.00
Chemistry	442.22
Civil Engineering	1,800.00
Dairy	471.40
Electrical Engineering	600.00
Farm Crops	8.00
Horticulture	160.78
Mechanical Engineering	1,213.26
Mining Engineering	1,388.63
Physics and Illuminating Engineering.....	1,046.79
Soils	743.25

AMOUNTS EXPENDED BY THE SEVERAL DEPARTMENTS—CONTINUED.

Veterinary	519.54	
Zoology	800.00	
		\$ 11,970.02
Balance unexpended		243.85
Total		\$ 12,213.88

The following are the funds available for the coming fiscal year:

Balance, as above	\$ 243.85
Remainder of \$15,000.00 appropriation	9,250.00
Total	\$ 9,493.85

The Finance Committee has apportioned this fund among the departments as follows:

STATE EQUIPMENT FUND BUDGET.

Balances reappropriated:		
Agricultural Engineering	\$ 4.85	
Economics	25.00	
Mechanical Engineering	31.74	
Mining Engineering	106.59	
Physics	3.21	
Veterinary Science	72.46	
		\$ 243.85
New fund appropriated:		
Agricultural Engineering	\$ 300.00	
Animal Husbandry, including Dairy and Poultry departments	500.00	
Agronomy (Soils)	400.00	
Agronomy (Farm Crops)	150.00	
Bacteriology	300.00	
Botany	150.00	
Chemistry	500.00	
Civil Engineering	300.00	
Dairy	400.00	
Electrical Engineering	500.00	
Home Economics	1,863.91	
Horticulture and Forestry	150.00	
Library	100.00	
Mechanical Engineering	400.00	
Mining Engineering and Geology	400.00	
Mining and Ceramics	1,361.09	
Physics and Illuminating Engineering	450.00	
Veterinary Department	625.00	
Zoology	400.00	
		9,250.00
Total		\$ 9,493.85

There is most urgent need for additional equipment in the various departments. The Board of Education asks an additional annual appropriation for the biennial period for this purpose of \$60,000.00.

ROOM RENT FUND.

This fund is derived from rental of rooms in College buildings to students and others, sale of wreckage material, and various odds and ends of revenue connected with the use of the different College buildings. The following shows the receipts and expenditures during the biennial period:

RECEIPTS.

Cash on hand July 1, 1908	\$ 819.00
Rental collected	3,785.71
Damages charged students	10.75
Damages to Hall of Agriculture by drayman	25.00
Sale of wreckage material	507.26
Net sales from Custodian's storeroom	52.86
Total	\$ 5,200.58

EXPENDITURES.

Salaries:	
Part salary of Custodian (1½ years)	\$ 498.96
Part salary of First Carpenter (2 years)	499.78
Part salary of Second Carpenter (2 years)	419.98
Part salary of Third Carpenter (2 years)	377.94
	\$ 1,796.66
Margaret Hall repairs, including painting of walls of halls	\$ 765.36
Repairing old hospital building for rent to women teachers	415.43
Repairs on fires and light plant	319.71
Net expenditures for Custodian's storeroom	247.55
Custodian's office expenses	105.57
Repairs on old office building	25.55
Repairs on barber shop	21.81
Repairs of Workman's Clubhouse	7.70
Improvements along railway	37.71
Room rent refunded	167.00
Miscellaneous	4.40
Total expended	\$ 3,914.46
Balance on hand	1,286.12
	\$ 5,200.58

The following shows the estimated income and expenditures on this account for the coming year:

ROOM RENT, 1910-11—ESTIMATED INCOME.

Balance brought forward.....	\$ 1,286.12
Rental of rooms, including dining room.....	2,600.00
Total.....	\$ 3,886.12

PROBABLE EXPENDITURES:

Fixed charges:	
One-third salary of First Carpenter.....	\$ 300.00
One-third salary of Second Carpenter.....	240.00
One-third salary of Third Carpenter.....	240.00
Total.....	\$ 780.00
Repairs on buildings rented, and repair and purchase of furniture for said buildings.....	3,106.12
Total.....	\$ 3,886.12

FUNDS AVAILABLE FOR 1910-1911.

These consist of balances in the hands of the State and College Treasurers to the credit of the different College funds, together with the income for the year. This income is in part estimated, but will closely approximate the actual amount.

I. BALANCES.

Building and Equipment Funds:	
Special building tax.....	\$ 97,546.50
Annual Repair and Contingent fund, including amount transferred from tuition fund.....	6,197.66
Appropriation of Twenty-ninth General Assembly for Pure Bred Stock.....	.44
Agricultural Hall Furnishings.....	15,784.16
Central Heating Plant.....	42,524.77
Sidewalks and Grading.....	1,001.21
Furniture and fixtures for Engineering Hall Annex.....	2,212.67
Appropriation of the Thirty-third General Assembly for Pure Bred Stock.....	3,568.59
Special equipment for College departments....	9,493.85
Room rent.....	1,286.12
Total.....	\$179,615.97
Support Funds:	
Educational funds.....	\$ 29,185.48
Agricultural extension.....	2,707.81
Experiment funds.....	8,557.05
Total.....	40,450.34

Trust Funds:

Hospital fund balance.....	1,133.89
Total balances.....	\$221,200.20

II. ESTIMATED RECEIPTS.

Building and Equipment Funds:

Building Tax fund.....	\$137,000.00
Annual Repair and Contingent fund.....	36,000.00
Rental of rooms.....	2,600.00
Total.....	\$175,600.00

Educational Support Funds:

From National Government.....	\$ 79,000.00
From State (General support).....	195,000.00
From State, library.....	5,500.00
From tuition, collected.....	6,000.00
From student fees.....	52,000.00
Total.....	337,500.00

Extension fund

32,000.00

Experiment Funds:

Agriculture:

From National Government.....	\$30,000.00
From State.....	40,000.00
Total.....	70,000.00

Engineering.....	5,000.00
Good Roads.....	5,000.00
Total.....	80,000.00

Total estimated receipts for the year from all sources and for all purposes..... \$625,100.00

These amounts, available for the coming year, have in most cases been appropriated by the Board to specific purposes. These have been set forth in the exhibits already given, with the exception of the Support fund. The statement of balances and estimated receipts on account of this fund shows the following:

Balance of Educational fund proper on hand July 1, 1910.....	\$ 29,185.48
Estimated receipts, including fees.....	337,500.00
Total.....	\$366,685.48

The following deductions must be made from the above in determining the amount available for direct appropriation by the Board during the year:

1. Since student fees cover simply the material used by the students in the laboratories, and each department is therefore allowed its fees to purchase such material, these fees are

omitted from both the income and expense side of the budget; hence, there is deducted, estimated fees\$ 52,000.00

2. Since the State support funds are payable at the end of each quarter, it is necessary to reserve a considerable balance at the close of each year to meet the expenses of the first quarter of the following year. The Trustees at the June meeting increased this amount from \$12,000.00 to..... 15,000.00
- \$ 67,000.00

The available balance for the budget is therefore.. \$299,685.48

The budget for the year is as follows:

EDUCATIONAL SUPPORT FUND BUDGET, 1910-1911.

I. Salaries:

Professors, assistant professors and administrative officers	\$130,322.86	
Instructors and assistants.....	53,931.54	\$184,254.40

II. Department expenses and ordinary additions to equipment:

Agricultural engineering	\$ 1,355.00
Agricultural journalism	150.00
Animal husbandry	1,445.00
Bacteriology	900.00
Botany	1,000.00
Chemistry	2,439.26
Civil engineering	1,400.00
Dairy farm	1,175.00
Economics	300.00
Electrical engineering	1,050.00
English	75.00
Farm	2,500.00
Farm crops	1,087.00
Graduate schools	2,650.00
History	125.00
Home economics	1,300.00
Horticulture	2,280.00
Library, general expenses.....	800.00
Library, books and periodicals.....	5,246.76
Mathematics	300.00
Mechanical engineering	1,330.47
Mining engineering	1,695.95
Modern languages	75.00
Military	400.00
Music	100.00

Public speaking	100.00
Physical culture	50.00
Physics	1,250.00
Poultry	1,080.00
Soils	947.00
Veterinary	1,000.00
Zoology	750.00
	\$ 36,356.44

III. Maintenance of Public Grounds and Buildings:

Heating, lighting and water supply.....	\$ 22,000.00
Janitor service and supplies.....	16,175.00
Care and improvement of public grounds.....	4,000.00
	42,175.00

IV. Administrative and general expenses:

President's office	\$ 2,000.00
Treasurer's office	2,860.00
Secretary's office	1,229.40
Registrar and recorder.....	1,170.00
Purchasing committee	2,020.00
Junior college dean.....	1,200.00
Dean of agriculture.....	750.00
Dean of engineering.....	900.00
Assignment committee	350.00
Matron's fund	175.00
Proctors	500.00
Catalogs and bulletins.....	2,105.00
Advertising	400.00
State Fair exhibits (Agricultural).....	200.00
State Fair exhibits (Engineering).....	200.00
Commencement work expenses.....	350.00
Telephone service	200.00
Ringling chimes	165.00
Annual fee of Agricultural associations.....	15.00
Graduate School of Agriculture.....	25.00
Carrying campus mail.....	110.00
Sabbath services and convocations.....	500.00
Headquarters State Teachers' Association.....	75.00
Excursion Day	300.00
Reserved for contingencies, subject to further orders of the Board.....	500.00
	\$ 18,299.40
	\$281,085.24

Total.....

Summarizing the foregoing so as to show the appropriations of the Educational Support Funds to different lines for the fiscal year of 1910-11, we have the following:

1. Salaries of educational and administrative officers\$184,254.40

2. Current expenses of departments and ordinary additions to equipment.....	36,356.44	
3. Maintenance of buildings and grounds (exclusive of repairs and improvements of buildings).....	42,175.00	
4. Administrative and general expense.....	18,299.40	
Total		\$281,085.24

The total of the foregoing budget is \$281,085.24, while the available funds aggregate \$299,685.48.

It will be noticed that the salary lists of professors and instructors represent by far the larger part of the budget. They are given in full in the exhibits that follow. They cover the school year instead of the fiscal year, for the reason that such lists will show the real running expense basis for salaries after September 1st. They exceed somewhat the expenditures for the fiscal year entered in the regular fiscal year budget.

SALARIES OF PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS.

SEPTEMBER 1, 1910—SEPTEMBER 1, 1911.

	Support fund	Agricultural experiment station	Other college funds	Totals
E. W. Stanton, acting president, dean of science division and junior college, and professor of mathematics.....	\$ 5,000.00			\$ 5,000.00
C. F. Curtis, dean of agriculture, director of experiment station.....	2,000.00	2,000.00		4,000.00
J. R. Lincoln, military science.....	1,100.00			1,100.00
A. A. Bennett, chemistry.....	2,400.00			2,400.00
L. H. Fammel, botany.....	2,000.00	400.00		2,400.00
W. H. Mosker, mechanical engineering.....	2,500.00			2,500.00
A. Marston, dean of engineering, civil engineering.....	2,750.00		*250.00	3,000.00
L. E. Spitzer, physics.....	2,400.00			2,400.00
W. B. Beyer, animal husbandry, vice dean of engineering.....	1,700.00	1,700.00		3,400.00
S. W. Noble, English.....	3,000.00			3,000.00
A. B. Noble, English.....	2,100.00			2,100.00
H. E. Summers, zoology.....	1,700.00	400.00		2,100.00
A. MacMurray, public speaking.....	1,800.00			1,800.00
Fletcher Briggs, modern language.....	1,800.00			1,800.00
M. Mortensen, dairy.....	1,100.00	1,100.00		2,200.00
G. H. Cossina, history and psychology, and college chaplain.....	2,500.00			2,500.00
H. E. Bemis, veterinary.....	1,600.00			1,600.00
Virginia Parmort, home economics.....	2,000.00			2,000.00
S. A. Beach, horticulture, vice dean of agriculture.....	1,800.00	1,500.00		3,300.00
C. C. Major, mechanical engineering.....	1,800.00			1,800.00
J. E. Kirsham, civil engineering.....	1,800.00		300.00	2,100.00
B. B. Stanton, civil engineering.....	1,800.00			1,800.00
F. A. Fish, electrical engineering.....	2,200.00			2,200.00
C. G. Tilden, college physician, (also receives \$300 from hospital).....	1,100.00			1,100.00
Maria M. Roberts, mathematics, vice dean of junior college.....	1,700.00			1,700.00

SALARIES OF PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS—CONTINUED.

	Support fund	Agricultural experiment station	Other college funds	Totals
Herman Knapp, treasurer, registrar, and recorder, purchasing committee, (also receives \$50 as superintendent of book department).....	2,150.00	250.00	*100.00	2,500.00
A. T. Erwin, horticulture.....	2,000.00			2,000.00
L. C. Hodson, dairy and veterinary division.....	1,850.00			1,850.00
J. B. Davidson, agricultural engineering (also receives \$300 from United States Irrigation bureau).....	1,200.00	1,200.00	100.00	2,500.00
G. B. McDonald, horticulture.....	1,000.00	800.00		1,800.00
W. H. Stevenson, soils.....	1,375.00	1,375.00		2,750.00
C. H. Stange, dean of veterinary division.....	1,200.00	400.00		1,600.00
R. R. Dykstra, veterinary.....	1,800.00			1,800.00
B. H. Hibbard, economics.....	2,400.00			2,400.00
Lola Placeway, chemistry.....	1,350.00			1,350.00
W. F. Coover, chemistry.....	1,900.00			1,900.00
L. A. Williams, mining engineering.....	1,850.00			1,850.00
H. C. Ford, civil engineering.....	1,500.00			1,500.00
Adolph Shane, electrical engineering.....	1,800.00			1,800.00
W. B. Anderson, physics.....	1,500.00			1,500.00
A. H. Hoffman, physics.....	1,300.00			1,300.00
M. F. Cleghorn, mechanical engineering.....	1,800.00			1,800.00
R. A. Norman, mechanical engineering.....	1,400.00			1,400.00
Julia Colpitts, mathematics.....	1,200.00			1,200.00
J. E. Guthrie, zoology.....	1,600.00			1,600.00
L. B. Schmidt, history.....	1,600.00			1,600.00
..... poultry.....	950.00	900.00		1,850.00
M. I. Evinger, civil engineering.....	1,300.00			1,300.00
R. H. Porter, mechanical engineering.....	1,400.00			1,400.00
..... zoology.....	1,400.00			1,400.00
T. H. MacDonald, road roads.....	1,800.00		12,000.00	2,800.00
R. E. Buchanan, bacteriology.....	1,800.00	200.00		2,000.00
Elizabeth Maclean, English.....	1,300.00			1,300.00
Dora Thompkins, English.....	950.00			950.00
Julia Vaulx, English.....	950.00			950.00
Sybil Lentner, public speaking.....	1,000.00			1,000.00
J. E. Brindley, economics.....	1,500.00			1,500.00
Vina E. Clark, librarian.....	1,000.00	100.00		1,100.00
J. P. Watson, physical director.....	1,800.00			1,800.00
E. A. Pattenhill, mathematics.....	1,400.00			1,400.00
F. C. Colburn, station photographer.....	1,800.00			1,800.00
R. E. Rondebush, mechanical engineering.....	1,500.00			1,500.00
R. W. Crum, civil engineering.....	1,500.00			1,500.00
H. W. Gray, civil engineering.....	1,500.00			1,500.00
C. N. Arnett, animal husbandry.....	1,700.00			1,700.00
W. H. Pew, animal husbandry.....	1,700.00			1,700.00
E. N. Wentworth, animal husbandry.....	1,700.00			1,700.00
Wm. M. Barr, mining engineering.....	1,700.00		**100.00	1,800.00
Elizabeth Moore, English.....	950.00			950.00
W. R. Raymond, English.....	1,200.00			1,200.00
C. E. Bartholomew, Zoology.....	1,400.00			1,400.00
W. H. Cooper, dairy.....	1,300.00			1,300.00
W. W. Dimock, dairy crops.....	900.00	900.00		1,800.00
H. S. Murphy, veterinary.....	1,000.00			1,000.00
Grace E. Russell, home economics.....	1,000.00			1,000.00
Katherine McKay, home economics.....	1,300.00			1,300.00
E. W. Hamilton, agricultural engineering.....	1,300.00			1,300.00
J. F. Barker, soils.....	1,500.00			1,500.00
Percy E. Brown, soils.....	750.00	750.00		1,500.00
O. J. Henderson, lecture, home economics.....	250.00			250.00
Arthur W. Dox, station chemist.....	1,200.00	2,000.00		3,200.00
H. D. Hughes, farm crops.....	1,125.00			1,125.00
Harry B. Potter, farm crops.....	1,400.00			1,400.00
S. L. Jodidi, soils chemist.....	1,800.00			1,800.00
..... animal husbandry.....	2,100.00			2,100.00
..... dairy farm superintendent.....	800.00			800.00
Laurens Green, horticulture.....	1,700.00			1,700.00

SALARIES OF PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS—CONTINUED.

	Support fund	Agricultural experiment station	Other college funds	Totals
L. C. Burnett, farm crops		700.00		700.00
M. L. King, agricultural engineering		2,000.00		2,000.00
Stella Hartzell, assistant station chemist		1,100.00		1,100.00
Charlotte King, botany		1,000.00		1,000.00
R. L. Webster, entomology		1,450.00		1,450.00
L. W. Forman, superintendent of field-experiments		1,000.00		1,000.00
C. V. Gregory, bulletin editor		800.00		800.00
Winifred Tilden, physical culture	850.00			850.00
A. V. Storm, secondary schools	300.00		2,200.00	2,500.00
Thomas Sloss, superintendent of buildings and grounds	1,125.00		*1,125.00	2,250.00
Totals	\$ 133,925.00	\$ 31,550.00	\$ 6,175.00	\$ 171,650.00

* Repairs and contingent funds.

** Engineering experiment station.

† Good roads.

‡ Agricultural extension.

Houses on the College grounds are occupied by Acting President Stanton, Professors Curtiss, Beach, Mortensen, Meeker, Summers, Noble, Marston, and Superintendent Sloss.

The following is the list of instructors and assistants for the coming year with the salary of each and the fund to which it is chargeable:

SALARIES OF INSTRUCTORS AND ASSISTANTS.

	Support fund	Agricultural experiment station	Other college funds	Totals
J. H. Gordon, dairy bacteriology	\$ 511.54	\$ 511.54		\$ 1,023.08
Harry Evans, dairy, one-half sal., 12 mo.	750.00			750.00
Harriett Kellogg, botany	350.00	350.00		700.00
Ada Hayden, botany	500.00			500.00
J. R. Campbell, botany	425.00			425.00
A. L. Bakke, botany	1,000.00			1,000.00
S. C. Guernsey, chemistry		600.00		600.00
Student assistants, chemistry		600.00		600.00
Robina Rae, agricultural library	480.00	240.00		720.00
Caroline Laird, engineering library	650.00			650.00
Mellie M. Smith, library	680.00			680.00
Margaret Forgeus, library	900.00			900.00
Vera Dixon, library	700.00			700.00
Harriett Sessions, library	850.00			850.00
D. W. Sylvester, agricultural engineering	900.00			900.00
C. O. Alexander, agricultural engineering	900.00			900.00
Charles Murray, bacteriology	600.00			600.00
C. C. Fowler, chemistry	900.00			900.00
Nellie Naylor, chemistry	650.00			650.00
Harry Biddle, chemistry	750.00			750.00
Burleigh Reed, chemistry	650.00			650.00

SALARIES OF INSTRUCTORS AND ASSISTANTS—CONTINUED.

	Support fund	Agricultural experiment station	Other college funds	Totals
Stacey Turney, chemistry	600.00			600.00
Laura Taggart, chemistry	850.00			850.00
Lola Stephens, chemistry	900.00			900.00
C. A. Baughman, civil engineering	800.00			800.00
V. D. Beard, civil engineering	800.00			800.00
Grace M. Viall, home economics	900.00			900.00
F. A. Robbins, electrical engineering	900.00			900.00
Jas. Cloyd Bowman, English	1,000.00			1,000.00
Ruth B. Safford, English	750.00			750.00
Mildred MacLean, English	750.00			750.00
Esther L. Cooper, English	750.00			750.00
George Mitchell, farm foreman	1,200.00			1,200.00
George Livingston, farm crops	1,200.00			1,200.00
Carrie Watters, history	850.00			850.00
F. W. Allen, Jr., horticulture	1,000.00			1,000.00
Anna Fleming, mathematics	1,000.00			1,000.00
Ward M. Jones, mathematics	1,200.00			1,200.00
Helen F. Smith, mathematics	1,000.00			1,000.00
Agnes Mosher, mathematics	900.00			900.00
May Chase, mathematics	800.00			800.00
J. F. Bates, mechanical engineering	1,000.00			1,000.00
J. W. Cameron, mechanical engineering	900.00			900.00
John Hgg, mechanical engineering	700.00			700.00
J. G. Hummel, mechanical engineering	1,000.00			1,000.00
R. L. Spencer, mechanical engineering	800.00			800.00
E. C. Potter, mechanical engineering	900.00			900.00
John Sawin, mechanical engineering	900.00			900.00
E. M. Spangler, mechanical engineering	700.00			700.00
J. B. Varela, mechanical engineering	1,000.00			1,000.00
J. Feroc, student assistant	225.00			225.00
Otto M. Smith, mining engineering	500.00			500.00
Grace I. Norton, modern language	1,000.00			1,000.00
E. Eberhardt, modern language	900.00			900.00
Ingeborg Lommen, modern language	1,000.00			1,000.00
Mary P. Fairfield, modern language	900.00			900.00
Daisy A. Arville, modern language	900.00			900.00
C. Mundhenk, military	350.00			350.00
Mr. and Mrs. A. S. Thompson, music	500.00			500.00
Fredrika V. Shattuck, public speaking	800.00			800.00
Wm. Kunerth, physics	1,000.00			1,000.00
H. J. Plagge, physics	900.00			900.00
W. A. Bevan, physics	900.00			900.00
W. A. Lippincott, poultry	300.00			300.00
Roy E. Smith, soils	600.00			600.00
Geo. Judisch, veterinary lecturer	250.00			250.00
Henry Ness, zoology	900.00			900.00
C. R. Shumway, zoology	300.00			300.00
zoology	600.00			600.00
Mrs. Emily Cunningham, matron	700.00			700.00
A. L. Blezak, English	1,200.00			1,200.00
Total	\$ 58,981.54	\$ 2,331.54		\$ 61,313.08

TREASURER'S REPORT—IOWA STATE COLLEGE—CONTINUED.

	Balance July 1, 1909		Fiscal Year		Total		Support Fund		Balance June 30, 1910	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Horticulture			4,181.98	1,019.23	4,181.98	1,019.23	3,162.70			
Junior College Dean's office			1,117.56		1,117.56		1,117.56			
Library			2,480.37	344.50	2,480.37	344.50	2,135.87			
Mathematics			4,079.62		4,079.62		4,079.62			
Mechanical engineering			15,493.21	4,334.17	15,493.21	4,334.17	11,159.04			
Military			518.50		518.50		518.50			
Mining engineering			1,696.02	147.00	1,696.02	147.00	1,549.02			
Modern languages			5,171.34		5,171.34		5,171.34			
Music			669.99		669.99		669.99			
Poultry			1,288.80	256.78	1,288.80	256.78	1,032.02			
Public speaking			1,162.19	211.50	1,162.19	211.50	950.69			
Soils			2,617.74	659.15	2,617.74	659.15	1,958.59			
Veterinary			3,754.69	2,596.48	3,754.69	2,596.48	1,158.21			
Zoology			3,611.68	1,320.40	3,611.68	1,320.40	2,291.28			
Advertising			327.58		327.58		327.58			
Catalog and compendium			2,496.00		2,496.00		2,496.00			
Contingent expense			2,602.60	64.90	2,602.60	64.90	2,537.70			
Fires, lights and incidentals			47,519.15	31,849.08	47,519.15	31,849.08	15,670.07			
Janitor fund			12,894.13	1.00	12,894.13	1.00	12,893.13			
President's office			2,696.01		2,696.01		2,696.01			
Public grounds			3,055.29	117.20	3,055.29	117.20	2,938.09			
Purchasing committee			1,633.95		1,633.95		1,633.95			
Registrar's office			400.00		400.00		400.00			
Sabbath services			567.62		567.62		567.62			
Secretary's office			1,430.54		1,430.54		1,430.54			
Treasurer's office			1,912.69		1,912.69		1,912.69			
Engineering experiment station			224.70	224.70	224.70	224.70				
State appropriations		1,144.16	251,242.20	260,275.81	251,242.20	261,419.97				10,177.77
Total		\$ 27,150.92	\$ 610,026.37	\$ 621,699.42	\$ 610,026.37		\$ 229,069.59	\$ 248,074.74		\$19,818.82
Balance support funds							19,005.15			19,005.15
Cash to balance as follows—										
Support funds	\$ 20,767.23			1,762.08	19,005.15					19,005.15
State appropriations	1,144.16		9,033.61		10,177.77					10,177.77
Miscellaneous accounts	\$ 5,239.53		4,401.52		9,641.06					9,641.06
Totals	\$ 27,150.92	\$ 27,150.92	\$ 623,461.50	\$ 623,461.50	\$ 648,850.84	\$ 648,850.84	\$ 248,074.74	\$ 248,074.74	\$38,823.97	\$38,823.97

	Balance July 1, 1908	Drawn from state treasurer	Expended during year	Balance June 30, 1909
Agricultural extension	182.51	5,500.00	5,682.51	4,131.97
Agricultural hall furniture		27,000.00	22,868.08	4,131.92
Books and periodicals	22.70	416.56	393.86	28.84
Books and periodicals		2,015.10	2,126.69	788.41
Catalog		27,000.00	27,000.00	
Central heating plant		436.14	436.14	
Dairy building			763.47	
Engineering annex furniture	763.47		763.47	
Engineering experiment station		3,800.00	3,233.87	1,076.13
Equipment of departments		492.32	4,772.08	
Equipment of departments		4,772.08	164.09	
Good roads experimentation		5,000.00	4,975.88	24.12
Live Stock experimentation		5,000.00	4,935.39	474.61
Machine shop	2.30		2.30	
Pure bred stock		1,892.45	657.85	1,234.60
Repairs and contingent		25,678.55	22,644.15	3,034.40
Sidewalks and grading		714.68	672.98	41.70
Special building tax	9.09	142,131.65	142,131.65	
Walks and grading		350.00	350.00	
Water system improvement		5,000.00	4,896.57	104.43
Totals	\$ 1,144.16	\$ 290,275.81	\$ 251,242.30	\$ 10,177.17

EXPERIMENT STATION, JUNE 30, 1909.

	Balance July 1, 1909		Fiscal		Total		Support Fund		Balance June 30, 1909	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Government appropriation—Adams				\$ 11,000.00		\$ 11,000.00		\$ 11,000.00		
Government appropriation—Hatch				15,000.00		15,000.00		15,000.00		
State support funds	\$ 171.91			27,250.00		27,421.91		27,421.91		
Salaries section			\$ 19,491.12		\$ 19,491.12		\$ 19,491.12			
Agricultural engineering section			2,139.22	11.50	2,139.22	11.50	2,137.72			
Animal husbandry section			11,452.30	7,603.90	11,452.30	7,603.90	3,818.40			
Botanical section			2,060.55		2,030.55		2,060.55			
Bulletin section			2,190.73	5.00	2,190.73	5.00	2,185.73			
Chemical section			3,092.48		3,092.48		3,092.48			
Dairy section			485.46		485.46		485.46			
Dairy farm section			1,582.45	233.24	1,582.45	233.24	1,349.21			
Director's section			1,250.00		1,250.00		1,250.00			
Entomology section			1,911.31		1,911.31		1,911.31			
Farms crops section			5,351.41	1,045.50	5,351.41	1,045.50	4,305.91			
General expenses section			2,107.68		2,107.68		2,107.68			
Horticultural section			3,009.87	329.75	3,009.87	329.75	2,680.12			
Photography section			1,111.65	505.60	1,111.65	505.60	605.05			
Poultry section			878.94	28.31	878.94	28.31	850.63			
Soils section			3,896.29	572.36	3,896.29	572.36	2,923.93			
Veterinary section			398.52		398.52		398.52			
Total		\$ 171.91	\$ 62,410.61	\$ 63,986.16	\$ 62,410.61	\$ 61,158.07	\$ 51,674.45			
Balance	\$ 171.91		1,575.55		1,747.46		1,747.43			\$ 1,747.46
	\$ 171.91	\$ 171.91	\$ 63,986.16	\$ 63,986.16	\$ 64,158.07	\$ 61,158.07	\$ 53,421.91	\$ 53,421.91	\$ 1,747.46	\$ 1,747.46

TREASURER'S REPORT—IOWA STATE COLLEGE.

The following is a complete statement of the transaction of accounts for the fiscal year ending June 30, 1910.

	Balance July 1, 1901		Fiscal Year		Total		Support Fund		Balance June 30, 1910	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Support funds balance July 1, 1909		\$ 19,005.15				\$ 19,005.15		\$ 19,005.15		
Interest on investment of endowment fund				\$ 31,412.93		34,412.98		34,412.98		
Interest on Treasurer's balance				1,468.19		1,468.19		1,468.19		
Morrill support				40,000.00		40,000.00		40,000.00		
State support				195,000.00		195,000.00		195,000.00		
Special equipment and instructional funds				220.00		220.00		220.00		
Agricultural fellowship		186.71	375.00	300.00	375.00	483.71				\$ 111.71
Diploma		719.18	912.30	1,135.00	912.30	1,854.18		941.88		
Donation		336.23		4.20		340.43		340.43		
Hospital		1,277.13	2,469.18	2,325.94	2,469.18	3,608.07				1,133.89
Miracle Thesis Prize Fund			100.00	100.00	100.00	100.00				
Piano rent		41.49	163.21	257.11	163.24	298.54				135.90
Room rent		713.70	1,968.21	2,540.63	1,968.21	3,254.33				1,286.12
State Fair scholarship		175.00	762.50	1,018.75	762.50	1,193.75				431.25
Tuition		6,191.67	121.66	6,220.00	121.66	12,411.67		6,098.31		6,191.67
Salaries—Morrill			40,000.00		40,000.00		40,000.00			
Salaries—support			87,706.30		87,706.30		87,706.30			
Salaries—assistants			56,523.66		56,523.66		56,523.66			
Agricultural Dean's office			751.44		751.44		751.44			
Agricultural engineering			3,953.97	2,754.56	3,953.97	2,754.56	1,199.41			
Agricultural journalism			133.81	550.00	133.81	550.00		416.19		
Animal husbandry			5,218.33	2,812.61	5,218.33	2,812.61	2,405.72			
Bacteriology			1,250.56	500.07	1,250.56	500.07	679.49			
Botany			1,737.50	737.00	1,737.50	737.00	1,000.50			
Chemistry			7,454.92	7,000.13	7,454.92	7,000.13	454.79			
Civil engineering			3,118.98	1,531.25	3,118.98	1,531.25	1,587.73			
Dairy			32,666.81	32,805.49	32,666.81	32,805.49		138.68		
Dairy farm			4,864.38	3,483.67	4,864.38	3,483.67	1,380.71			
Domestic economy			1,259.31	924.50	1,259.31	924.50	324.81			
Economics			289.03		289.03		289.03			
Electrical engineering			1,642.05	474.00	1,642.05	474.00	1,168.05			
Engineering Dean's office			861.45		861.45		861.45			

TREASURER'S REPORT—IOWA STATE COLLEGE.—CONTINUED.

	Balance July 1, 1908		Fiscal Year		Total		Support Fund		Balance June 30, 1909	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
English			620.16	761.50	620.16	761.50	158.66			
Farm			17,258.99	14,022.26	17,258.99	14,022.26	3,236.73			
Farm crops			3,132.24	1,750.83	3,132.24	1,750.83	1,381.41			
History			211.21		211.21		211.21			
Horticulture			2,726.60	1,079.97	2,726.60	1,079.97	1,646.63			
Junior College, Dean's office			1,226.19		1,226.19		1,226.19			
Library			948.80	601.25	948.80	601.25	347.55			
Mathematics			240.35		240.35		240.35			
Matron's fund			161.85		161.85		161.85			
Mechanical engineering			5,304.48	3,660.93	5,304.48	3,660.93	1,643.55			
Military			396.76		396.76		396.76			
Mining engineering			2,286.89	427.95	2,286.89	427.95	1,858.91			
Modern languages			55.74		55.74		55.74			
Music			289.22		289.22		289.22			
Physics			3,991.33	2,265.25	3,991.33	2,265.25	1,726.06			
Poultry			1,699.86	246.93	1,699.86	246.93	1,452.93			
Public speaking			245.06	181.00	245.06	181.00	64.05			
Soils			1,974.83	349.00	1,974.83	349.00	1,625.83			
Veterinary			3,068.27	2,271.63	3,068.27	2,271.63	796.64			
Zoology			2,494.21	1,372.00	2,494.21	1,372.00	1,122.21			
Advertising			332.97		332.97		332.97			
Catalog and bulletins			2,503.67		2,503.67		2,503.67			
Contingent expense			3,455.83		3,455.83		3,455.83			
Fires, lights and incidentals			51,003.86	32,206.51	51,003.86	32,206.51	18,798.35			
Janitor fund			15,522.06		15,522.06		15,522.06			
President's office			2,219.45		2,219.45		2,219.45			
Public grounds			3,721.42	58.74	3,721.42	58.74	3,662.68			
Purchasing committee			1,739.98		1,739.98		1,739.98			
Registrar's office			1,164.48		1,164.48		1,164.48			
Sabbath services			489.53		489.53		489.53			
Secretary's office			1,183.55		1,183.55		1,183.55			
Treasurer's office			2,852.21		2,852.21		2,852.21			
Agricultural extension			206.00	206.00	206.00	206.00				
Engineering experiment station			237.25	237.25	237.25	237.25				
Good roads experimentation			133.40	133.40	133.40	133.40				

FIRST BIENNIAL REPORT

State appropriations		10,177.77	218,333.71	209,118.70	213,923.71	219,296.47				5,378.70
Total		\$ 38,823.97	\$ 605,536.99	\$ 609,626.18	\$ 605,626.99	\$ 648,450.15	\$ 269,881.38	\$ 298,041.84		\$14,062.70
Balance support funds							28,160.46			28,160.46
Cash to balance as follows—										
Support funds	\$ 19,005.15		9,155.31		28,160.46				28,160.46	
State appropriations	10,177.77			4,715.01	5,372.76				5,372.76	
Miscellaneous accounts	9,641.05			351.11	9,280.94				9,280.94	
Total	\$ 38,823.97	\$ 38,823.97	\$ 614,692.30	\$ 614,692.30	\$ 648,450.15	\$ 648,450.15	\$ 298,041.84	\$ 298,041.84	\$42,823.16	\$42,823.16

EXPERIMENT STATION, JUNE 30, 1910.

Government Appropriation—Adams				\$ 1,300.00		\$ 1,300.00		\$ 1,300.00		
Government Appropriation—Hatch				\$ 1,500.00		\$ 1,500.00		\$ 1,500.00		
State support	\$ 1,747.46		\$ 40,000.00			\$ 41,747.46		\$ 41,747.46		
Salaries section			\$ 29,724.87		\$ 29,724.87		\$ 29,724.87			
Agricultural engineering section			1,467.50	14.53	1,467.50	14.53	1,452.97			
Animal husbandry section			11,954.42	8,069.90	11,954.42	8,069.90	3,894.52			
Botanical section			658.35		658.35		658.35			
Bulletin section			5,980.55	.50	5,980.55	.50	5,980.05			
Chemical section			1,573.03	42.00	1,573.03	42.00	1,531.03			
Dairy section			575.01		575.01		575.01			
Dairy farm section			1,783.52		1,783.52		1,783.52			
Director's section			1,429.73		1,429.73		1,429.73			
Entomology section			943.88		943.88		943.88			
Farm crops section			4,301.07	1,337.70	4,301.07	1,337.70	2,963.37			
General expenses section			1,406.36		1,406.36		1,406.36			
Horticultural section			5,045.18	213.14	5,045.18	213.14	4,832.04			
Photography section			1,379.02	626.70	1,379.02	626.70	752.32			
Poultry section			1,293.29	218.65	1,293.29	218.65	1,074.64			
Soils section			5,245.82	1,136.84	5,245.82	1,136.84	4,108.98			
Veterinary section			380.16		380.16		380.16			
Total			\$ 75,141.76	\$ 79,649.96	\$ 75,141.76	\$ 81,397.42	\$ 63,491.80	\$ 69,747.46		
Balance	\$ 1,747.46		4,506.20		6,255.66		6,255.66			\$ 6,255.66
Total	\$ 1,747.46	\$ 1,747.46	\$ 79,649.96	\$ 79,649.96	\$ 81,397.42	\$ 81,397.42	\$ 69,747.46	\$ 69,747.46	\$ 6,255.66	\$ 6,255.66

IOWA STATE BOARD OF EDUCATION

	Balance July 1, 1909	Drawn from state treasurer	Expended during year	Balance June 30, 1910
Agricultural extension	\$ 4,131.97		\$ 4,131.97	
Agricultural extension		\$ 32,000.00	29,292.19	\$ 2,707.81
Agricultural hall furniture		7,500.00	7,490.84	9.16
Agricultural hall furniture		11,310.09	11,306.44	1.65
Books and periodicals	789.41		789.41	
Books and periodicals		4,900.00	4,553.24	346.76
Cataloger		600.00	600.00	
Central heating plant		7,475.23	7,475.23	
Engineering annex furniture		2,786.88	2,786.88	
Engineering experiment station	1,576.13		1,576.13	
Engineering experiment station		5,000.00	2,702.62	2,297.38
Equipment of departments		1,199.48	1,199.48	
Equipment of departments		5,506.15	5,506.15	
Good roads experimentation	24.42		24.42	
Good roads experimentation		5,000.00	4,999.60	.40
Horse breeding experiment	474.61		471.00	3.61
Pure bred stock		5,138.96	5,138.96	
Repairs and contingent	3,034.40		3,034.40	
Repairs and contingent		36,000.00	35,994.01	5.99
Sidewalks and grading	42.40		5,826.51	
Special building tax		78,917.80	78,917.80	
Water system improvement	104.43		104.43	
Total	\$ 10,177.77	\$ 209,118.70	\$ 213,923.71	\$ 5,373.76

APPENDIX TO BIENNIAL REPORT
OF THE

COLLEGE OF AGRICULTURE AND MECHANIC ARTS.

The following statement of the expenditures of the Iowa State College was prepared for insertion in the Report of the Executive Council. A change in the law has released the college from making such statement in that publication. It is deemed advisable, however, to publish the same as a part of the biennial report of the institution. Such parts of the original statement as would seem to duplicate in any way the exhibits in the biennial report are given in summarized form. These expenditures are set forth under the following exhibits:

- I. Salaries paid professors, assistant professors and administrative officers, 1908-1909.
- II. Salaries paid professors, assistant professors and administrative officers, 1909-1910.
- III. Salaries paid instructors and assistants, 1908-1909.
- IV. Salaries paid instructors and assistants, 1909-1910.
- V. Current expenses of educational departments.
- VI. Administrative and general expenses.
- VII. Buildings and grounds (exclusive of repairs).
- VIII. Agricultural extension work.
- IX. Experiment funds.
- X. Building and equipment funds.

I. SALARIES PAID PROFESSORS AND ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1908-1909.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
A. B. Storms, president and dean of science division		\$ 5,000.00	\$ 5,000.00
E. W. Stanton, mathematics, dean of junior college, secretary board of trustees		3,000.00	3,000.00
C. F. Curtiss, dean of agriculture, director of experiment station	\$ 2,000.00	2,000.00	4,000.00
J. R. Lincoln, military science		1,000.00	1,000.00
		*250.00	
Anson Marston, civil engineering, dean of engineering and college engineer		†200.00	
S. A. Beach, horticulture, vice-dean of agriculture	1,500.00	2,550.00	3,000.00
S. W. Beyer, mining engineering, vice dean of engineering department. Two months at \$2,000, ten months at \$2,750 per annum		1,500.00	3,000.00
		*16.66	
		2,641.67	2,658.33

I. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
C. H. Stange, veterinary and dean of veterinary department, two months at \$1,500, five months and three days at \$1,600, four months and twenty-seven days at \$2,000 per annum	245.40	1,501.25	1,746.65
J. H. McNeill, veterinary, two and one-half months at \$2,200 per annum	62.50	395.82	458.32
Maria M. Roberts, mathematics and vice dean of junior college, two months at \$1,400, and ten months at \$1,500 per annum		1,483.33	1,483.33
W. J. Kennedy, animal husbandry, vice director of experiment station	1,250.00	1,250.00	2,750.00
L. H. Pammel, botany, station botanist	300.00	1,800.00	2,100.00
A. A. Bennett, chemistry		2,100.00	2,100.00
G. L. McKay, dairying two months at \$2,200 per annum	66.66	300.00	366.66
M. Mortensen, dairying, eight months at \$2,000 per annum		1,333.33	1,333.33
Mrs. Alice Dynes Feuling, domestic science, two months at \$1,800, ten months at \$1,900 per annum		1,883.33	1,883.33
F. A. Fish, electrical engineering, two months at \$1,000, ten months at \$2,000 per annum		1,966.66	1,966.66
A. B. Noble, English, two months at \$1,800, ten months at \$1,900 per annum		1,883.34	1,883.34
O. H. Cessna, history and psychology, college chaplain		2,300.00	2,300.00
W. H. Meeker, mechanical engineering, two months at \$2,800, ten months at \$2,500 per annum		*33.33 1366.67 2,066.66	2,466.66
Lizzie M. Allis, modern language		1,400.00	1,400.00
L. B. Spinney, physics, two months at \$2,200, ten months at \$2,250 per annum		2,208.33 *33.33	2,241.66
A. M. Newens, elocution and public speaking, two months at \$1,800 per annum		300.00	300.00
A. MacMurray, elocution and public speaking ten months at \$1,800 per annum		1,500.00	1,500.00
H. E. Summers, zoology, station entomologist, two months at \$1,900, ten months at \$2,000 per annum	383.33	1,600.00	1,983.33
J. B. Davidson, agricultural engineering, two months at \$1,800, ten months at \$1,950	887.50	1,087.50	1,925.00
M. L. Bowman, farm crops	800.00	800.00	1,600.00
H. C. Pierce, poultry, two months at \$1,000, ten months at \$1,200 per annum	500.00	\$166.66 500.00	1,666.66
W. H. Stevenson, soils, two months at \$2,250, ten months at \$2,500 per annum	1,229.17	1,229.16	2,458.33
R. C. Barrett, civics, paid for first semester and part of second semester		1,641.01	1,641.01
B. H. Hibbard, economic science, at \$2,000		1,800.00	1,800.00
Herman Knapp, college treasurer, registrar, superintendent of college book store	250.00	100.00 1,550.00	1,800.00
Marion H. Kilbourn, dean of women		900.00	900.00
Vina E. Clark, librarian, ten months at \$1,100 per annum	83.33	833.33	916.66
T. H. MacDonald, good roads experimentation		\$1,800.00	1,800.00
J. P. Watson, physical director		1,800.00	1,800.00
Dr. C. G. Tilden, college physician		1,100.00	1,100.00
J. A. McLean, animal husbandry, three months at \$1,800 per annum	150.00	1,300.00	1,450.00
W. H. Peters, animal husbandry, three months at \$1,000 per annum		300.00	450.00
		249.99	249.99

I. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
Wayne Dinsmore, animal husbandry		1,800.00	1,800.00
R. E. Buchanan, botany, two months at \$1,200 ten months at \$1,500 per annum	83.33	1,366.67	1,450.00
W. F. Coover, agricultural chemistry, two months at \$1,600, ten months at \$1,800 per annum		1,766.66 1,900.00	1,766.66 1,900.00
Lola Placeway, chemistry		†300.00	300.00
J. E. Kirkham, civil engineering		1,700.00	2,000.00
C. B. Stanton, civil engineering		1,700.00	1,700.00
H. C. Ford, civil engineering		1,500.00	1,500.00
M. I. Evinger, civil engineering, ten months at \$1,000 per annum		1,000.00	1,000.00
R. H. Porter, civil engineering, ten months at \$1,200 per annum		1,000.00	1,000.00
F. W. Bouska, dairying, two months at \$1,600 per annum	83.34	183.32	266.66
H. G. Van Felt, superintendent of dairy farm, two months at \$1,500, ten months at \$1,700 per annum	833.33	833.33	1,666.66
John Bower, dairying, two months at \$1,200, ten months at \$1,400 per annum	624.97	683.33	1,308.30
Mrs. Georgetta Watters, domestic science, six months at \$850 per annum		425.00	425.00
Helen Donovan, domestic science		1,800.00	1,800.00
Ruth Morrison, domestic science, eight months at \$850 per annum		566.66	566.66
J. E. Brindley, economics, ten months at \$1,000 per annum		1,000.00	1,000.00
Adolph Shane, electrical engineering, two months at \$1,400, ten months at \$1,700 per annum		1,650.00	1,650.00
W. B. Anderson, physics and electrical engineering, two months at \$1,250, ten months at \$1,300 per annum		1,291.66	1,291.66
A. H. Hoffman, physics and electrical engineering, two months at \$1,000, ten months at \$1,050 per annum		1,041.66	1,041.66
Sybil M. Lentner, elocution and public speaking ten months at \$1,000 per annum		833.33	833.33
Elizabeth Maclean, English		1,100.00	1,100.00
Dora G. Tompkins, English, ten months at \$900 per annum		750.00	750.00
Julia Vaulx, English, ten months at \$900 per annum		750.00	750.00
H. G. Bell, farm crops		1,200.00	1,200.00
B. W. Crossley, farm crops, two months at \$900, ten months at \$1,200 per annum		1,150.00	1,150.00
C. A. Scott, horticulture	999.99	999.99	1,999.98
L. B. Schmidt, history		1,200.00	1,200.00
A. T. Erwin, horticulture, station horticulturist, two months at \$1,000, ten months at \$2,000 per annum	983.33 100.00	983.33 700.00	1,966.66 800.00
Carolyn Grimsby, reference librarian		700.00	700.00
E. A. Pattengill, mathematics, two months at \$1,200, ten months at \$1,300 per annum		1,283.33	1,283.33
Julia Colpitts, mathematics		1,000.00	1,000.00
W. M. Wilson, mechanical engineering, two months at \$1,700 per annum		283.32	283.32
C. C. Major, mechanical engineering, ten months at \$1,700 per annum		1,416.66	1,416.66
F. G. Allen, mechanical engineering		1,400.00	1,400.00
M. P. Cleghorn, mechanical engineering, two months at \$1,400, ten months at \$1,500 per annum		1,483.33	1,483.33

I. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
R. A. Norman, mechanical engineering.....		1,200.00	1,200.00
		*16.67	
I. A. Williams, mining engineering.....		1,783.33	1,800.00
L. C. Hodson, mining engineering, two months at \$1,700, ten months at \$1,800 per annum.....		1,723.33	1,723.33
Winifred Tilden, public speaking, ten months at \$700 per annum.....		583.33	583.33
R. R. Dykstra, veterinary, two months at \$1,600, ten months at \$1,800 per annum.....		1,766.66	1,766.66
W. E. Madson, veterinary, two months at \$1,500, ten months at \$1,600 per annum.....		1,583.33	1,583.33
H. E. Bemis, veterinary, ten months at \$2,400.....		1,166.66	1,166.66
J. E. Guthrie, zoology.....		1,400.00	1,400.00
C. U. Henderson, non-resident, civics lecturer.....		150.00	150.00
F. E. Colburn, station photographer.....	1,700.00		1,700.00
J. O. Schaub, soils experimentalist, nine months at \$1,700 per annum.....	1,274.94		1,274.94
E. E. Little, horticulture.....	1,200.00		1,200.00
L. G. Michael, chemistry section, two months at \$1,700 per annum, ten months at \$2,000 per annum.....	1,950.00		1,950.00
Totals.....	\$ 19,491.12	\$ 112,446.25	\$ 131,937.37

NOTE—Of the salaries included in the columns headed "Paid From Other College Funds," the following were paid from funds other than the educational support fund:

	Engineering experiment station	Repair and contingent fund	Live stock experiment-ation	Agricultural extension	Good roads experiment-ation	Hospital	Total
Anson Marston.....	\$ 250.00	\$ 200.00					\$ 450.00
S. W. Beyer.....	16.66						16.66
W. J. Kennedy.....			\$ 250.00				250.00
W. H. Meeker.....	33.33	366.67					400.00
L. B. Spinney.....	33.33						33.33
H. C. Pierce.....				\$ 166.66			166.66
Herman Knapp.....		100.00					100.00
T. H. MacDonald.....					\$ 1,800.00		1,800.00
C. G. Tilden.....						\$ 300.00	300.00
J. E. Kirkham.....						300.00	300.00
I. A. Williams.....	16.67						16.67
Total.....	\$ 349.99	\$ 666.67	\$ 250.00	\$ 166.66	\$ 2,100.00	\$ 300.00	\$ 3,833.33

This leaves as chargeable to the College Support Fund the sum of \$108,612.08.

II. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS, AND ADMINISTRATIVE OFFICERS, 1900-1910.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
A. B. Storm, president and dean of science division.....		5,000.00	5,000.00
E. W. Stanton, mathematics, dean of Junior College, secretary of college.....		3,250.00	3,250.00
C. F. Curtiss, dean of agriculture, director of experiment station.....	2,000.00	2,000.00	4,000.00
J. R. Lincoln, military science, two months at \$1,000, ten months at \$1,100.....		1,083.33	1,083.33
		2,716.66	
Anson Marston, civil engineering, dean of engineering and college engineer.....		*250.00	
		133.24	3,000.00
S. A. Beach, horiticulture, vice dean of agriculture.....	1,500.00	1,500.00	3,000.00
S. W. Beyer, mining engineer, vice dean of engineering, two months at \$2,750, ten months at \$3,000.....		2,958.33	2,958.33
C. H. Stange, veterinary and dean of veterinary medicine.....	383.34	1,616.66	2,000.00
Maria M. Roberts, mathematics and vice dean of Junior College, two months at \$1,500, ten months at \$1,600.....		1,583.33	1,583.33
W. J. Kennedy, animal husbandry, vice director of experiment station.....	1,354.17	1,687.50	3,041.67
L. H. Pammel, botany, station botanist, two months at \$2,100, ten months at \$2,400.....	383.34	1,666.66	2,350.00
A. A. Bennett, chemistry, two months at \$2,100, ten months at \$2,400.....		2,350.00	2,350.00
M. Mortensen, dairying, two months at \$2,000, ten months at \$2,200.....	916.66	1,250.00	2,166.66
Mrs. Alice Dynes Feuling, domestic science, two months at \$1,900, ten months at \$2,000.....		1,983.33	1,983.33
F. A. Fish, electrical engineering, two months at \$2,000, ten months at \$2,200.....		2,166.66	2,166.66
A. B. Noble, English, two months at \$1,900, ten months at \$2,100.....		2,066.66	2,066.66
O. H. Cessna, history and psychology, college chaplain, two months at \$2,300, ten months at \$2,500.....		2,466.66	2,466.66
		1803.32	
		2,196.68	2,500.00
W. H. Meeker, mechanical engineering.....			
Lizzie M. Allis, modern language, two months at \$1,400.....		233.32	233.32
Fletcher Briggs, modern language, 10 months at \$1,800 per annum.....		1,500.00	1,500.00
L. B. Spinney, physics, two months at \$2,250, ten months at \$2,400.....		2,375.00	2,375.00
A. MacMurray, elocution and public speaking.....		1,800.00	1,800.00
H. E. Summers, zoology and station entomologist, two months at \$2,000, ten months at \$2,100.....	400.00	1,683.33	2,083.33
J. B. Davidson, agricultural engineering, two months at \$1,950, ten months at \$2,500.....	1,137.50	1,137.50	2,275.00
Marion H. Kilbourne, dean of women, two months at \$300 per annum.....		150.00	150.00
		345.83	
		133.22	724.97
H. C. Pierce, poultry, two months at \$1,200, four and one-half months at \$1,400.....	345.82		
W. H. Stevenson, soils, two months at \$2,500, ten months at \$2,750.....	1,354.17	1,354.17	2,708.34
B. H. Hibbard, economic science, two months at \$1,800, ten months at \$2,400.....		2,300.00	2,300.00
Herman Knapp, college treasurer, registrar, superintendent of college book store, three months at \$2,000, nine months at \$2,500.....	250.00	2,024.00	2,274.90

II. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	To 1
Vina E. Clark, librarian.....	100.00	1,000.00	1,100.00
T. H. MacDonald, good roads experimentation.....		†2,000.00	2,000.00
J. P. Watson, physical director.....		1,800.00	1,800.00
Dr. C. G. Tilden, college physician.....		1,100.00	1,400.00
		**300.00	
R. E. Buchanan, bacteriology, two months at \$1,500, ten months at \$2,000.....	183.33	1,733.34	1,916.67
Wayne Dinsmore, animal husbandry, two months at \$1,800, ten months at \$2,200.....		2,133.33	2,133.33
A. T. Erwin, horticulture.....		2,000.00	2,000.00
H. G. Bell, farm crops, two months at \$1,200, four and one-half months at \$1,500.....		762.50	762.50
W. B. Anderson, physics and electrical engineering, two months at \$1,300, ten months at \$1,500.....		1,466.67	1,466.67
J. F. Barker, asst. Prof. of soils, two months at \$1,000, ten months at \$1,200.....		1,166.67	1,166.67
Wm. M. Barr, mining engineering, ten months at \$1,600.....		1,333.33	1,333.33
C. E. Bartholomew, zoology, ten months at \$1,400.....		1,166.67	1,666.67
H. E. Bemis, veterinary, two months at \$1,400, ten months at \$1,600.....		1,566.66	1,566.66
J. E. Brindley, economic science, two months at \$1,200, ten months at \$1,500.....		1,450.00	1,450.00
M. P. Cleghorn, mechanical engineering, two months at \$1,500, ten months at \$1,800.....		1,750.00	1,750.00
Julia Colpitts, mathematics, two months at \$1,000, ten months at \$1,200.....		1,166.67	1,166.67
W. F. Coover, chemistry, two months at \$1,800, ten months at \$1,900.....		1,883.33	1,883.33
R. W. Crum, civil engineering, acting professor of civil engineering, ten months at \$1,200 per annum.....		1,000.00	1,000.00
W. W. Dimock, veterinary, ten months at \$1,800.....	652.50	652.50	1,305.00
R. R. Dykstra, veterinary, professor of obstetrics.....		1,800.00	1,800.00
Estelle D. Buchanan, asst. prof. of botany, ten months at \$1,000.....		833.33	833.33
H. C. Ford, civil engineering, two months at \$1,500, ten months at \$1,600.....		1,583.33	1,583.33
Lulu Graves, domestic science, ten months at \$1,000.....		833.30	833.30
W. H. Gray, civil engineering, ten months at \$1,500.....		1,250.00	1,250.00
Carolyn Grimsby, reference librarian, two months at \$800, ten months at \$850.....	16.66	825.00	841.66
G. T. Guthrie, dairy, ten months at \$1,200.....		1,000.00	1,000.00
J. E. Guthrie, zoology, two months at \$1,400, ten months at \$1,600.....		1,566.67	1,566.67
Mildred MacLean, English, five months at \$95 per month.....		475.00	475.00
Elizabeth Maclean, English.....		866.64	866.64
Elizabeth Moore, English, ten months at \$950.....		791.67	791.67
W. R. Raymond, English, asst. professor, ten months at \$1,200.....		1,000.00	1,000.00
Dora G. Tompkins, English, two months at \$800, ten months at \$950.....		941.67	941.67
Julia Vaux, English, two months at \$900, six months at \$950.....		625.00	625.00
E. W. Hamilton, agricultural engineering, (assistant professor), ten months at \$1,200.....		1,000.00	1,000.00

II. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
L. C. Hodson, mining engineering, two months at \$1,800, ten months at \$1,850.....		1,841.67	1,841.67
A. H. Hoffman, physics, two months at \$1,050, ten months at \$1,300.....		1,258.33	1,258.33
H. D. Hughes, farm crops, five and one-half months at \$2,250 per annum.....	515.62	515.63	1,031.25
J. E. Kirkham, civil engineering, two months at \$2,000, ten months at \$2,100.....		1,783.33	2,083.33
Archibald Lietch, animal husbandry, ten months at \$1,600.....	666.67	666.67	1,333.34
Sybil Lentner, public speaking.....		1,000.00	1,000.00
W. E. Madson, veterinary, two months at \$1,600.....		266.66	266.66
C. C. Major, mechanical engineering, two months at \$1,700, ten months at \$1,800.....		1,783.33	1,783.33
H. S. Murphy, assistant professor of veterinary, ten months at \$1,600.....		1,333.34	1,333.34
Ira J. McBeth, assistant professor of farm crops, ten months at \$1,500.....	625.00	625.00	1,250.00
R. A. Norman, mechanical engineering, two months at \$1,200, ten months at \$1,400.....		1,366.67	1,366.67
E. A. Pattengill, mathematics, two months at \$1,300, ten months at \$1,400.....		1,383.33	1,383.33
W. H. Pew, animal husbandry, ten months at \$1,400.....		1,166.67	1,166.67
Lola Placeway, chemistry, two months at \$1,200, ten months at \$1,300.....		1,283.33	1,283.33
R. H. Porter, mechanical engineering, two months at \$1,200, ten months at \$1,400.....		1,366.67	1,366.67
Harry B. Potter, farm crops, five months at \$1,400.....		583.33	583.33
Lelia Purdy, domestic science, ten months at \$1,200.....		833.33	833.33
R. E. Roudebush, mechanical engineering, ten months at \$1,500.....		1,250.00	1,250.00
L. B. Schmidt, history, two months at \$1,200, ten months at \$1,600.....		1,533.33	1,533.33
Adolph Shane, electrical engineering, two months at \$1,700, ten months at \$1,800.....		1,783.33	1,783.33
C. B. Stanton, civil engineering, two months at \$1,700, ten months at \$1,800.....		1,783.33	1,783.33
A. V. Storm, secondary schools, two months at \$2,200, ten months at \$2,400.....		500.00	2,366.67
Winifred Tilden, physical culture, two months at \$700, ten months at \$850.....		825.00	825.00
E. N. Wentworth, assistant professor of animal husbandry, ten months at \$1,400.....		1,166.67	1,166.67
I. A. Williams, mining engineering, two months at \$1,800, ten months at \$1,850.....		1,841.67	1,841.67
F. G. Allen, mechanical engineering, two months at \$1,400.....		233.32	233.32
John Bower, dairy, two months at \$700.....		116.66	116.66
M. L. Bowman, farm crops, two months at \$1,600 per annum.....	183.34	183.33	366.66
B. W. Crossley, farm crops, two months at \$1,200, four and one-half months at \$1,500.....		762.50	762.50
Helen Donovan, domestic science, two months at \$1,200 per annum.....		200.00	200.00
M. I. Evinger, civil engineering, two months at \$1,200 per annum.....		200.00	200.00
C. A. Scott, horticulture and forestry.....	1,000.00	1,000.00	2,000.00
F. E. Colburn, photographer.....	1,700.00		1,700.00
J. H. Crisswell, field superintendent, 1 month at \$1,100.....	91.66		91.66

II. SALARIES PAID PROFESSORS, ASSISTANT PROFESSORS AND ADMINISTRATIVE OFFICERS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
L. W. Forman, field superintendent, four months at \$1,000	333.32		333.32
Laurenz Greene, horticulture	1,500.00		1,500.00
S. L. Jodidi, soils chemist	1,700.00		1,700.00
H. H. Kildee, animal husbandry	1,500.00		1,500.00
Charlotte M. King, botany section	1,000.00		1,000.00
M. L. King, agricultural engineering, two months at \$1,500, ten months at \$1,800	1,750.00		1,750.00
E. E. Little, horticulture, four and one-third months at \$1,200 per annum	431.67		431.67
L. G. Michael, chemistry, two months at \$2,000, three months at \$2,200	883.31		883.31
R. L. Webster, entomology, two months at \$1,200, ten months at \$1,300	1,283.33		1,283.33
Totals	\$ 26,091.41	\$ 132,792.05	\$ 158,884.36

NOTE—Of the salaries included in the column headed "Support Fund and Other College Funds," the following were paid from funds other than the educational support fund:

To Whom Paid	Engineering experiment station	Repair and contingent fund	Agricultural extension	Good roads	Hospital	Total
A. Marston	\$ 250.00	\$ 33.34				\$ 283.34
W. H. Meeker		308.32				308.32
H. C. Pierce			\$ 33.32			33.32
T. H. McDonald				\$ 2,000.00		2,000.00
J. E. Kirkham				300.00		300.00
Dr. C. G. Tilden					\$ 300.00	300.00
A. V. Storm			1,866.67			1,866.67
Totals	\$ 250.00	\$ 336.66	\$ 1,899.99	\$ 2,300.00	\$ 300.00	\$ 5,086.65

This leaves \$127,706.30 chargeable to the College Support Fund.

III. SALARIES PAID INSTRUCTORS AND ASSISTANTS—1908-1909.

George Mitchell, farm foreman, at \$1,000 per annum	\$	999.96	\$	999.96
E. N. Wentworth, assistant in animal husbandry, ten months at \$80 per month, also received from Clay Robinson fellowship		800.00	*200.00	1,000.00
C. M. Evans, student assistant in animal husbandry department, from Clay Robinson fellowship		150.00		150.00
E. T. Robbins, animal husbandry, two months at \$1,250 per annum, and ten months at \$1,500 per annum	\$	1,233.34		1,233.34
E. W. Hamilton, agricultural engineering, ten months at \$90.00 per month			††200.00 700.00	900.00

III. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
H. H. Kildee, asst. in A. H. Dept., 6 months at \$1,000, from Clay Robinson, fellowship		499.99 100.00	599.99
J. T. Hoover, agricultural engineering department, two months		83.34 ††20.00	133.31
R. E. Carr, agricultural engineering, six months and three days at \$70 per month		273.46	425.38
C. O. Alexander, agricultural engineering department, five months and ten days at \$70 per month		151.92	374.22
D. W. Sylvester, agricultural engineering, ten months		133.65 249.00 415.70	666.70
C. V. Gregory, bulletin editor, paid by hour during July and August, eight months at \$50 two months at \$25 per month	294.50	150.00	494.50
L. E. Carter, bulletin editor, one month at \$62.50 per month	62.50		62.50
Estelle D. Fogel, instructor in botany, ten months at \$85.00 per month		850.00	850.00
Harriett Kellogg, assistant in botany, ten months at \$30 per month	300.00	300.00	600.00
Ada Hayden, student assistant in botany department, three months at \$10 per month, and seven months at \$17 per month		149.00	149.00
R. E. Jeffs, assistant in botany department, eight months at \$31.25 per month		250.00	250.00
Chas. Murray, assistant in botany department, ten months at \$15 per month		150.00	150.00
Charlotte M. King, artist in botany department, at \$1,000 per annum, \$22.80 charged to current expense fund	977.20		977.20
Lola Stephens, instructor in chemistry department, ten months at \$75 per month		750.00	750.00
R. E. Smith, assistant chemistry department, five months at \$50 per month		250.00	250.00
Melissa Flynn, instructor in chemistry department, ten months at \$65 per month		650.00	650.00
Laura Taggart, instructor in chemistry, ten months at \$65 per month		650.00	650.00
W. R. Getchell, instructor in chemistry department, ten months at \$65 per month		650.00	650.00
Lillian Lister, instructor in chemistry department, ten months at \$50 per month		500.00	500.00
F. G. Churchill, assistant in chemistry department, three months at \$50 per month		150.00	150.00
Student assistants in chemistry department paid by hour		40.95	45.95
J. Wershow, assistant in chemistry section, three months and five days at \$60 per month	100.00		190.00
B. A. Madson, assistant in chemistry section, ten months at \$50, irregular labor at same rate	520.94		520.94
Students assistants, chemistry section paid by hour	397.53		397.58
Stella Hartzell, assistant in chemistry section, per annum	780.00		780.00
R. L. Webster, assistant in entomology, per annum	1,200.00		1,200.00
R. W. Crum, instructor in civil engineering, ten months at \$90 per month		900.00	900.00
D. W. Wheeler, instructor in civil engineering, ten months at \$60 per month		600.00	600.00

III. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
F. M. Okey, in charge of sewage disposal plants and drainage investigation, paid for July, \$79.16. Beginning August first, \$85 per month for eleven months.		27.61	
T. E. Culp, assistant in dairying, eight months at \$75 per month.		*868.19	
Mabel Campbell, instructor in domestic economy, ten months at \$70 per month.		†118.36	1,014.16
Student assistant in domestic economy, eight and two-thirds months at \$25 per month.		600.00	600.00
William Kunerth, instructor in electrical engineering, ten months at \$80 per month.		700.00	700.00
M. W. Pullen, instructor in electrical engineering, nine months at \$80 per month.		216.67	216.67
H. A. McCune, electrical engineering, one month at \$80 per month.		800.00	800.00
W. R. Raymond, instructor in English, ten months at \$110 per month.		720.00	720.00
Ruth B. Safford, instructor in English, ten months at \$65 per month.		80.00	80.00
W. D. Foster, instructor in English, ten months at \$80 per month.		1,100.00	1,100.00
Mary M. Morris, instructor in English, ten months at \$70 per month.		650.00	650.00
Mabel Rundall, instructor in English, ten months at \$35 per month.		800.00	800.00
F. W. Meyer, gardener, nine months at \$650 per annum.		350.00	350.00
Julius Erdmann, gardener, three months at \$750 per annum.		487.58	487.58
Ethyl Cessna, instructor in history, ten months at \$75 per month.		187.50	187.50
Carrie Watters, instructor in history, nine months at \$90 per month.		750.00	750.00
Laurenz Green, assistant in horticulture, four months at \$70 and six months at \$95 per month.		540.00	540.00
L. C. Burnett, farm crops, also receives \$1,000 per annum from United States Government.	499.92	850.00	850.00
J. H. Criswell, farm crops, two months at \$1,000 per annum, and ten months at \$1,100 per annum.	1,083.26		1,083.26
Vera Dixon, library, ten months at \$60 per month.		600.00	600.00
Caroline Laird, engineering library, nine months at \$60 per month.		540.00	540.00
Margaret Forgeus, cataloguer, per annum.		800.00	800.00
Student assistants, library, paid by hour.		150.56	150.56
Ward M. Jones, instructor in mathematics, ten months at \$110 per month.		1,100.00	1,100.00
Annie Fleming, instructor in mathematics, ten months at \$90 per month.		900.00	900.00
Helen F. Smith, instructor in mathematics, ten months at \$90 per month.		900.00	900.00
Agnes Mosher, instructor in mathematics, ten months at \$80 per month.		800.00	800.00
Student assistants in mathematics, paid by hour.		184.80	184.80
J. G. Hummel, instructor in mechanical engineering, ten months at \$100 per month.		1,000.00	1,000.00
E. C. Potter, instructor in mechanical engineering, ten months at \$90 per month.		900.00	900.00
John T. Bates, instructor in mechanical engineering, ten months at \$70 per month.		700.00	700.00
E. M. Spangler, instructor in mechanical engineering, eight months at \$60 per month.		480.00	480.00
J. B. Varela, instructor in mechanical engineering, ten months at \$80 per month.		800.00	800.00

III. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1908-1909.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
J. W. Cameron, mechanical engineering, ten months at \$80 per month.		800.00	800.00
John Sawin, mechanical engineering, ten months at \$80 per month.		800.00	800.00
T. R. Minert, mechanical engineering, ten months at \$80 per month.		800.00	800.00
Student assistants, mechanical engineering, paid by hour.		395.00	395.00
C. E. Ellis, mining engineering, and engineering experiment station, per annum.		*600.00	
Louise M. Peters, instructor in modern language, ten months at \$100 per month.		600.00	1,200.00
Mary P. Fairfield, instructor modern language, ten months at \$75 per month.		1,000.00	1,000.00
Lisle McCollom Michael, modern language, one month.		750.00	750.00
Grace Norton, modern language, ten months at \$90 per month.		90.00	90.00
Daisy A. Arville, modern language, ten months at \$70 per month.		900.00	900.00
Ingeborg Lommen, modern language, ten months at \$85 per month.		700.00	700.00
Marie Zimmerman, modern language, nine months at \$80 per month.		850.00	850.00
Emma Wenholtz, student assistant in modern language, ten months at \$10 per month.		720.00	720.00
Fredrika Shattuck, instructor in public speaking, nine months at \$80 per month.		100.00	100.00
J. F. Barker, instructor in soils, per annum.		720.00	720.00
George Judisch, veterinary lecturer, two payments.		1,000.00	1,000.00
C. E. Bartholomew, instructor in zoology, ten months at \$110 per month.		50.00	50.00
Henry Ness, assistant in zoology, ten months at \$50 per month.		1,100.00	1,100.00
C. R. Shumway, student assistant in zoology, ten months at \$15 per month.		500.00	500.00
Mrs. Emma Cunningham, matron, ten months at \$50 per month.		150.00	150.00
C. Mundhenk, band instructor, in two payments.		500.00	500.00
Mr. and Mrs. A. S. Thompson, music.		300.00	300.00
M. L. King, agricultural engineering.		500.00	500.00
	1,433.34		1,433.34
Totals	\$ 8,942.53	\$ 46,415.76	\$ 55,358.29

III. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1908-1909.—CONTINUED.

NOTE—Of the salaries included in the column headed "Paid from Other College Funds," the following were paid from funds other than the educational support fund:

	Sales and repairs	Good roads	Engineering experiment station	Repairs and contingent	Total
J. T. Hoover.....	\$ 30.00	\$ 20.00			\$ 50.00
E. W. Hamilton.....		200.00			200.00
R. E. Carr.....	151.92				151.92
C. O. Alexander.....	133.65				133.65
D. W. Sylvester.....	150.00	100.00			250.00
F. M. Okey.....			\$ 868.19	118.36	986.55
C. E. Ellis.....			600.00		600.00
Totals.....	\$ 465.57	\$ 320.00	\$ 1,468.19	\$ 118.36	\$ 2,372.12

This leaves \$4,013.64 chargeable to the College Support Fund.

IV. SALARIES PAID INSTRUCTORS AND ASSISTANTS.

1909-1910.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
George Mitchell, farm foreman, two months at \$1,000 per annum, ten months at \$1,200 per annum.....		\$ 1,166.66	\$ 1,166.66
C. O. Alexander, assistant in agricultural engineering, paid during July and August \$127.50, ten months at \$90 per month.....		37.50	1,027.50
J. R. Campbell, assistant in botany, seven months at \$42.50 per month.....		297.50	297.50
Edna Pammel, assistant in botany, three months at \$21.25 per month.....		63.75	63.75
John Patterson, assistant in botany, three months at \$21.25 per month.....		63.75	63.75
Herriette Kellogg, assistant in botany.....	\$ 341.68	350.00	691.68
Louise Falk, student assistant in botany, one month.....		14.00	14.00
R. E. Jeffs, instructor in botany, ten months at \$50 per month.....		500.00	500.00
Chester Fowler, instructor in chemistry, ten months at \$80 per month.....		800.00	800.00
Sophie Hargis, instructor in chemistry, ten months at \$65 per month.....		650.00	650.00
Orin L. Kipp, instructor in chemistry, ten months at \$70 per month.....		700.00	700.00
Jesse McKeen, instructor in chemistry, ten months at \$75 per month.....		750.00	750.00
Nelle Naylor, instructor in chemistry, ten months at \$60 per month.....		600.00	600.00
Lola Stephens, instructor in chemistry, ten months at \$85 per month.....		850.00	850.00
Laura Taggart, instructor in chemistry, ten months at \$80 per month.....		800.00	800.00
Jan Buys, assistant in chemistry section.....	250.00		250.00

IV. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
S. C. Guernsey, assistant in chemistry section, per annum.....	600.00		600.00
Stella Hartzell, chemical section, two months at \$65 per month, ten months at \$75 per month.....	880.00		880.00
B. A. Madson, assistant in chemical section, four months and twelve days at \$50 per month.....	220.00		220.00
John H. Gordon, dairy bacteriology, first semester.....	258.46	258.46	516.92
C. V. Gregory, bulletin editor.....	300.00	550.00	850.00
L. C. Burnett, farm crops section, two months at \$500 per annum, ten months at \$600 per annum, also receives \$1,000 from United States Government.....	533.32		533.32
C. A. Baughman, instructor in civil engineering, ten months at \$80 per month.....		800.00	800.00
V. D. Beard, instructor in civil engineering, ten months at \$80 per month.....		800.00	800.00
Student assistants in civil engineering, paid by hour.....		456.59	456.59
Bruce A. Cole, mechanician, one-half time civil engineering, one-half time electrical engineering, at \$900 per annum.....		666.60	666.60
Charles Murray, assistant in bacteriology, ten months at \$60 per month.....		600.00	600.00
Roy Truax, assistant in bacteriology, ten months at \$30 per month.....		300.00	300.00
Julius Erdman, gardener, two months at \$92.50 per month, one month at \$65.....		190.00	190.00
John Reardon, in place of Mr. Erdman, nine months and ten days at \$65 per month.....		601.50	601.50
R. S. Mackintosh, instructor in horticulture, ten months at \$100 per month.....		1,000.00	1,000.00
F. L. Odell, instructor in dairying, six months at \$125 per month, salary for one-half year charged to current expense of dairy department.....		750.00	750.00
Francis W. Dickey, instructor in economics, ten months at \$100 per month.....		1,000.00	1,000.00
Hearty Earl Brown, instructor in English, five months at \$80 per month.....		400.00	400.00
Esther L. Cooper, instructor in English, ten months at \$75 per month.....		750.00	750.00
G. R. MacMinn, instructor in English, ten months at \$100 per month.....		1,000.00	1,000.00
Mary M. Morris, instructor in English, ten months at \$75 per month.....		750.00	750.00
Ruth B. Safford, instructor in English, ten months at \$75 per month.....		750.00	750.00
Student assistants in English paid by hour.....		253.20	253.20
D. W. Sylvester, instructor in agricultural engineering, repair labor during July and August, after September first, \$90 per month.....		15.00	
Daisy A. Arville, instructor in modern language, ten months at \$90 per month.....		20.00	
Mary P. Fairfield, instructor in modern language, ten months at \$90 per month.....		983.34	1,018.34
Ingeborg Lommen, instructor in modern language, ten months at \$90 per month.....		900.00	900.00
Grace I. Norton, instructor in modern language, ten months at \$90 per month.....		900.00	900.00
Louise Peters, instructor in modern language, ten months at \$100 per month.....		1,000.00	1,000.00
Marie Zimmerman, instructor in modern language, ten months at \$90 per month.....		1,000.00	1,000.00
John Bates, instructor in mechanical engineering laboratory, ten months at \$100 per month.....		900.00	900.00
		1,000.00	1,000.00

IV. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
J. W. Cameron, instructor in mechanical engineering forge shop, ten months at \$90 per month		900.00	900.00
John Hugg, instructor in mechanical engineering machine shop, ten months at \$70 per month		700.00	700.00
J. G. Hummel, instructor in mechanical engineering machine shop, ten months at \$100 per month		1,000.00	1,000.00
N. Leerberg, instructor in mechanical engineering drawing room, ten months at \$80 per month		800.00	800.00
E. C. Potter, instructor in mechanical engineering pattern shop, ten months at \$90 per month		900.00	900.00
John Sawin, instructor in mechanical engineering foundry, ten months at \$90 per month		900.00	900.00
E. M. Spangler, instructor in mechanical engineering pattern shop, ten months at \$70 per month		700.00	700.00
J. B. Varela, instructor in mechanical engineering drawing room, ten months at \$100 per month		1,000.00	1,000.00
Students assistants, mechanical engineering—John Baughman, mechanic physics, paid by hour		225.00	225.00
Students assistants, physics, paid by the hour		154.44	154.44
W. A. Bevan, instructor in physics, ten months at \$80 per month		800.00	800.00
H. J. Plagge, instructor in physics, ten months at \$90 per month		900.00	900.00
Mabel Campbell, instructor in domestic economy, ten months at \$80 per month		800.00	800.00
Ethel McDonald, student assistant in domestic economy, ten months at \$25 per month		250.00	250.00
Ethyl Cessna, instructor in history, ten months at \$85 per month		850.00	850.00
Carrie Watters, instructor in history, ten months at \$75 per month		750.00	750.00
May Chase, instructor in mathematics, five months at \$60 per month		300.00	300.00
Anna Fleming, instructor in mathematics, ten months at \$100 per month		1,000.00	1,000.00
E. V. Griggs, instructor in mathematics, five months at \$80 per month		400.00	400.00
Ward M. Jones, instructor in mathematics, ten months at \$120 per month		1,200.00	1,200.00
Agnes Mosher, instructor in mathematics, ten months at \$80 per month		800.00	800.00
Helen M. Smith, instructor in mathematics, ten months at \$100 per month		1,000.00	1,000.00
Student assistants in mathematics, paid by hour		201.60	201.60
Vera Dixon, library, ten months at \$70 per month		700.00	700.00
Margaret Forgeus, cataloguer		600.00	600.00
Caroline Laird, engineering librarian, ten months at \$65 per month		200.00	800.00
Robina Rae, agricultural librarian, ten months at \$70 per annum	200.00	400.00	600.00
Mellie M. Smith, assistant cataloguer		600.00	600.00
Students assistants in library		209.40	209.40
C. E. Ellis, mining engineering, and engineering experiment station, ten months at \$1,200 per annum		500.00	500.00
H. E. Ewing, assistant in zoology, ten months at \$90 per month		500.00	1,000.00
		600.00	600.00

IV. SALARIES PAID INSTRUCTORS AND ASSISTANTS, 1909-1910.—CONTINUED.

To Whom Paid	Agricultural experiment station fund	Support and other college funds	Total
Henry Ness, assistant in zoology, ten months at \$90 per month		900.00	900.00
C. R. Shumway, student assistant in zoology, ten months at \$30 per month		300.00	300.00
Student assistants in zoology paid by hour		232.17	232.17
Mrs. Emily Cunningham, matron		700.00	700.00
George Judisch, veterinary lecturer		250.00	250.00
William Kunerth, instructor in physics, ten months at \$100 per month		1,000.00	1,000.00
E. W. Lambert, instructor in mining engineering summer camp		30.00	30.00
W. A. Lippincott, student assistant in poultry, two months at \$25 per month, four and one-half months at \$30 per month, and five and one-half months at \$50 per month		460.00	460.00
George Livingston, farm crops, five months at \$120 per month		600.00	600.00
Student assistant, farm crops		318.60	318.60
Charles Mundhenk, band instructor, two payments		350.00	350.00
M. W. Pullen, instructor in electrical engineering, ten months at \$90 per month		900.00	900.00
Fredrika Shattuck, instructor in public speaking		600.00	600.00
Roy E. Smith, instructor, soils		880.00	880.00
Mr. and Mrs. A. S. Thompson, music		500.00	500.00
Totals	\$ 3,633.46	\$ 57,693.16	\$ 61,326.62

NOTE—Of the salaries included in the column headed "Paid From Other College Funds," the following were paid from funds other than the educational support fund:

	Engineering experiment station	Good roads	Sales and repair	Total
C. O. Alexander			\$ 37.50	\$ 37.50
D. W. Sylvester		\$ 20.00	15.00	35.00
C. E. Ellis	\$ 500.00			500.00
Totals	\$ 500.00	\$ 20.00	\$ 52.50	\$ 572.50

This leaves \$57,123.66 chargeable to the College Support Fund.

V. CURRENT EXPENSES OF EDUCATIONAL DEPARTMENTS.

The gross expenditures of these departments as hereinafter listed greatly exceed the cost to the state and nation of maintaining this part of the college work. In many cases, such as the farm, creamery and animal husbandry departments the sales of the products of the departments nearly equal the expenditures. In the case of the farm, for instance, the

gross expenditures in 1909-10 was \$17,258.99. Its sales amounted to \$14,022.26, leaving only \$3,236.73 as the cost of this department to the college. In many departments the expenditures consist largely of the purchase of material used by the students in the laboratories. These are covered by the fees collected from the students. In order to ascertain the real cost to the institution of maintaining these departments, the sales and fees as set forth in exhibits already given should be deducted in each case from the expenditures.

The law asks for an itemized and classified statement of the expenditures. In departments which involve multitudinous details, such as go with the operating of a farm, creamery or workshops, a strict compliance with this requirement is impracticable. The best that can be done is to group these expenditures under appropriate headings and attach thereto a schedule of wages and prices paid. Exhibits have therefore been prepared showing:

First—The total expenditures on account of each department, omitting student fees refunded.

Second—The amount expended for the different classes of labor and material.

The statement of wages and prices paid follows the exhibits.

EDUCATIONAL DEPARTMENT EXPENDITURES.

For What Purpose	1908-09 Amount	1909-10 Amount
Agricultural Engineering	\$ 2,137.45	\$ 2,729.48
Agricultural Engineering (sales and repair) net	96.11	133.81
Agricultural Journalism	4,146.13	5,156.83
Animal Husbandry (including short course)		1,350.96
Bacteriology	2,339.97	3,704.70
Botany	3,621.83	6,900.09
Chemistry	71.88	
Civics	2,301.71	3,107.48
Civil Engineering	1,156.67	32,537.36
Dairy	4,078.22	4,864.38
Dairy farm	327.61	107.12
Dean's office	1,846.86	1,218.81
Domestic Economy (including short course)	406.25	289.03
Economic Science	4,492.08	1,643.05
Electrical Engineering	1,477.52	808.01
English	17,559.91	17,258.99
Farm	3,695.74	3,107.24
Farm Crops	214.80	211.31
History	2,632.85	2,723.55
Horticulture	1,182.31	944.80
Library (general expense)	2,145.89	5,342.63
Library (books and periodicals)	194.82	240.35
Mathematics	5,136.54	5,130.68
Mechanical Engineering	3,497.64	396.76
Machine shop equipment	218.50	
Military	1,006.02	2,886.89
Mining Engineering	61.34	55.74
Modern language	477.99	
Music (including rental of pianos)		3,081.23
Physics	1,288.80	1,020.83
Poultry	428.19	244.05
Public speaking	1,592.24	1,928.32
Scots	785.00	1,168.75
Scholarship funds	5,625.19	3,004.27
Veterinary	1,447.63	2,090.31
Zoology	360.80	145.24
College hospital (net expenditures)		
Totals	\$ 118,582.53	\$ 115,028.10

EDUCATIONAL DEPARTMENT EXPENDITURES CLASSIFIED.

For What Purpose	1908-1909 Amount	1909-1910 Amount
Labor:		
Stenographic and clerical	\$ 6,538.22	\$ 7,451.07
Instructional	2,886.25	4,822.92
Mechanic	242.87	70.25
Teamsters, shepherds, horsemen, herdsman	4,833.31	5,691.78
Other barn and field labor	2,409.43	3,650.12
Creamery workers	637.98	717.66
Miscellaneous department labor	2,201.15	2,476.04
Lecturers and short course assistants	627.23	1,000.00
Laboratory work and stock judging	1,935.15	1,708.32
Labor on equipment	373.61	46.26
Library assistants	139.26	96.45
Janitor work (veterinary and dairy)	743.04	614.80
Refrigeration engineer (dairy)		300.00
Supplies:		
Stationery and office supplies	3,301.95	3,900.53
Cuts and printing	610.08	307.02
Postage	968.23	104.76
Freight, express and drayage	927.38	1,430.49
Telephones and telegrams	515.01	502.50
Photographic supplies	200.93	270.58
Chemicals and drugs	447.77	320.66
Department furnishings	1,004.47	618.24
Lumber, lime and cement	566.26	714.92
Hardware	161.69	311.07
Gasoline and oil	1,162.92	1,332.19
Coal and coke	815.03	382.11
Dry goods	297.84	314.07
Ice	19.41	49.00
Groceries and meat	404.88	653.29
Apparatus and equipment	10,952.11	10,585.11
Repairing tools and apparatus	1,328.68	1,013.45
Miscellaneous supplies	10,921.94	10,363.33
Traveling expenses	376.28	401.42
Summer camp	308.28	431.20
Laundry	186.23	232.89
Cream and milk	22,672.31	25,432.30
Food stuffs	5,621.53	7,581.58
Registering stock	126.75	110.25
Stock purchased	7,657.70	3,888.58
Books for library	1,916.16	4,319.14
Periodicals	705.89	978.24
Binding	233.62	627.68
Water tax	453.03	440.13
Electrical power paid for by departments	823.86	1,708.82
Scholarship	735.00	1,108.75
Herbarium	205.03	147.30
Department advertising	383.85	534.50
Scholarship supplies	1,526.28	1,880.42
Dissecting materials	890.17	756.26
Service fees	114.45	367.50
Farm improvements	161.48	
Insurance on guns	48.50	155.75
Kitchen, dining room and laundry furnishings, and sewing room supplies	188.97	60.79
Laboratory supplies	3,396.83	5,010.37
Rental of pianos	34.73	
Refunds of premiums	300.00	
Net purchase of material for sales and repair section of agricultural engineering department	273.46	
Investigating English in public schools		92.33
Fencing and tiling		1,339.91
Tuning pianos		40.50
College hospital (net expenditures)	666.80	145.24
Totals	\$ 118,582.53	\$ 115,028.10

VI.—ADMINISTRATIVE AND GENERAL EXPENSES.

For What Purpose	1908-1909 Amount	1909-1910 Amount
Stenographic and other labor—		
President's office	\$ 1,729.44	\$ 1,707.99
Treasurer's office	1,529.25	2,119.85
Secretary's office	1,250.73	963.60
Purchasing committee	1,385.00	1,440.00
Registrar's office	690.00	1,046.65
Junior college dean's office	873.18	942.39
Catalog clerk	40.00	—
Clerk in charge of diplomas	703.60	608.78
Agricultural dean's office	463.85	565.88
Engineering dean's office	273.25	504.92
Entrance requirements	361.57	—
Matron's office	—	134.45
Class enrollment	348.88	296.65
Ringing chimes and care of chime tower	107.05	156.70
Proctors	281.94	281.05
Inter-department mail service	94.20	114.40
Campus police, at \$22.50 per month	390.00	300.00
Paid prominent men from outside of college for conducting Sabbath services	411.50	393.50
Supplies and other expenses—	2,456.00	2,505.67
Catalogs and bulletins	83.00	147.06
Advertising in college publications	244.58	185.92
General advertising	—	—
Commencement week expenses, including speaker, band and rent of tent	387.09	295.76
Telephone service	208.00	199.54
Traveling expenses of officials on official business	497.45	658.00
Headquarters educational association	44.06	9.90
Agricultural college association fee	15.00	15.00
Graduate school of agriculture	25.00	25.00
College day speaker and programs	31.75	32.25
State Fair expenses	197.91	333.18
Special music for Sabbath services	59.56	38.55
Printing	298.26	90.74
Expenses electrical exhibit	18.63	24.91
Cuts, photos and photo supplies	477.45	5.85
Excursion day expenses	—	270.90
Postage	711.34	805.51
Insuring treasurer's balance	3.38	3.38
Burglary insurance and notary fee	—	12.00
Treasurer's annual fee	1.00	1.00
Miscellaneous office supplies, repairs and equipment	1,567.61	1,841.61
Diplomas	270.65	268.75
Graduate school	—	337.75
Committee secondary school relations	—	106.00
Totals	\$ 17,761.30	\$ 19,747.78

VII. BUILDINGS AND GROUNDS.

(Exclusive of Repairs and Improvements.)

(A) Buildings, Heat, Light and Janitor Service.		
Labor—		
Stenographic and clerical	\$ 2,014.19	\$ 1,858.83
Custodian, part salary	629.06	911.73
Superintendent and inspector	1,451.83	1,608.98
Janitors	9,477.27	12,074.37
Plumbers	596.01	1,240.25
Engineers	2,456.19	4,022.20
Firemen	8,000.28	8,634.23
Electricians	690.63	1,151.29
Miscellaneous labor	45.38	49.68
Steam fitters	665.98	584.27
Nightwatch	656.16	742.00
Storekeeper	—	140.00
Supplies		
Office supplies	228.24	228.09
Postage	20.00	43.00
Freight	147.10	217.31

VII. BUILDINGS AND GROUNDS.—CONTINUED.

For What Purpose	1908-1909 Amount	1909-1910 Amount
Telegrams and telephones	44.03	42.81
Coal	25,528.18	25,666.68
Kerosene and gasoline	35.11	31.85
Lubricating oil	671.84	686.90
Tools and machinery	592.50	426.34
Lighting supplies	1,538.06	2,639.73
Plumber's supplies	228.38	488.09
Power house supplies	1,420.74	1,055.57
Heating supplies	224.91	229.19
Furniture	53.55	50.55
Repairs	4.50	—
Janitor's supplies	1,354.92	1,001.70
Dry goods	71.75	77.12
Laundry	96.34	104.90
Traveling expenses	—	19.30
Totals	\$ 60,035.48	\$ 69,169.42
(B) Public Grounds.		
Labor—		\$ 818.83
Foreman	530.00	482.69
Teamster at \$50.00 per month	1,486.88	1,351.56
General labor on campus	357.50	—
Night watch at \$32.50 per month	143.30	—
Walks and grading (including athletic field)	—	85.17
Planting trees	41.67	—
Supplies and other expenses—	301.96	290.79
Feed stuffs	—	2.95
Hardware	—	3.26
Oil and gasoline	—	2.35
Freight, express and drayage	—	37.90
Water tax	—	3.00
Telephones	—	08.78
Miscellaneous supplies	—	113.75
Trees	—	38.00
Repairs on tools and machinery	83.10	103.55
Tools and equipment	—	213.33
Improvement of grounds	—	113.50
Traveling expenses	—	1.90
Expenses of fiftieth anniversary of location of college	—	100.00
Totals	\$ 3,055.29	\$ 3,721.42

VIII. AGRICULTURAL EXTENSION WORK.

The expenditures of this department are set forth in detail in the main body of this biennial report. The following is a summary of such expenditures:

Expenditures for 1908-1909	\$28,550.54
Expenditures for 1909-1910	33,630.16
Total expenditures for the biennial period	\$62,180.70

IX. EXPERIMENT FUNDS.

The following exhibit shows the lines of experimental work and the total expenditures for each year of the biennial period:

For What Purpose	1909-1909 Amount	1909-1910 Amount
Agricultural experiment station.....	\$ 62,410.61	\$ 75,141.76
Horse breeding experimentation.....	4,325.30	471.00
Engineering experiment station.....	3,221.04	4,318.00
Good roads experimentation.....	5,139.67	5,137.42
Totals.....	\$ 75,296.71	\$ 85,286.18

The details of these expenditures are given in the biennial report proper.

X. BUILDING AND EQUIPMENT FUNDS.

A full detailed statement has already been given in the biennial report proper of the expenditures on account of the annual building tax and the several special funds for buildings and equipment.

These expenditures are summarized as follows:

For What Purpose	1908-1909 Amount	1909-1910 Amount
Repairs and contingencies.....	\$ 23,607.43	\$ 30,028.41
Special Building Tax.....		
Hall of Agriculture.....	136,555.41	14,883.13
Central Building.....	1,312.32	1,094.49
Engineering Hall Annex.....	4,014.35	30,877.17
Ceramics Building.....	622.67	13,242.32
Domestic Technology Building.....		18,870.49
Hall of Agriculture—furniture and fixtures.....	416.56	18,790.28
Central Heating Plant (\$30,000.00).....	27,600.00	
Central Heating Plant (\$30,000.00).....		7,475.23
Dairy farm buildings, farm and equipment.....	436.14	
Machine shop.....	3,538.28	
Water system improvement.....	4,895.07	104.43
Walks and grading.....	359.09	
Sidewalks and grading (\$7,500.00).....	672.28	5,389.51
Engineering hall annex—furnishings and fixtures.....	.45	2,786.88
Purchase of pure bred stock.....	637.85	
Purchase of pure bred stock (\$10,000.00).....	1,292.45	5,138.90
Special equipment for college departments (old).....	492.32	
Special equipment for college departments (new).....	4,772.08	6,705.63
Room rent.....	2,390.05	1,624.41
Totals.....	\$ 210,535.20	\$ 106,407.54

SUMMARY OF EXPENDITURES.

I. Salaries paid professors, assistant professors and administrative officers.....	\$ 108,612.93	
II. Salaries paid professors, assistant professors and administrative officers.....		\$ 127,706.30
III. Salaries paid instructors and assistants.....	44,942.64	77,123.69
IV. Salaries paid instructors and assistants.....		118,028.10
V. Expenditures on account of educational departments.....	138,569.53	63,000.77
VI. Administrative and general expenses.....	17,701.30	19,747.78
VII. Buildings and grounds.....	63,000.77	69,809.84
VIII. Agricultural extension work.....	28,550.54	33,630.16
IX. Experiment funds.....	75,296.71	85,286.18
X. Building and equipment funds.....	210,535.20	106,407.54
Totals.....	\$ 666,473.62	\$ 674,880.56

The proceeds of the sales of the several departments are used by them in purchasing department supplies and equipment. The sales income therefore constitutes a sort of revolving fund which appears on both sides of the ledger and which would need to be deducted from each side in order to know the actual cost of maintenance and the true income of the institution. The following are the sales for each of the two years of the biennial period:

For fiscal year 1908-1909.....	\$75,788.24
For fiscal year 1909-1910.....	72,982.40

Deducting these amounts from the totals given above we have as the net expenditures for each of the two years the following:

NET EXPENDITURES.

For fiscal year 1908-1909.....	\$590,635.38
For fiscal year 1909-1910.....	601,838.16

The following exhibit shows the expenditures in the different lines of institutional work:

For What Purpose	1908-1909 Amount	1909-1910 Amount
1. College educational work.....	\$ 287,263.79	\$ 338,740.80
2. Agricultural extension work.....	28,550.54	33,424.16
3. Experiment work.....	64,335.85	73,285.77
4. Building and equipment.....	210,535.20	106,407.54
Totals.....	\$ 590,685.38	\$ 601,838.16

EXPLANATORY.

It will be noticed that the expenditures for the buildings and their equipment and repair constitute no inconsiderable portion of the entire expenditure for the biennial period. These buildings are in general constructed under contract, though the policy of the new Board inclines toward having the Superintendent of Buildings install the heating, plumbing and lighting systems. When the contract system is employed, the contract, plans and specifications are filed with the Secretary of the Board of Education, while copies of the same are filed with the Secretary of the College. The amounts of these contracts, together with an analysis of the other expenditures on account of each of the special appropriations of the General Assembly are given in the preceding statements under the respective funds discussed. The Architect is allowed 2½ per cent of cost for plans, specifications and superintending. The Superintendent of Buildings has direct supervision of all contract work. He also has charge of repairs and minor improvements. The Finance Committee passes upon the need of such repairs and makes the necessary appropriations. The Superintendent, with the aid of the Purchasing Committee, buys the material, employs the labor, and sees to it that the work is done satisfactorily, and at a minimum cost. In the expenditure of the educational and experiment support funds the needs of the different departments are

submitted through the Deans of divisions and the President of the College to the Finance Committee. Careful investigation is made of the department askings, and a budget prepared for submission to the Board of Education, which divides the available fund for the year among the different departments and divisions in such manner as will best subserve the interests of the College. This budget as modified and adopted by the Board determines in large measure the amount and direction of the expenditures for the year. The heads of the several departments are expected to make their plans so as to bring their expenditures within the sum allotted them. The Finance Committee and the Purchasing Committee attend to all the details of purchasing supplies and equipment. The following shows the wages and prices paid during the past year:

WAGES.

Instructional Labor.—Students employed as instructors in the academic classes are paid 60 cents per hour, it being understood that they will give, in addition to the time spent in the class room, a couple of hours to preparation. Laboratory, shop and field assistants are paid from 25 cents to 40 cents per hour for time actually employed.

Ordinary Student Labor.—Students are often employed by the different departments, working in the fields, barns or shops or doing janitor work in the recitation rooms. They are in general paid 15 cents per hour. A few who work in lines requiring considerable skill, as in carpentry, electrical repairs and plumbing, receive 25 cents to 30 cents per hour.

Carpenters.—The head carpenter is paid \$75.00 per month; the two assistant carpenters receive \$60.00 per month each. Irregular workmen are paid from 30 cents to 40 cents per hour.

The following are the wages paid by the Superintendent of Buildings in the department of fires and lights:

Plumbers and Steamfitters.—The foreman is paid \$85.00 per month. The pipe fitter receives 25 cents per hour, the steam fitter 40 cents per hour and their helpers are paid from 20 cents to 22½ cents per hour.

Engineers and Firemen.—The following shows the number of men employed and the wages paid:

Chief engineer	\$85.00 per month
4 assistant engineers averaging.....	62.50 per month
1 boiler man.....	70.00 per month
8 firemen	57.80 per month
4 firemen's helpers.....	.20 per hour
Student labor as required.....	.20 per hour

This force is, reduced somewhat during the summer, although the power plant is operated 23 hours per day for the purpose of supplying power to the dairy and experimental laboratories for all their work, for

supplying electricity for lighting purposes and for pumping water for college consumption, as well as for that portion of the city of Ames surrounding the college property.

Electricians.—One electrician is employed at 30 cents per hour, and helpers, as required, receive 20 cents per hour.

Night Watch.—The night watchman receives \$50.00 per month.

Teamster.—The teamster and helper of the repair department receives \$50.00 per month.

Janitors.—Twenty janitors are employed:

2 janitors.....	\$55.00 per month
10 janitors.....	50.00 per month
6 janitors.....	45.00 per month
1 janitor.....	35.00 per month
1 janitor.....	20.00 per month

During the summer vacation this force is reduced to 8 janitors.

2 janitors.....	\$55.00 per month
5 janitors.....	50.00 per month
1 janitor.....	45.00 per month

The institution also employs 15 students for janitor work at 15 cents per hour.

Herdsmen.—Separate herdsmen are employed as follows:

1 for cattle	\$85.00 per month
1 for horses.....	65.00 per month
1 for swine.....	65.00 per month
1 for sheep.....	65.00 per month

Rooms are furnished in addition, but not board. Considerable student help is employed, the usual compensation being 15 cents per hour.

Field and Barn Hands.—Two regular teamsters are employed, one at \$50.00 per month, and one at \$45.00 per month. During a small part of the year an extra teamster is employed at \$45.00 per month. Some student labor is employed at from 15 cents to 20 cents per hour, and one man in charge of fence repairs is paid at the rate of 17½ cents per hour.

Stenographic and Clerical Labor.—Thirty clerks and stenographers are employed by the college, charged to the different lines of work as follows:

Administrative and business.....	12
Experimental work.....	8
College departments.....	10

The Secretary of the extension department receives \$1,200 per annum; the secretary of the dean of agriculture receives \$85.00 per month; the President's secretary, two clerks in the secretary's office, two clerks in the treasurer's office, and one clerk in the engineering dean's office receive \$75.00 per month; of the other office and department stenographers and clerks, six receive \$70.00 per month, four \$65.00 per month, ten \$60.00 per month, one \$55.00 per month, and one \$50.00 per month. Twenty-five cents is the usual price paid for work by the hour. The stenographic

work of the institution seems large. Attempts have been made to reduce it. The accountant of the Board of Education made a careful study of the needs of the departments and reached the conclusion that no material reduction could be made without injuring the efficiency of the work. As stated in the last report, in the experiment station each section receives an almost innumerable number of inquiries from outside which must be answered; in the Extension department more than 25,000 letters are sent out annually, while the other departments and the business offices carry on a more or less extensive correspondence. In many of the industrial departments the preparation of matter for classes involves much dictation and mimeographing. In the departments, in the experimental and extension work, and especially in the executive and financial offices, the keeping of the records and accounts involves much clerical labor. In all this work faithfulness and accuracy are necessary, and in much of it familiarity with the business methods of the college and a knowledge of technical scientific terms are required. It naturally follows that such work must be well paid.

Prices.—So far as possible all purchases for the college are made by the purchasing committee. The committee secures as low prices as possible consistent with satisfactory quality. The following shows some of the prices paid:

Stationery.—All letterheads and envelopes are ordered under a six months' stationery contract. Some of the prices are as follows: Brother Jonathan Bond, 16 pound stock, \$3.00 per thousand; memo heads, \$2.00 per thousand; envelopes, \$3.00 per thousand; Brother Jonathan Bond, 20 pound stock, letterheads, \$3.25 per thousand; memo heads, \$2.25 per thousand; envelopes, \$3.20 per thousand.

Stationery and Office Supplies.—7x10 open end envelopes, Manila, \$3.30 per thousand; Manila envelopes, No. 6 $\frac{1}{4}$, 55 cents per thousand; Manila envelopes, No. 10, 82 cents per thousand; white bond envelopes, \$6.75 per thousand; No. 6 XXX white envelopes, \$1.20 per thousand; 6 $\frac{1}{2}$ x9 $\frac{1}{2}$ catalogue envelopes, \$1.45 per thousand; one thousand drug Manila envelopes, 33 cents per thousand; white coin envelopes, 65 cents per thousand; ten thousand short bill heads, \$12.50; five hundred remittance blanks, \$2.50; twenty-five hundred excuse blanks, \$4.00; one thousand cash report blanks, \$2.40; five thousand bill heads, \$11.65; two thousand pay roll blanks, \$9.00; ten thousand checks, \$23.00; mimeograph ink, \$1.25 to \$2.25 per pound; stencil, \$1.75 to \$2.00 per quire, subject to quantity discounts of 5 and 10 per cent. Adding machine paper, 8 cents per roll; plain cards, 3x5, ruled, 6 cents per hundred; improved class books, 120 pages, cloth bound, 25 cents each; typewriter ribbon, 32 cents to 75 cents each; copier, 63 cents each; typewriter erasers, 48 to 80 cents per dozen; one quart ink, 50 cents; stenographers' note books, best, 60 cents per dozen; typewriter paper, No. 7, 34 cents per ream; No. 11, 44 cents per ream; No. 13, 36 cents per ream; best pencils, 40 cents per dozen; blue pencils, 22 $\frac{1}{2}$ cents per dozen; pens, 38 cents to 77 cents per gross; 10x12 tablets, 120 sheets, Manila, 6 $\frac{1}{2}$

cents each; rubber bands, No. 13, 20 cents per box; wire counter baskets, 12 cents each; gummed labels, 40 cents per carton; McGill fasteners, No. 1, \$1.06 per thousand.

Printing.—The printing is let under competitive bids. The following gives an idea of the different forms and the prices paid: 25,000 Station Bulletins, 76 pages, at \$11.95 per page; 7,000 bulletins, 45 pages, at \$4.15 per page; 15,000 eight page bulletins, at \$9.95 per page; 2,000 horticultural blanks, \$4.50; 1,700 time tables, three forms, \$42.50; 300 incubator record sheets, punched, \$9.50; 1,000 daily plant records, \$6.00; 1,000 prescription blanks, \$2.00; 5,000 log sheets, \$11.35; 1,000 corn score cards, \$6.50; 1,000 evening programs, \$3.25; 2,000 potato score cards, \$4.00; 15,000 judging blanks, blocked, \$9.00; 2,000 grade sheets, \$6.00; 300 pupils' recital programs, \$2.50.

Department Advertising.—Wallace's Farmer, one inch three months, \$20.00; one-third page premium list Iowa Small Grain Growers' Association, \$15.00; Agriculturist Publishing Company, one page, three months, \$18.75; Iowa Engineer, one page, two issues, \$25.00; Engineering News, thirteen insertions, fifteen inches, three months, \$15.60; one-half page Proceedings Iowa Engineering Society, \$6.00.

Postage.—The station bulletins are franked, the college bulletins, including the catalogue and compendium numbers, are sent out as second-class matter at the rate of one cent per pound. The greater part of the postage charges is letter mail. It evidences the large number of inquiries made of the departments and the consequent extent of their correspondence. The departments in general use government two-cent stamped envelopes, which cost \$21.24 per thousand.

Telephones and Telegrams.—The departments use about 50 telephones of the Boone County Telephone Company's exchange, paying for each a rental of \$1.00 per month. The college is allowed 25 per cent discount on toll messages. An exchange is maintained by the company at the college. The Iowa Telephone Company charges \$66.00 per annum for the first four telephones installed. Additional telephones cost \$9.00 each. The college uses eight Iowa telephones. The Western Union charges the college the regular rates. The Postal Telegraph Company takes college messages at its Boone office without charge for telephoning.

Photographic Supplies.—Photographic supplies are purchased largely for the photographic section of the Experiment Station. Supplies are furnished to the departments of Botany and Extension at cost. Glossy Cyco paper, 8x10, 70 cents per dozen; 5x7 S. G. Cyco, \$2.00 per gross; lantern slide plates, 30 per cent discount; Hypo, \$2.75 per keg; automatic print washer, \$3.25, less 15 per cent; plate washer, \$4.50, less 15 per cent; Cyco printing paper, 35 1-3 per cent; No. 5 trimming board, \$7.00, less 15 per cent; Cytric acid, 40c per pound; Hydrochinon, \$1.50 per pound; plate holders, 20 per cent; seed plates, 15 per cent; printing machine, \$58.50.

Chemicals and Drugs.—The chemicals needed in the different laboratories are listed and bids secured from the leading import houses. The orders are then placed and the goods imported, duty free, under the pro-

visions of the national law. Three-fourths of the chemicals used in the departments are thus imported at a saving to the college of from 40 to 60 per cent. The following are some of the prices paid: Hydrochloric acid c. p., 7 cents per pound; sulphuric acid, 1½ cents per pound; absolute alcohol, \$5.40 per gallon; wood alcohol, 75 cents per gallon; sanitary absorbent cotton, 15½ cents per pound; fixatif, \$1.35 per dozen bottles; gelatin, 60 cents per pound; hydrogen peroxide, 30 cents per pound; lead acetic, 15 cents per pound; lead arsenate, 9 cents per pound; litharge, \$13.00 per cwt.; oxone, 45 cents per pound.

Furniture.—Revolving desk chair, \$5.00; tablet arm chair, \$1.98 each; 60-inch roll-top desk, \$30.00; flat-top desk, \$20.00; slate blackboard, 17c per foot; Scotch Holland shades, 3'x5' 6", 75 cents each; Scotch Holland shades, 3'x7', 90 cents each.

Lumber.—Since the contract system is followed by the college in the case of buildings and larger improvements, lumber is purchased only in small quantities. Bids are secured and the best terms possible obtained. The following is a sample of the prices paid during the six months ending April 1, 1910; they include delivery to the department:

No. 1 pine, 2x4 to 2x8 10-16.....	\$29.00
"A" partition Y. P., ¼x4.....	36.00
"A" ceiling, beaded, Y. P., ⅝x4.....	29.00
Ex. XAX red cedar shingles, 6-2.....	3.75
No. 1 white pine lath.....	6.00

Hardware.—The larger part of the hardware is bought of wholesale houses at wholesale prices. Arrangements have been made with the college book store by which hardware supplies are purchased in considerable quantities and distributed to the departments as needed. The following prices represent net cost: 4½-pound axe, 60 cents; 1-bushel galvanized iron baskets, 60 cents each; ½-bushel galvanized baskets, 43 cents each; machine bolts, 75 and 10 per cent; stove bolts, 85 and 10 per cent; fire extinguishers, \$8.00 each; files, 80 and 10 per cent; Maydole hammers, \$6.07 per dozen; tack hammers, 40 cents per dozen; square screw hooks, 17 cents per dozen; coat and hat hooks, 96 cents per dozen; horse shoes, \$4.65 per keg; ¾-inch garden hose, 4-ply, with couplings, 11½ cents per foot; pig iron, \$21.85 per ton; grafting knives, \$2.75 per dozen; metal cattle labels, \$2.00 per hundred; best step ladders, 20 cents per foot; lanterns, \$9.50 per dozen; lantern globes, 80 cents per dozen; 18-inch lawn mower, \$7.00; 14-quart stock pails, \$3.15 per dozen; ½-inch manilla rope, 12 cents per pound; roofing tin, \$12.00 per box.

Tools, Implements, Etc.—Farrier's anvil, 11 cents per pound; 4-inch, 4-ply belting, 16c cents per foot; 2-inch, 3-ply rubber belting, 17 cents, less 60 per cent per foot; corn binder, \$100.00; bone cutter, \$14.40; 12-inch chuck, \$18.00; swing churn, \$6.00; single belt compressor, \$125.00; disc drill, \$83.60; dynamometer, \$194.00; spray engine, \$65.00; forge, \$16.00; poultry drinking fountains, \$8.25 per dozen; electric glue pot, \$7.00; saw guard, \$15.00; disc harrow, \$16.50; incubators, \$3.75, \$12.00, \$15.00, \$18.00, \$21.00; 24-inch pattern lathe, \$250.00; mitre box, \$9.25.

Coal.—Used only in the college heating and lighting plant, and the mechanical and agricultural engineering departments. The following are the prices paid under the last contract: Steam coal, \$1.58 per ton; mine run, \$2.48; lump coal, \$2.63. These prices are on coal delivered on side-track at central power station. Coke in small quantities for blast furnaces, \$7.00 per ton; smithing coal, \$5.05 f. o. b. Ames.

Gasoline, Kerosene and Lubricating Oils.—Gasoline is purchased for running gasoline engines and for laboratory gas plants. The prices for the last year have averaged as follows: Crown gasoline, 12¼ cents per gallon delivered in tanks on the campus; gas machine gasoline, 22¼ cents per gallon; kerosene, 67-10 cents per gallon; cylinder oil, 60 cents per gallon; engine oil, 23 4-10 cents per gallon; machine oil, 18 cents per gallon; ammonia oil, 28 cents per gallon; W. S. lard oil, 85 cents per gallon.

Dry Goods.—The total amount of dry goods purchased is small. Bids are secured whenever practicable. The following are some of the prices paid: Cheesecloth, 3½ cents per yard; cotton bats, \$9.00 per bale; crash toweling, 5 cents per yard.

Groceries.—Nearly all the purchases under this head are for the Domestic Economy and Hospital departments. The nature of the instructional work of the Domestic Economy Department permits the purchase in large quantities of only the more standard supplies. In general, small quantities of the different grades of each article are bought. The students in the class of Home Management make their own purchase, buying, of course, in the local markets. The laboratory fee paid by the students covers the expense. The following are sample prices taken at random from the Domestic Economy bills: Canned sweet corn, \$1.20 per dozen; canned tomatoes, \$1.45 per dozen; chocolate, 31 cents per pound; cocoanut, 15 cents per pound; canned peas, 87 cents per dozen; salmon, \$8.60 per case; sliced pineapple, \$2.00 per dozen.

Ice.—The Dairy Department has installed a cold storage plant. Only small quantities of ice are used by other departments. Under the present contract with the ice company this is furnished at 50 cents per hundred pounds.

Laboratory Equipment.—The following list shows a few of the items of equipment purchased for the different departments of the college. Those expending the larger amounts along this line are: Dairy, Animal Husbandry, Botany, Chemistry, Zoology, Soils, and Electrical, Mechanical and Agricultural Engineering: One boiling point apparatus, \$90.00; automatic distilling apparatus, \$16.00; ether extraction apparatus, \$1.00; autoclav for gas, \$75.00; one assay balance, \$57.50; balopticon, with rheostat, \$200.00; calorimeter, \$75.00, less 30 per cent; projection apparatus, \$218.70; campimeter, \$5.50; centrifuge, \$41.24; chronoscope, \$22.00; electric hot plate, \$16.00; electric oven, \$25.00; 12-inch electric fan, \$13.50; electric furnace, \$30.00; gasometer, \$10.00; model of horse, \$126.50; memory apparatus, \$11.00; monorail car, \$150.00; steam drying oven, \$140.00; olfactometer, \$3.30; air pump, \$30.00; pyrometer, \$64.00;

skeleton of horse, \$80.50; steam sterilizer, \$28.10; gas still, \$45.50; gauge tester, \$45.00; grain tester, \$14.00; cement testing machine, \$940.00; soil thermometers, \$4.95 each; viscosimeter, \$8.00.

Janitor Supplies.—The following list gives an idea of the articles purchased under this head and the price paid for same: Bon Ami, \$2.50 per box; brooms, \$5.00 per dozen; barn brooms, \$5.75 per dozen; counter brushes, \$3.50 per dozen; floor brushes, \$5.40 per dozen; mops, \$4.25, less 33 1-3 per cent; sapolio, \$2.25 per case; furniture polish, \$2.00 per gallon; metal polish, 25 cents per pound; Ivory soap, 4 cents per bar.

Painters' Supplies.—Bronze, 58 cents per pound; varnish brushes, \$2.40 per dozen; 1-inch paint brush, 60 cents per dozen; varnish, \$2.25 per gallon; wood dye, 85 cents per quart; paste filler, 8 cents per pound; lamp black in oil, 14 cents per pound; boiled linseed oil, 93 cents per gallon; raw linseed oil, 80 cents per gallon; putty, \$2.20 per cwt.; turpentine, 90 cents per gallon; floor wax, \$2.50 per pound.

Dairy Supplies.—Cheese bandage, 3½ cents per yard; cream test bottles, \$1.33 per dozen; 1-quart paper milk bottles, \$7.75 per thousand; pint paper milk bottles, \$6.00 per thousand; triplicate sales books, \$27.50 per thousand; butter boxes, 50-pound K. D., 13 cents each; test tube brushes, \$3.10 per hundred; butter cartons, \$5.00 per thousand; butter color, \$2.25 per gallon; calcium chloride for ice machine, \$14.00 per ton; ammonia for ice machine, 27 cents per pound; 10-gallon milk cans, \$23.40 per dozen; cheese hoop, 14x16, \$2.73; parchment circles, \$1.50 per thousand; 20-quart ice cream freezer, \$36.00; 2-pound butter jars, \$2.75 per hundred; 2-gallon stone jars, 13 cents each; condensed milk, \$1.00 per dozen cans; D. C. salt, \$2.90 per barrel; bulk lump salt, \$6.00 per thousand pounds; milk scales, \$2.40; soap stock, 4¼ cents per pound; floating thermometers, \$1.25 per dozen; 10-pound butter tubs, 20 cents each; 63-pound butter tubs, 25 cents each; vanilla, \$7.60 a gallon.

Live Stock.—One Shropshire ram, \$50.00; 3 Shropshire ewes, \$200.00; 1 Aberdeen Angus steer, \$177.50; 1 Hereford heifer, \$500.00; 1 Aberdeen Angus cow, \$335.00; 1 Ayershire heifer, \$200.00; 1 Shorthorn steer calf, \$150.00; 1 pure bred colt, \$150.00; 1 steer, \$85.00; 1 steer, \$100.00; 1 boar and 3 sows, \$100.00; 2 Shorthorn helpers, \$700.00; 1 mare, \$200.00; 400 white Leghorn eggs, \$12.00; 1 white Plymouth Rock cockerel, \$10.00; 1 Buff Orpington cockerel, \$10.00; 1 Rhode Island Red cockerel, \$3.00; 30 Rhode Island Red eggs, \$10.00; 4 Duroc Jersey sows, \$100.00; 15 Brown Leghorn eggs, \$2.50; 15 Buff Orpington eggs, \$11.25; 1 canner cow, \$22.00; 1 veal calf, \$7.69; 4 Guernsey helpers, \$1,000.00; 1 Plymouth Rock cockerel and 4 pullets, \$50.00.

Respectfully submitted,

E. W. STANTON,
Secretary.

EIGHTEENTH BIENNIAL REPORT

OF THE

Iowa State Teachers' College

AT CEDAR FALLS, IOWA

For the College Years 1908-1909 and 1909-1910

INCLUDING

- I. Report of the President
- II. Report of the Secretary
- III. Report of the Treasurer

TO THE

Iowa State Board of Education

LETTER OF TRANSMITTAL.

To the State Board of Education:

GENTLEMEN: As required by Section 2680 Code of Iowa, and Chapter 104, Laws of the 30th General Assembly as amended by Chapter 170, Laws of the 33d General Assembly and in accordance with Resolution of the State Board of Education May 25, 1910, the officers of the Iowa State Teachers College herewith file their reports covering the Biennial Period July 1, 1908, to June 30, 1910.

HOMER H. SEERLEY,
President.

August 1, 1910.

I. REPORT OF THE PRESIDENT.

THE PROGRESS OF THE PERIOD.

This biennial period has been the most notable of any that has passed since the founding of the College in 1876. This condition has come from the generous financial support that has been granted during a decade, from the energetic and successful work of a conscientious faculty and from the growing respect and esteem that has been conferred upon the reputation of the institution at home and abroad. The progress of the period in the standing of the College educationally, in the practical success of its work in training students to be effective public school teachers, in the admirable faithfulness and co-operation of the students in the endeavor to build up the right standards and the right spirit, has been such that the people of the State can afford to believe that better service for education can yet be attained. This development is shown in the prominent increase in the enrollment of students, in the more advanced courses offered, although the total attendance has been but little beyond the report of two years ago. The fact that there has been an increase in the higher classes is complimentary because it shows that the College is able to furnish a better and more scholarly class of teachers than was previously permitted. In the next place there has been an enlarging disposition to remain longer in the studies of the College in order to secure higher diplomas and obtain better scholarship and more efficiency than the shorter courses could give. The hope of all teacher college management depends upon securing a student body that believes in education as a means to an end and that determines to make teaching a career rather than a temporary occupation.

Another sign of progress has been a growing demand from school boards and school superintendents for the graduates of the Teachers College. This has been due to the fact that experience has shown that trained teachers are much better for the schools than untrained teachers, and that actual teaching in a practice school, under expert critic and supervisory control, gives a real preparation for the service that school work requires. The salaries paid teachers have improved but are not yet proportionate to the expenditure of time and money that a student must make to obtain such professional preparation. However, despite these conditions it is now possible to assure a scholarly-inclined, industrious, energetic young man or woman that educational work really offers a fair chance for a reputable, promising career, provided that thorough, genuine and full preparation be made for the same.

THE SPECIAL TEACHER TRAINING.

In no way has success been more marked than in the developing of the plan of training every individual student for some particular kind of teaching, thus enabling the person thus educated to be admirably

equipped for some special kind of public service. There has been no discovery in the training of teachers the past quarter of a century that has given as great prospects for success as this plan. Today the Iowa State Teachers College has more fully developed this idea than has any other teachers' school in the United States. It is a fact that nearly all intellectual persons can be educated and trained for some particular kind of teaching and that this is the best procedure rather than to educate and train them in such a general way that the kind of work they can best do is undecided at graduation and must be found out by experiment. For this reason the following kinds of special teaching preparation is now available:

1. Kindergarten. 2. Primary School. 3. Elementary or Grade School. 4. Public School Music. 5. Drawing. 6. Penmanship and Commercial Subjects. 7. Manual Training. 8. Domestic Science. 9. Physical Education. 10. High School Work, such as (a) English, (b) English and Public Speaking, (c) Public Speaking, (d) Latin, (e) German, (f) Mathematics, (g) Chemistry and Physics, (h) Natural Science, (i) History, (j) History and Political Science, (k) History and Economics, (l) Instrumental Music, (m) Other combinations of major subjects approved by the faculty. All these courses have complete instruction in Psychology, School Management, History of Education, Administration of Schools and Methods of Instruction. To these is added at least a year of actual practice in the teaching of children in classes under sympathetic supervision of experts and a well trained, capable teacher is developed. In addition other kinds of scholarship are required, giving a well balanced course.

THE SPECIAL TEACHER TRAINING STILL NEEDED IN IOWA.

This Teachers College has always attempted to keep abreast of the times by training all kinds of teachers for the common schools as defined in the Constitution of the State. At the present, there is a rapid growing demand for public school teachers that can do expert work in the commercial branches taught in the schools. It is a fact that there is no class of special teachers that are as incompetent, untrained, lacking in general scholarship and unfit for the important task imposed by popular demand as is the average commercial teacher. So much so is this true that the high schools wanting such teachers have little, if any choice, in securing such instructors because there is no school or college that attempts the serious undertaking of training commercial teachers. The people know the value of commercial education, if correctly and efficiently taught, and they are not mistaken in requesting that these studies be offered for such as expect to enter commercial pursuits. It is for this reason chiefly that it is recommended that the Teachers College be given an opportunity to give relief to the situation by developing such a department.

Vocational education is a present day demand and the undertaking of such work is not a decade removed from the course of study in the majority of public schools. It is not a fad, a fancy, or foolish demand as it is true that public education must be given an industrial, vocational trend

if the children are to be kept in school all their developing and training years of life. The present day curriculum can have added to it a sufficient amount of this kind of work without weakening the productive or the important scholarship that public elementary and secondary education should give for life and for preparation for additional study beyond the public school age. The most serious handicap to this most worthy movement is the almost entire lack of competent teachers for such additional service and there is no grade of school that is getting teachers ready for that time—not far away—when the popular will shall require the schools to undertake this additional work. The public sentiment is now so well developed and so thoroughly in earnest that even this Congress will probably pass a vocational educational bill that will co-operate with the states in making the movement for secondary and teacher education one of the most remarkable in history. Iowa should take immediate steps to get ready for this better education of her teachers by providing them these certain privileges so that they may be able to secure the training and the vocational instruction that is so soon to be demanded of them in their every day work.

THE PROBLEM OF SECURING A FACULTY.

The most difficult problem facing the State Teachers College today is that of being able to secure professors for the Faculty that are fully prepared and capable to undertake the great tasks required of them. There is no other class of educators that needs as accurate scholarship, special teaching power, strong personality, or notable habits of thinking, broad experience, actual knowledge of general education possessed with a spirit of humaneness as those who undertake the training of students to be servants of the people in the public schools. Such qualities are difficult to secure even when the best executive care is exercised. Without these qualifications the success of such a special school is impossible. The pedagogic idea must pervade every member of the faculty of a teachers college and he must know the difference between teaching persons for after efficiency and teaching persons for scholarship. The salaries that such a standard of persons should have are not yet provided by custom or by realization of the importance of growth to such a class of educators. They should be so remunerated that they can afford to invest in themselves all the time in travel and in further study and investigation so that their services can become more and more valuable. The fact that the "Pension Foundations" are excluding such teachers as are found in this Teachers College from the benefits of the retiring allowance because of the work of the College being so organized as to do the most good to the public schools and the people rather than to be planned to secure pensions by accepting arbitrary standards of education and training that may be dictated from outside authorities makes it still more imperative that the salaries of such teachers should be placed upon a more liberal basis than that deemed necessary where the retiring allowances are certain to be granted.

THE EXTENSION OF THE SUMMER TERM.

The readiness of the teachers of the State to attend summer school is really remarkable as it shows a spirit and an enthusiasm in training themselves that is very commendable. It seems that the State should open the Teachers College during the entire summer vacation and that the actual teachers should be granted the facilities of the institution during that time without the payment of any fees. The benefit to the schools would be such that Iowa could afford to invest \$40,000.00 to \$50,000.00 a year in this special work of improving the teachers in service. Since such a plan will demand a good deal of personal expense to the teachers and a great amount of real sacrifice there should be all of this provision without attempting to make the teachers pay any of the expense. This arrangement would, to a large extent, settle the demand for more teacher training for some years to come and would provide opportunities of a grade and kind that would far surpass any that could be granted by opening additional Normal schools or even county Normal schools. Such a plan properly organized would enroll from 2,500 to 4,000 teachers each summer at Cedar Falls.

THE ENLARGING OF THE SERVICE OF THE COLLEGE.

There are continual suggestions in the press and in educational meetings regarding the need of more teacher training in Iowa, when the capacity of the Teachers College has not been reached for the past ten years. There are frequent intimations that persons of limited qualifications do not have any place in Iowa to prepare for the certificate examinations required by law, when the Teachers College already receives any one of the age of sixteen years who says that it is his intention to be a teacher, and prepares him for the elementary examinations required by law. Criticisms regarding the course of study now offered to teachers at Cedar Falls are not well taken because every branch required by law for the lowest grade of certificate can be secured any term of the college year. This College is able to properly care for four hundred more students any term of the year than at present attend, by employing more teachers and having more class hours. As long as these things are true the necessity to expand teacher training by opening additional institutions is not very dominant. At present the State conducts a summer term of six weeks at Cedar Falls, organized on the highest and best grade of efficiency, yet some counties insist that their teachers leave the summer school during the session to attend the one week county institute, thus depriving them of the extraordinary special opportunities the State affords at its Teachers College.

In order to expand the privileges of the Teachers College for the future, the State can take one additional step, and that is to remove all tuitions for the enrollment and make the College absolutely free to such persons as would be willing to prepare themselves to be teachers. This would cost the State about \$25,000.00 a year more than is now provided for the support of the work and would remove the last barrier that can be suggested for discouraging the preparation of the teacher. By such

means as these, the remarkably fine equipment and buildings that have been already provided by the State could be made to render a greatly enlarged service with but small additional expense to the State. If there is real need of expansion such as is frequently advocated, this test should be made and the exact facts be found by experiment. Today there are too many opinions, too low ideals of the preparation a teacher needs and too small conceptions of the difficulties of public school service.

THE HOSPITAL.

During the past year hospital privileges have been provided for sick students. This has given temporary relief to a very undesirable condition as it removed from the rooming houses those who were unable to be properly cared for there and placed them in favorable and reasonable circumstances. There has been no single week since the hospital opened that some student has not been there for nursing and medical treatment. Several serious cases demanding surgery have been admitted and general relief has been given to a previous unsatisfactory situation. Since this kind of management can not be supported entirely by hospital fees a small increase in the appropriation for such purpose should be requested and secured.

THE NEED FOR SUPERIOR EQUIPMENT.

A teachers college needs more equipment per student in order to give the students a fair chance for familiarizing themselves with modern appliances in teaching than any other class of general college administration could need. This is particularly true of libraries, laboratories, floor space for the industrial activities and for literary society work in which training in the realities of personal service is accomplished. This should never be forgotten when making provision for such development and necessary improvement as is necessary to keep up with the privileges of civilization.

THE COMPLETION OF THE PLANT.

There yet remains to be provided the following buildings and extensions of buildings to complete the College plant and thus enable its work to be made as effective as the conditions of modern education require:

1. A Training School Building, \$140,000.
2. A Building for Training of Vocational Teachers, \$150,000.
3. A Music Building, \$65,000.

These should be so planned and equipped as to make complete provision for the training of public school teachers and would not therefore be duplicates in any sense of the endeavors or training given in other kinds of educational institutions. Manual Arts and Fine Arts properly handled for the educating of teachers is an entirely different problem than that of training a student for other kinds of human activities. Hence the real necessity to make these additions to the present plant.

In addition there is an urgent necessity to provide for the following minor buildings and extensions:

1. A suitable hospital for contagious and other kinds of illness of students, faculty, and employes.
2. An extension of the Power House giving duplicate apparatus.
3. An extension of the Steam Plant to provide for sufficient boiler space.
4. An extension of the Green House and Aquaria for Laboratory and general purposes in science.
5. An Amphitheater and Store House, serving the double purpose of addition for the play ground and for storing the machinery and apparatus used on the grounds.
6. The completion of the cement walks, the paving and the curbing that is essential to the regular service of the school and the proper completion of the grounds.

FIRE PROTECTION.

Several of the original buildings are not of fire proof construction and there is, therefore, great need to provide more adequate means to protect them from such emergencies as may any time arise. Since the pressure of the water from the city system is not sufficient to reach the roofs of these buildings, it is important that a suitable stand pipe be erected on the College grounds that will give the protection so positively needed. Vigilance is constantly exercised but vigilance cannot do anything to protect the property without the essential appliances to meet the need of every such emergency.

Respectfully submitted,

HOMER H. SEERLEY,
President.

SUMMARY OF STUDENTS—1908-1909.

	Men	Women	Total
College graduates	29	158	187

COLLEGE COURSE.

	Men	Women	Total
Freshmen	29	158	187
Sophomores	11	66	77
Juniors	9	29	38
Seniors	11	10	21
Total.....	60	263	323

JUNIOR COLLEGE COURSES.

	Men	Women	Total
Primary	---	243	243
Kindergarten	---	75	75
Public school music	3	47	50
Drawing	---	14	14
Domestic science	---	17	17
Manual training	13	5	18
Physical training	3	14	17
Piano	---	4	4
Violin	1	2	3
Total.....	20	421	441

CERTIFICATE COURSES.

	Men	Women	Total
State Certificate	148	454	602
County certificate	148	422	570
Total.....	296	876	1,172
Unclassified	42	532	574
Total number of students in all departments.....	430	2,115	2,545

TRAINING DEPARTMENT.

	Men	Women	Total
Advanced training school pupils.....	85	96	181
Primary training school pupils.....	27	29	56
Kindergarten training school pupils.....	25	24	49
Total.....	137	149	286
Grand Total.....	567	2,264	2,831

SUMMARY OF STUDENTS—1909-1910.

	Men	Women	Total
College graduates	14	28	42

COLLEGE COURSE.

Freshmen	32	189	221
Sophomores	34	123	157
Juniors	18	45	63
Seniors	21	19	40
Total.....	105	376	481

JUNIOR COLLEGE COURSES.

Primary	---	146	146
Kindergarten	---	57	57
Public school music	---	14	14
Drawing	---	7	7
Domestic science	---	24	24
Manual training	8	5	13
Physical training	2	8	10
Total.....	10	261	271

CERTIFICATE COURSES.

State Certificate—			
Primary	---	118	118
Kindergarten	---	23	23
Public school music	1	37	38
Drawing	1	9	10
Domestic science	---	10	10
Manual training	12	1	13
Physical training	4	2	6
Elementary teacher	52	161	213
Total.....	70	361	431
County certificates	167	671	838
Total.....	237	1,032	1,269
Unclassified	49	437	485
Total number of students in all courses.....	414	2,134	2,548

TRAINING DEPARTMENT.

Advanced training school pupils.....	83	113	196
Primary training school pupils.....	32	28	60
Kindergarten training school pupils.....	23	34	57
Total.....	138	175	313
Grand total.....	552	2,309	2,861

IOWA STATE TEACHERS COLLEGE.

REPORT OF SECRETARY.

To the President of the Iowa State Teachers College:

DEAR SIR: I submit herewith the report of the financial affairs of the Iowa State Teachers College for the biennial period of two years ending June 30, 1910.

FINANCIAL STATEMENT TAKEN FROM THE RECORDS—SUPPORT OF SCHOOL FOR TWO YEARS, 1908-1910.

Amounts on hand in different funds, July 1, 1908:

Teachers Fund	\$.....
Contingent Fund	4,487.23
Millage Fund	2,425.58
Library Fund	2,453.76
Librarians' Salary Fund.....	946.93
Commencement Contingent Fund.....	315.91
Students' Contingent Fund.....	16,737.60
Summer Contingent Fund.....	6,055.25
Paving, Walks and Improvement Fund.....	1,037.21
Summer Term Fund.....	
	\$ 34,459.47

Received from State Appropriations for two years,

1908-1910:

Teachers' Fund, permanent.....	\$167,060.40
Contingent Fund, permanent.....	75,236.22
Summer Term Fund, permanent.....	16,000.00
Millage Fund, one-tenth mill tax.....	136,500.00
Library Fund	10,000.00
Librarians' Salary Fund.....	9,000.00
Paving, Walks and Improvement Fund.....	5,000.00
Hospital Fund	1,000.00
	\$419,796.62

Received from other sources for two years, 1908-1910:

Students' Contingent Fund, fees collected.....	\$ 33,753.00
Summer Contingent Fund, fees collected.....	11,958.47
Commencement Contingent Fund, fees and play..	1,751.12
Hospital Fund, fees collected.....	842.00
Library Fund, fines and books lost.....	196.48
Contingent Fund, material sold.....	2,161.63
Contingent Fund, interest on general daily bal..	560.07
Millage Fund, freight and other refunds.....	35.85
Independent District Cedar Falls tuition.....	4,938.19
District No. 5, Township tuition.....	654.80
	\$ 56,851.61

Transfers between funds—no additional income:

Teachers' Fund from Students' Contingent.....	\$ 24,483.33
Contingent Fund from Students' Contingent....	15,000.00
Summer Term Fund from Summer Contingent...	11,489.61
Summer Term Fund from Students' Contingent..	300.00
Millage Fund from Paving-Walks Fund.....	110.04
	<u>\$ 51,382.98</u>

RESUME.

Amount on hand July 1, 1908.....	\$ 34,459.47
State Appropriations	419,796.62
Other sources	56,851.61
Transfers between funds	51,382.98
	<u>562,490.68</u>

SUPPORT OF SCHOOL FOR BIENNIAL PERIOD 1909-1911.

Appropriations, 1909-1911:

Teachers' Fund, permanent.....	\$175,000.00
Contingent Fund, permanent.....	80,000.00
Summer Term Fund, permanent.....	16,000.00
Millage Fund, one-tenth mill tax	
Library Fund	10,000.00
Librarians' Salary Fund.....	10,000.00
Hospital Fund	2,000.00
Paving, Walks, and Improvement of Grounds Fund	5,000.00
	<u>\$298,000.00</u>

Estimated Receipts from Other Sources:

Students' Contingent Fund, in fees.....	\$ 33,750.00
Summer Contingent Fund, in fees.....	12,000.00
Commencement Contingent Fund, in fees.....	1,000.00
Hospital Fund, in fees.....	1,000.00
Library Fund, fines and books lost.....	200.00
Contingent Fund, material sold.....	2,000.00
Hospital Fund, from patients.....	600.00
Contingent Fund, interest.....	1,000.00
	<u>\$ 51,550.00</u>

Independent School District of Cedar Falls, for training school tuition	\$ 5,000.00
Independent District No. Five, Cedar Falls, Town- ship, for training school tuition.....	500.00
	<u>\$ 5,500.00</u>

Total estimated receipts from all sources
(not including Millage Fund)..... \$355,050.00

SUMMARY OF THE ORDERS ISSUED.

For full detailed statement see report to the Executive Council.

Name of Fund	Year 1908-1909	Year 1909-1910
Teachers fund	\$ 91,983.33	\$ 96,838.34
Contingent fund	49,308.44	45,794.08
Millage fund	71,413.89	61,834.44
Library fund	4,821.54	4,260.46
Librarians' salary fund.....	3,966.25	4,119.94
Commencement contingent fund	583.82	543.79
Students' contingent fund	21,983.33	17,800.00
Summer contingent fund	6,045.00	6,369.61
Paving, walks and improvement fund.....	788.63	3,273.18
Summer term fund	13,375.00	14,352.50
Hospital fund		775.20

TOTALS FOR BIENNIAL PERIOD.

Teachers' Fund	\$190,821.67
Contingent Fund	95,097.52
Millage Fund	132,798.26
Library Fund	9,082.00
Librarians' Salary Fund.....	3,086.19
Commencement Contingent Fund.....	1,127.61
Students' Contingent Fund.....	39,783.33
Summer Contingent Fund.....	12,314.61
Paving, Walks and Improvement Fund.....	4,060.75
Summer Term Fund.....	27,727.50
Hospital Fund	775.20
	<u>\$521,674.64</u>

Note.—Order issued June 16, 1910, No. 1765, for \$1.00 was not paid until after July 1, 1910.

TEACHERS EMPLOYED AND COMPENSATION OF EACH PAID DURING BIENNIAL PERIOD FOR THE REGULAR SCHOOL YEAR, FALL, WINTER AND SPRING TERMS, AND PROPOSED COMPENSATION FOR THE YEAR 1910-1911.

	Paid 1908-1909	Paid 1909-1910	Proposed 1910-1911
H. H. Seerley, President	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
Chauncey P. Colgrove	1,950.00	2,100.00	2,100.00
Anna E. McGovern	1,200.00	1,200.00	1,300.00
George W. Samson	1,800.00	1,800.00	1,900.00
G. W. Walters	1,800.00	1,900.00	1,900.00
Edith C. Buck	1,200.00	720.00	1,300.00
George S. Dick	1,800.00	1,800.00	1,900.00
Wilbur H. Bender	1,800.00	2,100.00	2,100.00
Florence E. Ward	1,200.00	1,400.00	1,400.00
Elizabeth Hughes	1,100.00	1,200.00	1,200.00
Ida Fesenbeck	733.33	1,200.00	1,200.00
Eva Luse	850.00	666.67	1,000.00
Mae Cresswell	750.00	850.00	900.00
Ruth E. Dowdell	466.67	1,000.00	1,000.00
Mattie Louise Hatcher		1,000.00	1,000.00
Floer Correll		750.00	800.00
Etta Suplee	1,200.00		
Laura Bowman	1,000.00		
Frances C. Portman	333.33		
Alice Gordon	550.00	650.00	650.00
Irma Keene	550.00	650.00	
Clara Hancock	450.00	450.00	
Sybil Lincoln	450.00	450.00	
Hazel Webster	450.00	450.00	
Jennie M. Sanders	230.00	450.00	
Christine Thoene		450.00	450.00
Mabel Moyer	450.00		
Grace Keeler	225.00		
Edith Miller	225.00		
Gertrude Dandliker		700.00	700.00
S. A. Lynch		1,800.00	1,900.00
W. W. Gist	1,800.00	1,800.00	1,900.00
Jennette Carpenter	1,200.00	1,200.00	
Lillian V. Lambert	1,000.00	1,200.00	1,300.00
Eva L. Gregg	1,000.00	1,000.00	1,100.00
Margaret Oliver	1,000.00	1,000.00	1,000.00
Carrie B. Parker	1,000.00	366.67	
Mamie F. Hearst	950.00	1,000.00	1,100.00
Jennie G. Hutchison	1,000.00		
Mabel J. Lodge		540.00	600.00
Bertha Martin	1,400.00	1,500.00	1,600.00
Seeley K. Tompkins	1,400.00	1,800.00	
Laura E. Falkler	1,000.00	990.00	1,100.00
Frank Ivan Merchant	1,800.00	2,000.00	2,000.00
Myra E. Call	1,200.00	1,200.00	1,300.00
John B. Knoepfler	1,800.00	1,900.00	2,000.00
Charlotte Lorenz	800.00	900.00	900.00
D. Sands Wright	-1,800.00	2,000.00	2,000.00
Ira S. Condit	1,800.00	2,000.00	2,000.00
Charles S. Cory	1,400.00	1,600.00	1,700.00
Laura S. Seals	1,000.00	1,100.00	1,100.00
Emma F. Lambert	900.00	1,000.00	1,100.00
Abbott C. Page	1,800.00	1,900.00	2,000.00
R. W. Getchell		1,000.00	1,000.00
C. H. Anthony	800.00		
Louis Begeman	1,800.00	2,000.00	2,000.00
S. Freeman Hersey	1,600.00	1,600.00	1,600.00
Edgar K. Chapman	1,200.00		1,400.00
J. Owen Perrine		1,000.00	
Edward Coe	48.00		
Fred Vorhies	72.00	50.00	
Melvin F. Arey	1,800.00	1,900.00	2,000.00
George W. Newton	1,800.00	1,800.00	1,900.00
Emmett J. Cable	1,400.00	1,700.00	1,700.00
Allson E. Aitchison	900.00	1,100.00	1,100.00

TEACHERS EMPLOYED AND COMPENSATION OF EACH PAID DURING BIENNIAL PERIOD FOR THE REGULAR SCHOOL YEAR, FALL, WINTER AND SPRING TERMS, AND PROPOSED COMPENSATION FOR THE YEAR 1910-1911.

	Paid 1908-1909	Paid 1909-1910	Proposed 1910-1911
Leonard W. Parish	1,800.00	1,375.00	
Sara M. Riggs	1,200.00	1,200.00	1,300.00
Sara F. Rice	1,200.00	1,200.00	1,300.00
Charles H. Meyerholz	1,500.00	1,800.00	1,900.00
Henrietta Thornton	1,200.00	1,200.00	1,300.00
Bertha L. Patt	1,200.00	1,200.00	1,300.00
May L. Wright	75.00		
Nell Newton	20.00		
Clara E. Drake		20.00	
Harry C. Cummins	1,200.00	1,300.00	1,300.00
Harriet Kramer	80.00		
J. W. McGeeney		40.00	
C. A. Fullerton	1,800.00	2,000.00	2,000.00
Frances M. Dickey	1,000.00		1,200.00
Hulda Stenwall	1,000.00	1,100.00	1,100.00
Winifred Neff		540.00	
E. O. Bangs	300.00		
W. E. Hays		300.00	300.00
Robert Fullerton		300.00	400.00
Anna Gertrude Childs	300.00	400.00	400.00
Mrs. C. H. Meyerholz			
Elizabeth Burney			
John Ross Frampton	250.00	400.00	400.00
Margaret Whipple			
B. Winfred Merrill	1,300.00	1,300.00	1,300.00
R. F. Seymour	1,400.00	1,600.00	1,600.00
Clayton B. Simmons	1,200.00	1,400.00	1,400.00
Mabel B. McNally		1,200.00	
Lillian H. Bruce	1,000.00	1,200.00	1,200.00
Jessie Hurst	800.00		
Ruth Hallingby	112.50		
Harriet Manful	112.50		
Ethel Vinall		315.00	
Charles H. Bailey	1,850.00	2,000.00	2,000.00
Mrs. Alma L. McMahon	1,000.00	1,000.00	1,000.00
Clark H. Brown	900.00	1,000.00	1,000.00
Mary L. Townsend	1,000.00	1,200.00	1,300.00
Mrs. Marion McF. Walker	1,000.00	1,000.00	1,100.00
Anna Kolb		75.00	
Hortense Meier		75.00	
Florence Smith		75.00	
A. W. Taylor		525.00	
Olive Olander		95.00	
Evelyn Hansen		20.00	
Emma Gamble			400.00
Eva Fallgatter			400.00
Mary Barnum			450.00
Alice Grier			450.00
Katherine Nenko			450.00
Anna Gostrup			450.00
Glee Maeck			450.00
Clara H. Baker			1,000.00
John Barnes			1,500.00
Reuben McKittrick			1,500.00
Henry J. Peterson			1,000.00
Kate Kenny			
Mary Samson			450.00
Physical Training teacher			1,000.00
Drawing assistant			100.00
Penmanship assistant			100.00
Physics assistant			120.00
	\$ 91,983.33	\$ 98,838.34	\$ 104,020.00

SUMMER SCHOOL SALARIES.

	1909	1909
Lillian Cummings	\$ 30.00	
Julia Curtiss	50.00	
F. F. Almy	300.00	300.00
C. H. Anthony	140.00	140.00
M. F. Arey	350.00	350.00
Amy Arey	250.00	250.00
C. H. Bailey	350.00	350.00
C. H. Brown	100.00	180.00
Alys Bentley	225.00	
Lillian Bruce	200.00	
C. P. Colgrove	400.00	400.00
Jennette Carpenter	250.00	250.00
Ira S. Condit	350.00	350.00
C. S. Cory	280.00	250.00
E. K. Chapman	220.00	240.00
E. J. Cable	250.00	280.00
J. T. Colgrove	125.00	
H. C. Cummins	250.00	250.00
George S. Dick	350.00	350.00
Frances Dickey	180.00	200.00
C. A. Fullerton	350.00	350.00
W. W. Gist	350.00	350.00
K. F. Geiser	350.00	
Jennie Hutchison	200.00	
Mamie F. Hearst	200.00	200.00
S. F. Hersey	320.00	320.00
Johanna Hansen	200.00	200.00
Elizabeth Hughes	220.00	
Mrs. E. D. Ingalls	240.00	
J. B. Knoepfler	350.00	350.00
Irma Keene	90.00	140.00
Emma F. Lambert	180.00	180.00
Anna E. McGovern	270.00	270.00
Bertha Martin	280.00	280.00
F. I. Merchant	350.00	350.00
Alma McMahon	200.00	200.00
B. W. Merrill	260.00	260.00
Mabel McNally	180.00	200.00
George W. Newton	350.00	350.00
A. C. Page	350.00	350.00
L. W. Parish	850.00	350.00
W. E. Proctor	60.00	
Frances C. Portman	140.00	
Sara F. Rice	250.00	250.00
George W. Samson	350.00	350.00
Laura S. Seals	200.00	220.00
C. B. Simmons	220.00	240.00
R. F. Seymour	280.00	280.00
S. K. Tompkins	280.00	280.00
D. S. Wright	350.00	350.00
S. L. Thomas	200.00	
May L. Wright	125.00	
Florence E. Ward	250.00	250.00
G. W. Walters	350.00	350.00
Otis Weigle	30.00	50.00
Allison Alchison		180.00
Wilbur H. Bender		350.00
Laura Bowman		102.50
Louis Begeman		50.00
Anna G. Childs		60.00
Ruth E. Dowdell		160.00
John R. Frampton		60.00
Alice Gordon		100.00
Eva L. Gregg		220.00
Jessie Hurst		160.00
Harriet Kramer		10.00
Karl Knoepfler		50.00
Charles H. Meyerholz		300.00
A. Parish		60.00
Bertha L. Patt		250.00
Sara M. Riggs		250.00
Hulda Steuwall		200.00
Henrietta Thornton		250.00
	\$ 13,375.00	\$ 14,302.50

SALARIES PAID OTHER EMPLOYEES SINCE JUNE 30, 1908.
Contingent Fund.

	1908-1909	1909-1910
Anna R. Wild, president's secretary	\$ 1,200.00	\$ 1,317.50
Lillian G. Goodwin, secretary of the college	1,200.00	1,500.00
Millicent Warriner, stenographer	716.50	706.15
Beatrice Wilbur, stenographer	710.00	780.00
Caroline Bjerre, stenographer	660.00	
Bess Johnson, stenographer	81.00	413.50
Laurentza Hansen, stenographer	86.00	170.00
Glenn McQueen, stenographer	100.00	91.67
Delpha Davis, clerk	75.00	
Doris Hardy, clerk	258.00	24.00
Florenz Meier, clerk	30.00	
Ellen S. White, stenographer		107.00
Evelyn Morton, stenographer		133.85
Emma Deines, clerk		240.00
Hazel Brown, stenographer		78.88
J. E. Robinson, superintendent (residence)	1,800.00	2,000.00
I. J. Wright, electrician	1,200.00	1,200.00
Hans Rasmussen, engineer	900.00	900.00
A. P. Christensen, carpenter	840.00	840.00
Hans Hansen, carpenter	840.00	840.00
A. M. Cleveland, fireman and watchman	720.00	720.00
George Evans, fireman	820.00	840.00
E. L. Sibert, fireman	710.00	180.00
H. C. Harmon, fireman and watchman	660.00	600.00
Wm. Wallace, fireman and yardman	660.00	720.00
Thos. N. Justice, janitor	660.00	720.00
James Justice, janitor	660.00	720.00
Elmer Maxson, janitor	657.90	680.00
Peter Christensen, janitor	660.00	720.00
H. L. Stech, janitor	660.00	660.00
W. B. Hoats, janitor	475.00	
Wm. McChane, janitor	275.00	720.00
S. R. Dryden, janitor	440.00	
Chas. G. Wiler, janitor	165.00	720.00
W. J. Johnson, janitor	660.00	660.00
John McLain, janitor	420.00	465.00
Andrew Sorenson, janitor	203.80	
G. L. Curtis, janitor	275.00	330.00
Mrs. T. N. Justice, matron gymnasium	28.00	12.00
W. E. Proctor, watchman	456.00	610.00
Henry M. Barnes, fireman		40.60
Philip Seltnerich, janitor		251.63
John Barnes, fireman		
Librarians' Salary Fund—		
Ellen D. Biscoe, librarian	1,200.00	1,133.34
Mattie Fargo, cataloguer	833.75	825.00
Ethel L. Arey, assistant in library	820.00	840.00
Iva Huntley, assistant in library	610.00	690.00
Mabel Mastain, assistant in library	450.00	517.50
Bernice Davis, assistant in library	52.50	
Lillian Sharts, assistant in library		63.90
R. O. Bagby, assistant in library		15.20
Carrie Patton, assistant in library		95.00
	\$ 25,538.45	\$ 26,489.69

ANNUAL SALARIES CONTRACTED TO BE PAID OTHER EMPLOYEES
THAN TEACHERS FOR THE YEAR 1910-1911.

CONTINGENT FUND.

Anna R. Wild, president's secretary.....	\$ 1,500.00
Lillian G. Goodwin, secretary of the college.....	1,500.00
Beatrice Wilbur, stenographer.....	780.00
Millicent Warriner, stenographer.....	720.00
Evelyn Morton, stenographer.....	720.00
Hazel Brown, stenographer.....	600.00
Emma Deines, clerk.....	480.00
J. E. Robinson, superintendent.....	2,000.00
I. J. Wright, electrician.....	1,320.00
Hans Rasmussen, engineer.....	900.00
Hans Hansen, carpenter.....	900.00
A. P. Christensen, carpenter.....	900.00
George Evans, fireman.....	840.00
A. M. Cleveland, night watchman.....	720.00
William Wallace, fireman.....	720.00
H. C. Harmon, fireman and yardman.....	720.00
Henry Barnes, fireman and yardman.....	720.00
Robert Billings, yardman.....	720.00
T. N. Justice, janitor.....	720.00
James T. Justice, janitor.....	720.00
Elmer Maxson, janitor.....	720.00
L. P. Christensen, janitor.....	720.00
S. Dryden, janitor.....	720.00
William Johnson, janitor.....	720.00
H. L. Stech, janitor.....	720.00
Phillip Seltenrich, janitor.....	720.00
W. B. Hoats, janitor.....	660.00
John McLain, janitor.....	660.00
Mrs. T. N. Justice, matron gymnasium.....	330.00
_____, fireman in place of Sibert.....	720.00
_____, janitor for new Library, 12 months....	720.00
_____, janitor for new Library, 12 months....	720.00
	\$ 26,330.00

LIBRARIANS' SALARY FUND.

Ellen D. Biscoe, librarian.....	\$ 1,400.00
Mattie Fargo, cataloguer.....	935.00
Ethel L. Arey, loan desk attendant.....	820.00
Iva Huntley, assistant.....	630.00
Mabel Mastain, assistant.....	525.00
Student assistant.....	75.00
Student assistant.....	25.00
	\$ 4,410.00

Respectfully submitted,

LILLIAN G. GOODWIN,
Secretary of the College.

REPORT OF TREASURER OF IOWA STATE TEACHERS' COLLEGE.
For biennial period ending June 30, 1910.

June 1908 30--	Balance on hand.....		\$ 34,450.47
	Received in Contingent Fund--		
July 25--	H. H. Seerley.....	\$ 312.85	
September 25--	Warrant 5100.....	5,000.00	
October 6--	Warrant 5640.....	3,500.00	
November 27--	H. H. Seerley.....	220.31	
December 10--	From Students' Contingent fund.....	4,000.00	
December 22--	Warrant 8067.....	5,000.00	
January 1909 6--	H. H. Seerley.....	1,000.00	
January 18--	Warrant 9055.....	3,500.00	
March 11--	H. H. Seerley.....	288.88	
March 24--	Warrant 12271.....	8,500.00	
June 18--	School District No. 5.....	381.00	
June 22--	Warrant No. 15800.....	8,500.00	
June 28--	H. H. Seerley.....	1,379.40	
	Students' Contingent fund.....	3,500.00	
	H. H. Seerley.....	90.77	
	H. H. Seerley.....	169.00	
July 1--	Warrant 16218.....	1,236.22	
July 16--	Students' Contingent fund.....	7,500.00	
July 27--	H. H. Seerley.....	93.06	
September 24--	Warrant 19602.....	5,000.00	
October 14--	Warrant 506.....	5,000.00	
November 26--	H. H. Seerley.....	186.34	
November 30--	Interest.....	226.60	
December 23--	H. H. Seerley.....	256.75	
December 30--	Interest for December.....	85.21	
January 1910 13--	Independent School District.....	1,000.00	
January 17--	Warrant No. 3889.....	5,000.00	
	Interest to January 15.....	13.68	
February 12--	Warrant 5147.....	3,500.00	
	Warrant 5146.....	1,500.00	
February 15--	Interest to February 15.....	48.61	
March 12--	H. H. Seerley.....	286.40	
March 15--	Warrant 6159.....	5,000.00	
March 16--	Interest to March 16.....	43.21	
April 15--	Interest to April 15.....	66.17	
April 18--	Warrant 7174.....	3,500.00	
	Warrant 7170.....	1,500.00	
May 16--	Interest to May 16.....	78.14	
May 23--	Warrant No. 8009.....	5,000.00	
June 13--	H. H. Seerley.....	307.68	
June 14--	Warrant 9380.....	3,000.00	
	Warrant 9381.....	2,000.00	
June 15--	Interest to June 15.....	48.42	
June 28--	Cedar Falls Independent School District.....	1,558.79	
June 30--	George L. Crosby, treasurer.....	273.80	
	Received in Commencement Contingent Fund--		\$ 98,550.91
July 1908 24--	H. H. Seerley.....	\$ 153.00	
August 14--	H. H. Seerley.....	341.14	
December 5--	H. H. Seerley.....	105.00	
March 1909 11--	H. H. Seerley.....	28.00	
June 14--	H. H. Seerley.....	305.00	
June 28--	H. H. Seerley.....	21.00	
July 27--	H. H. Seerley.....	185.00	
July 30--	Proceeds two class plays.....	213.98	
November 20--	H. H. Seerley.....	72.00	
March 12--	H. H. Seerley.....	39.00	
June 13--	H. H. Seerley.....	259.00	
October 1909 14--	Warrant 507.....	\$ 250.00	
December 3--	H. H. Seerley.....	252.00	
December 23--	H. H. Seerley.....	60.00	
	Received in Hospital Fund--		1,751.12

TREASURER'S REPORT—CONTINUED.

1910				
February 12	Warrant 5149	250.00		
March 12	H. H. Seerley	222.57		
March 19	H. H. Seerley	187.00		
June 13	H. H. Seerley	13.00		
June 14	Warrant 9379	500.00		
June 18	H. H. Seerley	107.43		
	Received in Library Fund—		1,842.00	
July 25	H. H. Seerley	8.50		
October 16	Warrant 2500	2,500.00		
November 27	H. H. Seerley	15.00		
1909				
February 18	Warrant 10507	2,500.00		
March 11	H. H. Seerley	41.35		
June 28	H. H. Seerley	32.50		
November 26	H. H. Seerley	30.90		
1910				
January 17	Warrant 3803	1,250.00		
March 12	H. H. Seerley	29.08		
April 18	Warrant 7172	1,250.00		
June 13	H. H. Seerley	39.15		
June 14	Warrant 9377	2,500.00		
	Received in Librarian's Salary Fund—		10,196.43	
October 16	Warrant 5707	2,000.00		
1909				
February 13	Warrant 10508	2,000.00		
October 14	Warrant 505	1,250.00		
1910				
January 17	Warrant 3802	1,250.00		
April 18	Warrant 7171	1,250.00		
June 14	Warrant 9378	1,250.00		
	Received in Millage Fund—		9,000.00	
July 17	Warrant 72	5,000.00		
August 25	Warrant 73	5,000.00		
	Warrant 74	3,000.00		
September 8	Warrant 75	5,000.00		
September 25	Warrant 76	5,000.00		
October 16	Warrant 77	5,000.00		
November 19	Warrant 78	5,000.00		
1909				
January 5	Warrant 79	5,000.00		
January 22	Warrant 80	2,500.00		
February 13	Warrant 81	5,000.00		
April 5	Warrant 82	5,000.00		
April 24	Warrant 83	5,000.00		
May 10	H. H. Seerley	11.65		
May 12	Warrant 84	5,000.00		
June 7	Warrant 85	5,000.00		
June 21	Warrant 86	5,000.00		
July 17	Warrant 87	10,000.00		
September 9	H. H. Seerley	110.04		
September 24	Warrant 88	10,000.00		
October 18	Warrant 89	10,000.00		
November 26	H. H. Seerley	6.40		
November 30	Warrant 90	2,000.00		
December 11	H. H. Seerley	7.80		
December 20	Warrant 91	5,000.00		
December 23	H. H. Seerley	10.10		
1910				
January 17	Warrant 92	4,000.00		
February 12	Warrant 93	5,000.00		
March 23	Warrant 94	5,000.00		
May 12	Warrant 95	5,000.00		
June 8	Warrant 96	5,000.00		
June 14	Warrant 97	5,000.00		
	Received in Pavement and Walk Fund—		135,645.89	
July 1909	Warrant 16801	1,250.00		
1910				
April 8	Warrant 7173	1,250.00		
May 12	Warrant 8101	1,250.00		
June 14	Warrant 9376	1,250.00		
	Received in Students Contingent Fund—		5,000.00	
September 1908	H. H. Seerley	4,500.00		

TREASURER'S REPORT—CONTINUED.

September 5	H. H. Seerley	370.00		
September 12	H. H. Seerley	350.00		
November 27	H. H. Seerley	230.25		
December 2	H. H. Seerley	5,060.00		
December 5	H. H. Seerley	400.00		
1909				
January 9	H. H. Seerley	350.00		
March 11	H. H. Seerley	109.26		
March 17	H. H. Seerley	3,750.00		
March 18	H. H. Seerley	520.00		
March 20	H. H. Seerley	295.00		
March 26	H. H. Seerley	390.00		
June 14	H. H. Seerley	362.62		
September 1	H. H. Seerley	4,725.00		
September 27	H. H. Seerley	900.00		
November 26	H. H. Seerley	117.33		
December 1	H. H. Seerley	5,300.00		
December 3	H. H. Seerley	375.00		
December 11	H. H. Seerley	125.00		
1910				
March 12	H. H. Seerley	94.92		
March 16	H. H. Seerley	4,450.00		
March 19	H. H. Seerley	350.00		
March 24	H. H. Seerley	200.00		
April 2	H. H. Seerley	200.00		
June 11	H. H. Seerley	228.62		
	Received in Summer Contingent Fund—		33,753.00	
July 1908	H. H. Seerley	220.00		
1909				
June 12	H. H. Seerley	1,730.00		
June 15	H. H. Seerley	3,000.00		
June 18	H. H. Seerley	780.00		
June 23	H. H. Seerley	524.36		
July 27	H. H. Seerley	107.01		
July 30	H. H. Seerley	22.10		
1910				
June 11	H. H. Seerley	2,070.00		
June 13	H. H. Seerley	2,940.00		
June 17	H. H. Seerley	665.00		
	Received in Summer Term Fund—		11,958.47	
July 13	Warrant 2299	8,000.00		
September 30	From Summer Contingent fund	5,375.00		
1909				
July 16	From Summer Contingent fund	6,114.61		
	From Students' Contingent fund	300.00		
July 17	Warrant 16800	8,000.00		
	Received in Teachers Fund—		27,789.61	
September 1908	Warrant 5101	10,000.00		
October 28	Warrant 6001	9,375.00		
December 10	From Students' Contingent fund	13,500.00		
December 22	Warrant 8058	5,000.00		
1909				
January 18	Warrant 9054	14,375.00		
March 24	Warrant 12272	12,000.00		
April 24	Warrant 13873	7,375.00		
June 22	Warrant 15810	19,375.00		
June 23	From Students' Contingent fund	983.33		
June 30	Warrant 16217	2,060.40		
September 24	Warrant 19601	10,000.00		
October 14	Warrant 503	9,375.00		
	Warrant 504	2,500.00		
November 22	Warrant 408	6,000.00		
December 22	Warrant 3073	10,000.00		
1910				
January 17	Warrant 3890	9,375.00		
	Warrant 3891	2,500.00		
March 15	Warrant 6160	9,375.00		
	Warrant 6161	2,500.00		
April 18	Warrant 7169	9,375.00		
May 12	Warrant 8099	2,500.00		
	Warrant 8100	10,000.00		
May 23	From Students' Contingent fund	4,000.00		
February 14	Warrant 5152	10,000.00		
	Total receipts		191,543.73	
			532,490.66	

TREASURER'S REPORT—CONTINUED.
DISBURSEMENTS.

Orders paid on Contingent fund.....	\$ 95,096.52	
Orders paid on Commencement Contingent fund.....	1,127.61	
Orders paid on Hospital fund.....	775.20	
Orders paid on Library fund.....	9,082.00	
Orders paid on Librarian's Salary fund.....	8,086.19	
Orders paid on Millage fund.....	132,798.28	
Orders paid on Pavement and Walk fund.....	4,060.75	
Orders paid on Students' Contingent fund.....	39,783.33	
Orders paid on Summer Term fund.....	27,727.50	
Orders paid on Summer Contingent fund.....	12,314.61	
Orders paid on Teachers' fund.....	190,821.67	
		\$ 521,973.64
Leaving cash on hand.....		\$ 40,817.04
Divided into funds as follows—		
Contingent fund.....	\$ 7,941.62	
Commencement Contingent fund.....	939.42	
Hospital fund.....	1,066.80	
Library fund.....	3,568.24	
Librarian's Salary fund.....	1,890.74	
Millage fund.....	6,273.21	
Pavement and Walk fund.....	1,976.46	
Students' Contingent fund.....	10,707.27	
Summer Term fund.....	62.11	
Summer Contingent fund.....	5,699.11	
Teachers' fund.....	722.06	
		\$ 40,817.04

All of which is respectfully submitted.

Cedar Falls, Iowa, July 28th, 1910.

H. N. SILLIMAN,
Treasurer

ITEMIZED AND CLASSIFIED
EXPENDITURES

OF THE

Iowa State Teachers' College

For the Biennial Period
July 1, 1908, to June 30, 1910

Report for the Office of the Iowa State Teachers College to the Executive Council of Iowa, of expenses, salaries, supplies, etc., from July 1, 1908, to June 30, 1910, made in compliance with provisions of Chapter 6, Acts of the 28th General Assembly.

I, Lillian G. Goodwin, being first sworn, on oath state, that the attached sheets contain a correct, complete, classified and itemized statement of all salaries and expenses paid, and of all supplies and paper drawn, and printing and binding done, with a correct showing as to the particular fund, fees or money from which said expenditures were made, and also, a statement of the disposition in detail of all fees and moneys collected by this office for the period beginning July 1, 1908, and ending June 30, 1910, as I verily believe.

LILIAN G. GOODWIN,

Secretary Iowa State Teachers College.

Official title.

State of Iowa, }
Black Hawk County, } ss.

Subscribed and sworn to before me, by
Lillian G. Goodwin, on the fifth day of Aug.
1910.

Wm. C. NUHN,
Notary Public in and for Black
Hawk County, Iowa.

STATE TEACHERS COLLEGE.

Itemized and Classified Expenditures of the State Teachers College
for 1908-1909 and 1909-1910.

TEACHERS' FUND.

Salaries for regular school year unless otherwise stated.

Name and Title	Salaries	
	1908-1909 Amount	1909-1910 Amount
Homer H. Seerley, president.....	\$ 5,000.00	\$ 5,000.00
Professional Instruction in Education—		
Chauncey P. Colgrove, professor.....	1,950.00	2,100.00
Anna E. McGovern, professor.....	1,200.00	1,200.00
Geo. W. Samson, professor.....	1,800.00	1,800.00
G. W. Walters, professor.....	1,800.00	1,900.00
Edith C. Buck, professor.....	1,200.00	720.00
George S. Dick, professor.....	1,800.00	1,800.00
Training in Teaching—		
Wilbur H. Bender, professor.....	1,800.00	2,100.00
Florence E. Ward, supervisor kindergarten.....	1,200.00	1,400.00
Elizabeth Hughes, critic.....	1,100.00	1,200.00
Ida Fesenbeck, critic—6 months.....	733.33	1,200.00
Eva Luse, critic.....	850.00	666.67
Mae Cresswell, critic.....	750.00	850.00
Ruth E. Dowdell, critic kindergarten—5 months.....	466.67	1,000.00
Mattie Louise Hatcher, primary critic.....		1,000.00
Floer Correll, critic.....		750.00
Etta Suplee, primary critic.....	1,200.00	
Laura Bowman, critic.....	1,000.00	
Francis C. Portman, critic kindergarten—4 months.....	333.33	
Alice Gordon, assistant primary critic.....	550.00	650.00
Irma Keene, assistant primary critic.....	550.00	650.00
Clara Hancock, critic teacher in training.....	450.00	450.00
Syoll Lincoln, critic teacher in training.....	450.00	450.00
Hazel Webster, critic teacher in training.....	450.00	450.00
Jennie M. Sanders, critic teacher in training—6 months.....	230.00	450.00
Christine Thoene, critic teacher in training.....		450.00
Mabel Moyer, critic teacher in training.....	450.00	
Grace Keeler, primary critic teacher in training.....	225.00	
Edith Miller, primary critic teacher in training.....	225.00	
Gertrude Dandliker, drawing and manual training teacher.....		700.00
Department of English Language and Literature—		
S. A. Lynch, professor.....		1,800.00
W. W. Gist, professor.....	1,800.00	1,800.00
Jennette Carpenter, professor.....	1,200.00	1,200.00
Lillian V. Lambert, professor.....	1,000.00	1,200.00
Eva L. Gregg, assistant professor.....	1,000.00	1,000.00
Margaret Oliver, assistant professor.....	1,000.00	1,000.00
Carrie B. Parker, assistant professor.....	1,000.00	866.67
Mamie F. Hearst, assistant professor.....	950.00	1,000.00
Jennie G. Hutchison, assistant professor.....	1,000.00	
Mabel J. Lodge, instructor.....		540.00
Department of Elocution and Public Speaking—		
Bertha Martin, professor.....	1,400.00	1,500.00
Seeley K. Tompkins, professor.....	1,400.00	1,600.00
Laura E. Falkler, assistant professor.....	1,000.00	990.00
Department of Latin and Greek—		
Frank Ivan Merchant, professor.....	1,800.00	2,000.00
Myra E. Call, professor.....	1,200.00	1,200.00
Department of German and French—		
John B. Knoepfler, professor.....	1,800.00	1,900.00
Charlotte Lorenz, instructor.....	800.00	900.00
Department of Geometry and Surveying—		
D. Sands Wright, professor.....	1,800.00	2,000.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Name and Title	Salaries	
	1908-1909 Amount	1909-1910 Amount
Department of Mathematics—		
Ira S. Condit, professor.....	1,800.00	2,000.00
Charles S. Cory, professor.....	1,400.00	1,600.00
Laura S. Seals, assistant professor.....	1,000.00	1,100.00
Emma F. Lambert, assistant professor.....	900.00	1,000.00
Department of Chemistry—		
Abbott C. Page, professor.....	1,800.00	1,900.00
R. W. Getchell, instructor.....		1,000.00
C. H. Anthony, instructor.....	800.00	
Department of Physics—		
Louis Begeman, professor.....	1,800.00	2,000.00
S. Freeman Hersey, professor.....	1,600.00	1,600.00
Edgar K. Chapman, assistant professor.....	1,200.00	
J. Owen Ferrine, instructor.....		1,000.00
Edward Coe, assistant—15 weeks.....	48.00	
Fred Vorhies, assistant—21 weeks.....	72.00	50.00
Department of Natural Science—		
Melvin F. Arey, professor.....	1,800.00	1,900.00
Geo. W. Newton, professor.....	1,800.00	1,800.00
Emmett J. Cable, professor.....	1,400.00	1,700.00
Allison E. Alchison, assistant professor.....	900.00	1,100.00
Department of History and Politics—		
Leonard W. Parish, professor.....	1,800.00	1,375.00
Sara M. Riggs, professor.....	1,200.00	1,200.00
Sara F. Rice, professor.....	1,200.00	1,200.00
Charles H. Meyerholz, professor.....	1,500.00	1,800.00
Department of Art—		
Henrietta Thornton, professor.....	1,200.00	1,200.00
Bertha L. Patt, professor.....	1,200.00	1,200.00
May L. Wright, assistant—3 months.....	75.00	
Nell Newton, assistant—3 months.....	20.00	
Clara E. Drake, assistant.....		20.00
Department of Commercial Education—		
Harry C. Cummins, professor.....	1,200.00	1,300.00
Harriet Kramer, assistant—6 months.....	80.00	
J. W. McGeeney, assistant.....		40.00
Department of Vocal Music—		
C. A. Fullerton, professor.....	1,800.00	2,000.00
Frances M. Dickey, assistant professor.....	1,000.00	
Hulda Stenwall, assistant professor.....	1,000.00	1,100.00
Winifred Neff, instructor.....		540.00
E. O. Bangs, assistant.....	300.00	
W. E. Hays, assistant.....		300.00
Department of Voice—		
Robert Fullerton, professor.....		
Anna Gertrude Childs, professor.....	300.00	400.00
Mrs. C. H. Meyerholz, instructor.....		
Elizabeth Burney, instructor.....		
Department of Pianoforte—		
John Ross Frampton, professor.....	250.00	400.00
Margaret Whipple, instructor.....		
Department of Orchestra and Band—		
B. Winfred Merrill, professor.....	1,300.00	1,300.00
Department of Physical Training—		
R. F. Seymour, professor.....	1,400.00	1,600.00
Clayton B. Simmons, physical director.....	1,200.00	1,400.00
Mabel B. McNally, assistant physical director.....		1,200.00
Lillian H. Bruce, assistant physical director.....	1,000.00	1,200.00
Jessie Hurst, substitute teacher.....	800.00	
Ruth Hallingby, floor instructor.....	112.50	
Harriet Manful, floor instructor.....	112.50	
Ethel Vnall, floor instructor.....		315.00
Department of Manual Arts—		
Charles H. Bailey, professor.....	1,800.00	2,000.00
Mrs. Alma L. McMahon, instructor.....	1,000.00	1,000.00
Clark H. Brown, instructor.....	900.00	1,000.00
Department of Home Economics—		
Mary L. Townsend, instructor.....	1,000.00	1,200.00
Mrs. Marion McF. Walker, dean of women.....	1,000.00	1,000.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Name and Title	Salaries	
	1908-1909 Amount	1909-1910 Amount
Department of Training in Teaching—		
Anna Kolb.....		75.00
Hortense Meier.....		75.00
Florence Smith.....		75.00
Department of History and Politics—		
A. W. Taylor.....		525.00
Department of Elocution and Public Speaking—		
Olive Olander.....		95.00
Department of Art—		
Evelyn Hansen.....		30.00
Total.....	\$ 91,983.33	\$ 98,838.34
Total for two years.....		\$ 190,821.67

CONTINGENT FUND.

SALARIES OF EMPLOYEES.

Anna R. Wild, presidents' secretary.....	\$ 1,200.00	\$ 1,317.50
Lillian G. Goodwin, secretary of college.....	1,200.00	1,500.00
Millicent Warriner, stenographer.....	716.50	706.15
Beatrice Wilbur, stenographer.....	710.00	720.00
Caroline Bjerre, stenographer.....	660.00	
Bess Johnson, stenographer.....	31.00	413.50
Laurentza Hansen, stenographer.....	86.00	170.00
Glenn McQueen, stenographer.....	100.00	91.67
Delpha Davis, clerk.....	75.00	
Doris Hardy, clerk.....	258.00	24.00
Florenz Meier, clerk.....	30.00	
Ellen S. White, stenographer.....		107.00
Evelyn Morton, stenographer.....		133.85
Emma Deines, clerk.....		240.00
Hazel Brown, stenographer.....		76.88
J. E. Robinson, superintendent (residence).....	1,800.00	2,000.00
I. J. Wright, electrician.....	1,200.00	1,200.00
Hans Rasmussen, engineer.....	900.00	900.00
A. P. Christensen, carpenter.....	840.00	840.00
Hans Hansen, carpenter.....	840.00	840.00
A. M. Cleveland, fireman and watchman.....	720.00	720.00
George Evans, fireman.....	820.00	840.00
E. L. Sibert, fireman.....	710.00	180.00
H. C. Harmon, fireman and watchman.....	660.00	600.00
Wm. Wallace, fireman and yardman.....	680.00	720.00
Thos. N. Justice, janitor.....	660.00	720.00
James Justice, janitor.....	660.00	720.00
Elmer Maxson, janitor.....	657.90	680.00
Peter Christensen, janitor.....	660.00	720.00
H. L. Stech, janitor.....	660.00	720.00
W. B. Hoats, janitor.....	660.00	660.00
Wm. McChane, janitor.....	475.00	
S. R. Dryden, janitor.....	275.00	720.00
Chas. G. Wiler, janitor.....	440.00	
W. J. Johnson, janitor.....	165.00	720.00
John McLain, janitor.....	660.00	660.00
Andrew Sorensen, janitor.....	420.00	465.00
G. L. Curtis, janitor.....	203.80	
Mrs. T. N. Justice, matron gymnasium.....	275.00	330.00
W. E. Proctor, watchman.....	28.00	12.00
Henry M. Barnes, fireman.....	456.00	610.00
Philip Seitenrich, janitor.....		40.00
John Barnes, fireman.....		251.60
Total.....	\$ 21,572.20	\$ 22,369.75
Total for two years.....		\$ 43,941.95

STATE TEACHERS COLLEGE.

CONTINGENT FUND.

Superintendent's Department Expense, Including Water, Light, Freight, Furniture and General Running Expenses 1908-09.

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
July 1908		
July 1	Lussy, White & Coolidge, hardware.....	2.95
	India Alkali Works, 1 bbl. savogran.....	14.90
	Pittsburgh Plate Glass Co., 18 lights glass.....	24.10
	Chas. W. Breneman & Co., 56 yds curtain goods.....	12.32
	Orr & Lockett Hardware Co., hardware.....	9.31
	B. H. Stiles, horse hire.....	46.87
	B. H. Stiles, horse purchased.....	100.00
	H. Dahl, window cord.....	6.00
	Bancroft & Son, plants.....	5.64
	G. W. Clark, freight and drayage on tools, material and supplies.....	6.80
July 2	Superintendent's pay roll work on tennis courts and grounds, (5 men at \$2 per day, 2 men at \$1.75 per day and 3 men at \$3.50 per day).....	111.85
	Robinson Dry Goods Co., decorations, mop cloth and screens.....	40.49
July 7	H. L. Chase & Co., clock repairs.....	2.50
July 8	Citizens Gas & Electric Co., gas and electricity.....	42.38
July 9	Gibson & Graham, oil, gas and general supplies.....	3.30
July 11	G. W. Clark, freight and drayage.....	3.15
July 15	Cedar Falls Water Works, water rent for quarter ending July 1, 1908, at 10c per 1,000 gallons.....	270.64
July 18	G. W. Clark, freight and drayage.....	17.80
July 20	Superintendent's pay roll work on grounds, (3 men at \$2 per day and 1 man at \$2.25 per day).....	89.52
July 22	Geo. A. Smith, painting society halls.....	35.75
July 23	Cedar Falls Broom Co., 2 doz. brooms.....	9.00
	Lussy, White & Coolidge, hardware.....	17.60
	Pittsburgh Plate Glass Co., 1 box glass.....	7.06
	Curtis & Curtis Co., machinery.....	76.00
	Orr & Lockett, hardware.....	8.86
July 25	G. W. Clark, freight and drayage.....	1.65
	Express.....	12.80
	Mending flag.....	.75
August 1	G. W. Clark, freight and drayage.....	4.90
August 3	Superintendent's pay roll work on grounds, (3 men at \$2, 3 men at \$1.75 and 1 man at \$2.25).....	89.44
	Union Mill Co., 25 bus. oats at 50c a bushel.....	12.50
August 5	Gibson & Graham, soap, gasoline and other supplies.....	2.60
	C. A. Wise & Sons Co., paint and oils.....	3.29
August 7	Citizens Gas & Electric Co., gas and electricity.....	39.87
August 8	G. W. Clark, freight and drayage.....	10.00
August 10	Crandall Packing Co., packing.....	72.20
	Lussy, White & Coolidge, hardware.....	3.27
	Chicago House Wrecking Co., tools.....	72.50
August 12	Mrs. J. H. Cummins, laundering.....	23.70
	Townsend & Merrill Co., lumber.....	43.09
	Johnson & Wyth Co., hardware.....	13.87
August 13	Express.....	1.75
August 14	Superintendent's pay roll work on grounds and tennis court, (1 man at \$3.50 per day, 3 men at \$2 per day and 2 men at \$1.75 per day).....	71.91
August 14	G. W. Clark, freight and drayage.....	17.75
August 29	Union Mill Co., 40 bus. oats at 45c per bushel.....	18.00
August 31	Superintendent's pay roll work on grounds and tennis courts, (3 men at \$2, and 1 man at \$1.25 per day).....	78.75
September 4	Gibson & Graham, gasoline and general supplies.....	5.30
	N. C. Syndergaard hay.....	.21

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
September 5	Chicago House Wrecking Co., tools.....	13.90
	Robinson & Cary Co., band saw.....	53.65
	G. W. Clark, freight and drayage.....	39.30
September 8	Citizens Gas & Electric Co., electric lights and gas.....	22.91
September 12	G. W. Clark, freight and drayage.....	8.36
September 14	Superintendent's pay roll work on grounds and hauling coal, 1 man at \$3.50 per day and 3 men at \$2 per day.....	80.75
September 16	Pfeiffer Co., 4 lamp chimneys.....	.60
September 17	National Carbon Co., 36 brushes.....	3.63
	American Electric Telephone Co., 49 lamps.....	17.80
	Lussy, White & Coolidge, hardware.....	12.03
	Weart-Frisby Co., 50 rods 4-ft. wire fence.....	18.50
September 19	Iroquois Mfg. Co., 2 bbls. oil.....	46.06
	G. W. Clark, freight and drayage.....	11.05
September 23	Johnson & Wyth Co., foot boots and galvanized wire.....	4.85
	C. A. Wise & Sons Co., paints and oils.....	33.56
September 25	Union Mill Co., 300 lbs. chop at \$1.55 per cwt.....	4.65
September 26	Noble & Brown, curtains, desks, chairs and tables.....	234.06
	G. W. Clark, freight and drayage.....	1.75
September 28	Superintendent's pay roll work on grounds, greenhouse and unloading coal, 6 men at \$2 per day.....	60.00
October 3	Chicago House Wrecking Co., pulley.....	2.50
	Waterloo Electrical Supply Co., 1845 ft. wire.....	16.05
	Jordan Bros., motor repairs.....	6.40
	C. W. Breneman & Co., 157 yards curtain goods.....	29.83
	M. C. Lilley & Co., 2 flags.....	12.18
	G. W. Clark, freight and drayage.....	4.90
October 5	Robinson Dry Goods Co., linoleum and janitor's supplies.....	121.78
	Citizens Gas & Electric Co., electricity and gas from August 27 to Sept. 25, 1908.....	68.51
October 6	C. A. Wise & Sons Co., paints and oils.....	4.90
October 8	Henion & Hubbell, 10 lbs. smooth on.....	3.16
	Lussy, White & Coolidge, 28 hack saw blades.....	1.80
	Orr & Lockett Hardware Co., 1 saw filing guide, 2 doz files and 1 screwdriver.....	5.05
	Gibson & Graham, supplies \$4.45 in exchange for incandescent lamps.....	
October 10	G. W. Clark, freight and drayage.....	8.60
October 12	Superintendent's pay roll, work on grounds, hauling coal (6 men at \$2 per day).....	71.80
	T. B. Casey, blacksmithing.....	1.80
October 15	City of Cedar Falls, water rent for quarter ending Oct. 1, 1908, at 10c per 1,000 gallons.....	146.72
	McDonald & Morrison Mfg. Co., tools.....	1.96
	Lussy, White & Coolidge, hardware.....	4.75
	West Disinfecting Co., 10 gals. antiputrol.....	17.50
	Townsend & Merrill Co., lumber.....	30.55
October 17	Johnson & Wyth Co., hardware.....	55.06
October 19	H. Dahl, furniture.....	16.85
October 21	Curtis & Curtis Co., repairs to machine.....	6.80
	Orr & Lockett Hardware Co., hardware.....	5.80
	National Carbon Co., 12 brushes.....	3.49
	Central Electric Co., repairs.....	.84
October 22	Union Mill Co., 40 bu. oats at 46c per bushel.....	18.40
October 26	Superintendent's pay roll, work at greenhouse and unloading coal (4 men at \$2 per day).....	98.00
October 28	G. W. Clark, freight and drayage.....	9.60
	Pittsburgh Plate Glass Co., paint and glass.....	47.88
	Electric Appliance Co., 624 lamps.....	164.09
November 5	Remier & Kuhnert Co., 10 gal. alcohol.....	6.20
	Pittsburgh Plate Glass Co., 4 gal. paint.....	11.76
	C. A. Wise & Sons Co., paint.....	2.00
November 6	Gibson & Graham Co., supplies \$1.90 in exchange for incandescent lamps.....	
November 7	G. W. Clark, freight and drayage.....	11.20
November 9	Superintendent's pay roll, work on grounds, greenhouse and unloading coal, (6 men at \$2 per day).....	76.00
	Citizens Gas & Electric Co., electricity and gas from Sept. 25 to Oct. 24, 1908.....	69.49
November 13	Johnson & Wyth Hardware Co., nails, scoops and pipe hangers.....	8.60
	Townsend & Merrill Co., lumber.....	58.12

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
November 14	G. W. Clark, freight and drayage	5.30
November 17	Electric Appliance Co., repairs	4.10
November 21	G. W. Clark, freight and drayage	4.25
	Waterloo, Cedar Falls & Northern Railway Co., changing tracks	500.00
November 23	Superintendent's pay roll, work on grounds, unloading coal, (4 men at \$2 per day)	78.00
November 27	Express	41.65
	Repairs and freight	1.75
	McDonald & Morrison Co., 250 lb. bale white waste	27.00
	National Crayon Co., 100 gross crayons	19.60
	Lusky, White & Coolidge Co., hardware	11.42
November 29	G. W. Clark, freight and drayage	9.80
November 30	Jens Krogh, hay	7.48
December 3	Citizens Gas & Electric Co., gas and electricity from Oct. 24 to Nov. 25, 1908	118.08
December 5	G. W. Clark, freight and drayage	2.95
December 7	Superintendent's pay roll, work at greenhouse and hauling coal (3 men at \$2 per day)	66.00
December 8	Gibson & Graham, supplies \$4.55, less 65c allowed for incandescent lamps	3.90
December 9	Lusky, White & Coolidge Co., 1 1/2 doz. varnish brushes	7.20
	Orr & Lockett Hardware Co., hardware	25.81
	Robinson Dry Goods Co., cloth and linoleum	31.04
December 10	C. H. Tiffany, 2 dusters	1.00
	Townsend & Merrill Co., lumber	17.47
December 12	G. W. Clark, freight and drayage	4.85
	Mrs. J. H. Cummins, laundering	16.50
	Union Mill Co., 200 lbs. chop and 50 bu. oats	25.60
December 19	G. W. Clark, freight and drayage	5.45
December 21	Superintendent's pay roll, work at green house, barn and hauling coal (5 men at \$2 per day)	91.80
December 22	Lusky, White & Coolidge Co., hardware	9.08
December 23	Robinson & Cary Co., 1 band saw	2.09
	West Disinfecting Co., 1 bbl. chloro naphtholeum	53.00
	Bradner, Smith & Co., 4 cases toilet paper	21.00
	Western Electric Co., repairs	1.75
	L. Harbach's Sons Co., 1 office chair	10.00
	J. S. Latta, 1 rubber stamp outfit	1.25
1909		
January 2	G. W. Clark, freight and drayage	7.70
	Electric light fixtures for president's house	5.50
January 4	Superintendent's pay roll, work at green house and unloading coal (3 men at \$2 per day)	65.00
January 6	Orr & Lockett Hardware Co., 2 1/2 doz. padlocks	4.75
	H. Dahl, 6 rollers	2.10
	Citizens Gas & Electric Co., electricity and gas from Nov. 26 to Dec. 26	134.49
January 7	Robinson Dry Goods Co., cloth	15.55
January 8	Gibson & Graham, oil	3.90
January 9	G. W. Clark, freight and drayage	3.20
January 11	City of Cedar Falls, water rent for quarter ending Dec. 1908, at 10c per 1,000 gal.	110.47
January 13	Chicago House Wrecking Co., tools	1.00
	American Electric Telephone Co., repairs	18.30
January 14	Johnson & Wyth Co., hardware	33.68
	Townsend & Merrill Co., lumber	37.70
January 18	Superintendent's pay roll, work at green house, unloading coal and firing boiler room (3 men at \$2 per day and one man at \$2.25 per day)	82.12
	G. W. Clark, freight and drayage	4.05
January 22	P. Rasmussen, hauling	5.25
January 23	G. W. Clark, freight and drayage	1.45
January 25	Orr & Lockett Hardware Co., hammer, blow pipe, hook	3.45
January 28	Geo. Frisby, hay	32.86
January 30	G. W. Clark, freight and drayage	6.85
February 1	Superintendent's pay roll, labor green house, engine room, unloading coal and hauling cinders (5 men at \$2 per day and 1 man at \$2.25 per day)	78.97
	Hawk-Eye Compound Co., 1 bbl. boiler compound	49.82
February 5	Blodgett Clock Co., clock repairs	15.00
February 6	Citizens Gas & Electric Co., gas and electricity from Dec. 26, 1908, to Jan. 26, 1909	125.24

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
February 8	C. A. Wise & Sons Co., paint and oils	46.85
February 12	Citizens Gas & Electric Co., testing	2.00
	Geo. S. Dick, express	3.85
	G. W. Clark, freight and drayage	12.60
February 15	Superintendent's pay roll, work on grounds, greenhouse and boiler room, unloading coal (3 men at \$2 per day, 1 man at \$3 per day and one man at \$2.25 per day)	83.70
February 18	Gibson & Graham, gasoline, soap	4.05
February 19	Union Mill Co., 50 bu. oats at 46c per bu.	23.00
February 22	G. W. Clark, freight and drayage	4.75
February 23	Channell Chemical Co., 10 gal. O cedar, 1 atomizer	12.74
February 24	Lusky, White & Coolidge Co., hardware	11.74
March 2	Superintendent's pay roll, work at green house and unloading coal, 3 men at \$2 per day	70.00
	Citizens Gas and Electric Co., electricity and gas from Jan. 26 to Feb. 24, 1909	120.53
March 4	Orr & Lockett Hardware Co., hardware	60.46
	Gibson & Graham, gasoline, soap and oil	2.40
March 5	Townsend & Merrill Co., lumber	3.21
March 6	G. W. Clark, freight and drayage	2.85
March 11	Corn for campus squirrels 50c, express \$24.74	25.24
	Noble & Brown, furniture	26.05
March 12	Johnson & Wyth Co., hardware	139.79
	Townsend & Merrill Co., lumber	47.32
March 13	G. W. Clark, freight and drayage	5.40
March 15	Superintendent's pay roll, work at green house, shoveling snow, unloading coal, 3 men at \$2, per day	72.00
	American Electric Telephone Co., telephone repairs	16.00
	Valvoline Oil Co., 2 bbls. oil	49.35
March 20	G. W. Clark, freight and drayage	3.55
March 26	Orr & Lockett Hardware Co., hardware	11.00
	Central Electric Co., 3 elbows and 3 condulets	2.94
	J. I. Holcomb Mfg. Co., 3 1/2 doz. brushes	74.35
March 27	G. W. Clark, freight and drayage	.80
March 29	Superintendent's pay roll, work in green house and gymnasium and unloading coal, (3 men at \$2 per day and one man at \$3 per day)	70.50
March 30	H. E. Olbrich, vases	16.04
April 3	Orr & Lockett Hardware Co., 3 doz. bronze drawer pulls	1.80
April 5	Citizens Gas & Electric Co., electricity and gas from Feb. 24 to March 25, 1909	82.06
April 10	Gibson & Graham, supplies	.95
	H. Dahl, 19 yds. gimp	.95
	City of Cedar Falls, water rent for 1st quarter 1909 at 8c per 1,000 gal.	104.55
	Mrs. J. H. Cummins, laundering	22.45
	G. W. Clark, freight and drayage	3.45
April 12	Superintendent's pay roll, work on grounds, green house, gymnasium and unloading coal, (4 men at \$2 per day, 2 men at \$3.50, 1 man at \$2.25, 1 man at \$2.75 and 1 man at \$3 per day)	190.07
	W. D. Allen Mfg. Co., packing	19.08
	Bradner, Smith & Co., 4 cases toilet paper	21.00
April 14	Robinson Dry Goods Co., cloth	35.90
	Townsend & Merrill Co., lumber	26.95
	Chris Jensen, 2,270 lbs. of hay	12.50
April 16	Cedar Falls Broom Co., brooms	9.00
	Union Mill Co., 150 lbs. feed	1.90
April 17	G. W. Clark, freight and drayage	2.05
April 22	Thomas Meehan & Sons, trees	25.77
April 24	G. W. Clark, freight and drayage	4.85
April 26	Superintendent's pay roll, work at green house, athletic grounds and unloading coal, 4 men at \$2 per day	77.80
May 5	Robinson Dry Goods Co., cloth	15.40
	Citizens Gas & Electric Co., electricity and gas from March 25 to April 26, 1909	100.14
May 8	L. C. Paul, 6 bales hay	2.15
	G. W. Clark, freight and drayage	3.80
May 10	Superintendent's pay roll, work green house, grounds, unloading coal, 3 men at \$2 per day and 2 men at \$2.25	90.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
May 10...	Gibson & Graham, supplies.....	1.75
May 12...	Townsend & Merrill Co., lumber.....	115.41
May 14...	Johnson & Wyth Co., hardware.....	63.49
May 18...	G. W. Clark, freight and drayage.....	5.48
May 19...	Andrew Sorenson, settlement of claim for injuries.....	100.00
May 20...	Orr & Lockett Hardware Co., hardware.....	18.82
May 22...	G. W. Clark, freight and drayage.....	30.00
May 24...	Superintendent's pay roll, work on grounds and green-house and hauling coal (5 men at \$2 per day and 1 man at \$3.50).....	84.25
	H. L. Chase & Co., silverware.....	266.25
	Union Mill Co., 50 bu. oats at 55c per bu.....	27.50
May 28...	C. A. Wise & Sons Co., paints.....	19.75
May 29...	C. Jensen, 2,210 lbs hay.....	12.15
June 3...	Pittsburgh Plate Glass Co., 5 gal. floor spar.....	10.00
June 5...	G. W. Clark, freight and drayage.....	16.75
June 7...	Superintendent's pay roll, labor on grounds, (4 men at \$2 per day, 2 men at \$2.25 and 1 man at \$3.50).....	92.00
June 9...	Citizens Gas & Electric Co., gas and electricity from April 26 to May 26, 1909.....	88.70
June 10...	Mrs. J. H. Cummins, laundering.....	18.60
June 11...	Gibson & Graham, supplies.....	8.80
June 12...	Lusky, White and Coolidge Co., glue.....	9.80
June 12...	Robinson Dry Goods Co., 1 bolt netting.....	.50
June 17...	G. W. Clark, freight and drayage.....	2.55
June 17...	C. W. Breneman & Co., 60 yds. curtain goods.....	13.20
June 19...	Orr & Lockett Hardware Co., 14 brackets.....	8.02
June 19...	G. W. Clark, freight and drayage.....	9.15
June 21...	Superintendent's pay roll, work on grounds, (2 men at \$2 per day, 1 man at \$2.25 per day).....	67.00
June 22...	Citizens Gas & Electric Co., 1 hot plate.....	4.00
June 22...	H. Dahl, excelsior.....	.35
June 23...	Wm. Laurence, grass seed for grounds.....	8.45
June 23...	Gibson & Graham, dishes.....	261.92
June 23...	Johnson & Wyth Co., hardware.....	12.45
June 23...	Townsend & Merrill, lumber.....	63.09
June 23...	Robinson Dry Goods Co., cloth.....	7.55
June 24...	Wm. Laurence, grass seed for grounds.....	7.50
June 25...	S. B. Tobey, 1 drinking fountain.....	8.50
June 25...	Johnson & Wyth Co., hardware.....	12.64
June 26...	G. W. Clark, freight and drayage.....	5.75
June 28...	Express, repairs and soap.....	36.25
June 28...	Pittsburgh Plate Glass Co., glass.....	10.50
June 29...	H. L. Chase & Co., silver.....	2.97
June 29...	L. O. Robinson, expenses purchasing furniture.....	27.50
	Total.....	\$ 8,905.80
July 6...	Superintendent's pay roll, labor on grounds, 1 man at \$2.25 and 2 men at \$2.00 per day.....	72.75
July 7...	Citizens' Gas & Electric Co., gas and electricity from May 26 to June 26.....	62.39
July 17...	G. W. Clark, freight and drayage.....	5.10
July 19...	Superintendent's pay roll, 4 men at \$2.00 per day, 3 men at \$2.25 per day, 1 man at \$3.50 per day, work on grounds and tennis courts.....	121.80
July 23...	Lusky, White & Coolidge, hardware.....	7.95
July 23...	Chicago House Wrecking Co., tools.....	3.74
July 24...	C. A. Wise & Sons Co., supplies.....	34.35
July 28...	City of Cedar Falls, water rent for April, May and June at 8 cents per 1,000 gallons.....	174.60
July 28...	Union Mill Co., 30 bushels of oats at 55 cents.....	16.50
July 31...	G. W. Clark, freight and drayage.....	5.50
July 31...	G. W. Clark, freight and drayage.....	.95
August 7...	Citizens' Gas & Electric Co., gas and electricity from June 26 to July 23.....	81.75
August 9...	Superintendent's pay roll, labor on grounds, tennis courts and barn, 4 men at \$2.00 per day and 2 men at \$2.25 per day.....	181.15
	Smooth-On Mfg. Co., 40 lbs. cement.....	7.00
	Cedar Falls Water Works, 1 meter.....	21.80
	Garlock Packing Co., packing.....	10.20
	International Trading Co., packing.....	32.20
	Mrs. J. H. Cummins, laundering.....	10.48

Date	To Whom Paid and For What Purpose	Amount
1909		
August 10...	Gibson & Graham Co., supplies.....	8.90
August 11...	G. W. Clark, freight and drayage.....	8.70
August 13...	Townsend & Merrill, lumber.....	128.44
August 13...	Johnson & Wyth Co., hardware.....	4.75
August 30...	Superintendent's pay roll, labor on grounds, 2 men at \$2.00 per day and 1 man at \$2.25 per day.....	109.12
September 2...	G. W. Clark, freight and drayage.....	18.05
September 4...	National Crayon Co., crayon.....	20.00
September 4...	Central Electric Co., supplies.....	2.25
September 4...	Gibson & Graham Co., supplies.....	1.85
September 4...	J. C. Radell, 1 grass edger.....	7.50
September 9...	Citizens' Gas & Electric Co., gas and electricity from July 23 to August 24.....	24.60
September 13...	Superintendent's pay roll, labor on grounds and hauling coal, 3 men at \$2 per day and 1 man at \$2.25 per day.....	75.00
September 14...	G. W. Clark, freight and drayage.....	.80
September 16...	Dean Electric Co., telephones.....	44.10
September 16...	C. W. Breneman & Co., curtains.....	69.38
September 23...	Pittsburgh Plate Glass Co., supplies.....	9.19
September 23...	G. W. Clark, freight and drayage.....	6.30
September 23...	Union Mill Co., 50 bushels of oats at 41 cents per bushel.....	20.50
September 25...	Johnson & Wyth Co., hardware.....	11.50
September 25...	H. Dahl, moulding and cord.....	11.00
September 27...	Superintendent's pay roll, labor on grounds, hauling coal, 3 men at \$2.00 and 1 man at \$2.25 per day.....	72.00
September 27...	Robinson Dry Goods Co., Dean of Women, supplies.....	5.00
September 27...	W. D. Allen Mfg. Co., packing.....	2.50
October 6...	Citizens' Gas & Electric Co., gas and electricity from August 24 to September 23.....	43.04
October 6...	G. W. Clark, freight and drayage.....	7.10
October 11...	Superintendent's pay roll, labor on athletic grounds, hauling coal, 3 men at \$3.00 per day, 4 men at \$2.00 per day, 1 man at \$4.25 per day and 1 man at \$2.25 per day.....	101.50
October 13...	Gibson & Graham Co., supplies.....	3.40
October 13...	Robinson Dry Goods Co., cloth and rug.....	40.00
October 13...	C. A. Wise & Sons Co., supplies.....	13.60
October 13...	Johnson & Wyth Co., hardware.....	7.53
October 20...	City of Cedar Falls, water rent for July, August and September at 8 cents per 1,000 gallons.....	107.65
October 20...	Crandall Packing Co., supplies.....	81.30
October 20...	Pittsburgh Plate Glass Co., paint.....	11.08
October 26...	Superintendent's pay roll, labor hauling coal and work on greenhouse, 3 men at \$2.00 per day and 1 man at \$2.25 per day.....	75.00
November 6...	Citizens Gas & Electric Co., gas and electricity from September 23 to October 23.....	80.13
November 8...	Superintendent's pay roll, labor on grounds and hauling coal, 5 men at \$2.00 per day and 4 men at \$2.25, 1 man at \$3.50.....	140.65
November 12...	G. W. Clark, freight and drayage.....	8.90
November 12...	Gibson & Graham Co., supplies.....	2.40
November 12...	A. James, hay.....	16.65
November 12...	Johnson & Wyth Co., hardware.....	42.65
November 12...	J. Bancroft & Son, bulbs.....	9.00
November 13...	Crown Belt Food Co., 15 lbs. food.....	5.25
November 13...	Sterling Electrical Mfg. Co., lamps.....	77.27
November 13...	Orr & Lockett Co., door checks.....	11.55
November 18...	Express and supplies.....	64.34
November 22...	Superintendent's pay roll, labor unloading coal, 2 men at \$2.00 per day and 1 man at \$2.25 per day.....	75.00
December 6...	Superintendent's pay roll, labor at greenhouse and unloading coal, 2 men at \$2.00 per day and 1 man at \$2.25 per day.....	72.75
December 7...	Citizens Gas and Electric Co., gas and electricity from October 26 to November 24.....	201.47
December 9...	Lusky, White & Coolidge, hardware.....	6.07
December 14...	Townsend & Merrill Co., lumber.....	107.60
December 14...	Union Mill Co., 30 bushels of oats at 38 cents a bushel.....	11.40
December 14...	Gibson & Graham, supplies.....	.75
December 14...	G. W. Clark, freight and drayage.....	14.80
December 14...	Mrs. J. H. Cummins, laundering.....	28.35
December 14...	J. C. Igen, hay.....	6.11
December 14...	Johnson & Wyth Co., supplies.....	4.00
December 14...	Robinson Dry Goods Co., supplies.....	89.25

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
December 15	Orr & Lockett Hardware Co., hardware.....	12.78
	Bradner Smith & Co., 4 cases toilet paper.....	21.00
	Valvoline Oil Co., 2 bbls. oil.....	51.98
December 20	Superintendent's pay roll, labor at greenhouse and unloading coal, 2 men at \$2.00 a day and 2 men at \$2.25 per day.....	94.24
1910		
January 1	Superintendent's pay roll, labor greenhouse and walks, 2 men at \$2.00 a day and 2 men at \$2.25 a day.....	92.01
January 3	W. D. Allen Mfg. Co., packing.....	6.77
	Hawk-Eye Compound Co., boiler compound.....	49.26
January 5	Citizen's Gas & Electric Co., electricity and gas.....	134.50
January 14	Lussky, White & Coolidge, hardware.....	.70
	Curtis & Curtis Co., machine repairs.....	32.00
	Newman Clock Co., dials.....	6.15
	Robinson Dry Goods Co., supplies.....	14.65
	Gibson & Graham, supplies.....	4.45
	G. W. Clark, freight and drayage.....	9.55
	Union Mill Co., 50 bushels oats.....	21.00
	Cedar Falls Water Works, rent.....	74.50
January 17	C. A. Wise & Sons Co., supplies.....	18.73
	Superintendent's pay roll, labor at greenhouse and hauling coal, 2 men at \$2.00 a day and 3 men at \$2.25.....	105.71
January 22	Noah Wiler, Sunday work.....	11.60
January 31	Superintendent's pay roll, labor at greenhouse and unloading coal.....	121.91
February 8	Citizen's Gas & Electric Co., electricity and gas.....	137.15
February 11	Imperial Brush Co., brushes.....	49.70
	Garlock Packing Co., packing.....	11.22
	L. Wolf Mfg. Co., valves.....	.76
	Kretschmer Mfg. Co., fountains.....	95.30
	Whitcomb & Boyce, curtain fixtures.....	2.37
	H. M. Hooker Co., paint.....	3.50
February 12	H. L. Chase & Co., supplies.....	.50
	Noble & Brown, furnishings.....	37.40
	Johnson & Wyth Co., hardware.....	15.86
	Welsbard Bros., hay.....	13.95
	G. W. Clark, freight and drayage.....	10.90
	H. Dahl, supplies.....	6.17
	Gibson & Graham, supplies.....	1.55
February 14	Superintendent's pay roll, labor at greenhouse and unloading coal.....	115.05
February 26	G. B. Strayer, flue cleaner.....	9.75
February 28	Superintendent's pay roll, labor at greenhouse, unloading coal and janitor work.....	141.71
March 2	Anchor Packing Co., packing.....	7.35
	Robertson Soap Co., sanitary fluid.....	12.25
March 5	Citizen's Gas & Electric Co., electricity and gas.....	132.13
March 11	Express.....	29.93
March 12	Central Electric Co., supplies.....	3.98
	Cutler Hammer Mfg. Co., rheostat.....	21.00
	Nels P. Jensen, repair machine.....	1.75
	Bradner Smith & Co., paper.....	21.00
	Citizen's Gas & Electric Co., supplies.....	22.10
March 14	Superintendent's pay roll, labor at greenhouse, janitor work and unloading coal.....	76.35
	Union Mill Co., horse feed.....	15.50
	Arthur Walton, labor in engine room.....	2.00
	G. W. Clark, freight and drayage.....	2.60
	Gibson & Graham, supplies.....	3.00
	Johnson & Wyth Co., supplies.....	54.68
	H. Dahl, furnishings.....	6.00
March 25	Lussky, White & Coolidge, hardware.....	5.13
March 29	Superintendent's pay roll, labor at greenhouse and unloading coal, 2 men at \$2.00 a day and 1 man at \$2.25.....	75.00
April 1	Pittsburgh Plate Glass Co., paint.....	7.29
	H. Mueller Mfg. Co., fittings.....	7.41
April 5	Citizen's Gas & Electric Co., electricity and gas.....	104.33
April 6	Kretschmer Mfg. Co., pipe.....	24.76
April 11	Superintendent's pay roll, unloading coal and hauling cinders, labor at greenhouse and athletic grounds.....	87.53
April 13	Lussky, White & Coolidge, hardware.....	11.53

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
April 14	Electric Appliance Co., lamps.....	8.10
	India Alkali Works, savogran.....	15.10
	T. B. Casey, blacksmithing.....	4.63
	Mrs. J. H. Cummins, laundering.....	24.15
	Robinson Dry Goods Co., supplies.....	21.25
	Water Department, rent.....	189.72
	R. E. Brush, hay.....	26.55
	G. W. Clark, freight and drayage.....	13.35
	Townsend & Merrill Co., lumber.....	54.96
	Welsbard Bros., hay.....	14.25
	Townsend & Merrill Co., lumber.....	58.29
	Johnson & Wyth Co., hardware.....	5.85
April 20	Standard Oil Co., oil.....	44.52
April 25	Superintendent's pay roll, labor at greenhouse, unloading coal, and on grounds—2 men at \$2.00 a day, 1 man at \$2.25 a day.....	75.00
April 26	Lussky, White & Coolidge, hardware.....	5.52
May 4	Citizen's Gas & Electric Co., electricity and gas.....	96.63
May 9	Superintendent's pay roll, labor unloading coal, at greenhouse and athletic grounds—2 men at \$2.00 a day, 1 man at \$2.25, 1 at \$3.50 a day.....	76.75
	W. D. Allen Mfg. Co., hose.....	14.08
May 12	Pittsburgh Plate Glass Co., turpentine.....	8.17
	Orr & Lockett Hardware Co., hardware.....	11.21
	Curtis & Curtis Co., machine repairs.....	11.67
	Waterloo Electrical Supply Co., wire.....	11.33
May 18	Townsend & Merrill Co., lumber.....	124.65
	Mrs. J. H. Cummins, laundering.....	13.73
	Union Mill Co., 40 bushels oats.....	17.00
	Gibson & Graham, supplies.....	14.75
	C. A. Wise & Sons Co., supplies.....	14.30
	Johnson & Wyth Co., supplies.....	9.93
	L. C. Paul, hay.....	2.00
	G. W. Clark, freight and drayage.....	39.15
May 17	Lussky, White & Coolidge, hardware.....	27.06
May 22	Superintendent's pay roll, labor at grounds and greenhouse, hauling coal, etc., 2 men at \$2.00 a day and 1 man at \$2.25 a day.....	75.00
June 6	Superintendent's pay roll, labor at grounds and hauling coal, 2 men at \$2.00 a day and 1 man at \$2.25.....	75.00
June 7	Citizen's Gas & Electric Co., electricity and gas.....	97.52
June 15	Orr & Lockett Hardware Co., hardware.....	.18
	Pittsburgh Plate Glass Co., glass.....	4.50
June 16	R. E. Brush, hay.....	11.97
	G. W. Clark, freight and drayage.....	35.45
	Mrs. J. H. Cummins, laundering.....	15.00
	Johnson & Wyth Co., supplies.....	29.91
	Gibson & Graham, supplies.....	4.53
	Robinson Dry Goods Co., supplies.....	45.30
	C. A. Wise & Sons Co., supplies.....	1.50
June 17	Superintendent's pay roll, labor hauling coal and on grounds, 2 men at \$2.00 a day and 1 man at \$2.25.....	75.00
		\$ 6,680.26
	Total for two years.....	\$ 15,504.55

Miscellaneous Expenses of the College not Due to any Special Department.

1908		
July 1	S. D. Page & Co., examination paper.....	17.55
July 6	C. A. Fullerton, expense securing music teacher.....	11.75
	Mrs. L. C. Kingman, conducting examination.....	8.00
	Lenore Shanewise, conducting examination.....	4.00
September 5	Danish Book Concern, binding hymnals.....	43.28
	Southwestern State Normal, 250 hymnals.....	62.50
September 7	Normal Eye Publishing Co., 19 subscriptions to Normal Eye.....	19.00
September 16	Pfeiffer Co., ink.....	21.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
September 17...	M. O. Chamberlain, 50 record books.....	17.54
October 6...	C. A. Wise & Sons Co., dictionaries and paste.....	28.08
October 24...	H. H. Seerley, expenses attending Teachers' Association.....	81.11
October 26...	D. S. Wright, expenses attending Alumni meeting at Des Moines.....	7.05
October 30...	Lucy Plummer, conducting county examination.....	12.00
November 2...	Dictionaries.....	17.50
November 27...	Irma Keene, correcting examination papers.....	3.00
	Dean of Women, carriage.....	2.00
1909		
January 2...	H. H. Seerley, expenses attending Teachers' Associations.....	13.75
January 5...	Expenses Des Moines headquarters at the State Teachers' Association.....	25.20
February 5...	W. S. Thurber, picture Lincoln.....	10.00
February 15...	Lucy Plummer, conducting examination.....	12.00
March 23...	Mrs. C. S. Cory, assistant in conducting examination.....	8.00
March 30...	H. H. Seerley, expenses Teachers' Association.....	28.55
	Lillian G. Goodwin, expenses at investigation meeting of General Assembly.....	6.80
May 5...	H. H. Seerley, expense securing teachers.....	66.70
May 19...	H. L. Chase & Co., name plate.....	.90
May 19...	L. W. Parish, expenses attending Teachers' Association.....	6.40
May 28...	C. A. Wise & Sons Co., paste.....	1.35
June 16...	Expenses of committee purchasing furniture for president's residence.....	75.00
June 17...	Funk & Wagnalls Co., 6 dictionaries.....	55.50
June 23...	S. A. Lynch, expenses securing teacher.....	21.65
June 23...	W. H. Bender, expenses securing teacher.....	21.50
	May festival deficit.....	207.15
June 24...	Lenore Shanewise, conducting reading examination.....	3.50
June 24...	Bird Handy, conducting reading examination.....	2.50
June 25...	Pfeiffer Co., 1 dozen quarts ink.....	7.20
June 25...	Western Banknote & Engraving Co., letter heads and envelopes.....	200.00
	Lucy B. Plummer, conducting county examination.....	12.00
June 28...	Mrs. C. S. Cory, conducting county examination.....	12.00
	Supplies.....	10.00
	W. L. Veatch, pictures.....	40.00
		\$ 1,286.13

Department of Chemistry, 1908-1909.

1908		
July 1...	J. T. Baker Chemical Co., list of chemicals.....	12.72
	Hoff Chemical Co., 8 packages filters.....	5.58
	E. H. Sargent & Co., list of chemicals.....	21.97
August 10...	Enterprise Mfg. Co., grinder.....	1.50
September 8...	Elmer & Amend, supplies.....	150.66
September 17...	J. T. Baker Chemical Co., acid.....	12.80
October 6...	E. F. Gerken & Co., 2 pans.....	1.00
October 28...	E. H. Sargent & Co., 515 grams plat. wire.....	3.84
November 6...	C. A. Wise & Sons Co., drugs.....	3.75
November 6...	Gibson & Graham Co., six 3 gallon jars.....	1.80
December 9...	Robinson Dry Goods Co., cloth.....	3.15
1909		
January 6...	E. H. Sargent & Co., list of chemicals.....	60.52
January 7...	Robinson Dry Goods Co., cloth.....	3.30
January 25...	H. Sargent Co., 2 drams glyceogen.....	2.24
February 8...	C. A. Wise & Sons Co., drugs.....	3.25
February 18...	Gibson & Graham Co., supplies.....	.25
March 4...	Supplies for laboratory.....	.28
March 11...	Johnson & Wyth Co., hardware.....	.28
March 26...	J. T. Baker Chemical Co., chemicals.....	46.82

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
April 12...	E. H. Sargent & Co., list of chemicals.....	101.14
April 14...	Robinson Dry Goods Co., cloth.....	3.21
May 14...	Johnson & Wyth Co., hardware.....	4.40
June 2...	A. C. Page, supplies.....	11.20
June 17...	E. H. Sargent & Co., chemical supplies.....	4.70
		\$ 458.93

Department of Home Economics, 1908-09.

1908		
July 25...	Ice.....	\$.60
September 23...	C. M. With & Co., 28 trays.....	4.33
October 6...	C. A. Wise & Sons Co., drugs.....	.15
October 8...	Gibson & Graham Co., groceries.....	27.14
October 15...	Manson Campbell Co., fireless cooker.....	8.05
October 17...	Johnson & Wyth Co., cooking utensils.....	1.10
October 21...	The Fair, cooking utensils.....	1.27
November 6...	Gibson & Graham Co., groceries.....	12.34
November 27...	Supplies.....	23.11
December 4...	W. H. Jefferson, bread.....	1.40
December 8...	E. F. Gerken & Co., tub and rope.....	.70
	Gibson & Graham, groceries.....	15.93
1909		
January 7...	Robinson Dry Goods Co., cloth.....	.18
January 8...	C. M. Jennings, meat.....	4.33
	Gibson & Graham, groceries.....	11.21
January 14...	Johnson & Wyth Co., cooking utensils.....	1.80
February 18...	Gibson & Graham, groceries.....	15.73
March 3...	C. M. Jennings, meat.....	1.07
March 4...	Gibson & Graham, groceries.....	15.61
March 11...	Maid and supplies.....	45.20
March 12...	Johnson & Wyth Co., hardware.....	.20
March 26...	Citizens' Gas & Electric Co., gas plates.....	5.00
April 10...	Gibson & Graham, groceries.....	18.50
	W. H. Jefferson, bread.....	10.00
April 14...	Robinson Dry Goods Co., cloth.....	.14
May 10...	Gibson & Graham Co., groceries.....	14.81
May 14...	Johnson & Wyth Co., hardware.....	1.50
May 28...	C. A. Wise & Sons Co., drugs.....	.80
June 10...	C. M. Jennings, meat.....	5.22
	W. H. Jefferson, bread.....	16.30
	Gibson & Graham Co., groceries.....	14.79
June 28...	Maids and supplies.....	31.30
		\$ 805.29

Department of Manual Arts, 1908-09.

1908		
July 1...	Orr & Lockett Hardware Co., 12 door holders.....	\$ 1.25
July 23...	A. H. Abbott & Co., 50 yards blue print paper.....	2.25
July 25...	1 eyelet machine.....	1.50
August 5...	C. A. Wise & Sons Co., oil, wax and brushes.....	12.45
August 13...	Central Electric Co., 1 electric glue pot.....	12.00
September 22...	Orr & Lockett Hardware Co., hardware.....	16.30
October 3...	Orr & Lockett Hardware Co., copper and brass.....	57.79
October 5...	Robinson Dry Goods Co., cloth.....	2.43
October 17...	Johnson & Wyth Co., hardware.....	16.30
November 5...	C. A. Wise & Sons Co., supplies.....	3.75
December 9...	Snow & Kimball, 11 dress systems.....	33.00
	Orr & Lockett Hardware Co., hardware.....	15.20

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
January 14	Townsend & Merrill Co., lumber	4.16
February 5	C. H. Besley & Co., 2 lbs, solder, 2 tongs, 1 gross brass ferrules	1.86
March 5	Townsend & Merrill Co., lumber	4.16
March 11	Supplies	1.20
March 12	Johnson & Wyth Co., hardware	3.21
	Townsend & Merrill Co., lumber	1.71
March 15	Orr & Lockett Hardware Co., 1 saw blade	1.27
April 12	Keuffel & Esser Co., 1 roll blue print paper	6.40
April 22	Orr & Lockett Hardware Co., 2 gross saw blades	2.04
May 5	W. L. Veatch, pictures	11.10
May 12	Townsend & Merrill Co., lumber	23.97
May 28	C. A. Wise & Sons Co., drugs	4.50
June 17	C. H. Besley & Co., 3 sheets copper	19.75
	Keuffel & Esser Co., 1 1/2 reams paper	12.26
	National Carbon Co., 25 brushes	2.07
June 23	Townsend & Merrill Co., lumber	23.43
June 28	Supplies	.50
		\$ 321.54

Department of Music, 1908-09.

July 7	Anna G. Childs, piano rent for fall, winter and spring terms, 1907-08	\$ 27.00
September 5	Aeolian Co., 1 pianola	300.00
	Guest Piano Co., 1 Chickering piano	410.93
September 11	M. J. Hurdle, Tuning 19 pianos	47.50
September 16	Danish Book Concern, binding 11 music books	5.50
October 6	Piano rent due literary societies for summer term 1908	22.50
October 8	Aeolian Co., music	79.50
October 19	Piano rent paid literary societies for fall term 1908	45.00
1909		
January 13	M. J. Hurdle, tuning and repairing 21 pianos	52.50
March 3	Piano rent paid literary societies for winter term 1908-09	45.00
March 26	Silver, Burdett & Co., 40 copies Beacon series	1.14
	Ginn & Co., 20 copies coda	1.15
	P. C. Hayden, music	1.84
May 22	M. J. Hurdle, tuning 21 pianos	52.50
May 27	Piano rent paid literary societies for spring term 1909	45.00
June 17	C. F. Summy Co., music	.70
June 22	J. H. Gray, 3 staff liners	.90
June 28	Lyon & Healy, pianola music	6.75
		\$ 1,145.41

Department of Natural Science, 1908-09.

1908		
July 9	Gibson & Graham, seeds	\$.50
July 15	H. B. Carroll, bone for museum	14.00
July 21	Jesse Walters, salary from June 20th to July 20th as taxidermist	50.00
September 5	C. S. Brimley, specimens	5.00
September 7	Jesse Walters, salary from July 20 to August 20, 1908, as taxidermist	50.00
September 17	C. S. Brimley, 48 anasa	1.10
	V. S. Powers, specimens	2.00
October 8	Bausch & Lomb Optical Co., 300 slides	2.03
October 21	Library Bureau, 2,000 cards	2.55
November 5	C. A. Wise & Sons Co., drugs	.80
November 17	C. S. Brimley, specimens	2.18
November 27	Supplies	.15

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
December 9	Philadelphia Museum, one special school collection	25.00
	Plant Study Co., plants	2.84
	E. J. Cable, expenses on trip to collect specimens	4.65
December 14	Devoe & Reynolds Co., celluloid	2.80
December 22	Armour & Co., one exhibit of by-products	10.00
1909		
January 13	Plant Study Co., plants	.80
	J. O. Thelmer, 1 red fox, 7 snow buntings	5.00
	Henry J. Green, 1 tube for sling psychrometer	2.00
February 5	Cross & Co., binders	1.20
February 8	Dennison Mfg. Co., labels	.35
February 18	Supplies	.85
March 11	Lager & Hurrell, plants	7.00
March 26	C. E. Riker, 2 swan for museum	10.00
March 30	Library Bureau, white cards	2.40
April 3	H. P. Kelsey, plants	3.84
April 12	H. B. Rosenkrans, one wolf cub	2.00
May 6	Library of American Museum of Natural History, pamphlets	5.25
	W. C. Schlaberg, 3 wolf cubs	6.00
May 27	Mrs. Mabel Wilkinson, specimens	10.00
	G. W. Walters, material	10.12
June 17	A. T. Thompson, 100 cored carbons	4.00
	Bausch & Lomb Optical Co., biological supplies	19.90
	Henry A. Dreer, plants	15.25
June 28	Supplies	3.25
		\$ 234.01

Department of Physical Education, 1908-09.

1908		
July 2	Geo. C. Frisby, work on golf links	\$ 13.60
July 13	S. A. Bates, work on golf links	14.80
July 23	Mrs. T. Reese, work in gymnasium	12.10
August 5	C. A. Wise & Sons Co., athletic equipment	36.55
September 14	A. G. Spalding & Bros., athletic equipment	11.75
September 17	W. W. Gist, work on golf links	5.00
September 25	Geo. E. Sheerer, wire and nails for golf links	1.44
October 1	C. A. Rownd, second half-year's rent, golf links	50.00
October 3	Narragansett Machine Co., 6 mouth-pieces for spirometer	.43
		4.40
October 6	C. A. Wise & Sons Co., two footballs	3.20
October 12	Townsend & Merrill Co., posts for golf links	1.20
October 13	S. L. Crum, work on golf links	30.00
October 15	A. G. Spalding & Bros., balls	2.55
October 21	Library Bureau, white cards	21.50
November 5	C. A. Wise & Sons Co., balls and supplies	4.36
November 27	Snowdust and robes	2.04
	Weart-Frisby Lumber Co., lumber for golf links	5.75
	Cross & Co., 1 hockey ball and 1 foot ball	8.90
December 5	Virden Bates, work on golf links	23.60
December 9	A. G. Spalding, 4 1/2 dozen hand balls	.50
December 14	E. F. Gerken, labor on golf lawn mower	.42
1909		
January 25	A. G. Spalding, drill balls	3.98
March 11	Work on golf links	24.00
March 26	Narragansett Machine Co., 1 jump stand	2.00
	Library Bureau, cards	5.00
	A. G. Spalding & Bros., 1 football	15.00
April 8	Cross & Co., 12 base balls	12.00
April 24	S. A. Bates, work on golf links	2.20
May 5	W. L. Veatch, pictures	.80
May 10	Gibson & Graham, flour	8.42
May 14	Weart & Frisby Lumber Co., posts for golf grounds	50.00
June 1	C. A. Rownd, first half-year's rent golf links, year 1909	1.50
June 2	Cecil Gist, mowing golf links	2.25
June 27	Johnson & Wyth Co., hardware	

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
June 21	Cross & Co., 12 baseballs, 12 tennis balls.....	19.00
June 28	Drayage on sawdust.....	.40
		\$ 400.64

Department of Physics, 1908-09.

July 1908			
July 1	Wm. Gaertner & Co., supplies.....	46.45	
	Central Scientific Co., apparatus.....	22.26	
July 25	Ice.....	1.50	
September 22	Electric Storage Battery Co., supplies.....	.32	
October 8	Gibson & Graham Co., tumblers.....	.30	
October 28	Orr & Lockett Hardware Co., hardware.....	31.73	
November 5	Central Scientific Co., laboratory supplies.....	8.83	
November 13	C. A. Wise & Sons Co., laboratory supplies.....	.10	
	Johnson & Wyth Co., hardware.....	1.85	
November 17	Orr & Lockett Co., grindstone.....	4.05	
	Central Scientific Co., 4 Vernier calipers.....	7.20	
	Supplies.....	1.10	
November 27	Central Scientific Co., supplies.....	7.90	
December 9	Central Scientific Co., 24 dividers.....	3.90	
1909			
February 8	C. A. Wise & Sons Co., drugs.....	.10	
March 11	Supplies.....	2.50	
March 12	Johnson & Wyth Co., hardware.....	1.60	
March 26	Central Scientific Co., apparatus.....	20.31	
April 3	Western Electrical Instrument Co., 1 voltmeter, 1 ammeter.....	119.00	
April 10	Gibson & Graham Co., supplies.....	.65	
May 10	Gibson & Graham Co., supplies.....	.37	
June 25	Leeds & Northrup Co., 1 induction coil.....	5.65	
		\$ 289.47	

Department of Training in Teaching, 1908-09.

July 1908			
July 1	C. A. McKee, decorations.....	4.25	
	Thomas Charles Co., kindergarten supplies.....	13.52	
	H. Dahl, furniture.....	.50	
July 6	Noble & Brown, furniture.....	13.50	
July 8	Cedar Falls Drug Co., decorations.....	6.25	
July 9	Gibson & Graham Co., kindergarten supplies.....	.15	
July 10	J. W. Jarnagin, 300 programs.....	1.50	
July 23	James Black Dry Goods Co., curtains for stage.....	13.13	
July 24	C. A. McKee, 20 yards cambric and 2 papers of pins.....	1.50	
September 17	Prang Educational Co., 170 sheets paper, 36 boxes charcoal.....	2.72	
	Bradner Smith & Co., 50 sheets paper.....	.90	
	A. C. McClurg & Co., books.....	45.54	
	Thomas Charles Co., kindergarten and primary supplies.....	23.06	
September 22	Ginn & Co., 36 copies Civil Government.....	14.40	
September 23	C. M. Wyth, kindergarten supplies.....	1.83	
October 8	Geo. A. Mullin & Co., report books.....	5.00	
	American Book Co., 4 copies History & Civil Government and 9 copies Advanced Grammar & Composition.....	8.60	
	Thomas Charles Co., 1 copy song book.....	1.50	
October 6	C. A. Wise & Sons Co., paste.....	2.70	
October 8	Thomas Charles Co., 14 boxes paints.....	4.48	
	Ginn & Co., 24 copies readers.....	7.63	
October 15	Ginn & Co., list of books.....	34.85	
October 21	Atkinson, Mentzer & Grover, 12 drawing books.....	.96	
November 5	A. C. McClurg & Co., list of books.....	90.35	
	C. A. Wise & Sons Co., 38 corks.....	.10	

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
November 17	Rand, McNally & Co., list of books.....	23.53
November 25	A. C. McClurg & Co., list of books.....	35.08
	Silver, Burdett & Co., 25 copies Beacon series.....	1.20
	Thomas Charles Co., kindergarten supplies.....	12.93
November 27	Kindergarten and Primary supplies.....	6.61
December 9	A. C. McClurg, one copy timely songs and games.....	.57
	Rand, McNally & Co., 24 copies Tree Dwellers.....	5.64
	Robinson Dry Goods Co., cloth.....	4.01
December 23	Goodyear Marshall Publishing Co., 4 copies 60 lesson texts.....	2.61
	M. O. Chamberlain, 2 registers.....	.92
1909		
January 4	A. C. McClurg & Co., list of books.....	16.45
January 7	I. Bancroft & Son, 1 tree.....	1.00
January 14	Johnson & Wyth Co., 18 pairs scissors.....	6.84
February 5	Thomas Charles Co., kindergarten supplies.....	27.95
February 8	C. A. Wise & Sons Co., drugs.....	4.99
February 18	National Clay Supply Co., 1 keg clay.....	2.50
February 24	Davis Press Co., subscription to School Arts Book from April, 1909 to March, 1910.....	1.50
March 11	Primary and Kindergarten supplies.....	7.57
March 12	Johnson & Wyth Co., hardware.....	1.40
March 15	Orr & Lockett Hardware Co., knives.....	1.21
March 26	Thomas Charles Co., list of books.....	20.18
	University of Chicago Press, magazines.....	.54
	A. C. McClurg & Co., list of books.....	18.78
	D. S. Lake, 3 trees.....	1.50
	Orr & Lockett Hardware Co., knives.....	2.00
April 3	Thomas Charles Co., 1 copy message of Froebel.....	.40
April 14	Robinson Dry Goods Co., kindergarten supplies.....	.90
April 22	A. C. McClurg & Co., 15 copies "She Stoops to Conquer".....	1.79
May 6	Thomas Charles Co., kindergarten material.....	29.24
	Bradner, Smith & Co., paper.....	6.89
May 10	Gibson & Graham Co., 500 sacks, pins.....	1.55
May 24	Cross & Co., 3 packages paper.....	.45
May 26	J. Bancroft & Son, 1 plant.....	.75
May 28	C. M. Wyth, goldfish.....	1.00
	C. A. Wise & Sons Co., drugs.....	10.83
June 2	Florence E. Ward, 1 copy Mother Play, 1 copy Sense games, 1 copy song games.....	2.80
June 23	Robinson Dry Goods Co., cloth.....	.15
June 25	Scott, Foresman & Co., 1 copy Quant, Reading, 1 copy Metrical Licenses.....	.68
	American Seating Co., desks.....	225.90
	Houghton, Mifflin Co., list of books.....	4.32
	American Book Co., list of books.....	2.78
	Henry Holt & Co., list of books.....	5.46
	Macmillan Co., list of books.....	17.90
	Silver Burdett & Co., list of books.....	4.47
June 28	Kindergarten material.....	6.63
		\$ 834.13

CONTINGENT FUND.

1908			
July 1	Professional department, 1908-1909—		
July 13	Bancroft & Sons, flower pots.....		.60
July 25	J. S. Latta, scissors.....		1.75
	Pfeiffer Co., tissue paper.....		.55
1909			
May 20	C. H. Stoelting Co., lantern slides, apparatus.....		100.10
June 17	Educational Publishing Co., supplies.....		10.85
1908			
July 1	Department of Elocution and Public Speaking, 1908-1909—		
July 1	Bancroft & Son, palms for play.....		5.00
October 5	Robinson Dry Goods Co., screen.....		2.00
1909			
June 25	Johnson & Wyth Co., hardware for play.....		1.55

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908	Library, 1908-1909—	
October 8	Gfoson & Graham, thread.....	.10
October 22	C. A. Wise & Sons Co., ink and erasers.....	4.40
1909		
March 15	Remington Typewriter Co., one typewriter.....	81.00
April 14	Robinson Dry Goods Co., cloth.....	.54
May 24	Cross & Co., pads.....	2.20
May 28	C. A. Wise & Sons Co., drugs.....	1.25
1908	Department of Mathematics, 1908-1909—	
October 15	Keuffel & Esser Co., protractor and triangles.....	1.80
1909		
May 6	Eugene Dietzgen Co., tape.....	6.00
1909	Department of German and French, 1908-1909—	
March 23	Rand, McNally & Co., map.....	7.88
1909	Department of Commercial Education, 1908-1909—	
January 6	Bradner, Smith & Co., 38 packages foolscap.....	40.95
1908	Department of Art, 1908-1909—	
August 5	C. A. Wise & Sons Co., supplies.....	.90
September 5	Register and Leader Co., drawing paper.....	47.30
	Atlas School Supply Co., drawing paper.....	14.00
September 17	Prang Educational Co., 38 boxes charcoal.....	4.32
	Handicraft Guild, pottery.....	21.25
October 6	C. A. Wise & Sons Co., 1 quart Fixativ.....	.70
November 5	C. A. Wise & Sons Co., 1 quart Fixativ.....	.70
November 17	Prang Educational Co., 200 pkgs. paper.....	24.00
December 9	Prang Educational Co., charcoal.....	1.96
1908	Department of History and Politics, 1908-1909—	
November 27	Supt. of Documents, one map.....	1.00
1908	Department of English Language & Literature, 1908-1909—	
November 8	C. A. Wise & Sons Co., one record book.....	1.50
	Total Departments for first year.....	\$ 886.15
		\$ 5,711.81

Miscellaneous Expenses of the College Not Due to Any Special Department, 1909-10.

1909		
July 24	W. L. Veatch, pictures.....	\$ 18.00
August 9	M. O. Chamberlain, 100 class registers.....	25.00
September 4	Atlas School Supply Co., 2 gross erasers.....	7.80
September 23	Jahn & Ollier Engraving Co., half tones.....	7.05
September 25	Normal Eye Publishing Co., 10 subscriptions to Normal Eye.....	10.00
October 13	C. A. Wise & Sons Co., supplies.....	14.86
November 12	Gibson & Graham Co., pencils.....	1.10
	H. H. Seerley, expenses attending teachers' associations.....	16.09
November 13	S. D. Page Co., examination paper.....	0.25
November 18	Seals and pictures.....	2.55
December 15	Fidelity & Casualty Co., premium on policy No. 225385.....	46.00
	O. G. Waffle, 6 Webster's International Dictionaries.....	64.80
1910		
January 17	C. A. Wise & Sons Co., supplies.....	4.40
February 12	Lucy Plummer, examination.....	12.00
	Mrs. C. S. Cory, examination.....	8.00
	Pfeiffer Co., ink.....	7.20
March 14	Record Co., exam. questions.....	18.00
March 18	H. H. Seerley, traveling expenses.....	44.99
March 25	Nat. Crayon Co., crayon.....	19.60
April 14	Atlas School Supply Co., erasers.....	7.80
	Inter-Institution Com. Meeting.....	26.85
April 18	H. H. Seerley, expenses.....	31.69
May 14	H. H. Seerley, expenses.....	26.72
June 13	Louis Begeman, expenses com. meeting.....	5.69
June 14	W. H. Bender, expenses com. meeting.....	5.59
	S. A. Lynch, expenses com. meeting.....	5.44
	S. A. Lynch, Mt. Vernon trip.....	5.23
	Advisory Committee, debating league.....	125.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
June 15	Geo. R. D. Kramer, Panama views.....	10.00
	M. F. Arey, com. meeting.....	7.69
	S. D. Page & Co., exam. blanks.....	9.75
	E. B. Evans, expenses.....	16.73
June 16	I. S. Condit, com. meeting.....	5.89
	Mrs. L. H. Gist, correct. papers.....	3.00
June 18	H. N. Silliman, salary.....	300.00
	Total.....	\$ 926.69

Department of Chemistry, 1909-10.

1909		
September 23	E. H. Sargent & Co., chemicals and platinum wire.....	\$ 24.68
October 13	Robinson Dry Goods Co., supplies.....	3.28
	C. A. Wise & Sons Co., supplies.....	2.10
	Johnson & Wyth Co., 1 doz. files.....	2.05
October 14	J. T. Baker Chemical Co., acid.....	9.26
	E. H. Sargent & Co., supplies.....	4.54
November 12	Gibson & Graham Co., supplies.....	.50
November 13	Bausch & Lomb Optical Co., supplies.....	142.90
December 14	Gibson & Graham, supplies.....	.50
1910		
January 14	Henry Hell Chemical Co., weights.....	6.11
	Robinson Dry Goods Co., supplies.....	3.39
February 11	L. E. Knott App. Co., portraits.....	16.80
February 12	Gibson & Graham, supplies.....	.89
March 12	E. H. Sargent & Co., chemicals.....	34.93
March 14	Gibson & Graham, supplies.....	.25
April 14	E. H. Sargent & Co., chemicals.....	2.90
	Elmer & Amend, tubes.....	4.50
	Robinson Dry Goods Co., supplies.....	3.80
	Johnson & Wyth Co., hardware.....	3.00
May 12	J. T. Baker Chemical Co., acid.....	5.20
May 13	Robinson Dry Goods Co., supplies.....	3.70
	C. A. Wise & Sons Co., supplies.....	.30
June 15	J. T. Baker Chemical Co., chemicals.....	40.24
June 16	Johnson & Wyth Co., supplies.....	.20
	Gibson & Graham, supplies.....	.10
	Total.....	\$ 815.62

Department of Home Economics, 1909-10.

1909		
August 1	Gibson & Graham, supplies.....	1.80
September 4	E. H. Sargent & Co., 18 bottles.....	3.16
September 15	J. J. Ralston, aluminum ware.....	21.83
September 23	The Fair, domestic science equipment.....	2.82
	Robinson Dry Goods Co., supplies.....	5.44
	Harry Onan, oysters.....	1.50
	The Emporium, supplies.....	1.90
October 18	Cedar Falls Ice Co., ice.....	8.00
	Gibson & Graham, supplies.....	23.34
	Johnson & Wyth Co., hardware.....	4.90
October 14	Mary Townsend, supplies.....	4.85
November 12	Gibson & Graham, supplies.....	22.95
	F. Z. Hale, milk tickets.....	3.00
November 18	Maids in kitchen.....	13.25
December 14	Townsend & Merrill Co., coal for kitchen.....	5.00
	W. H. Jefferson, bread.....	1.45
	Gibson & Graham, supplies.....	17.45
	F. Z. Hale, milk tickets.....	3.00
	C. M. Wyth & Co., supplies.....	.80
	Cedar Falls Ice Co., ice.....	1.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
January 14	Cedar Falls Ice Co., ice book.....	3.00
	L. H. Keep, supplies.....	1.95
	C. M. Jennings, supplies.....	2.79
	Oxford Cafe, supplies.....	.50
	Gibson & Graham, supplies.....	16.62
February 12	Mrs. G. W. Wilson, doilies.....	.75
	F. M. Crisman, milk.....	4.00
	W. H. Jefferson, bread.....	2.29
	Cedar Falls Ice Co., ice.....	6.00
	Gibson & Graham, supplies.....	18.10
March 11	Malds in kitchen.....	27.15
March 14	F. M. Crisman, milk.....	2.00
	W. H. Jefferson, bread.....	.60
	Gibson & Graham, supplies.....	21.00
	Johnson & Wyth Co., supplies.....	3.25
April 14	F. M. Crisman, milk.....	2.00
	L. H. Keep, supplies.....	2.46
	Larsen & Christiansen, meat.....	28.49
	Gibson & Graham, supplies.....	8.32
May 13	F. M. Crisman, milk.....	2.00
	Gibson & Graham, supplies.....	27.40
June 10	W. H. Jefferson, bread.....	.72
	M. C. Nelson, milk.....	1.00
	Larsen & Christiansen, meat.....	4.42
	L. H. Keep, groceries.....	2.75
	Gibson & Graham, supplies.....	24.07
	Weart-Frisby Co., ice book.....	3.00
	Total.....	\$ 359.27

College Hospital, 1909-10.

1909		
October 14	H. H. Seerley, refrigerator.....	\$ 10.00
November 10	Howard Holt Co., hospital equipment.....	53.60
November 12	Robinson Dry Goods Co., hospital supplies.....	189.42
	Gibson & Graham, dishes.....	11.65
	Johnson & Wyth Co., supplies.....	18.00
	Mrs. A. M. Potter, expenses securing her as matron of hospital.....	6.64
December 8	Howard Holt Co., equipment.....	7.33
December 14	Johnson & Wyth Co., supplies.....	4.40
	Robinson Dry Goods Co., equipment.....	29.83
December 20	H. Dahl, equipment.....	277.17
	Total.....	\$ 608.04

Department of Manual Arts, 1909-10.

1909		
July 28	Keuffel & Esser Co., blue print paper.....	\$ 5.40
October 13	Robinson Dry Goods Co., supplies.....	3.18
	C. A. Wise & Sons Co., supplies.....	2.05
October 14	Keuffel & Esser Co., repairs.....	1.42
December 9	Lussky, White & Coolidge, supplies.....	15.17
December 14	Townsend & Merrill Co., lumber.....	9.45
December 15	C. H. Besley & Co., metal.....	62.65
1910		
January 14	Lussky, White & Coolidge, hardware.....	1.08
February 11	Imperial Brush Co., brushes.....	9.90
	Orr & Lockett Hardware Co., supplies.....	1.63
	C. H. Besley & Co., copper.....	13.00
March 11	Needles and oil.....	.40
March 14	Johnson & Wyth Co., supplies.....	3.25

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
April 14	C. H. Besley & Co., metal.....	24.61
	Orr & Lockett Hdw. Co., hardware.....	4.05
	Townsend & Merrill Co., lumber.....	40.44
	Townsend & Merrill Co., lumber.....	12.06
May 12	Johnson & Wyth Co., hardware.....	6.25
	C. H. Besley & Co., supplies.....	21.87
	Keuffel & Esser Co., paper.....	3.00
May 13	C. A. Wise & Sons Co., supplies.....	3.15
June 16	Robinson Dry Goods Co., supplies.....	2.15
June 17	C. A. Wise & Sons Co., supplies.....	4.32
	Total.....	\$ 200.57

Department of Music, 1909-10.

1909		
October 14	Lyon & Healy, tuning 21 pianos.....	\$ 63.00
	Piano rent paid literary societies, summer and fall terms, 1909.....	67.50
November 13	Irving Squire Co., 1 set photogravures—Music Masters.....	7.50
December 15	Lyon & Healy, tuning 21 pianos.....	52.50
1910		
February 18	Literary societies, piano rent.....	45.00
March 14	Johnson & Wyth Co., supplies.....	6.00
April 25	Literary societies, piano rent.....	45.00
May 12	Aeolian Co., 5 music rolls.....	11.25
	Lyon & Healy, tuning 21 pianos.....	52.50
June 15	F. O. Evans Piano Co., Victrola.....	200.00
	Total.....	\$ 550.25

Department of Natural Science, 1909-10.

1909		
September 4	H. A. Dreer, 1 plant.....	\$.25
	C. S. Brimley, specimens.....	6.50
September 23	C. S. Brimley, specimens.....	4.50
October 13	Gibson & Graham, supplies.....	.15
	C. A. Wise & Sons Co., supplies.....	.35
October 14	Miss H. H. Powers, specimens.....	15.35
November 10	M. A. Peterson, monkeys.....	15.00
November 12	Cross & Co., 12 sheets mill board.....	1.20
December 14	Gibson & Graham, supplies.....	1.60
	Danish Book Concern, binding 1 vol.....	.85
December 15	D. Appleton Co., 1 Coulter's Plant Structures.....	1.08
	A. Loughridge, museum specimens.....	4.50
1910		
January 14	Plant Study Co., specimens.....	2.72
	Foote Mineral Co., specimens.....	48.33
	Fred Kaempfer, taxidermy supplies.....	6.28
	Ward's Natural Science Estab., supplies.....	4.25
	Gibson & Graham, supplies.....	.05
February 5	Jess Walters, taxidermy.....	4.40
February 11	Thos. Mehan & Sons, nuts for planting.....	.81
	Rand McNally Co., supplies.....	9.00
March 11	Paid for beef heart.....	.15
March 12	A. T. Thompson & Co., carbons.....	4.00
April 14	Wm. Gaertner & Co., eye pieces.....	9.12
	A. J. Nystrom & Co., maps.....	26.25
June 16	G. W. Walters, taxidermy.....	5.80
	Total.....	\$ 172.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Department of Physical Education, 1909-10.

Date	To Whom Paid and For What Purpose	Amount
1909		
July 24	Geo. C. Frisby, mowing golf links	16.80
September 23	P. Hatch, work on golf links	24.48
October 13	Johnson & Wyth Co., hardware	1.80
	C. A. Rownd, ½ year's rent for golf links	50.00
November 12	C. W. Chapman, lumber and nails for golf links	5.80
	Cross & Co., hockeyballs	5.00
	Johnson & Wyth Co., 1 padlock	.20
	P. Hatch, work on golf links	14.98
November 13	F. A. Bassette Co., 1,300 medical examination blanks	13.00
December 14	Townsend & Merrill Co., lumber	12.73
	H. E. Olbrich, 1 rod and cast washers	3.00
December 15	Library Bureau, cards	2.00
	A. G. Spalding and Bros., 4 basket balls	24.00
1910		
February 12	C. A. McKee, supplies	1.00
April 14	S. A. Bates, work on golf links	3.25
	Weart-Frisby Lumber Co., coal and lumber	8.50
	R. F. Seymour, repair balls	2.20
May 13	Cross & Co., phys. training supplies	35.75
	A. C. Page, work on golf links	3.00
June 16	C. A. Rownd, golf links tent	50.00
	Total	\$ 277.58

Department of Physics, 1909-10.

1909		
October 13	C. A. Wise & Sons Co., supplies	.16
October 14	Central Scientific Co., 1 stop watch	6.69
November 18	Laboratory supplies	1.75
December 14	Gibson & Graham, laboratory supplies	.40
December 15	Central Scientific Co., 12 protractors	1.24
1910		
January 17	C. A. Wise & Sons Co., supplies	1.00
February 12	Johnson & Wyth Co., hardware	.20
April 14	Central Scientific Co., apparatus	6.30
	Total	\$ 17.74

Department of Training in Teaching, 1909-10.

1909		
August 9	M. O. Chamberlain, registers	\$ 5.04
September 4	Central Scientific Co., apparatus	185.98
	Houghton, Mifflin Co., 10 copies Tappan's Hist. Eng-lish literature	10.88
	Scott, Foresman & Co., list of books	29.52
	American Book Co., 30 copies DeGarmo's Language les-sons	8.16
	A. C. McClurg & Co., 30 copies Werner Arithmetic	10.11
	Atkinson, Mentzer & Grover, list of books	36.00
	Macmillan Co., 10 copies Baker & Carpenter Readers	3.85
September 16	A. C. McClurg & Co., list of books	70.48
September 23	A. C. McClurg & Co., 24 copies American histories—Montgomery	12.38
	D. Appleton & Co., 18 copies algebra	11.08
October 13	O. J. Imlay, 1 yd. of sand	.85
	Robinson Dry Goods Co., supplies	3.05
	J. Bancroft & Sons, plants	2.27
	C. A. Wise & Sons Co., supplies	8.60
	Johnson & Wyth Co., hardware	2.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
October 14	J. F. Riggs, two registers	.98
	F. W. Roberts Co., 6 sets First Gift	4.80
	Central Scientific Co., apparatus	25.80
	A. C. McClurg & Co., 12 music series	3.10
	A. C. McClurg & Co., 6 copies Brumbaugh Fourth Reader	4.17
	Oxford University Press Co., 15 copies Everyman	1.06
November 12	A. H. Abbott & Co., casts	3.00
	Cross & Co., supplies	1.50
	Robinson Dry Goods Co., supplies	6.03
	J. S. Latta, supplies	5.35
November 13	Macmillan Co., list of books	3.51
	Houghton, Mifflin Co., 21 copies Riverside Series, 1 copy Tappan's American Literature	8.11
	Carl Fischer, orchestral music	4.52
	Geo. A. Mullin & Co., 150 report books	3.75
	A. C. McClurg & Co., drawing books	.97
	Thos. Charles Co., material for kindergarten	54.39
	Central Scientific Co., material	4.59
December 3	A. C. McClurg & Co., list of books	83.73
December 14	Robinson Dry Goods Co., cloth	.87
	C. M. Wyth & Co., supplies	.65
December 15	Houghton, Mifflin & Co., list of books	13.44
	Bradner Smith & Co., paper	9.98
	Thos. Charles Co., paper	6.54
	Slade, Hipp & Meloy, binding cloth	4.50
1910		
January 6	A. C. McClurg & Co., books	22.07
January 14	U. S. Geol. Survey, maps	3.00
	F. W. Roberts Co., supplies	1.85
	Houghton, Mifflin & Co., book	.64
	Robinson Dry Goods Co., supplies	1.34
	J. Bancroft & Son, supplies	5.35
	Gibson & Graham, supplies	1.91
January 17	C. A. Wise & Sons Co., supplies	5.80
February 11	Rand McNally Co., supplies	75.00
	Rand McNally Co., supplies	18.75
	Rand McNally Co., supplies	6.20
February 12	J. H. Gray, supplies	.85
	C. A. McKee, supplies	.33
	Cross & Co., books	1.30
February 14	A. C. McClurg & Co., books	9.69
March 12	Rand McNally Co., maps	6.45
	Thos. Charles Co., supplies	3.44
March 14	Johnson & Wyth Co., supplies	.65
April 1	A. C. McClurg & Co., books	4.09
April 4	A. C. McClurg & Co., books	12.62
April 14	A. C. McClurg & Co., books	.43
	A. J. Nystrom & Co., maps	13.25
	Macmillan & Co., books	9.79
	Bradner, Smith & Co., supplies	5.65
	Houghton, Mifflin & Co., books	4.42
	Allyn & Bacon, books	4.80
	Robinson Dry Goods Co., supplies	.65
	Cross & Co., yarn	1.92
May 13	J. S. Latta, supplies	5.30
	C. A. Wise & Sons Co., supplies	5.01
June 17	C. A. Wise & Sons Co., supplies	1.65
	Total	\$ 887.55
Professional Department		
July 23	Carpenter Paper Co., paper	\$ 2.08
	Sister R. Marie, primary supplies	2.29
Library Department		
October 13	C. A. Wise & Sons Co., supplies	.80
December 14	Johnson & Wyth Co., micas for cases	1.00
Commercial Education Department		
February 11	Bradner Smith & Co., foolscap paper	58.54
Art Department		
September 4	Atlas School Supply Co., 50 pkgs Manila paper	25.00
September 23	Atlas School Supply Co., 10,000 sheets paper	7.00
	Robinson Dry Goods Co., supplies	4.60

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
May 1910 12	C. A. Wise & Sons Co., supplies	.90
	Total	\$ 101.61
	Total—Departments for 2nd year	\$ 4,487.51
	Total—Departments for two years	\$ 10,179.32

Printing, 1908-09.

July 1908 11	J. W. Jarnagin, printing examination questions and programs	\$ 22.90
August 13	J. W. Jarnagin, printing course of study, programs, receipts and enrollment blanks	47.70
August 14	M. Parrott & Sons Co., part payment on 7,500 catalogs for 1908	500.00
September 5	J. W. Jarnagin, printing circulars and programs	86.50
September 24	M. Parrott & Sons Co., bulletins	220.12
September 25	Cedar Falls Gazette, printing 1,000 term report blanks	5.75
October 2	Matt Parrott & Sons Co., class record blanks	11.00
October 5	Cedar Falls Gazette 1,000 blanks	1.50
October 17	J. W. Jarnagin, envelopes, receipts and circulars	119.25
November 24	J. W. Jarnagin, printing enrollment blanks and programs	18.95
December 1909 23	J. W. Jarnagin, printing envelopes, tickets and signs	12.95
February 27	J. W. Jarnagin, printing examination questions, excuse blanks and notices	44.50
March 3	Cedar Falls Gazette, printing excuse blanks	4.00
March 20	J. W. Jarnagin, printing receipts	6.00
May 6	M. Parrott & Sons Co., printing summer term bulletins, Lincoln Day leaflet, and supplement to Vol. IX	265.20
May 27	M. Parrott & Sons Co., commencement announcements	60.50
June 15	J. W. Jarnagin, printing envelopes, receipts and programs	116.00
June 17	Matt Parrott & Sons Co., Alumni Register bulletins	374.95
June 28	J. W. Jarnagin, printing envelopes and tickets	8.50
	Total	\$ 1,923.17

Printing, 1909-10.

July 1909 23	Ansell Ticket Co., tickets	\$ 55.00
July 24	J. W. Jarnagin, printing courses of study	13.35
August 9	Matt Parrott & Sons Co., bulletins and fee registers	239.62
August 11	J. W. Jarnagin, printing signs, programs	32.35
September 4	Matt Parrott & Sons Co., printing catalogs	455.63
October 13	J. W. Jarnagin, printing envelopes and cards	12.25
November 12	J. W. Jarnagin, printing examination questions, receipts and postals	62.50
November 13	Matt Parrott & Sons Co., printing 2,000 bulletins	48.17
December 14	J. W. Jarnagin, printing excuse blanks, receipts	41.50
January 1910 14	Record Co., printing	19.90
February 12	Record Co., printing	13.70
March 12	Matt Parrott & Sons Co., printing term reports	18.75
April 14	Record Co., printing enrollment blanks and commencement announcements	9.50
May 12	St. Louis Paper Co., paper	549.58
May 13	Matt Parrott & Sons Co., 3 registers	10.50
May 13	J. W. Jarnagin, printing	15.75

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
June 1910 15	Matt Parrott & Sons Co., bulletins	\$ 390.24
June 16	Matt Parrott & Sons Co., Ill. booklets	100.00
	Record Co., printing summer term programs and enrollment blanks	84.75
	Total	\$ 2,173.59
	Total for two years	\$ 4,099.76

Advertising, 1908-09.

July 1908 1	Teacher Printing Co., 8-inch ad. in one issue	\$ 8.00
August 13	S. Y. Gillan & Co., ad. in Western Teacher for 2d half year 1907-08	22.25
September 17	Senior Annual Staff, 65 Senior Annuals for 1908	65.00
September 21	Midland Schools, ad. one issue	10.00
September 23	American Express Co., express on Annuals	24.28
October 3	United States Express Co., express on Annuals	21.12
October 8	Midland Schools, ad. in one issue	10.00
October 15	Iowa Normal Monthly, first quarter ad.	18.00
October 15	Teacher Printing Co., 8-in. ad. in one issue	8.00
November 5	Teacher Printing Co., 8-in. ad. in one issue	8.00
November 21	Midland Schools, ad. in one issue	10.00
December 9	American Express Co., express on Annuals	4.62
December 9	W. L. Veatch, pictures	13.50
December 9	Midland Schools, ad. in one issue	10.00
December 9	Teacher Printing Co., 8-in. ad. in one issue	8.00
January 1909 6	Teacher Printing Co., 8-in. ad. in one issue	8.00
January 6	Midland Schools, ad. in one issue	10.00
January 13	Jahn & Ollier Engraving Co., half-tone	6.00
January 13	Iowa Normal Monthly, ad. Nov., Dec., 1908, and Jan., 1909	18.00
January 25	S. Y. Gillan & Co., ads. Sept., Oct., Nov., Dec., 1908, and Jan., 1909, in Western Teacher	22.25
February 5	Teacher Printing Co., 8-in. ad. in one issue	8.00
February 5	Midland Schools, ad. in one issue	10.00
March 4	Midland Schools, ad. in one issue	10.00
March 4	Teacher Printing Co., 8-in. ad. in one issue	8.00
March 8	Jahn and Ollier Engraving Co., halftones	48.66
March 8	Normal Eye Publishing Co., ad. in Normal Eye for fall and winter terms of 1908-09	66.67
April 3	Teacher Printing Co., 8-in. ad. in one issue	8.00
April 3	Midland Schools, ad. in one issue	10.00
April 3	Iowa Normal Monthly, ad. for Feb. March and April	18.00
May 5	W. L. Veatch, pictures	6.10
May 6	Midland Schools, ad. in one issue	10.00
May 10	John McDonald, half tones	18.00
May 20	Teacher Printing Co., 8-in. ad. in one issue	8.00
May 27	Midland Schools, ad. in one issue	10.00
June 9	Normal Eye Publishing Co., ad. for spring term	33.33
June 15	Normal Eye Publishing Co., 1/2 page advertising special Commencement number, 200 copies commencement number	20.00
June 17	Teacher Printing Co., 8-in. ad. in one issue	8.00
June 17	Iowa Normal Monthly, ad. fourth quarter	18.00
June 19	John G. McDonald, Mgr., 500 Annuals	406.00
June 22	C. A. Wise & Sons Co., post cards	47.90
	Total	\$ 1,067.27

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Advertising, 1909-10.

Date	To Whom Paid and For What Purpose	Amount
1909		
July 23	Teacher Printing Co., ad. in June issue	8.00
August 13	S. Y. Gillan & Co., advertising in Western Teacher from February to June	22.25
September 14	Wells-Fargo Express Co., express on Annuals	8.43
	American Express Co., express on Annuals	34.76
September 15	United States Express Co., express on Annuals	7.30
November 12	U. S. Express Co., express on Annuals	8.50
December 14	Normal Eyte Publishing Co., ad. in fall term	32.00
1910		
March 25	Normal Eyte Publishing Co., ad. winter term	32.00
April 14	Jahn & Ollier Eng. Co., half tones	51.00
May 12	Normal Eyte Publishing Co., ad. spring term	32.00
May 13	W. L. Veatch, pictures	11.25
	Total	\$ 247.49
	Total for two years	\$ 1,314.76

Fuel, 1908-09.

1908		
July 27	Houghtaling & Gillam, unloading coal	\$ 7.70
September 21	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal Pittsburg, Ill., rate \$2.10	67.10
September 22	Central States Fuel Co., mine run coal at \$3.02½ per ton	32.73
September 25	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal Pittsburg, Ill., rate \$2.10	70.14
October 3	Central States Fuel Co., mine run coal	30.90
October 6	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	289.95
October 8	Central States Fuel Co., mine run coal at \$3.02½ per ton	131.59
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	167.48
October 10	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	163.70
	Central States Fuel Co., mine run coal	144.51
October 12	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	149.63
October 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	130.30
October 19	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	157.92
October 21	Central States Fuel Co., mine run coal	241.97
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	82.95
October 24	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	169.90
October 25	Central States Fuel Co., coal	77.09
November 3	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	73.92
November 6	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	173.14
	Central States Fuel Co., mine run coal	132.58
November 11	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	169.08
November 16	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	85.26
November 17	Central States Fuel Co., mine run coal at \$3.02½ per ton	118.29
December 9	Weart-Frisby Lumber Co., coal	98.50
December 14	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Pittsburg, Ill., rate \$2.10	89.79
December 23	Central States Fuel Co., mine run coal at \$3.05 per ton	85.59
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Keithsburg, Ill., rate \$2.10	99.13
1909		
January 2	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Marion, Ill., rate \$2.10	191.30

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
January 5	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	349.68
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Cedar Falls, rate \$.46½ per ton	79.33
January 6	Central States Fuel Co., mine run coal \$3.05 per ton	282.35
January 8	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Cedar Falls, rate \$.46½ per ton	105.13
January 13	Central States Fuel Co., mine run coal	85.74
January 14	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	320.14
	Waterloo, Cedar Falls & Northern Ry. Co., freight on mine run coal, Cedar Falls, rate 46½c per ton	39.20
January 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Cedar Falls, rate 46½c per ton	39.78
January 23	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	137.79
January 25	Central States Fuel Co., mine run coal at \$3.05 per ton	174.51
January 28	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	141.68
February 8	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	90.57
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal Cedar Falls, rate 46½c per ton	105.73
February 10	Weart-Frisby Lumber Co., coal	60.60
February 12	Central States Fuel Co., mine run coal at \$3.05 per ton	215.99
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal, Cedar Falls, rate 46½c per ton	70.08
February 13	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	314.75
February 18	Central States Fuel Co., mine run coal at \$3.05 per ton	148.96
March 2	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Cedar Falls, rate 46½c per ton	94.09
	Illinois Central Railroad Co., freight on coal, Pittsburg, Ill., rate \$2.10	328.88
March 4	Central States Fuel Co., mine run coal at \$3.05 per ton	273.92
	Illinois Central Railroad Co., freight on coal from Pittsburg, Ill., rate \$2.10	142.59
March 8	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Cedar Falls, rate 23½c per ton	60.65
March 18	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston, Ill., rate \$2.10	101.32
March 20	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	91.98
March 26	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	80.46
March 30	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	110.04
April 5	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	89.04
April 14	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	88.09
April 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	87.57
April 22	O'Gara Coal Co., mine run coal at \$1.00 per ton	49.45
	Central States Fuel Co., mine run coal at \$3.05 per ton	339.68
	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Harrisburg, Ill., rate \$2.05	101.87
April 20	Waterloo, Cedar Falls & Northern Ry. Co., freight on coal from Johnston City, Ill., rate \$2.10	197.82
	Central States Fuel Co., mine run coal at \$3.05 per ton	89.49
May 6	Central States Fuel Co., mine run coal at \$3.05 per ton	
	Total	\$ 8,536.44

Fuel, 1909-10.

1909		
July 24	Cedar Falls Ice Co., coal	\$ 9.75
October 13	Weart-Frisby Co., 2,080 lbs. coal	9.65
November 22	Townsend & Merrill Co., mine run coal at \$2.98 per ton	500.89

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
December 14..	Townsend & Merrill Co., mine run coal at \$2.98 per ton	1,088.09
1910		
January 14..	Townsend & Merrill Co., coal	618.46
February 12..	Townsend & Merrill Co., extra charge on coal	102.38
	W. C. F. & N. Ry. Co., extra freight on coal	9.80
	Went-Frisby Lumber Co., fuel	63.90
February 14..	Townsend & Merrill Co., coal	2,444.90
March 14..	Townsend & Merrill Co., extra freight charges	7.47
	Townsend & Merrill Co., coal for hospital	2.35
March 15..	Townsend & Merrill Co., coal	2,243.64
April 14..	Townsend & Merrill Co., coal	966.88
	Went-Frisby Lumber Co., coal and lumber	39.96
May 13..	Townsend & Merrill Co., coal	10.96
June 16..	Townsend & Merrill Co., coal	9.00
	Went-Frisby Lumber Co., coal	10.96
	Total for two years	\$ 8,262.83
		\$ 17,063.27

Office Expenses, Including Postage, 1908-09.

July 1908	3..	Postmaster, postage on 1,667 lbs. bulletins	\$ 16.67
July	25..	Two-cent stamps purchased June and July	37.70
August	5..	Gibson & Graham, pins	.60
		C. A. Wise & Sons Co., blank books and erasers	3.50
August	12..	Directory of Iowa, E. L. Polk Co.	6.00
		Two and one-cent stamps purchased July and August	24.00
		A. C. McClurg & Co., erasers, copying cloths and envelopes	4.86
September	5..	Library Bureau, schedule cards	30.47
September	16..	Postmaster, envelopes	170.58
		Deffer Co., ink and record	5.12
October	3..	Postmaster, postage on 3,422 lbs. bulletins	34.22
October	8..	Remington Typewriter Co., carbon and ribbons	7.50
October	15..	Remington Typewriter Co., carbon paper	5.00
October	21..	Russell's Ry. Guide Co., subscription to Russell's Railway Guide for one year	2.00
November	5..	C. A. Wise & Sons Co., books	5.00
November	6..	Gibson & Graham Co., pins	.50
November	17..	Bradner, Smith & Co., 7 reams paper	10.75
November	27..	Two and one-cent stamps purchased September, October, November	68.30
December	8..	Gibson & Graham Co., pins	.50
1909			
January	6..	A. C. McClurg & Co., 1 letter copying book	1.40
		Bradner, Smith & Co., paper	45.51
		Postmaster, postage on 67 lbs. bulletins	6.71
January	25..	M. Parrott & Sons Co., 1 H. S. graduate book	8.50
		Bradner, Smith & Co., 5 reams paper	13.55
		A. B. Dick Co., 12 quire stencil paper	5.71
February	6..	Postmaster, 500 envelopes	11.02
February	8..	C. A. Wise & Sons Co., drugs	2.80
February	9..	Postmaster, 3,600 envelopes	170.58
February	12..	A. C. McClurg & Co., blotters and files	5.11
February	18..	Gibson & Graham Co., pins	.50
March	11..	Two and one-cent stamps and express	41.00
March	20..	Remington Typewriter Co., Remington Typewriter repairs	5.00
April	8..	Postmaster, postage on 1,000 lbs. bulletins	10.01
April	10..	Gibson & Graham Co., pencils	3.40
April	22..	Library Bureau, 3 gross pens	3.00
April	6..	A. C. McClurg & Co., 1 seal press	3.50
		A. B. Dick Co., 12 lbs. ink	16.20
		Bradner, Smith & Co., paper	9.50
		Gibson & Graham Co., pins	1.50
May	10..	Postmaster, 16,000 government envelopes	841.00
May	22..	Remington Typewriter Co., carbon paper and 10 letter books	27.75

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount	
1909			
May	28..	C. A. Wise & Sons Co., drugs	7.71
June	3..	A. C. McClurg & Co., erasers and penholders	1.90
June	10..	Cedar Falls National Bank, notarial commission	5.50
June	22..	Gibson & Graham, pins	.50
June	25..	Western Banknote & Engraving Co., letterheads	56.79
June	28..	Two-cent stamps, express, gold seals, pencils	48.20
			\$ 1,294.44

Telephone and Telegraph Expenses, 1908-09.

1908			
July	14..	Iowa Telephone Co., rent for July	\$ 12.00
July	15..	Corn Belt Telephone Co., rent for July	8.00
July	25..	Western Union Co., June bills	1.45
		Iowa Telephone Co., June tolls	8.00
August	5..	Corn Belt Telephone Co., rent for August	12.00
August	12..	Iowa Telephone Co., rent for August	8.00
September	7..	Corn Belt Telephone Co., rent for September	8.00
September	12..	Iowa Telephone Co., rent for September	12.00
October	17..	Corn Belt Telephone Co., rent for October	8.00
October	16..	Iowa Telephone Co., rent for October	14.00
November	9..	Corn Belt Telephone Co., rent for November	8.00
November	25..	Iowa Telephone Co., rent for November	13.00
November	27..	Western Union Co., bill for August, September and October	2.06
			.95
December	9..	Corn Belt Telephone Co., rent for December	8.00
December	18..	Iowa Telephone Co., rent for December	13.00
1909			
January	6..	Corn Belt Telephone Co., rent to March 31	24.00
January	20..	Iowa Telephone Co., rent for January	13.00
February	17..	Iowa Telephone Co., rent for February	13.00
March	11..	Western Union Co., rent for December, January and February	3.50
		Iowa Telephone Co., tolls for December	.55
March	17..	Iowa Telephone Co., rent for March	13.00
April	3..	Corn Belt Telephone Co., rent for April	8.00
April	5..	Corn Belt Telephone Co., rent for May and June	16.00
April	17..	Corn Belt Telephone Co., rent for April	13.00
April	15..	Iowa Telephone Co., rent for May	13.00
June	19..	Iowa Telephone Co., rent for June	13.00
June	28..	Western Union Co., bill for March, April, May and June	13.20
		Iowa Telephone Co., tolls for April and May	4.05
		Total office expense, including telephone, etc., first year	\$ 280.81

Office Expenses, Including Postage, 1909-10.

1909			
July	2..	Postmaster, postage on 4,338 lbs. of bulletins	43.58
July	24..	C. A. Wise & Sons Co., 1 ledger	.35
August	9..	Northwestern Stamp Works, 1 rubber stamp	.50
		Matt Parrott & Sons Co., 1 new ledger	20.00
		G. A. Mullin & Co., envelopes	1.65
		G. A. Mullin & Co., envelopes	6.58
September	4..	Library Bureau, cards	55.55
		Northwestern Stamp Works, 1 rubber stamp	.55
September	20..	Remington Typewriter Co., machine and desk	114.98
		Northwestern Stamp Works, 1 rubber stamp	1.20
		Russell's Railway Guide, subscription to October, 1910	2.00
		G. A. Mullin & Co., envelopes	137.20

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
September 25	A. C. McClurg & Co., 8 gross pens	5.39
October 2	Postmaster, postage on 2,200 lbs. bulletins	22.00
October 13	C. A. Wise & Sons Co., supplies	4.00
October 14	A. B. Dick & Co., stencils	25.80
	State University of Iowa, 200 blanks	.50
October 18	Gibson & Graham, supplies	2.00
November 12	Gibson & Graham Co., supplies	.05
	C. A. Wise & Sons Co., record book	1.35
November 18	A. C. McClurg & Co., 1 file	.25
November 18	Postage two and one-cent stamps	17.00
	Office supplies	2.00
November 22	Remington Typewriter Co., 24 ribbons	9.00
December 15	Bradner, Smith & Co., mimeograph paper	80.50
1910		
January 3	Postmaster, for postage on bulletins	6.44
January 14	Gibson & Graham, supplies	.50
January 17	C. A. Wise & Sons Co., supplies	3.00
February 11	Rand McNally & Co., business atlas	10.50
	Bradner, Smith & Co., paper	15.00
	Remington Typewriter Co., letter books	27.30
February 12	W. T. M. Aitken, directory	3.00
March 11	Office car fare	2.00
	Postmaster, one and two-cent stamps	9.00
March 12	Gaylord Bros., binding	5.50
March 14	Gibson & Graham, supplies	4.10
April 7	A. C. McClurg & Co., supplies	3.85
April 14	Western Bank Note & Engraving Co., letter heads	37.50
	A. B. Dick Co., stencil supplies	39.00
	Bradner, Smith & Co., blotting paper	7.20
	Postmaster, for postage on bulletins	3.77
May 11	A. C. McClurg & Co., supplies	6.74
May 12	H. Ohashi & Co., typewriter supplies	20.58
	State University, high school lists	2.05
	Geo. A. Mullin & Co., envelopes	138.57
May 13	C. A. Wise & Sons Co., supplies	12.30
May 16	J. W. Janargin, P. M. government envelopes	84.96
June 13	Gibson & Graham, supplies	1.00
June 17	C. A. Wise & Sons Co., supplies	2.05
June 22	Postmaster, postage on bulletins	61.50
		\$ 997.98

Telephone and Telegraph Expenses, 1909-10.

1909		
July 7	Corn Belt Telephone Co., rent for July, August and September	\$ 24.00
July 24	Iowa Telephone Co., rent for July	13.00
September 2	Corn Belt Telephone Co., 1 new telephone	1.25
	Iowa Telephone Co., rent for August	13.00
October 2	Corn Belt Telephone Co., rent for October, November and December	27.75
October 13	Iowa Telephone Co., rent for September	15.00
	Iowa Telephone Co., rent for October	15.00
November 12	Iowa Telephone Co., rent for November	18.00
November 13	Western Union, bill for September	.25
	Iowa Telephone Co., September tolls	.55
December 14	Iowa Telephone Co., rent for December	18.00
1910		
January 5	Corn Belt Telephone Co., rent for January, February, March	27.75
January 14	Iowa Telephone Co., rent for January	15.00
February 12	Iowa Telephone Co., rent for February	18.00
February 15	H. H. Seerley, Corn Belt Telephone, rent one year, 1909	10.00
March 11	Western Union, bill for October	.37
	Western Union, bill for November	1.41
	Iowa Telephone Co., October tolls	.55
	Iowa Telephone Co., January tolls	.15

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
March 28	Iowa Telephone Co., rent for March	18.00
April 7	Corn Belt Telephone Co., rent for April, May and June	27.75
April 14	Iowa Telephone Co., April rent	18.00
June 16	Iowa Telephone Co., May and June rent	36.00
		\$ 321.68
	Total office expense, including telephone, etc., second year	\$ 1,319.66
	Total office expense, including telephone, etc., two years	\$ 2,903.91

SUMMER TERM.

Date	To Whom Paid for Summer Term Work	Amount
1908		
July 6	Lillian Cummings	\$ 30.00
July 9	Julia Curtiss	50.00
July 24	F. F. Almy	300.00
	C. H. Anthony	140.00
	M. F. Arey	350.00
	Amy Arey	250.00
	C. H. Bailey	350.00
	C. H. Brown	100.00
	Alys Bentley	225.00
	Lillian Bruce	200.00
	C. P. Colgrove	400.00
	Jennette Carpenter	250.00
	Ira S. Condit	350.00
	C. S. Cory	280.00
	E. K. Chapman	220.00
	E. J. Cable	250.00
	J. T. Colegrove	125.00
	H. C. Cummins	250.00
	George S. Dick	180.00
	Frances Dickey	350.00
	C. A. Fullerton	350.00
	W. W. Gist	350.00
	K. F. Geiser	200.00
	Jennie Hutchison	200.00
	Mamie F. Hearst	320.00
	S. F. Hersey	200.00
	Johanna Hansen	220.00
	Elizabeth Hughes	210.00
	Mrs. E. D. Ingalls	350.00
	J. B. Knoepfler	90.00
	Irma Keene	180.00
	Emma F. Lambert	270.00
	Anna E. McGovern	280.00
	Bertha Martin	350.00
	F. I. Merchant	200.00
	Alma McMahan	260.00
	B. W. Merrill	180.00
	Mabel McNally	350.00
	George W. Newton	350.00
	A. C. Page	350.00
	L. W. Parish	60.00
	W. E. Proctor	140.00
	Frances C. Portman	250.00
	Sara F. Rice	350.00
	George W. Samson	200.00
	Laura S. Seals	280.00
	C. B. Simmons	280.00
	R. F. Seymour	280.00
	S. K. Tompkins	350.00
	D. S. Wright	

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid for Summer Term Work	Amount
July 1908 24...	S. L. Thomas.....	200.00
	May L. Wright.....	125.00
	Florence E. Ward.....	250.00
	G. W. Walters.....	350.00
	Otis Weigle.....	30.00
		\$ 13,375.00
July 1909 22...	Amy Arey.....	250.00
	F. F. Almy.....	300.00
	C. H. Anthony.....	140.00
	M. F. Arey.....	350.00
	Allison Altbison.....	180.00
	W. H. Bender.....	350.00
	C. H. Bailey.....	350.00
	C. H. Brown.....	180.00
	Laura Bowman.....	102.50
	Louis Begeman.....	50.00
	C. P. Colgrove.....	400.00
	Jennette Carpenter.....	250.00
	Ira S. Condit.....	350.00
	C. S. Cory.....	280.00
	Anna G. Childs.....	60.00
	E. K. Chapman.....	240.00
	E. J. Cable.....	280.00
	H. C. Cummins.....	250.00
	George S. Dick.....	350.00
	Ruth Dowdell.....	160.00
	Frances Dickey.....	200.00
	John Ross Frampton.....	60.00
	Alice Gordon.....	100.00
	W. W. Gist.....	350.00
	Eva L. Gregg.....	220.00
	Mamie F. Hearst.....	200.00
	Johanna Hansen.....	200.00
	Jessie Hurst.....	160.00
	S. F. Hersey.....	320.00
	C. A. Fullerton.....	350.00
	Irma Keene.....	140.00
	J. B. Knoepfler.....	350.00
	Harriet Kramer.....	10.00
	Katherine Knoepfler.....	50.00
	Emma F. Lambert.....	180.00
	Anna McGovern.....	270.00
	Bertha Martin.....	280.00
	B. W. Merrill.....	260.00
	Mabel McNally.....	200.00
	Mrs. Alma McMahon.....	200.00
	Charles H. Meyerholz.....	300.00
	F. I. Merchant.....	350.00
	G. W. Newton.....	350.00
	L. W. Parish.....	350.00
	A. C. Page.....	350.00
	Ariel Parish.....	60.00
	Bertha L. Patt.....	250.00
	Sara M. Riggs.....	250.00
	Sara F. Rice.....	250.00
	G. W. Samson.....	350.00
	Laura S. Seals.....	220.00
	R. F. Seymour.....	280.00
	C. B. Simmons.....	240.00
	Hulda Stenwall.....	200.00
	S. K. Tompkins.....	280.00
	Henrietta Thornton.....	250.00
	G. W. Walters.....	350.00
	Florence E. Ward.....	250.00
	D. S. Wright.....	350.00
	Otis Weigle.....	50.00
June 1910 14...	W. H. Bender.....	50.00
		\$ 14,352.50
	Total for two years.....	\$ 27,727.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

MILLAGE FUND.

Expenditures, 1908-09.

Date	To Whom Paid and For What Purpose	Amount
July 1908 1...	Waterloo Electrical Supply Co., electrical supplies.....	63.42
	American Radiator Co., 54 radiators.....	536.56
	Illinois Central Railroad Co., freight on radiators.....	87.15
July 2...	A. Watson, first estimate on stone setting on library.....	600.00
July 3...	Superintendent's pay roll (labor at \$3.00, \$2.25, \$1.50, \$1.00, \$2.00, \$1.75 and \$3.50 on library and repairs).....	639.19
July 13...	Des Moines Bridge & Iron Works, contract for iron for library.....	1,887.98
July 16...	O. J. Imlay, sand.....	16.43
July 18...	A. Watson, fifth estimate for cut stone for library.....	300.00
July 20...	Superintendent's pay roll (labor at \$4.50, \$2.50, \$4.00, \$2.25, \$2.00, \$1.75, \$3.50, and \$1.25 on library and repairs).....	895.35
July 22...	Waterloo, Cedar Falls & Northern Ry. Co., freight on brick for library and repairs.....	176.97
July 23...	Electric Appliance Co., light fixtures.....	137.16
July 27...	Fort Dodge Brick & Tile Co., 56,000 brick.....	364.08
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 3 cars steel from Chicago, freight on 1 car brick from Fort Dodge.....	252.58
	Houghtaling & Gillam, 27 loads of sand for science building.....	20.25
July 28...	Trussed Concrete Steel Co., 2 cars tile and 1 car trussed bars for library.....	758.74
August 1...	Trussed Concrete Steel Co., 2,708 sq. ft. 6 inch tile.....	113.94
August 2...	Superintendent's pay roll, labor at \$3.50, \$1.75, \$4.00 on president's house.....	36.17
	Superintendent's pay roll, labor at usual rates on library.....	931.92
August 5...	C. A. Wise & Sons Co., lime, lead and oil.....	789.48
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 2 cars of brick from Fort Dodge and 1 car of fire proofing from Peoria, Ill., for library.....	141.04
August 6...	Arthur Watson, second estimate setting stone for library.....	500.00
August 8...	G. W. Clark, freight and drayage.....	23.16
August 10...	Fort Dodge Brick & Tile Co., freight on 40,000 brick from Fort Dodge, Iowa.....	260.06
	Milwaukee Artistic Metal Ceiling Co., repairs.....	452.80
August 11...	A. Watson, sixth estimate on cut stone for library.....	2,000.00
August 12...	Townsend & Merrill Co., lumber for library and repairs.....	591.60
	Johnson & Wyth Co., hardware for library and repairs.....	657.92
August 18...	Electric Storage and Battery Co., electric supplies.....	152.25
	Waterloo Electrical Supply Co., 500 feet wire and 250 feet alphasud for repairs.....	16.45
August 14...	Superintendent's pay roll, labor at usual rates on library and repairs.....	555.98
August 31...	Superintendent's pay roll, labor at usual rates on library.....	1,051.77
September 2...	O. J. Imlay, sand for president's house.....	33.30
September 3...	Arthur Watson, third estimate setting stone, seventh estimate cut stone for library.....	1,800.00
September 5...	Waterloo Electrical Supply Co., 550 ft. wire and 1 buzzer.....	4.05
	Electrical Appliance Co., 16 bells.....	77.20
	G. W. Clark, freight and drayage.....	3.25
	Cedar Falls Iron Works, repairs.....	61.32
	G. W. Clark, freight and drayage.....	6.25
September 12...	Superintendent's pay roll, labor at usual rates on library and president's residence.....	887.73
September 14...	Arthur Watson, eighth estimate cut stone for library.....	1,000.00
September 15...	O. J. Imlay, sand for president's residence.....	55.22
September 21...	O. J. Imlay, sand for president's residence.....	123.87
September 22...	Trussed Concrete Steel Co., 2,800 sq. ft. of 6 inch tile.....	

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
September 23	Johnson & Wyth Co., hardware for library, president's residence and repairs	104.69
	Townsend & Merrill Co., lumber for library and repairs	518.85
	C. A. Wise & Sons Co., supplies for library and president's residence	1,182.67
	Chicago, Rock Island & Pacific R. R. Co., freight on tile from Peoria	75.95
September 25	Waterloo, Cedar Falls & Northern Ry. Co., freight on 8,000 brick from Kansas City, Mo.	83.22
September 26	G. W. Clark, freight and drayage	18.40
September 28	Superintendent's pay roll, (labor at usual rates on president's residence and library)	805.75
October 3	Milwaukee Artistic Metal Ceiling Co., repairs	7.76
	Hydraulic Press Brick Co., brick for president's residence	416.23
	Johnston Bros. Clay Works, 5,000 hollow blocks	143.10
	Illinois Central R. R. Co., freight on 5,000 hollow blocks	46.20
	Houghtaling & Gillam, stone for president's residence	100.00
October 6	Waterloo, Cedar Falls & Northern Ry. Co., freight on 14,000 brick from Fort Dodge, Iowa	33.98
	C. A. Wise & Sons Co., supplies for president's residence	50.43
October 8	Fort Dodge Brick & Tile Co., 14,000 brick for library and president's residence	92.02
	J. T. Ryerson & Son., iron fittings for library and president's residence	22.22
October 12	Superintendent's pay roll (labor at usual rates on library)	715.51
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 9,500 pressed brick from Kansas City, Mo.	42.97
	T. B. Casey, repairs	2.50
October 13	Arthur Watson, fourth estimate setting stone for library	300.00
October 15	Arthur Watson, ninth estimate cut stone for library	1,700.00
	Fisher Governor Co., 1 reducing valve	45.50
	H. W. Johns-Manville Co., pipe covering	212.72
	Hydraulic Press Brick Co., brick for president's residence	220.66
	Electric Appliance Co., electrical supplies	181.65
	Townsend & Merrill Co., lumber for president's residence and repairs	424.17
October 17	Johnson & Wyth Co., hardware president's residence and repairs	41.81
	Crane Co., pipe fittings, president's residence	40.69
October 21	Blodgett Clock Co., 10 clocks	108.00
	Superintendent's pay roll (labor at usual rates on president's residence)	501.49
October 26	O. J. Imlay, sand for president's residence	83.25
	G. W. Clark, freight and drayage	22.75
	Electric Appliance Co., electrical supplies	4.62
October 28	Johnston Bros. Clay Works, 5,000 hollow blocks	143.10
October 22	Illinois Central R. R. Co., freight on 5,000 hollow blocks for president's residence	46.20
November 5	H. W. Johns-Manville Co., pipe covering	30.87
	Lusky, White & Coolidge, 83 locks and 12 keys	283.78
	C. A. Wise & Sons Co., supplies for president's residence	49.50
November 7	G. W. Clark, freight and drayage	20.00
November 9	Superintendent's pay roll (labor at usual rates on president's residence, library and locker room)	621.61
November 13	Johnson & Wyth Co., hardware for president's residence and repairs	59.95
	Townsend & Merrill Co., lumber for repairs and lockers	250.97
November 16	Houghtaling & Gillam, stone for library and president's residence	680.00
	Northwestern Compo Board Co., 193 pieces compo board	290.50
	Crane Co., 6 steam traps	114.57
	Lowe Bros Co., paint	70.38
November 21	Superintendent's pay roll (labor at usual rates on president's residence, tunnel and repairs)	603.83
November 23	O. J. Imlay, sand for president's residence and library	27.20
November 25	Western Electric Co., electrical supplies	54.12
November 27	Waterloo, Cedar Falls & Northern, freight on 12,000 brick from Kansas City, Mo.	48.90

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
December 7	Superintendent's pay roll, labor at usual rates on president's residence, lockers and library	464.98
December 8	E. F. Gerken & Co., rope for library	6.00
December 9	Electric Appliance Co., electrical supplies	11.88
	Western Electric Co., cable terminals	8.24
	Waterloo Electrical Supply Co., electrical supplies	81.75
December 10	Townsend & Merrill Co., lumber president's residence	112.53
December 12	J. Nielsen, stone for president's residence	62.75
December 14	Waterloo, Cedar Falls & Northern, freight on 12,000 brick from Kansas City, Mo.	48.90
December 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick from Kansas City, Mo.	45.90
December 16	Morrison & Kretschmer Mfg. Co., iron fittings for president's residence	45.14
	O. J. Imlay, sand for president's residence	15.30
December 21	Superintendent's pay roll, labor at usual rates on president's residence, library and repairs	504.74
December 23	Crane Co., 1 steam trap	15.38
	Hydraulic Press Brick Co., 36,000 brick	474.30
	Pittsburg Plate Glass Co., glass for president's residence	59.96
December 31	Houghtaling & Gillam, 118 cord and 3 ft. of rock for president's residence and library	88.18
	Arthur Watson, tenth estimate on cut stone for library	750.00

Expenditures, 1909-10.

1909		
January 2	G. W. Clark, freight and drayage	2.90
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick from Kansas City, Mo.	48.90
January 4	Superintendent's pay roll, labor at usual rates on president's residence, library and repairs	455.09
January 5	Illinois Central R. R. Co., freight on 8,500 hollow blocks from Fort Dodge, Iowa	78.54
January 8	J. E. Robinson, expenses purchasing interior decoration for president's residence	14.40
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick from Kansas City, Mo.	48.90
January 13	Johnson-Service Co., repairs	807.75
	Hydraulic Press Brick Co., 21,000 brick	316.20
	Johnston Bros. Clay Works	244.41
	Pittsburg Plate Glass Co., glass for repairs	43.27
January 14	Johnson & Wyth Co., hardware for president's residence and repairs	820.87
	Illinois Central R. R. Co., freight on 8,000 hollow blocks from Fort Dodge	73.92
	Townsend and Merrill Co., lumber for repairs and library	92.81
	Arthur Watson, eleventh estimate on cut stone for library	1,900.00
January 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick	48.90
January 18	Superintendent's pay roll, labor at usual rates on lockers, president's residence and library	499.10
January 23	O. J. Imlay, sand for library	85.00
	Illinois Central R. R. Co., freight on 8,000 hollow blocks	73.92
January 25	Johnston Bros. Clay Works, 16,000 hollow blocks	455.12
	Hydraulic Press Brick Co., 12,000 brick for library	158.10
February 1	Superintendent's pay roll, labor at usual rates on library, president's residence and repairs	388.14
February 5	Northwestern Compo-Board Co., 50 boards	64.96
	Waterloo Electrical Supply Co., electrical supplies	53.39
	J. Andrae & Sons, electrical supplies	7.00
February 8	Illinois Central R. R. Co., freight on 8,000 hollow blocks	73.92
	C. A. Wise & Sons Co., material for president's residence and repairs	186.11
February 9	J. E. Robinson, labor in president's residence	8.80
February 10	Weart-Prisby Lumber Co., lumber for lockers	67.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
February 12	Illinois Central R. R. Co., freight on 30,000 hollow blocks from Fort Dodge, Iowa	203.73
February 15	Superintendent's pay roll, labor at usual rates on library, president's residence and repairs	390.11
	J. Stagg, labor on president's residence	36.00
	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick from Kansas City, Mo.	48.90
February 14	C. G. Curtwright, labor in president's residence	23.74
February 15	H. W. Johns-Manville Co., pipe covering	43.54
	J. T. Ryerson & Son, pipe fittings	31.78
	Hydraulic Press Brick Co., 12,000 brick for library	158.10
	Johnston Bros. Clay Works, 24,000 hollow blocks	565.45
	Fred Wolcott, labor in president's residence	19.89
February 24	J. D. Maynard, labor in president's residence	13.50
March 1	Superintendent's pay roll, labor at usual rates in library, president's residence and lockers	389.15
March 2	Waterloo, Cedar Falls & Northern Ry. Co., freight on 12,000 brick from Fort Dodge, Iowa	48.90
	J. Bisby, labor in president's residence	3.90
	J. C. Radell, iron	10.47
March 3	Clarence Boyd, labor in president's residence	8.31
	O. J. Imlay, sand for library	52.70
March 4	Waterloo Electrical Supply Co., 250 feet iron conduit	21.33
	Hydraulic Press Brick Co., 12,000 brick for library	158.10
March 5	Townsend & Merrill Co., lumber for repairs	107.90
March 11	Rundle-Spence Mfg. Co., 1 automatic pump	51.40
March 12	Townsend & Merrill Co., lumber for repairs and library	77.14
	Johnson & Wyth Co., hardware for repairs and president's residence	351.00
March 15	Superintendent's pay roll, labor at usual rates on president's residence and library and repairs	475.12
March 20	Superintendent's pay roll, labor at usual rates on library and lockers	427.83
March 30	H. E. Olbrich, iron	7.85
April 3	Elaterite Paint Mfg. Co., paint	2.75
	Johnston Bros. Clay Works, 6,700 hollow blocks	198.10
	L. Wolff Mfg. Co., repairs	2.46
	O. J. Imlay, sand for library	24.85
April 5	Arthur Watson, fifth estimate setting and twelfth estimate cut stone for library	400.00
April 10	G. W. Clark, freight and drayage	2.50
	J. Nielsen, 55 ft. stone	6.85
April 12	Superintendent's pay roll, labor at usual rates on president's residence and library	360.45
	Trussed Concrete Steel Co., iron for library	951.31
	J. B. Miller, Keyless Lock Co., 288 locks	144.00
	J. B. Clow & Sons, 3 plungers	5.78
April 14	Illinois Central R. R. Co., freight on slate roofing from Chicago	148.00
	Townsend & Merrill Co., lumber for library and lockers	409.13
	Townsend & Merrill Co., lumber for president's residence	2,362.46
	Waterloo, Cedar Falls & Northern Ry. Co., freight on iron from Chicago	116.89
April 15	Waterloo, Cedar Falls & Northern Ry. Co., freight on brick from Cedar Falls	26.99
	L. A. McIvor & Co., first estimate decorating interior of president's residence	300.00
April 17	G. W. Clark, freight and drayage	8.15
April 19	O. J. Imlay, sand for library	18.70
April 21	Arthur Watson, first estimate on brick and thirteenth estimate cut stone for library	1,750.00
April 22	Fort Dodge Brick & Tile Co., 10,000 brick for library	63.01
	Pittsburg Plate Glass Co., glass for repairs	11.29
	Johnson, Jackson & Corning, 210 feet cornice	66.15
April 24	G. W. Clark, freight and drayage	1.10
April 26	Superintendent's pay roll, labor at usual rates on president's residence	366.48
April 28	L. A. McIvor & Co., second estimate on decorating interior of president's residence	250.00
April 29	C. G. Hipwell, slate roof	587.10
April 30	Waterloo, Cedar Falls & Northern, freight on 10,000 brick from Fort Dodge, Iowa	49.98

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
May 5	Waterloo, Cedar Falls & Northern Ry. Co., freight on 10,000 brick	21.93
May 6	Johnson Service Co., diaphragms	29.70
	Fort Dodge Brick & Tile Co., 30,000 brick for library	195.06
May 10	L. A. McIvor & Co., third estimate for decorating interior of president's residence	250.00
	Arthur Watson, second estimate setting brick and fourteenth estimate cut stone for library	2,000.00
May 12	Townsend & Merrill Co., lumber for library	39.90
May 14	Johnson & Wyth Co., hardware for library, president's residence and repairs	628.47
May 18	Waterloo, Cedar Falls & Northern Ry. Co., freight on 30,000 brick from Cedar Falls	74.97
May 20	L. A. McIvor & Co., final estimate on decorating interior of president's residence	416.00
	Trussed Concrete Steel Co., 2,975 sq. ft. tiling	125.18
	Fort Dodge Brick & Tile Co., 30,000 brick for library	195.08
	Pittsburg Plate Glass Co., glass	1.20
May 22	O. J. Imlay, sand for library	39.95
May 24	Arthur Watson, fifteenth estimate cut stone and third estimate brick work and sixth estimate setting stone for library	2,000.00
	Superintendent's pay roll, labor at usual rates on president's residence and library	329.22
	H. E. Olbrich, iron for library and repairs	48.00
May 25	Waterloo, Cedar Falls & Northern Ry. Co., freight on brick from Cedar Falls, Iowa	66.88
May 27	Gethmann Brick Co., 11,000 brick for library	146.18
	Fort Dodge Brick & Tile Co., 20,000 brick for library	130.02
	Trussed Concrete Steel Co., 2,975 sq. ft. tile	125.18
	Electric Appliance Co., electrical supplies	63.70
May 28	Waterloo, Cedar Falls & Northern Ry. Co., freight on fire proofing from Macksville, Ind.	177.47
	C. A. Wise & Sons Co., material for president's residence and library	1,621.67
May 10	Superintendent's pay roll, labor at usual rates on president's residence and library	296.91
June 7	Superintendent's pay roll, labor at usual rates on president's residence, library and repairs	476.91
June 10	Waterloo, Cedar Falls & Northern Ry. Co., freight on 60,000 brick from Cedar Falls	149.94
June 12	Arthur Watson, sixteenth estimate cut stone for library and first estimate on iron	1,000.00
June 17	Fort Dodge Brick & Tile Co., 100,000 brick for library	589.09
	L. Wolff Mfg. Co., plumbing material for president's residence	74.98
	Electric Appliance Co., electrical supplies	198.45
	Sherwin Williams Co., paint	7.50
June 19	Waterloo, Cedar Falls & Northern Railway Co., freight on 30,000 brick from Cedar Falls, Iowa	74.97
June 21	Superintendent's pay roll, labor at usual rates on president's residence and library	621.58
June 23	Johnson & Wyth, hardware for President's residence and library	180.33
	Townsend & Merrill Co., lumber for president's residence and library	2,226.92
	Waterloo, Cedar Falls & Northern Railway Co., freight on 20,000 brick from Cedar Falls	49.98
June 25	Johnston Bros. Clay Works, 3,350 hollow blocks	37.75
	Chas. G. Hipwell, slate and nails	49.50
	Fort Dodge Brick & Tile Co., 20,000 brick for library	130.02
	Johnson & Wyth Co., hardware for library, repairs and president's residence	152.20
June 26	G. W. Clark, freight and drayage	1.30
June 28	Waterloo, Cedar Falls & Northern Railway Co., freight on 10,000 brick	24.92
	Arthur Watson, seventh estimate stone setting and fourth estimate brick setting for library	1,000.00
June 30	G. E. Palmer, wages twelve months as steam fitter	807.13
	M. T. Coleman, wages twelve months as plumber	840.00
	Total	\$ 71,413.82

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
July 1909		
July 2	Waterloo, Cedar Falls & Northern Railway Co., freight on 20,000 brick from Cedar Falls.....	49.98
July 6	Waterloo, Cedar Falls & Northern Railway Co., freight on hollow blocks from Cedar Falls.....	10.00
July 10	Superintendent's pay roll, labor at usual rates, on library and president's residence.....	438.77
July 17	Pittsburg Plate Glass Co., glass for president's residence.....	28.73
July 19	G. W. Clark, freight and drayage.....	6.45
July 23	Superintendent's pay roll, labor at usual rates, on library, repairs and president's residence.....	370.58
July 23	Fort Dodge Brick & Tile Co., 30,000 brick for library.....	195.03
July 23	Dean Electric Co., 5 telephones.....	40.00
July 23	Commonwealth Edison Co., 1 dome for lights.....	90.00
July 23	Fisher Tent & Awning Co., 11 awnings.....	45.35
July 24	O. J. Inlay, sand for library.....	90.33
July 24	Johnson & Wyth Co., fittings for tunnel and president's residence.....	59.65
July 24	H. E. Olbrich, iron work.....	51.13
July 24	C. A. Wise & Sons Co., material for president's residence and library.....	666.39
July 28	Arthur Watson, eighth estimate on stone setting, fifth estimate on brick for library and entire estimate on president's residence.....	3,100.00
July 31	O. J. Inlay, sand for library.....	103.97
July 31	Houghtaling & Gillam, stone for library.....	155.25
July 31	G. W. Clark, freight and drayage.....	17.87
August 7	Milwaukee Artistic Metal Ceiling Co., material for president's residence.....	32.05
August 9	Superintendent's pay roll, labor at usual rates, on president's residence and library.....	557.84
August 9	Ryerson & Son, iron for library.....	98.00
August 9	Fort Dodge Brick & Tile Co., 20,000 brick.....	130.02
August 11	Waterloo, Cedar Falls & Northern Railway Co., freight on 20,000 brick from Cedar Falls.....	49.98
August 11	Trussed Concrete Steel Co., 1,400 pieces tile.....	58.90
August 13	G. W. Clark, freight and drayage.....	4.51
August 13	Robinson Dry Goods Co., furnishings for president's residence.....	90.13
August 13	Robinson Dry Goods Co., furnishings for president's residence.....	8.29
August 13	Robinson Dry Goods Co., furnishings for president's residence.....	116.17
August 13	Robinson Dry Goods Co., furnishings for president's residence.....	1,106.06
August 13	H. Dahl, furnishings for president's residence.....	362.25
August 13	Townsend & Merrill Co., lumber for library and president's residence.....	291.91
August 13	Johnson & Wyth Co., hardware for president's residence and repairs.....	90.26
August 30	Superintendent's pay roll, labor at usual rates, on president's residence and library.....	747.58
September 2	Pittsburg Plate Glass Co., 9 mirrors.....	37.68
September 4	G. W. Clark, freight and drayage.....	3.85
September 4	Fort Dodge Brick & Tile Co., 50,000 brick for library.....	325.03
September 4	Electric Appliance Co., electrical supplies.....	25.58
September 4	Central Electric Co., electrical supplies.....	10.61
September 4	Boone Brick, Tile & Paving Co., brick for repairing paving.....	72.99
September 4	Grand Rapids Clock & Mantel Co., 1 grate for president's residence.....	35.00
September 4	Pittsburg Plate Glass Co., paints and oils for repairs.....	58.15
September 4	Waterloo, Cedar Falls & Northern Railway Co., freight on brick and tile from Peoria, Ill.....	233.70
September 4	Johnson & Wyth Co., pipe for library.....	1,107.39
September 13	Superintendent's pay roll, labor at usual rates, on president's residence and repairs.....	432.91
September 14	G. W. Clark, freight and drayage.....	37.75
September 16	Pittsburg Plate Glass Co., glass for president's residence.....	8.82

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
September 25	H. Dahl, furniture for president's residence.....	77.00
September 25	O. J. Inlay, sand for library.....	75.63
September 25	Gibson & Graham, 1 refrigerator for president's residence.....	80.00
September 25	Johnson & Wyth Co., hardware for president's residence, library and repairs.....	40.98
September 25	Electric Appliance Co., electrical supplies.....	19.85
September 25	Pittsburg Plate Glass Co., glass.....	4.75
September 25	Atlas School Supply Co., 200 ft. slate blackboard.....	144.00
September 25	W. D. Allen Mfg. Co., hose for president's residence.....	30.74
September 25	Pittsburg Plate Glass Co., beveled plate for president's residence.....	21.88
September 27	Superintendent's pay roll, labor at usual rates, on library, president's residence, tunnel and cement work on greenhouse.....	418.57
October 2	Waterloo, Cedar Falls & Northern Ry. Co., freight on material for library.....	163.92
October 6	G. W. Clark, freight and drayage.....	11.30
October 11	Superintendent's pay roll, labor at usual rates, on library, president's residence and tunnel.....	425.23
October 13	Cedar Falls National Bank, sixth estimate on brick contract and ninth estimate on stone setting for library, on Arthur Watson contract.....	2,000.00
October 13	O. J. Inlay, sand for library and greenhouse.....	136.85
October 13	Waterloo, Cedar Falls & Northern Ry. Co., freight on 14,000 brick from Cedar Falls.....	58.65
October 13	Robinson Dry Goods Co., 1 rug for president's residence.....	4.12
October 13	C. A. Wise & Sons Co., supplies for president's residence, library and repairs.....	2,850.44
October 13	Johnson & Wyth Co., hardware for president's residence and library.....	315.10
October 13	Weart-Frisby Lumber Co., fencing.....	64.00
October 13	C. M. Berkley, hardware for president's residence.....	16.43
October 13	Pittsburg Plate Glass Co., glass.....	7.03
October 13	King Plumbing Co., electric fixtures for president's residence.....	312.80
October 13	Fort Dodge Brick & Tile Co., 30,000 brick for library.....	195.08
October 13	Fort Dodge Brick & Tile Co., 7,500 hollow blocks and 10,000 brick for library.....	301.89
October 13	B. F. Sturtevant Co., ventilating apparatus for library.....	1,905.54
October 19	Waterloo, Cedar Falls & Northern Ry. Co., freight on 30,000 brick from Cedar Falls.....	74.97
October 20	Electrical Appliance Co., electrical supplies.....	139.13
October 25	Superintendent's pay roll, labor at usual rates, on tunnel library.....	659.07
October 30	Pittsburg Plate Glass Co., 1 bevel plate mirror.....	11.19
October 30	Lussky, White & Coolidge, hardware for repairs.....	3.13
November 4	Lowe Bros. Co., paint.....	17.60
November 8	Superintendent's pay roll, labor at usual rates, on library, repairs and tunnel.....	416.80
November 10	Illinois Central Railroad Co., freight on 8,200 hollow blocks.....	73.80
November 10	Pittsburg Plate Glass Co., glass for president's residence.....	1.94
November 10	Arthur Watson, seventeenth estimate cut stone, tenth estimate setting stone, seventh estimate brick work, second estimate steel for library.....	3,285.00
November 11	Waterloo, Cedar Falls & Northern Ry. Co., freight on 13,000 hollow blocks and 40,000 brick for library from Cedar Falls.....	208.18
November 11	G. W. Clark, freight and drayage.....	19.85
November 11	H. E. Olbrich, iron work library and repairs.....	33.05
November 11	C. A. Wise & Sons Co., material for library.....	395.53
November 11	Geo. E. Wack, 1 vacuum cleaner.....	67.50
November 11	Geo. E. Wack, parts for cleaner.....	2.50
November 11	Johnson & Wyth Co., radiation in library.....	915.82
November 11	Johnson & Wyth Co., hardware for library.....	65.36
November 11	Johnston Bros. Clay Works, 8,200 hollow blocks.....	234.36
November 11	J. T. Ryerson & Son, iron for library.....	14.68
November 11	Fort Dodge Brick & Tile Co., 4,000 brick, 13,000 hollow blocks for library.....	671.82
November 11	C. M. Berkley, hardware for president's residence.....	3.66

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
November 13..	Budgett Clock Co., 7 clocks.....	64.00
	St. Louis Brass Mfg. Co., repairs.....	1.30
November 22..	Superintendent's pay roll, labor at usual rates, on painting, library and repairs.....	402.28
November 23..	Arthur Watson, third estimate setting steel on library.....	600.00
November 26..	Electric Appliance Co., material.....	8.12
	Trussard & Merrill Co., pipe and fittings for library.....	459.08
December 2..	Trussed Concrete Steel Co., iron for library.....	36.88
	Morrison & Kretschmer Mfg. Co., 1 cast ell.....	2.00
December 6..	Superintendent's pay roll, labor at usual rates, on library repairs.....	680.88
December 14..	H. E. Gibrich, supplies.....	8.25
	Townsend & Merrill Co., lumber for library, repairs and president's residence.....	1,112.82
	Robinson Dry Goods Co., equipment for president's resi- dence.....	50.60
	Johnson & Wyth Co., hardware.....	14.02
	O. J. Inlay, sand for library.....	210.80
	St. Louis Brass Mfg. Co., switch plates.....	5.90
	G. W. Clark, freight and drayage.....	49.25
December 20..	Superintendent's pay roll, labor at usual rates, on library.....	71.23
	Houghtaling & Gillam, rubble rock for tunnel to library.....	210.54
	Houghtaling & Gillam, crushed rock for library.....	484.50
	Trussed Concrete Steel Co., iron.....	30.41
	Electric Appliance Co., supplies.....	56
	C. G. Hipwell, estimate on library roof.....	2,700.00
	Eclipse Prism Co., 4 lights.....	20.17
	Johnson Service Co., installing thermostat system in president's residence.....	400.00
	J. T. Ryerson & Son, iron.....	2.80
	Chase & West, furnishings president's residence.....	8.05
	Mrs. H. H. Seeley, curtain goods.....	15.14
	H. Dahl, equipment president's residence.....	275.50
	Kretschmer Mfg. Co., fittings for library.....	65.21
1910		
January 3..	Superintendent's pay roll, labor at usual rates, on library and repairs, electric and cement floors.....	102.72
	Pittsburgh Plate Glass Co., glass for storm windows.....	25.53
January 14..	Kretschmer Mfg. Co., fittings for boiler room.....	61.43
	Waterloo Electric Supply Co., repairs for president's residence.....	3.40
	St. Louis Brass Co., supplies for president's resi- dence.....	18.35
	Lusk, White & Coolidge, glazier points for library.....	.99
	Robinson Dry Goods Co., rugs for equipment presi- dent's residence.....	21.94
	G. W. Clark, freight and drayage.....	11.40
January 17..	Townsend & Merrill Co., sash for library building.....	467.97
	C. A. Wise & Sons Co., material for buildings.....	636.46
January 22..	Superintendent's pay roll, labor at usual rates, on library and repairs, setting boilers.....	175.30
	Pittsburgh Plate Glass Co., plate glass for library build- ing.....	235.52
January 25..	J. Andrie & Sons Co., electrical goods.....	467.97
January 31..	Superintendent's pay roll, labor at usual rates, on library and repairs on North Hall.....	227.11
February 8..	Kretschmer Mfg. Co., pipe and fittings.....	467.97
February 11..	J. T. Ryerson & Son, iron for library.....	292.15
	Runde-Spencer Mfg. Co.....	82.99
	W. P. Shorthill Co., metal for library.....	214.90
	Waterloo Elec. Supply Co., wire for repairs.....	11.01
February 12..	O. J. Inlay, sand for library building.....	187.70
February 15..	Superintendent's pay roll, labor at usual rates, on library and repairs on North Hall.....	227.11
	H. Dahl, equipment for president's residence.....	156.95
	G. W. Clark, freight and drayage.....	15.30
	W. C. F. & N. Ry., freight on electrical goods, and on Ryerson iron.....	88.45
	Weart-Frisby Lumber Co., wire fence for library.....	32.90

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
February 28..	Superintendent's pay roll, labor at usual rates, on library and painting hall in auditorium building.....	286.99
	Pittsburgh Plate Glass Co., glass for greenhouse.....	4.02
March 2..	Kretschmer Mfg. Co., pipe and fittings for library.....	105.03
March 12..	Kretschmer Mfg. Co., pipe for library.....	75.45
March 14..	Lowie Bros. Co., paint and varnish.....	21.50
	Superintendent's pay roll, labor at usual rates, on library, painting Society Hall and Old Bldg.....	411.33
	G. W. Clark, freight and drayage.....	9.33
	Johnson & Wyth Co., nails and wire for library.....	30.35
	H. Dahl, equipment for president's residence.....	32.00
March 19..	Kretschmer Mfg. Co., pipe fittings for library.....	4.87
	Electric Appliance Co., fixtures.....	5.50
March 25..	Pittsburgh Plate Glass Co., glass for repairs.....	8.56
March 28..	Superintendent's pay roll, labor at usual rates, on library.....	557.87
April 1..	Kretschmer Mfg. Co., fittings for library.....	41.64
April 7..	Kretschmer Mfg. Co., black pipe for library.....	15.16
April 11..	Superintendent's pay roll, labor at usual rates, on library building.....	810.94
April 12..	Cedar Falls National Bank, payment on Arthur Watson cut stone contract.....	2,000.00
April 14..	O. J. Inlay, sand for library.....	25.50
	Waterloo Elec. Supply Co., 12 union boxes for library building.....	2.70
	H. M. Hooker, petrifax cement stain, repairs Science building.....	1.71
	J. T. Ryerson, 3 bundles mild steel for library.....	94.80
	Johnson Service Co., repairs.....	94.80
	Kretschmer Mfg. Co., fittings for library.....	1.17
	Johnson Service Co., first estimate on library.....	800.00
	G. W. Clark, freight and drayage.....	30.65
	Townsend & Merrill Co., pipe and lumber for library.....	87.87
	Johnson & Wyth Co., hardware for library.....	17.00
April 25..	Superintendent's pay roll, labor at usual rates, on library building.....	51.28
May 6..	Superintendent's pay roll, labor at usual rates, on library building.....	807.39
	Bedar Cons. Co., wire mesh for library.....	831.39
May 10..	J. T. Ryerson & Son, iron.....	27.47
May 12..	C. G. Hipwell, second estimate on contract for roofing library building.....	2,500.00
	Moline & Lawson, stone.....	10.78
	Central Elec. Co., snap switches.....	6.95
	Electric Appliance Co., indicating switches.....	7.50
	C. A. Wise & Sons Co., material for different depart- ments.....	807.78
	G. W. Clark, freight and drayage.....	10.60
	H. Dahl, equipment for president's residence.....	182.60
	Townsend & Merrill Co., lumber.....	703.96
	O. J. Inlay, sand for library.....	45.25
May 12..	G. W. Clark, freight and drayage.....	8.20
	H. E. Gibrich, iron work and material.....	14.47
	Johnson & Wyth Co., hardware.....	32.50
	Robinson Dry Goods Co., carpet pieces.....	1.50
May 19..	Kretschmer Mfg. Co., fixtures.....	488.15
May 23..	Superintendent's pay roll, labor at usual rates, on library building.....	841.00
May 26..	C. G. Hipwell, third estimate on contract for roofing library building.....	1,000.00
May 27..	Kretschmer Mfg. Co., Jenkins glove valves.....	81.86
June 2..	Kretschmer Mfg. Co., fixtures for library bldg.....	50.64
June 4..	McMillan & Son, payment on Watson contract.....	1,600.00
June 6..	Superintendent's pay roll, labor at usual rates, on library building, and hauling plaster.....	849.01
June 14..	Cedar Falls National Bank, payment on Arthur Wat- son contract for furnishing cut stone.....	500.00
June 16..	Pittsburgh Plate Glass Co., glass for repairs.....	9.60

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
June 16	O. J. Imray, sand for library building.....	106.60
	Johnson & Wyth Co., material for library.....	19.60
	Robinson Dry Goods Co., carpet for plasterers in library.....	1.78
	G. W. Clark, freight and drayage.....	10.90
June 17	C. A. Wise & Sons Co., material for library.....	582.50
June 20	Superintendent's pay roll, labor at usual rates, on library.....	788.73
June 30	G. E. Palmer, wages 12 months as steam fitter.....	900.00
	M. T. Coleman, wages 12 months as plumber.....	900.00
	E. L. Sibert, wages 5 months and 1 day as helper.....	302.30
	H. C. Harmon, wages two months as helper.....	120.00
	Henry M. Barnes, wages two months as helper.....	120.00
	Total.....	\$ 61,384.44
	Total for two years.....	\$ 132,798.26

LIBRARY FUND.

July 1908 1	A. C. McClurg, books for the library.....	\$ 106.66
	Macmillan Co., Vol. 4 S. & L. Biography.....	4.25
	Wm. G. Johnston & Co., 16 magazine holders.....	12.60
July 23	Scott, Foresman & Co., 25 copies Last of Mohicans.....	8.75
	Irving Squire Co., Vols. 5 and 6 Music.....	7.00
	Macmillan Co., subscription Physical Review 1 1/2 years., Vol. 5 S. & L. Biography, Vol. 3, Bailey's Agriculture University Publishing Co., one copy Essentials of Reading.....	16.75
	Tabbard Inn Book Co., two books.....	1.00
	Judge Co., subscription to Leslie's one year.....	2.85
	National Geographic Society, subscription to magazine one year.....	4.00
	Library Bureau, 500 cards.....	2.50
	Open Court Publishing Co., subscription to Monist one year.....	.77
	Dr. J. M. Coulter, Membership Association for Advancement of Science for year 1908.....	2.00
	A. C. McClurg & Co., list of books.....	3.00
	Freidenker Publishing Co., 14 copies Mind and Body.....	115.81
	Bradner, Smith & Co., 27 sheets mounting paper.....	1.40
July 26	Express on books for library, membership fee National Society Industrial Education, Librarian of Congress, for catalog cards.....	1.49
	Subscription News Co., subscriptions to periodicals.....	13.58
September 5	E. O. Hovey, Vol. 18 Geological bulletin.....	41.90
	Wartburg Publishing House, binding books.....	5.00
	American Journal of Physiology, Vol. 23.....	155.60
	A. H. Clark Co., Robertson's Philippine Bibliography.....	5.00
September 14	Gertrude Stiles, 1 mending kit.....	10.00
September 17	A. C. McClurg & Co., list of books.....	2.00
	Scribners, books for library.....	130.81
	Catholic World, subscription to Catholic World Press, 15 months.....	5.73
	Pearson Bros., subscription to Speaker one year.....	3.75
September 22	Library Bureau, 2 gr. L. B. pens No. 3.....	1.50
	A. C. McClurg & Co., Cooper Fjords painted and described.....	2.10
	Irving Squire Co., 2 vols. Encyc. of Music.....	2.49
	Scholey Novelty Co., files.....	7.00
October 8	Subscription News Co., subscriptions to periodicals.....	2.00
	Mushroom Publishing Co., Hard's Mushroom book.....	48.12
	E. D. Griswold, list of books.....	3.50
	A. H. Clarke Co., Clarke's Oregon, 2 vols.....	15.00
		4.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1908		
October 8	Ginn & Co., 12 copies Millikan & Gale Laboratory Manual.....	4.80
	Moody Manual Co., subscription to Moody Manual Service, 1 year.....	10.00
	John G. Coulter, 5 sets Practical Nature Study.....	3.00
	Subscription News Co., subscription to English History Review, 1 year.....	4.80
October 15	A. C. McClurg & Co., list of books.....	43.56
	A. L. A. Publishing Board, card sets.....	9.03
October 21	A. C. McClurg & Co., list of books.....	54.45
	Library Bureau, white cards.....	25.15
	Riley O. Johnson, 10 copies 100 Experiments in Elementary Agriculture for California schools.....	3.00
October 28	Little, Brown & Co., 1 copy Power Through Repose.....	.74
	A. C. McClurg & Co., list of books.....	56.40
	H. Schultz & Co., book covers.....	5.00
	Macmillan Co., 1 copy vols. 6, 7 and 8 of S. & L. Biography.....	12.75
November 5	Chas. Schibner's Sons, 1 copy Catchpool on Sound and School Directory.....	1.30
	American Educational Co., 1 copy Patterson's College and School Directory.....	3.50
November 11	Wartburg Publishing House, binding books.....	78.28
November 16	L. O. Howard, membership Association for Advancement of Science for the year 1909.....	3.00
November 17	H. W. Wilson Co., fiction catalog.....	.25
	A. C. McClurg Co., list of books.....	92.74
	Library Bureau, book supports, label holders, cards.....	43.45
	Macmillan Co., 6 Dutton & Snedden Administration of Public Education.....	9.00
	Gruniaux News & Subscription Co., subscriptions to periodicals.....	108.45
	A. L. A. Publishing Board, 1 copy A. L. A. catalog rules and 1 copy Small library buildings.....	1.89
November 25	H. W. Wilson Co., list of books.....	32.90
	American Art Manual, 1 copy Art Education in Public Schools of the United States.....	3.50
November 27	Express on library books.....	7.05
	Supt. of Documents.....	88.18
	National Civic Federation.....	.23
	Subscription "Far East".....	3.00
	C. C. Chattel, golf guide.....	2.08
	One copy American Gymnasia.....	.12
	Two copies School Arts Book.....	.20
	Class-Asso-Mid West and South.....	2.03
	U. S. Geological Survey.....	7.58
	One copy Cosmopolitan.....	.19
	National Geographic Society.....	.75
	Mending tissue.....	1.00
	Leubrie & Elkins, catalogue.....	.06
	Florence Publishing Co.....	.15
	Classical Weekly, 2 vols.....	2.00
	Adsit's Sense Training.....	.40
December 9	A. C. McClurg & Co., list of books.....	89.97
	H. H. Ballard, binders.....	1.58
	Charities Publishing Co., 6 copies Medical Inspection of Schools.....	6.00
	A. L. A. Publishing Board, 1 subscription to A. L. A. book list for year ending December, 1909.....	1.00
	R. Appleton Co., Vol. 4 Catholic Encyclopaedia.....	8.00
	A. H. Clark Co., Merrick, Old Times on Upper Mississippi.....	3.15
December 10	Macmillan Co., 10 copies Snedden & Dutton—Administration of Public Education.....	14.00
	A. C. McClurg & Co., list of books.....	90.49
December 21	Cross & Co., pads.....	1.25
December 22	Southern Educational Association, 7 vols. proceedings.....	14.00
December 23	Dennison Mfg. Co., labels.....	.60
	F. B. Pratt, annual dues to National Society for promotion of Industrial Education.....	2.00
	American School of Home Economics, 12 vols. Library of Home Economics.....	14.40
	Prang Educational Co., three copies Art Education for High Schools.....	3.28
	A. C. McClurg & Co., list of books.....	108.08

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
January 6	H. E. Bierly, subscription to 6 vols. Southern Educational Review.....	10.00
	A. C. McClurg & Co., list of books.....	24.56
	Peabody Institute, 1 copy Peabody catalog.....	33.00
	Irving Squire Co., Vols. 9 and 10 Music.....	7.00
	National Educational Association, membership fee July 1, 1908, to June 30, 1909, one copy Cleveland volume of Proceedings.....	2.00
	Gaylord Bros., 150 binders.....	6.20
	Library Bureau, pads.....	1.50
January 18	Houghton Mifflin & Co., Cole's Accounts.....	1.87
	National Society for Scientific Study of Education, membership dues for year ending December 31, 1909.....	3.00
	Boston Book Co., subscription to two copies Bulletin of Bibliography, year 1909.....	1.00
	American Peace Society, subscription to Advocate of Peace for year 1910.....	1.00
	A. C. McClurg & Co., list of books.....	197.98
	H. W. Wilson Co., subscriptions to periodicals.....	23.00
	LeFebure Ledger Co., binding books.....	6.80
January 25	Hinds, Noble & Eldredge, 6 copies Pub. Sch. Relationships.....	4.80
	A. C. McClurg & Co., list of books.....	21.06
	Ward Bros., binders.....	8.90
	Thomas Charles Co., two copies Mother Play.....	2.40
February 5	Callaghan & Co., Trade & Labor Combinations, 1 vol.....	3.50
	A. C. McClurg & Co., 2 and 3 Moliere, Ridway Commercial Geography, Adams Commercial Geography.....	4.17
	Grumiaux News & Subscription Co., subscriptions to periodicals.....	2.95
	A. Abernathy, History Iowa Baptist Schools.....	1.36
February 8	C. A. Wise & Sons Co., 1 set, 2 vols. Buckley's Methodism.....	2.50
February 12	American Economic Association, Government by Injunction.....	.54
	J. H. Shults, subscription to Kindergarten-Primary Magazine.....	1.00
	Little, Brown & Co., 2 vols. spelling on injunction.....	12.00
	Journal of Infectious Diseases, 1 copy Water Analysis.....	1.25
	Keramic Studio Publishing Co., 1 year's subscription to Palette and Bench.....	4.00
February 18	Dennison Mfg. Co., 5,000 gummed labels.....	1.00
	Philadelphia Magazine Depot, subscriptions to magazines.....	65.50
	Democrat Printing Co., Book on Guaranty of Bank Deposits.....	.25
	A. C. McClurg & Co., list of books.....	137.27
February 22	G. W. Clark, freight and drayage on books for library.....	13.85
February 24	Carnegie Institution, Hand-book of Learned Societies and Institutions.....	4.00
	Western Musical Herald Co., one year's subscription to Western Musical Herald.....	1.00
	Dial Co., 1 year's subscription to The Dial.....	2.00
	Midwestern Magazine Co., subscription to the Midwestern magazine for one year.....	1.00
	W. H. Hartman Co., subscription to Waterloo Courier for one year.....	3.00
March 4	Grumiaux News & Subscriptions Co., subscription to Die Woche for one year.....	3.70
	Ward Bros., binding books.....	149.42
	O. G. Waffle, International Special Dictionary.....	9.60
	Boston Book Co., magazine index.....	3.25
	Burrows Bros. Co., Vol. 5 Avery's United States.....	6.25
	G. P. Putnam's Sons, Vol. 3 Cambridge History English Literature.....	2.25
March 6	G. W. Clark, freight and drayage.....	6.60
March 11	Express on books for library.....	11.05
	Subscriptions to periodicals and single copies of same.....	22.23
	Librarian of Congress, cards for library.....	10.08
March 15	Boston Book Co., Blackwood's & Putnam's magazines.....	72.50
	A. C. McClurg & Co., list of books.....	72.44
March 18	Danish Book Concern, binding books.....	8.50
March 20	G. W. Clark, freight and drayage on books for library.....	8.05

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1909		
March 26	Boston Book Co., 80 vols. Lippincott's magazine.....	58.00
	Macmillan Co., vols. 9-13 Dictionary National Biography.....	21.25
	A. C. McClurg & Co., list of books.....	64.39
	Music Teachers' National Association, Annual Proceedings.....	1.00
	Hub Magazine Co., 13 vols. Harper's Bazaar and American Magazine.....	12.75
	F. E. Stevens Co., 1 copy Black Hawk War.....	3.22
	Bradner, Smith & Co., paper.....	7.43
	A. H. Clark Co., Ray, Repeal of Missouri Compromise.....	3.15
March 27	G. W. Clark, freight and drayage on library books.....	1.40
April 2	Buffton Book Co., Webster's Universal Dictionary.....	12.50
April 3	A. C. McClurg & Co., list of books.....	70.26
	Grumiaux News and Subscription Co., subscriptions to periodicals.....	12.60
	J. A. Burlingame, Vol. 8 Madison.....	5.00
	Macmillan & Co., Vol. 4 Agriculture.....	5.00
	Library Bureau, one Automatic numbering machine.....	14.00
	National Conference Charities, 1 copy 1908 proceedings.....	1.60
	G. W. Clark, freight and drayage on library books.....	7.15
April 10	Boston Book Co., Edinburg Review, vols. 1-192, 6 index vols., (v. 1-170).....	145.00
April 12	A. L. A. Publishing Board, cards.....	2.00
	Banks Law Publishing Co., 210 vols. U. S. Reports.....	2.75
	Carnegie Library, children's catalog.....	1.00
	G. W. Clark, freight and drayage.....	1.27
April 17	A. C. McClurg & Co., list of books.....	72.40
April 22	Macmillan Co., 1 Dictionary National Biography.....	4.25
	A. C. McClurg & Co., 2 Columbia Dictionary Stands.....	9.50
	C. E. Sprague, 6 copies Philosophy of Accounts.....	12.00
	Ward Bros., binding books.....	12.09
	Publishers Weekly, 1 Annual Literary Index.....	5.00
April 24	G. W. Clark, freight and drayage on library books.....	2.00
May 5	Pamphlets N. Y. Nat. Hist. Museum, subscription Journal Am. History Museum.....	3.98
May 6	Charles Scribner's Sons, list of books.....	10.15
	Geological Society of America, Vol. 19, bulletin.....	5.00
	H. R. Hunting Co., list of books.....	10.50
	Tabard Inn Book Co., list of books.....	2.11
	Empire Publishing Co., 1 set of Trial of Jesus.....	5.00
	Columbia University Book Store, 1 copy bound lectures.....	5.27
	D. Appleton & Co., 1 set Ebers.....	16.00
	Grumiaux News & Subscription Co., subscriptions to School Music Review and Musical Times.....	1.60
	Teachers College, list of books.....	16.40
	A. C. McClurg & Co., two Harrison's In Storyland, 1 Symonds Cities.....	4.11
May 8	G. W. Clark, freight and drayage on library books.....	6.70
May 12	DeBower Elliott Co., list of books.....	62.75
May 20	Houghton Mifflin & Co., 1 set Aldrick books.....	17.50
	Journal of School Music, 1 year's subscription to Journal of School Music.....	1.50
	Macmillan Co., Vol. 15 Dict. Nat. Biography.....	4.25
	Boston Book Co., list of books.....	151.00
May 27	A. C. McClurg & Co., list of books.....	89.81
	Elm Tree Press, Course of Study for Normal School Pupils in Use of Library.....	.75
June 5	G. W. Clark, freight and drayage on library books.....	5.20
June 12	G. W. Clark, freight and drayage on library books.....	3.80
June 17	Bowman & Crossley, 6 copies book on corn.....	15.00
	H. H. Ballard, clips.....	5.00
	Grumiaux News & Subscription Co., subscriptions to periodicals.....	13.85
	A. H. Clark Co., Aaron Burr.....	1.80
	Gaylord Bros., binders.....	2.00
	Ward Bros., binding books.....	116.12
	P. F. Collier & Son, 61 vols. World's Greatest Lit.....	88.40
	Torch Press, Iowa the First Free State.....	.75
	Thomas Charles Co., list of books.....	2.30
	W. H. Lowdermilk & Co., 18 vols. U. S. Statutes at Large.....	42.00
	F. A. Lasher & Co., 1 set Japan, 1 set Edmund Burke.....	26.60
	D. M. Norton, Freehand Perspective and Sketching.....	2.50

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
June 1909	R. Appleton Co., Vol. V, Catholic Encyclopedia.....	8.00
	A. C. McClurg & Co., list of books.....	42.37
	Macmillan Co., Dict., National Biography Vol. 18.....	1.75
	C. K. Reed, 2 bird guides.....	.48
June 1909	M. M. Gingles, Lessons in Garment Drafting.....	2.75
	G. W. Clark, freight and drayage on library books.....	44.67
June 26	A. C. McClurg & Co., list of books.....	98.06
	Northwestern Stamp Works, stamps.....	29.60
	Library Bureau, cards and pamphlet books.....	201.50
	W. S. Houghton, magazines.....	4.25
June 26	G. W. Clark, freight and drayage on library books.....	119.79
June 29	Paid out for express, subscriptions and books.....	\$ 4,821.54
July 17	G. W. Clark, freight and drayage.....	10.40
July 23	Boston Book Co., list of books.....	81.00
	Grumman News & Subscription Co., subscriptions to periodicals.....	14.35
	Henry E. Porter, list of books.....	179.00
	A. H. Clark Co., Holman, Dr. John McLoughlin.....	2.25
	Macmillan Co., 1 rhetoric, 1 S. & L. dict. Vol. 17.....	5.35
	A. C. McClurg & Co., list of books.....	68.88
	Supt. of Documents, 9 consular reports.....	1.50
July 31	G. W. Clark, freight and drayage.....	.48
August 11	G. W. Clark, freight and drayage.....	1.30
September 2	G. W. Clark, freight and drayage.....	12.10
September 4	Waldorf Bindery Co., binding books.....	28.80
	Macmillan Co., 1 S. & L. Blog. Vol. 18.....	4.25
	Ward Bros., binding 4 files.....	10.00
	MacArthur Co., 1 copy March's Thesaurus.....	16.50
	American Journal of Physiology, subscription Vols. XXIV, XXV.....	10.00
	Julius Kuhlman, magazines.....	2.50
	Boston Book Co., 170 vols. Westminster Review.....	300.00
	W. S. Houghton, 3 vols. Living Age.....	3.00
September 23	International Bureau of American Republics, hand-book of Chile.....	1.00
	American Library Association, Guide to reference books.....	1.61
	Houghton, Mifflin & Co., 15 McClurg's How to Study.....	15.00
	Houghton, Mifflin & Co., 50 copies Teaching Children How to Study.....	24.00
	Macmillan Co., list of books.....	3.25
	A. C. McClurg & Co., list of books.....	19.94
	Charities Publishing Co., 1 copy of Laggard's in Our Schools.....	1.50
	Bates Mfg. Co., two bottles ink.....	.64
October 6	G. W. Clark, freight and drayage.....	1.00
October 14	Joe L. Healy, Underwood accessories and views.....	195.10
	Librarian of Congress, catalog cards.....	10.00
	F. A. Bassette Co., 1 year's subscription to Hygiene and Physical Education.....	2.00
	Mckinley Publishing Co., subscription to History Teacher Magazine.....	1.00
	Ward Bros., binding books.....	168.67
	Grumman News & Subscription Co., subscriptions to periodicals.....	227.40
	A. C. McClurg & Co., 12 copies of Caldwell & P. Source History of S.....	15.87
	A. C. McClurg & Co., list of books.....	51.35
	A. C. McClurg & Co., list of books.....	189.00
	H. Williams, list of books.....	4.00
	Macmillan Co., 1 copy Diet. Nat. Biog., vol. 20.....	4.25
	A. H. Clark & Co., 7 vols. Bishop England's Works.....	27.00
	Classical Association of the Middle West and South, dues for year 1909-1910, including subscription to Classical Journal.....	3.00
	World Book Co., list of books.....	4.05
	Banks Law Publishing Co., U. S. report, Vol. 12.....	2.02
	Bankers Magazine.....	5.70
November 18	G. W. Clark, freight and drayage.....	5.10

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
November 13	1909	
	Purrows Bros. Co., 1 copy Avery's U. S. Vol. 6.....	6.25
	A. C. McClurg & Co., list of books.....	180.75
	Lexington Bookings, list of books.....	.35
	State Normal College, Michigan, subscription to West ern Journal of Education for the year 1910.....	1.00
	Register & Leader, 15 copies Register & Leader.....	2.40
	John Grant, list of books.....	2.40
	Industrial Press, 12 reference books.....	30.00
	C. Hixenbaugh & Co., 25 vols. History of Nations.....	0.00
	C. L. Himebaugh, Irish fairy tales.....	.56
	Supt. of Documents, lists of books.....	17.10
	Resolving Law Journal for year 1909.....	4.00
	Williams & Wilkins Publishing Co., 1 subscription to Journal of Educational Psychology.....	1.50
	R. B. Huntington Co., list of books.....	11.19
	Municipal Publishing Co., 6 copies The City Hall to Jan. 1909.....	12.00
	I. R. Anderson Co., list of books.....	1.00
	Wm. E. Jones, pamphlet Iowa Debates.....	1.00
	Dunston Mfg. Co., supplies.....	1.05
	Boston Book Co., 21 vols. Bookman.....	18.00
	H. W. Wilson Co., books.....	25.27
	Express, books, subscriptions and postal cards.....	25.27
November 22	Charities Publishing Co., 1 copy Laggard's in Our Schools.....	1.50
	A. C. McClurg & Co., 3 doz. paper knives.....	.47
November 26	Queen City Paper Co., 1 can Stickle.....	.72
December 9	Macmillan Co., 15 Dutton & Sneed's School Administration.....	3.25
December 14	G. W. Clark, freight and drayage.....	2.35
December 15	Supt. of documents, list of books.....	2.50
	A. W. Elson & Co., 23 Elson prints.....	2.30
	C. N. Caspar Co., Vol. 6 Britannica.....	5.00
	Macmillan Co., 15 Dutton & Sneed's School Administration.....	21.00
	H. W. Wilson Co., books and subscriptions.....	25.00
	Banks Law Publishing Co., U. S. report, Vol. 12.....	6.90
	American City Publishing Co., subscription 14 months for the American City.....	1.00
	The Sun, subscription 1910.....	5.40
	Waterloo Courier, subscription 1910.....	3.00
	Register & Leader, subscription 1910.....	4.80
	Midwestern Magazine, subscription 1910.....	1.20
	Boston Transcript Co., subscription 1910.....	3.00
	Boston Book Co., subscription 1910 to Bulletin of Bibliography.....	1.00
	Bulletin of International Bureau of American Republics—subscription 1910.....	2.00
	Tonne Co., subscription 1910.....	5.50
	St. Paul Pioneer Press, subscription for year 1910 to Morning Pioneer Press.....	3.00
	Manual Arts Press, subscription from Feb., 1910, to School Music, 42 copies School Music, bound.....	1.50
	Geo. P. Brown & Co., pictures.....	6.50
	Mathematics Teacher, subscriptions to Vols. I, II.....	2.00
	American School Board Journal, subscription year 1910, including Harris picture.....	1.00
	American Association for the Advancement of Science, annual dues for the year 1910, including Science Magazine.....	3.00
	Inter-Ocean Co., subscription Jan., 1910, to Jan. 1911.....	2.50
	Library Bureau, 1 Accession book.....	5.00
	Scott, Foresman & Co., 3 Talks on Drawing.....	4.25
	Macmillan Co., 1 copy Diet. Nat. Biog., Vol. 21.....	4.25
	Gaylord Bros., binders.....	15.39
	A. C. McClurg & Co., list of books.....	38.85
	Elmo Press, copy Lending and Receiving Books.....	.25
	A. L. A. Publishing Board, subscription to A. L. A. book list.....	1.00
	Record-Herald, subscription 1910.....	4.50
	J. A. Burlingame & Co., Pig-tarch—10 vols.....	33.25
	Robert Appleton Co., 1 copy Vol. VI., Catholic Encyclopedia.....	8.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
January 11	Supt. Documents, list of books	9.05
January 14	Iowa Normal Monthly, 3 years subscription to Iowa Normal Monthly	3.00
	National Conference of Charities, 1 vol. Conference Proceedings 1909	1.60
	A. H. Clark Co., Vols. 1 and 2, Documentary History American Industrial Society	8.00
	Union Library Association, list of books	20.64
	Macmillan Co., one S. & L. Dict., Vol. 22	4.25
	Bradner, Smith & Co., camera mounts	7.08
	Playground Association of America, pamphlets	.65
	A. C. McClurg & Co., list of books	205.41
	G. W. Clark, freight and drayage	3.80
February 11	Nat. Society, for Science Study of Education	2.00
	Nat'l Educational Assoc., dues and proceedings	2.00
	C. L. Himebaugh, Gauss Am. Government	1.70
	Elm Tree Press, Administration of Lending Dept.	.25
	American City Pub. Co., 1 1939 Am. City	1.00
	Grumiaux News and Sub. Co., subscriptions	.85
	The Davis Press, sub. to The School Arts Book	1.50
	H. W. Wilson Co., Harper's Monthly for library	1.25
	G. P. Putnam's Sons, 1 Cambridge History	2.25
	Am. Geographical Society, bulletin 1910	5.00
	Boston Book Co., magazines—School Arts Book	39.17
	Nat'l Society for the Promotion of Ind. Ed., subscription	2.00
	American Educational Co., 1 copy Patterson's School and College Directory	5.00
	Ward Bros., binding	132.03
	Western Musical Herald Co., subscription	1.00
	Wisconsin Free Library Commission, subscription	2.00
	P. C. Hayden, subscriptions to School Music	.75
	A. C. McClurg & Co., books for library	236.27
	Waldorf Bindery Co., binding	57.75
	Bradner, Smith & Co., paper	11.81
	John Grant, books for library	12.80
	Journal of Geography, subscription	1.00
February 14	Iowa Pub. Co. Atlas of Black Hawk county	15.00
	G. W. Clark, freight and drayage, library	6.95
March 11	Amounts paid out for library	14.27
March 12	Miss. Valley Historical Assoc., membership	3.00
	Register & Leader, single copies for library	.50
	Dennison Mfg. Co., fasteners	1.65
	Primary Education Co., subscription	1.25
	Ward Bros., binding	84.29
	A. C. McClurg & Co., books for library	84.23
	Library of Am. Museum of Natural History, subscription to Museum Journal	1.00
	American Journal of Physiology, subscription	5.00
	Boston Book Co., periodicals	21.75
	Library Bureau, 5,000 white cards	15.00
	Elm Tree Press, 1 copy Relations with the Public	.25
	W. S. Pratt, Ed. Proceedings	1.60
	School Science & Mathematics, 100 pamphlets	5.00
	Banking Law Journal, subscription	4.00
March 14	Jas. Clarke, Tres., books	34.20
	G. W. Clark, freight and drayage	2.55
April 14	Democrat Printing Co., shelf list cards	1.35
	A. C. McClurg & Co., books for library	186.42
	Wm. Abbott, books and subscriptions	32.00
	Ginn & Co., Plant Life for library	16.80
	Geo. A. Mullin Co., books for library	11.00
	D. Appleton Co., Catholic encyclopedia	8.00
	A. H. Clark Co., Doc. History	8.00
	The Torch Press, second-hand books	15.80
	Library of American Museum of Natural Hist., leaflets	.20
	American Home Economics association, dues	2.00
	Classical Asso. of the Atlantic States, subscription	1.00
	Macmillan Co., 1 book for library	1.00
	Library Bureau, pamphlet boxes	3.00
	Union Lib. Association, books	5.00
	American Hygiene Association, dues	3.00
	Psychological Review, subscriptions	4.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
April 14	A. C. Page, magazines	10.00
	G. W. Clark, freight and drayage	3.35
	Cross & Co., 4 books for library	6.40
May 2	Dodd, Mead & Co., book for library	4.00
May 12	Library Bureau, 2,000 Manila call slips	.50
	Thos. Charles Co., 3 books	2.20
	John Grant, books	4.40
	Supt. Documents, books	7.90
	Student Volunteer Movement for Foreign Missions, report of Rochester convention	1.00
	A. C. McClurg & Co., 1 book	1.31
	American Press, subscription to America	3.00
	A. H. Clark Co., 1 copy Paullin's Life of Commodore John Rodgers	3.60
	School Music, subscription 1 year	.50
	Special Libraries association, membership dues	2.85
May 13	G. W. Clark, freight and drayage	2.80
May 27	A. C. McClurg & Co., library books	96.13
June 15	Librarian of Congress, cards	10.00
	Democrat Printing Co., cards	2.08
	American Academy of Political Science, subscription to the Annals	4.00
	J. H. Shults, subscription	1.00
	John Davis, books for library	12.80
	Burrows Bros.' Co., 1 copy Avery's U. S.	6.25
	A. H. Clark Co., 2 books for library	8.00
	Howard Severance Co., 1 set Foundation Stones of Success	6.00
	A. C. McClurg & Co., books for library	325.80
	McKinley Pub. Co., subscription to H. T. M.	1.00
	T. C. Burgess Classical association, membership dues	2.00
June 16	G. W. Clark, freight and drayage	2.45
		\$ 4,260.46
	Total for two years	\$ 9,082.00

LIBRARIAN'S SALARY FUND.

To Whom Paid and For What Purpose	1908-1909 Amount	1909-1910 Amount
Ellen D. Biscoe, librarian	\$ 1,200.00	\$ 1,133.34
Mattie Fargo, cataloguer	833.75	825.00
Ethel L. Arey, assistant in library	820.00	810.00
Iva Huntley, assistant in library	610.00	630.00
Mabel Mastain, assistant in library	450.00	517.50
Bernice Davis, assistant in library	52.50	
Lillian Sharts, assistant in library		68.90
R. O. Bagby, assistant in library		15.20
Carrie Patton, assistant in library		95.00
	\$ 3,966.25	\$ 4,119.94
Total for two years		\$ 8,086.19

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

PAVING, WALKS AND IMPROVEMENT OF GROUNDS FUND.

Date	To Whom Paid and For What Purpose	Amount
1908		
July 20	Superintendent's pay roll, paving	50.23
July 22	Boone Brick, Tile & Paving Co., brick	87.95
September 2	O. J. Imlay, sand for drive	4.00
September 14	Superintendent's pay roll, 1 man at \$3.50 a day	5.25
September 21	O. J. Imlay, sand	5.50
November 9	Superintendent's pay roll, labor on drives	32.00
November 16	E. A. Randall, cement work	50.50
November 26	O. J. Imlay, sand	16.50
1909		
May 10	Superintendent's pay roll, cement work	7.20
May 22	O. J. Imlay, sand	105.00
May 24	Superintendent's pay roll, labor at usual rates	191.91
June 7	Superintendent's pay roll, labor	147.88
June 21	Superintendent's pay roll, labor	67.25
June 23	Townsend & Merrill Co., sewer pipe	17.48
July 6	Superintendent's pay roll, labor	196.27
July 19	Superintendent's pay roll, labor	68.75
July 23	Chicago Great Western Ry. Co., freight on brick	57.77
July 24	Boone Brick, Tile & Paving Co., brick	127.73
	O. J. Imlay, sand	23.45
	Johnson & Wyth Co., supplies	2.75
	C. A. Wise & Sons Co., curbing	144.50
July 28	O. J. Imlay, sand	21.20
August 4	Chicago Great Western Ry., freight on brick	33.01
August 9	W. C. F. & N. Ry., freight on brick	22.11
September 9	H. N. Silliman, credit millage fund	110.01
September 27	Superintendent's pay roll, labor on grounds	19.80
October 11	Superintendent's pay roll, labor on grounds	111.90
October 13	O. J. Imlay, sand	109.75
October 25	Superintendent's pay roll, cement work	4.00
November 8	Superintendent's pay roll, labor	55.20
December 14	O. J. Imlay, sand	28.40
1910		
May 9	Superintendent's pay roll, unloading brick	66.87
May 12	Chicago, Great Western Ry., freight on brick	238.45
	Boone Brick, Tile & Paving Co., brick	579.95
May 23	Superintendent's pay roll, hauling brick	66.23
June 6	Superintendent's pay roll, labor	58.17
June 11	Chicago, Great Western Ry. Co., freight brick	263.47
June 15	Boone Brick, Tile & Paving Co., brick	378.20
	Boone Brick, Tile & Paving Co., brick	335.77
June 16	O. J. Imlay, sand	6.80
June 17	Chicago, Great Western Ry. Co., freight on brick	30.76
June 20	Superintendent's pay roll, work on sidewalks	127.82
		\$ 4,030.75

HOSPITAL FUND.

1909		
December 2	Mrs. Annie M. Potter, matron at hospital, November	45.00
December 14	Mrs. Annie M. Potter, paid Mrs. Brown for laundry	8.52
	F. Z. Hale, milk tickets	2.00
	J. W. Jarnagin, printing	17.50
	Gibson & Graham, supplies for hospital	22.91
December 31	Mrs. Annie M. Potter, matron at hospital for December	45.00
1910		
January 14	Electric Appliance Co., material for repairs	1.28
	Gibson & Graham, supplies	30.82
	C. A. Wise & Sons Co., supplies	6.65
	Robinson Dry Goods Co., supplies	4.08
	Cedar Falls Ice Co., ice book	1.50
	Mrs. Niemeyer, nursing at hospital	7.00
	Mr. Crisman, milk	4.00
	Mrs. Ida Brown, laundering hospital linen	7.19
January 17	Mrs. A. M. Potter paid Adel Hansen as maid one week	4.00

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

Date	To Whom Paid and For What Purpose	Amount
1910		
January 24	Mrs. A. M. Potter paid Adel Hansen as maid one week	4.00
January 31	Mrs. A. M. Potter, matron at hospital	45.00
	Mrs. A. M. Potter paid Adel Hansen as maid one week	4.00
February 9	Mrs. A. M. Potter, paid maid one week	4.00
February 11	Sharp & Smith, record sheets	1.50
February 14	Johnson & Wyth Co., supplies	6.00
	Gibson & Graham, supplies	30.13
	H. L. Chase & Co., 2 bells	.60
	Weisbard Bros., chickens	1.40
	Ott Ice Cream Co., ice cream	.80
	W. H. Jefferson, bread for hospital	2.61
February 15	Mrs. Annie Potter, amounts paid out	1.85
	Mrs. Ida Brown, laundering	4.34
February 28	Mrs. Annie M. Potter, 3 weeks' wages for maid	12.00
	Mrs. Annie M. Potter, matron for February	50.00
March 11	Harner's Steam Laundry, laundering	9.59
March 14	C. M. Jennings, meat	15.98
	Ott Ice Cream Co., ice cream	1.50
	W. H. Jefferson, bread for hospital	2.93
	Gibson & Graham, supplies	39.32
	Johnson Wyth Co., supplies	4.00
March 19	Mrs. A. M. Potter, paid maid one week's wages	4.00
	Mrs. A. M. Potter, paid for supplies for hospital	2.30
March 31	Mrs. A. M. Potter, matron at hospital for March	50.00
April 14	Gibson & Graham, supplies	15.02
	Cedar Falls Ice Co., ice book	1.50
	F. M. Crisman, milk	4.00
April 30	Mrs. A. M. Potter, matron at hospital for April	50.00
May 4	Harner's steam laundry, laundering	5.94
May 13	Johnson & Wyth Co., supplies	2.85
	W. H. Jefferson, supplies	2.64
	C. A. Wise & Sons Co., supplies	7.60
	Gibson & Graham, supplies	12.75
	Mrs. A. M. Potter, paid for supplies	4.70
May 31	Mrs. A. M. Potter, matron at hospital for May	50.00
June 9	Mrs. A. M. Potter, paid maid 3 weeks' wages	12.00
June 16	C. M. Jennings, meat	8.21
	Gibson & Graham, supplies	25.00
	W. H. Jefferson, bread	2.74
	Wear-Frisby Co., ice books	7.50
	Robinson Dry Goods Co., curtains	3.40
	Ott Ice Cream Co., ice cream	.90
June 17	Mrs. Annie Potter, paid for supplies	3.05
June 25	Mrs. Annie Potter, matron at hospital for June	50.00
		\$ 775.90

SUMMER CONTINGENT FUND.

1908		
July 6	Normal Orchestra, concert	75.00
July 7	J. F. Hanly, lecture	200.00
July 20	Ralph Parlette, lecture	60.00
July 24	C. A. Fullerton, Minnesinger concert	75.00
September 30	H. N. Silliman, treasurer	5,375.00
1909		
June 13	Chas. W. Seymour, lectures	60.00
June 25	Ernest Gamble Concert Co., concert	200.00
July 2	Walter Howe, reading	100.00
July 16	H. N. Silliman, treasurer, transfer fund	6,114.61
	Dr. E. A. Ross, lecture	50.00
August 9	W. W. Crawford, work in laboratory	5.00
		\$ 12,314.61

ITEMIZED AND CLASSIFIED EXPENDITURES—CONTINUED.

COMMENCEMENT CONTINGENT FUND.

Date	To Whom Paid and For What Purpose	Amount
1908		
July 24	May L. Wright, filling diplomas.....	9.70
July 27	Amy Arey, examining papers.....	2.00
	Irma Keene, examining papers.....	7.00
December 9	May L. Wright, filling diplomas.....	4.00
1909		
January 2	Des Moines Normal Alumni association, banquet.....	50.00
January 7	Robinson Dry Goods Co., bunting.....	11.18
March 5	Bertha L. Patt, filling diplomas.....	1.90
March 19	Irma Keene, correcting papers.....	2.00
March 20	Iowa School Pub. Co., diplomas.....	270.30
June 7	H. C. Cummins, expenses Alumni reunion.....	150.00
June 9	Bertha L. Patt, filling diplomas.....	17.60
June 12	Robinson Dry Goods Co., ribbon, etc.....	48.14
June 14	Irma Keene, correcting exam. papers.....	10.00
July 22	Bertha L. Patt, filling diplomas.....	11.90
July 31	Amy Arey, correcting exam. papers.....	3.00
August 9	Laurel Book Co., diplomas.....	32.84
September 25	H. Dahl, rent of furniture.....	6.50
October 14	Laurel Book Co., diplomas.....	70.40
November 3	Alumni association, Des Moines, expenses.....	25.00
November 12	Lucy Plummer, conducting exam.....	8.00
	Mrs. C. S. Cory, conducting exam.....	8.00
December 14	Bertha L. Patt, filling diplomas.....	2.90
	Robinson Dry Goods Co., ribbon.....	1.50
1910		
March 29	Bertha L. Patt, writing diplomas.....	1.10
April 14	Robinson Dry Goods Co., ribbon.....	1.25
May 12	Laurel Book Co., diplomas.....	168.10
May 13	Robinson Dry Goods Co., ribbon.....	37.50
June 7	H. C. Cummins, treasurer Alumni association.....	150.00
June 16	Bertha L. Patt, filling diplomas.....	15.80
		\$ 1,127.61

STUDENTS' CONTINGENT FUND.

1908		
December 10	H. N. Silliman, transfer of funds.....	13,500.00
	H. N. Silliman, transfer of funds.....	4,000.00
1909		
June 23	H. N. Silliman, transfer of funds.....	983.33
	H. N. Silliman, transfer of funds.....	500.00
July 16	H. N. Silliman, transfer of funds.....	7,500.00
	H. N. Silliman, transfer of funds.....	300.00
November 22	H. N. Silliman, transfer of funds.....	6,000.00
1910		
May 28	H. N. Silliman, transfer of funds.....	4,000.00
		\$ 39,783.33

IOWA STATE TEACHERS' COLLEGE.

Cost of Printing by the State Printer for the Iowa State Teachers College,
Paid from Appropriation under Section 121 of the Code.

Date	For What Purpose	Amount
1909		
January 13	For printing 1,500 biennial reports—composition, \$49.72; presswork, \$15.00; express on cuts, \$0.35.....	\$ 65.07

Cost of Binding by the State Binder for the Iowa State Teachers College,
Paid from Appropriation under Section 121 of the Code.

Date	For What Purpose	Amount
1909		
January 21	Binding in paper 500 biennial reports.....	\$ 5.80
	Cutting leaves and pasting in inserts.....	22.49
		\$ 28.29

RECAPITULATION OF EXPENDITURES.

Teachers' Fund, salaries teachers.....	\$190,821.67
Contingent Fund, salaries employes.....	43,941.95
Contingent Fund, Supt's. department.....	15,594.55
Contingent Fund, department supplies.....	10,179.32
Contingent Fund, printing.....	4,099.76
Contingent Fund, advertising.....	1,314.76
Contingent Fund, fuel.....	17,063.27
Contingent Fund, office, telephone and telegraph.....	2,903.91
Summer Term Fund, salaries, teachers.....	27,727.50
Millage Fund.....	132,798.26
Library Fund.....	9,082.00
Librarians' Salary Fund.....	8,086.19
Paving, Walks and Improvement of Grounds Fund.....	4,060.75
Hospital Fund.....	775.20
Summer Contingent Fund.....	12,314.61
Commencement Contingent Fund.....	1,127.61
Students' Contingent Fund.....	39,783.33
	\$521,674.64
Printing by State Printer.....	65.07
Binding by State Binder.....	28.29
Total.....	\$521,768.00

IOWA STATE TEACHERS COLLEGE.

Statement of Receipts and Disbursements for the Biennial Period July 1, 1908, to June 30, 1910.

TEACHERS' FUND.

Balanced July 1, 1908.....		
Received from state appropriations.....	\$167,060.40	
Transferred from Students' Contingent Fund....	24,483.33	
Total disbursements	\$190,821.67	
Balance on hand June 30, 1910.....	722.06	
Total	\$191,543.73	\$191,543.73

CONTINGENT FUND.

Balance on hand July 1, 1908	\$ 4,487.23	
Received from state appropriations	75,236.22	
Transferred from Students' Contingent Fund....	15,000.00	
Sale of material	2,161.63	
Interest on general daily balance.....	560.07	
Received from School District No. 5.....	654.80	
Received from Ind. School Dis. of Cedar Falls...	4,938.19	
Total disbursements	\$ 95,097.52	
Balance on hand, June 30, 1910	7,940.62	
Total	\$103,038.14	\$103,038.14

SUMMER TERM FUND.

Balanced July 1, 1908.....		
Received from state appropriations.....	\$ 16,000.00	
Transferred from Summer Contingent Fund.....	11,489.61	
Transferred from Students' Contingent Fund....	300.00	
Total disbursements	\$ 27,727.50	
Balance on hand, June 30, 1910.....	62.11	
Total	\$ 27,789.61	\$ 27,789.61

MILLAGE FUND.

Balance on hand, July 1, 1908.....	\$ 2,425.58	
Received from state appropriations.....	136,500.00	
Refunds, freight and material.....	35.85	
Total disbursements	\$132,798.26	
Transfers from pavings and walks fund.....	110.04	
Balance on hand, June 30, 1910.....	6,273.21	
Total	\$139,071.47	\$139,071.47

LIBRARY FUND.

Balance on hand, July 1, 1908.....	\$ 2,453.76	
Received from state appropriations.....	10,000.00	
Received from fines and lost books.....	196.48	
Total disbursements	\$ 9,082.00	
Balance on hand, June 30, 1910.....	3,568.24	
Total	\$ 12,650.24	\$ 12,650.24

LIBRARIANS' SALARY FUND.

Balance on hand, July 1, 1908.....	\$ 946.93	
Received from state appropriations.....	9,000.00	
Total disbursements	\$ 8,086.19	
Balance on hand, June 30, 1910.....	1,860.74	
Total	\$ 9,946.93	\$ 9,946.93

PAVEMENT, WALKS AND IMPROVEMENT OF GROUNDS FUND.

Balance on hand, July 1, 1908.....	\$ 1,037.21	
Received from state appropriations.....	5,000.00	
Total disbursements	\$ 4,060.75	
Balance on hand, June 30, 1910.....	1,976.46	
Total	\$ 6,037.21	\$ 6,037.21

HOSPITAL FUND.

No balance, July 1, 1908.....		
Received from state appropriations.....	\$ 1,000.00	
Received from fees and bills paid.....	842.00	
Total disbursements	\$ 775.20	
Balance on hand, June 30, 1910.....	1,066.80	
Total	\$ 1,842.00	\$ 1,842.00

SUMMER CONTINGENT FUND.

Balance on hand, July 1, 1908.....	\$ 6,055.25	
Total fees collected	11,958.47	
Total disbursements	\$ 12,314.61	
Balance on hand, June 30, 1910.....	5,699.11	
Total	\$ 18,013.72	\$ 18,013.72

COMMENCEMENT CONTINGENT FUND.

Balance on hand July 1, 1908.....	\$ 315.91	
Total fees collected, including class play.....	1,751.12	
Total disbursements	\$ 1,127.61	
Balance on hand, June 30, 1910.....	939.42	
Total	\$ 2,067.03	\$ 2,067.03

STUDENTS' CONTINGENT FUND.

Balance on hand, July 1, 1908.....	\$ 16,737.60	
Total fees collected	33,753.00	
Total disbursements	\$ 39,783.33	
Balance on hand, June 30, 1910.....	10,707.27	
Total	\$ 50,490.60	\$ 50,490.60

IOWA STATE TEACHERS' COLLEGE.

Recapitulation of receipts and disbursements for the biennial period,
July 1, 1908, to June 30, 1910.

Funds	Disbursements	Receipts	Credit balance
Teachers' Fund.....	\$ 190,821.67	\$191,543.73	\$ 722.06
Contingent Fund.....	95,097.52	103,088.14	7,940.62
Summer Term Fund.....	27,727.50	27,789.61	62.11
Millage Fund.....	132,798.26	139,071.47	6,273.21
Library Fund.....	9,082.00	12,650.24	3,568.24
Librarians' Salary Fund.....	8,083.19	9,946.93	1,863.74
Paving, Walks and Improvement Fund.....	4,060.75	6,037.21	1,976.46
Hospital Fund.....	775.20	1,842.00	1,066.80
Summer Contingent Fund.....	12,314.61	18,013.72	5,699.11
Commencement Contingent Fund.....	1,127.61	2,067.03	939.42
Students' Contingent Fund.....	39,783.33	50,490.60	10,707.27
	\$ 521,674.61	\$ 562,490.68	\$ 40,816.04

Respectfully submitted,

LILIAN G. GOODWIN.

Secretary of the Iowa State Teachers College.

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