

MEETING OF MARCH 8, 1887.

The Board met at the University Parlor on Tuesday, March 8, 1887, at 4 p. m.

Present—Trustees Bennett, Cobb, Eisenmayer, McKay, McLean, Millard and Pearman.

Absent—Governor Oglesby, Trustees Dysart, Paden and Earle.

The minutes of last meeting were read and approved.

The Board then proceeded to the election of officers. The following were elected for one year: S. M. Millard, President of the Board; E. Snyder, Recording Secretary; T. J. Burrill, Corresponding Secretary. Executive Committee: S. M. Millard (*ex-officio*), E. Cobb and C. Bennett.

The following were elected for two years: Dr. S. H. Peabody, Regent; J. W. Bunn, Treasurer.

The questions of Regent's salary and Treasurer's bond were referred to the Finance Committee for report at this meeting.

The regent then read the following report, which was received for further consideration:

To the Trustees of the University of Illinois,

GENTLEMEN: In accordance with custom I present the following as a résumé of the educational and financial work of the University of Illinois, for the year ending March 1, 1887, accompanied with reports from the several professors in their various departments.

There is, however, and indeed there ought to be little change to be noted, as between the present condition of affairs and that one year ago reported. Stability is an important element in any enterprise of large and comprehensive character. Frequent and causeless changes should be deprecated. Of the work in general, it may be said that it has been marked with the regularity and the thoroughness which has hitherto been notable.

COLLEGE OF AGRICULTURE.

In the College of Agriculture these items may be worthy of note. Dr. McIntosh became Professor of Veterinary Science at the beginning of the year. His work continues to be efficient, and his classes have been well attended. The weekly clinic attracts a large number of the neighboring farmers, who bring animals for examination, prescription, and, if necessary, operations.

Professor Morrow has spent much time away from the University, in attendance upon Farmers' institutes held under direction of the officers of the State Board of Agriculture, and many neighborhood gatherings of an equally interesting and useful character. It is assumed that this work must serve a good purpose in the dissemination of information upon agricultural topics, and that it will create a larger interest in agricultural education, which, in turn, will reflect usefully upon the Agricultural College, and bring it larger number of recruits. One institute has been held at the University, and the attendance was very satisfactory.

The continued absence of the professor of agriculture could not be permitted, but for the assistance of Mr. Hunt, who has conducted the class work while Professor Morrow was away. Mr. Hunt has done this work in a manner creditable to himself and serviceable to the classes.

THE COLLEGE OF ENGINEERING.

A few changes in the order of subjects, and in their assignment to instructors were made necessary, in order that the work of the new school, that of mining engineering, could be arranged. This has given the instruction in analytical mechanics, formerly by Professor Baker, and in resistance of materials, formerly by myself, to Assistant Professor Talbot. Professor Baker takes the subject of topographical surveying, and has extended his course in bridge construction. The descriptive astronomy, formerly by Professor Baker, is assigned to Mr. Stratton.

The number of students in the course of mining engineering is not yet large, but is steadily increasing, and the whole of the curriculum in that school will soon be in operation. The class in physics has been divided, both on account of its numbers, and because the division permits a better adjustment of the work to the students of different courses or schools.

It is expected that when the additional electrical apparatus now provided for shall be received, we shall be able to block out a course of instruction in electrical engineering, which shall be an adjunct to the course of mechanical engineering, or an option which may take the place of part of it. It is hardly possible, or desirable to add it to either of our engineering courses, all which are already replete to overflowing with work.

It is an evident error to suppose that one student may become expert in all sciences. It is equally an error to expect that a young man of rural or of city training, coming to us at sixteen to twenty years, can in four short years, become master of all the intricacies of any of the engineering professions. It is a mistake often made by professors, earnest in the development of a specialty, which crowds too many subjects, often of mere detail, into an undergraduate course. The tendency is to a neglect of principles, to a confusion of ideas, and to a real weakening of the student, under the specious guise, of giving him greater stores of knowledge. Besides this the tendency is to allow technical studies to crowd out collateral work of general culture, fully as important to the proper development of the student, and which should by no means be overlooked.

Said a distinguished engineer at the Ann Arbor meeting of the American Association for the Advancement of Science: "Do not try to teach your students too many things. Ground them thoroughly in principles, and leave the details for future gathering." It is very probable, that any student who graduates from college, will find that he has to learn some new things, and some things anew, before he is exactly adjusted to the peculiar line of work that he finds for his employment.

In connection with this college, I am impelled to make some remarks, concerning the extended use of blue-print copies of drawings and lectures. This has come into use gradually, until now from 25,000 to 30,000 pages of blue-prints are made annually. There is great difference in the quality of the work done in preparing the sheets, many being very indistinctly printed. It serves a purpose, in that it brings the work of the teacher to his class in a *quasi*-text-book, and saves the pupil much time in taking and transcribing notes. The labor of preparing the copies on the part of the instructor is something, and has already come to be a matter of complaint; yet it cannot be so much as is required in preparing manuscript and reading the many proofs made in the preparation of a printed book. It appears to be the duty of an instructor to put his matter in such a shape that it can most readily be secured by his class.

But I am becoming more and more convinced, as the years pass, that the constant use of blue-print lectures is very deleterious to the eyes of the students. Year after year, students come with complaints of weak eyes, and many have been forced on this account to leave study temporarily and some permanently, on account of failure of eyesight, and almost always these students are from the schools which require a large use of the blue-print. I believe that some other form of manifolded lectures should be adopted. I do not know that any action by way of rule should be taken, but I feel under obligation to put myself on record in this matter.

THE COLLEGE OF NATURAL SCIENCE.

The most notable item concerning this college, is the effort now in progress to bring to the University the State Collection of Natural History, now in the State Capitol at Springfield. The movement to do so, originated with the State officials, especially the Secretary of State, the State Geologist, and the State House Commissioners. The Geological part of the collection is very much needed here, as we have very little to illustrate the geology of the State of Illinois. If the movement is not successful, it will be because of the local opposition which desires to keep the collections as part of the elegant attractions of the State Capitol.

In the subjects of zoölogy, biology, physiology, and geology, as taught in this college, noteworthy progress has been made, so that these subjects are acquiring a vigor and force comparable to the work of the college of engineers. This has been effected by the introduction of improved methods of work, aided by the better equipment for laboratory purposes. For a while yet, except in the school of chemistry, the attendance in the college of natural science will be small, and will be restricted to those for whom natural history offers peculiar attractions, and who expect to teach such subjects. The enlarged opportunities will doubtless gather gradually increased number of students.

THE COLLEGE OF LITERATURE AND SCIENCE.

To one who scans the whole range of work done at this institution, the conclusion seems unavoidable, that just here is the place where earnest and combined effort is now needed.

Without charging blame upon any one, and recognizing that the result is one mainly due to circumstances, which we have hitherto been but slightly able to control, it must be said that this department is now that which most needs to be built up. Among the causes of the existing condition of things, I count first:

That we have hitherto felt that we could not insist upon an adequate preparation of the kind needed as a foundation for the work of this school. The privilege, if it were such, of "making up" preparatory Latin, after admission to college, worked as a premium upon inefficiency, and lack of preparation. The old opinion, which is said to have existed, that the requirements for admission to this University were of the lowest, has most certainly lost its significance for all the other colleges, and students are becoming seriously afraid of our examinations and requirements. But the requirements for this school have been such that many persons have been admitted who were not fitted for strenuous college work, including a large proportion of the women admitted. In consequence, and particularly because of these unprepared women, the tendency on the part of instructors, has been to temper the rigour of their work to the feebleness of the lambs; to pass them in low grades; to lighten the work; to discriminate between the same subjects as given for example to the engineers and to the literary students; as in trigonometry, physics, chemistry, geology, &c. &c. It is true that the *scope* of a subject as presented to a class of literary students in a single term, should be quite different from that presented to a class of scientific students in a series of terms; but it is now urged that the *force* of the work should in no respect be diminished, and yet it has seemed impossible, from the nature of things that this should be otherwise.

The stronger students who seek literary courses are often attracted to other colleges which have acquired a more distinctively literary reputation. The very efforts which have lately been made to redeem the pledges given when the name of the University was changed, and which have driven the professors of the agricultural college into the lecturing field, to push that phase of our work and to keep it before the people, has reacted upon this, so that all over the State people are saying, "Don't go to an agricultural or mechanical college to study literature or the classics." These facts seem to me to present the problem of the hour, which is, How to revive and strengthen the Literary side of this University?

I think we should first look within and see if its intrinsic character needs invigorating, and how. Second, look without and see how we can reach the people who should be brought into that department as students.

Of the first I have nothing at present to say.

Of the second, I remark that the most reasonable source of aid seems to me to be found in the teachers of the State. While I believe that the colleges of the land would all be better off, if the system of accrediting schools had never been adopted, nevertheless it has been adopted, and we cannot help recognizing and using it.

Michigan University, finding that her attendance had lately fallen from 1,500 to 1,300 students, has sought to recoup herself by entering all the adjacent States for the accredited schools which she had before found only in her own State, and, if I am rightly informed, has materially lowered her standard of requirements in so doing. We must continue to attach to ourselves the schools of the State, and I have been actively engaged of late in visiting schools for that purpose and expect to continue so doing. In this connection I desire to renew a proposition made some time since. It is that a handsomely lithographed or engraved certificate be prepared, large enough and elegant enough to be framed, to hang conspicuously in the assembly halls of our accredited schools, which shall keep the fact of association constantly before the pupils of the school. It will lead them to think about us, to talk about us, and I believe will prove a permanent and a most serviceable advertisement. I believe an elegant certificate may be secured for say \$150 for the plate, with a small sum for printing.

I trust it will not be deemed improper for me to refer again to a plan of establishing county honorary scholarships. I believe this may be so done, as to make each of a large number of county seats in the State the center of advertising that will do us much service. That while we should bring one student from a county who would come free of fees, the act of bringing him would draw a considerable number with him, who would pay fees, more than enough to make up for the loss of this one. This would, of course, not be true of Champaign county, perhaps not of Cook county, or McLean county, or a few others that might be named. Nor would all counties send. From some inquiries which I have made, I doubt if even fifty counties would undertake the needful examinations at first. I think the spirit of the original State law expects this, and it seems to me that the experiment is well worth the trial. If the trustees desire, I have a plan ready for their consideration.

THE PREPARATORY CLASS.

This continues to be the principal and the best feeder for the University. When the number of students in it increases, the subsequent attendance in the University is enlarged. But more than that, the students who have gone through with its drill, take up the work of the freshmen year with a vigor and earnestness that is not usually equaled by those who enter directly as freshmen.

THE AGRICULTURAL EXPERIMENT STATION.

You are doubtless informed of the fact that Congress has passed an act, which the President has signed, appropriating \$15,000 per annum, during the pleasure of Congress, for establishing an experiment station at each of the agricultural colleges organized under the act of 1862.

An important duty and a large responsibility will rest upon this University in carrying out the details imposed by this act. I suggest that the subject be referred to a committee which shall have authority to take steps to secure the necessary legislative sanction, required by the act itself, which committee shall also be charged with the duty of presenting at a subsequent meeting a plan for the organization and conduct of the experiment station contemplated in connection with our University.

I am informed that a meeting of the presidents of agricultural colleges will be called in Washington during the month of April, to consult upon the methods, purposes, etc., of these stations, and I ask your authority to attend such a meeting when called.

The next annual meeting of the National Educational Association is to be held in Chicago, in the summer vacation, and a feature of the meeting will be a display of educational work in all forms, to be held in the Exposition building. It will be important that this University be represented there. I ask authority to make an exhibit there. An effort is making to get the State to appropriate for the expenses of this exhibition, which, if successful, will make an appropriation by this Board unnecessary; but it is desirable that provision should be made to be used if needed.

I call attention to the requests of Professor Forbes:

For leave to raise Mr. Weed's salary to \$60 per month.

For instructions as to the distribution of his forthcoming report.

Professor Roos asks \$25 for models and repairs, which asking I concur in.

Professor McMurtrie asks for leave to purchase chemicals and apparatus.

Professor Comstock asks for \$100 for physical apparatus to be purchased with the chemical apparatus, and for \$150 for purchase of the mining transit now loaned to his department.

Authority is asked for the publication of the annual catalogue; 5,000 copies, to cost not more than \$250.

Authority is asked for building a gun house on the lot east of the drill hall, for housing the two field pieces and for storage of the ammunition furnished by the government, at a cost not to exceed \$300.

FINANCIAL REPORT.

The following concerns those departments of the University which add business transactions to their educational work. It should not be expected that these departments should be absolutely self-supporting. It will appear that the expenses of the departments are lessened in some degree by the profits on the business which comes to them incidentally.

The Department of Agriculture.

| | |
|--|---------------|
| The acreage in the two University farms is..... | 610 acres |
| The lands used by the department of agriculture..... | 50) " |
| Used in pasture..... | 160 acres |
| " meadow..... | 170 " |
| " tillage..... | 170 " |
| The products in 1886 were—Corn..... | 5,500 bushels |
| Oats..... | 1,600 " |
| Other grain..... | 80 " |
| Value of grain produced..... | \$2,400 00 |
| Hay, tons, 225, value..... | 1,125 00 |
| Dairy products, sold..... | 160 83 |

Balance Sheet of Agricultural Department.

| | | | |
|------------------------------------|-------------|-------------|-------------|
| Inventory, Dec. 1, 1886— | | | |
| Live stock..... | \$9,420 00 | | |
| Farm products..... | 2,640 00 | | |
| Teams..... | 1,200 00 | | |
| Machinery and tools..... | 1,950 00 | | |
| | | \$15,260 00 | |
| Sales—Live stock, cash..... | \$4,865 49 | | |
| Dairy products..... | 160 83 | | |
| Hay and grain..... | 871 00 | | |
| Miscellaneous..... | 297 25 | | |
| | | \$6,194 07 | |
| Notes and credits..... | | 698 12 | |
| Permanent improvements..... | | 200 00 | |
| | | | \$22,352 19 |
| Inventory, Dec. 1, 1885— | | | |
| Live stock..... | \$10,055 00 | | |
| Farm products..... | 2,936 25 | | |
| Teams..... | 1,350 00 | | |
| Machinery and tools..... | 1,800 00 | | |
| | | \$16,041 25 | |
| Paid for labor..... | \$2,452 00 | | |
| Stock..... | 2,709 42 | | |
| Miscellaneous..... | 1,107 90 | | |
| | | \$6,269 32 | |
| | | | \$22,310 47 |
| Balance to credit of farm..... | | | \$41 72 |

To which should be added the extra cost of so conducting the work as to derive useful experimental results therefrom, say \$1,500.

The Griggs Farm.

| | |
|------------------------|-----------------|
| Received for rent..... | \$508 00 |
| Expenses..... | 10 00 |
| Balance..... | <u>\$498 00</u> |

The Horticultural Department.

| Cr. | | | | |
|---------------------------------------|-----------|----------|----------|-------------------|
| Cash, greenhouse..... | | \$348 45 | | |
| Nursery..... | | 54 75 | | |
| Small fruits..... | | 370 60 | | |
| Orchard..... | | 83 81 | | |
| Forest..... | | 27 80 | | |
| | | | \$869 41 | |
| Foreman's time on public grounds..... | | | 165 00 | |
| Plants for public grounds..... | | | 540 70 | |
| Trees for public grounds..... | | | 7 00 | |
| | | | | <u>\$1,592 11</u> |
| | Material. | Labor. | Foreman. | |
| Dr. | | | | |
| Greenhouse..... | \$183 20 | \$177 37 | \$350 00 | \$710 65 |
| Nursery..... | | 16 21 | 25 00 | 41 21 |
| Small fruits..... | 104 20 | 240 44 | 115 00 | 459 64 |
| Orchard..... | | 48 15 | 45 00 | 93 15 |
| Forest..... | | 9 96 | 15 00 | 24 96 |
| | \$287 48 | \$492 13 | \$550 00 | \$1,329 61 |
| Foreman's time on public grounds..... | | | | 165 00 |
| | | | | <u>\$1,494 61</u> |
| Balance in favor of department..... | | | | <u>\$97 50</u> |

The Chemical Laboratory.

| Cr. | | | | |
|-------------------------------------|--|--|-------------|-------------------|
| From State appropriations..... | | | \$650 00 | |
| Received from students..... | | | 1,027 79 | |
| Supplied other departments..... | | | 31 81 | |
| | | | | <u>\$1,709 60</u> |
| Dr. | | | | |
| Permanent apparatus..... | | | \$170 00 | |
| Chemicals and apparatus, stock..... | | | 920 64 | |
| Gas..... | | | 246 00 | |
| Repairs, freight, etc..... | | | 215 70 | |
| | | | | <u>\$1,552 34</u> |
| Balance for department..... | | | | <u>\$157 26</u> |
| Inventory, March 1, 1887..... | | | \$15,457 83 | |
| March 1, 1886..... | | | 15,009 80 | |
| | | | | <u>\$448 03</u> |
| Net balance for department..... | | | | <u>\$605 29</u> |

The Machine and Carpenter Shops.

| | Machine shop. | Carpenter shop. |
|-------------------------------|---------------|-----------------|
| Cr. | | |
| Work for University..... | \$865 47 | \$2,110 01 |
| Work for other parties..... | 27 22 | 212 97 |
| State appropriations..... | 920 88 | 639 80 |
| | \$1,813 57 | \$2,962 78 |
| Dr. | | |
| Materials and tools..... | \$315 69 | \$987 18 |
| Labor..... | 275 38 | 811 22 |
| Power..... | 219 93 | 219 93 |
| Instructor..... | 1,500 00 | 960 00 |
| | \$2,311 00 | \$2,928 33 |
| Balance against shop..... | \$497 43 | |
| Balance for shop..... | | \$34 45 |
| Inventory, Feb. 28, 1887..... | \$490 32 | \$924 50 |
| Inventory, Feb. 28, 1886..... | 491 40 | 624 48 |
| | 1 08 | 302 02 |
| Net balance against..... | \$498 56 | |
| Net balance for..... | | \$336 47 |

General Balance Sheet.

| | Loss. | Gain. |
|-------------------------------|----------|------------|
| Agricultural department..... | | 41 72 |
| Griggs farm..... | | 498 00 |
| Horticultural department..... | | 87 50 |
| Chemical laboratory..... | | 606 16 |
| Machine shop..... | \$498 56 | |
| Carpenter shop..... | | 336 47 |
| Totals..... | \$498 56 | \$1,569 85 |
| Net balance, gain..... | | \$1,071 29 |

Attention is asked to the report of the Professor of Agriculture for the last quarter.

FARM REPORT.

University, Champaign, Ill., March 1, 1887.

Dr. S. H. Peabody, Regent,

SIR: During the three months, ending with this date, the receipts from the farms have been \$1,725.31. The expenditures have been \$759.30.

The care of the live stock has been the principal work. In general, all classes of stock have done well. A small lot of fat cattle and two of hogs have been sold. An unusually good lot of young Shorthorn bulls will be for sale this spring, and a few cows and heifers may also be disposed of. It is believed desirable to unite with other breeders near Champaign in a second annual public sale of Shorthorn cattle about the last of May.

A report of experiments in Pig Feeding and a partial report of experiments in Cattle Feeding now in progress, are submitted, prepared by Mr. Hunt, who has had the special direction of this work.

After a consultation with the chairman of the Farm Committee, men have been employed to fill, in part, the places of Mr. John Dodds, and Mr. L. G. Lathrop who, for four years past, have lived on the farms, and acted as working foremen, discharging their duties with unusual fidelity. As the men employed are not expected to have equal responsibilities, their wages have been placed at a less rate—\$28 per month.

It is expected to plant 90 to 100 acres in corn, and sow 50 to 70 acres in oats. The grass land may be about equally divided between meadow and pasture, although there is a larger acreage which might be wisely used for pasturage than will be necessary to support the stock now on the farms. It is believed the purchase of one or two car loads of steers to be grazed during summer, corn fed and sold next fall would be advisable.

During the three months I have attended ten farmers' institutes and agricultural meetings, making twelve addresses, and have forwarded papers to be read at three meetings, invitations to attend which I have been unable to accept. Five of these meetings have been institutes held under the direction of the State Board of Agriculture, including the one held at the University Feb. 3-4. These institutes I believe highly useful and think it appropriate that the University should continue its aid to them.

I should not have felt at liberty to leave my classes so frequently had it not been that the assistant in agriculture was well prepared to take charge of them.

A large percentage of my classes is of students taking the one year farmers' course. They have manifested a good degree of interest and made satisfactory progress.

Respectfully submitted,
G. E. MORROW, Professor of Agriculture.

The above reports are respectfully submitted,

SELIM H. PEABODY, Regent.

URBANA, March 9, 1887.

On leave given by the Board, the Regent presented the following plan for

HONORARY SCHOLARSHIPS.

In accordance with the spirit of Section 9 in the act of the General Assembly organizing the Illinois Industrial University, approved Feb. 28, 1887, it is hereby ordered that Honorary Scholarships be established in the University of Illinois to be filled and occupied in the manner and on the conditions following, viz.:

1. An examination shall be held at the county seat of each county in the State of Illinois which desires to secure an Honorary Scholarship in the University, by the county superintendent of said county, or by a suitable deputy to be named by him, on the first Friday and Saturday of June, 1887. The persons admitted to such examinations shall be residents of the county, fifteen years of age, and shall have been previously approved by the county superintendent as reasonably proficient in reading, writing, arithmetic, grammar, geography and history of the United States. Persons already admitted to the University may not be admitted to examination.

2. The questions used in said examination shall have been prepared under the direction of the Regent of the University, and shall be forwarded to the county superintendent in sealed envelopes with careful instructions as to the times and manner of using them, and the superintendent or his deputy shall return his written statement that such instructions have been fully observed.

3. Immediately after the close of the examination, the answers in the handwriting of the person examined, without note, comment, or correction, shall be collected and sealed up in a separate envelope for each person examined, and shall be forwarded forthwith to the Regent of the University, to be read and passed upon by him, with the aid of such members of the Faculty as he may designate.

4. Each competitor may choose whether he will be examined to enter upon a technical or upon a literary course. In the first case the subjects upon which he shall be examined shall be:

Algebra, to and including quadratic equations; geometry, plane, solid and spherical; physiology; natural philosophy; botany, and English rhetoric and composition, covering such parts of the several subjects as are usually taught in the better public high schools in the State.

In the second case the subjects shall be:

Algebra and geometry as before, physiology or natural philosophy, and the first four books of Caesar's Commentaries, the four orations of Cicero against Cataline, that for Poet Archias, and that for the Manilian Law, and the first six books of Virgil's *Aeneid*.

The two forms of examination shall be made as nearly as possible equivalent in difficulty and in the amount of preparation required.

5. That person in each county whose average standing in this examination shall be highest, shall be entitled to an honorary scholarship in the University, exempt from any fee for tuition or incidental expense. Provided, that a scholarship may not be awarded to any person whose standing in any subject offered for his examination shall be less than 75 upon the scale of 100, or whose general average shall be less than 80 upon the same scale. Other things being equal "the descendants of soldiers or seamen who served in the armies or navies of the United States during the late rebellion" shall be preferred.

6. The scholarships awarded as above shall be good for four years and shall not be transferable. The holder of a scholarship shall be deemed to have vacated the same if he shall graduate from the University or take a dismission therefrom. His scholarship shall be forfeited, if he shall be absent after his appointment for one term consecutively without a reason for such absence satisfactory to the Faculty, or for more than one term for any reason; or if he shall have failed to pass a standing of 75 in any two University examinations; provided that in case of any such failure, he may claim and receive a re-examination from his professor with the Regent of the University; or if he shall have accumulated 50 or more demerits for misconduct, or unexcused absence from duty.

7. If, at the examinations provided for in June, no person should secure the scholarship for any county, the Regent and the county superintendent may provide a second examination in the September following. If, before the end of the fall term following the examination, the person receiving the scholarship shall fail to appear and matriculate, or if he shall decline to accept the same, the scholarship shall be given to the next person in order who has passed the examination. If at any other time, or in any other way, a scholarship shall become vacant, or shall be likely to become vacant by the graduation of its incumbent, timely notice shall be given to the county superintendent of the county to which the vacancy shall belong; but no examination to fill the same may be held at other times than in June or September, as before provided.

9. The examinations provided for as above must be held without expense to the University, except that which may be incurred in preparing and forwarding questions. The examinations must be announced at least three times within the month preceding the date thereof, in at least two papers published in the county, evidence of which publication must be forwarded to the University with the results of the examinations.

10. The Trustees of the University reserve the right to modify, or to withdraw these regulations at their discretion.

On motion of Mr. Eisenmayer the plan was adopted, and the Regent was instructed to take the steps necessary to carry its provisions into effect.

The Board adjourned to meet at the Doane House at 8 p. m.

EVENING SESSION.

The Board assembled at the appointed time. Present, Trustees Bennett, Cobb, Eisenmayer, McKay, Millard, McLean and Pearman.

The Treasurer, J. W. Bunn, read the following report, which was received and referred to the Auditing Committee.

JOHN W. BUNN, TREASURER, IN ACCOUNT WITH THE UNIVERSITY OF ILLINOIS, *Dr.*

| Date | No. | Description | Amount | Total |
|------------|-----|--|----------|-------------|
| Dec. 1886. | 14 | To balance | | \$12,899 37 |
| Jan. 1 | 1 | To interest on Chicago water bonds | \$875 00 | |
| Jan. 15 | " " | " " funds not invested | 1,800 00 | 2,675 00 |
| Jan. 16 | " " | " Champaign school bonds | | 360 00 |
| Jan. 19 | " " | Amount received from State for State Laboratory of Natural History | | 1,550 00 |
| Feb. 9 | " " | Amount received from C. Hesse for rent | | 14 25 |
| | " " | interest on land contract No. 1, A. Hubka, past due | 32 25 | |
| | " " | " " " " " " 1 | 96 60 | |
| | " " | " " " " " " 2, J. T. Applegate | 80 64 | |
| | " " | " " " " " " 3 | 88 08 | |
| | " " | " " " " " " 4 | 84 48 | |
| | " " | " " " " " " 5, S. D. Miller & D. C. Bashor | 138 00 | |
| | " " | " " " " " " 6, T. A. Woodward | 100 95 | |
| | " " | " " " " " " 7, August Zahlten | 80 00 | |
| | " " | " " " " " " 9, C. M. Dawson | 144 00 | |
| | " " | " " " " " " 10, John W. Herbert | 144 00 | |
| | " " | " " " " " " 11, David Richardson | 120 00 | |
| | " " | " " " " " " 13, H. F. Willis & A. W. Mills | 120 00 | |
| | " " | " " " " " " 14, W. L. Collins | 120 00 | |
| | " " | " " " " " " 15, W. T. Maxwell | 127 80 | |
| | " " | " " " " " " 16, Robert L. Gilmore | 72 00 | |
| | " " | " " " " " " 17 | 96 00 | |
| | " " | " " " " " " 18, S. G. Bryant, Jan. 1, 1886 | 96 00 | |
| | " " | " " " " " " 19, Lawrence Larson | 144 00 | |
| | " " | " " " " " " 20, Christian Anderson | 144 00 | |
| | " " | " " " " " " 21, Dennis Wagner | 130 00 | |
| | " " | " " " " " " 22, H. H. Snyder & J. H. Martin | 130 00 | |
| | " " | " " " " " " 24, John Higgins | 134 40 | |
| | " " | " " " " " " 25 | 134 40 | |
| | " " | " " " " " " 26, M. R. O'Brien | 113 75 | |
| | " " | " " " " " " 27, Ames L. Wright | 120 00 | |
| | " " | " " " " " " 28 | 120 00 | |
| | " " | " " " " " " 29, Spencer G. Bryant | 72 00 | |
| | " " | " " " " " " 30, James A. Huston | 120 00 | |
| | " " | " " " " " " 31, John H. Hansen | 120 00 | |
| | " " | " " " " " " 34, J. and H. J. Swoboda | 120 00 | |
| | " " | " " " " " " 35, John and Wm. Losey | 96 00 | |
| | " " | " " " " " " 36, C. E. and C. O. Frothergill | 120 00 | |
| | " " | " " " " " " 38, D. M. Gilmore | 120 00 | |
| | " " | " " " " " " 39, John E. Blickenstaff | 120 00 | |
| | " " | " " " " " " 40, Joseph Dezort | 120 00 | |
| | " " | " " " " " " 41, J. S. Reynolds & A. L. French | 120 00 | |
| | " " | " " " " " " 42, W. S. Martin & F. L. Mans | 120 00 | |
| | " " | " " " " " " 43, Samuel Cox | 67 20 | |
| | " " | " " " " " " 44, C. E. Baker | 67 20 | |
| | " " | " " " " " " 45, J. Blevens & R. J. Miller | 124 48 | |
| | " " | " " " " " " 47, M. Hubka | 133 58 | |
| | " " | " " " " " " 48, J. K. Cullen | 85 70 | |

| | | | | | | | | | |
|-------|----|--|--|--|--|----------|--|------------|-------------|
| 1887. | | | | | | | | | |
| Feb. | 9 | To interest on land contract No. 49, V. Hnizda..... | | | | \$39 47 | | | |
| | | " " " " " 50, R. T. Hnizda | | | | 80 00 | | | |
| | | " " " " " 51, J. S. Herbert & J. W. Hnizda | | | | 80 20 | | | |
| | | " " " " " 52, J. W. Hnizda | | | | 64 00 | | | |
| | | " " " " " 53, E. R. Fogg..... | | | | 61 00 | | | |
| | | | | | | | | \$4,872 18 | |
| | | To amount received on account mechanical department..... | | | | \$333 19 | | | |
| | | " " " " " architectural | | | | 69 06 | | | |
| | | " " " " " agricultural | | | | 1,725 31 | | | |
| | | " " " " " horticultural | | | | 158 20 | | | |
| | | " " " " " fuel and lights..... | | | | 24 20 | | | |
| | | " " " " " buildings and grounds..... | | | | 70 50 | | | |
| | | " " " " " chemical laboratory..... | | | | 403 75 | | | |
| | | " " " " " incidentals..... | | | | 4 00 | | | |
| | | " " " " " music fees..... | | | | 31 00 | | | |
| | | " " " " " Griggs farm..... | | | | 383 00 | | | |
| | | " " " " " University fees..... | | | | 2,280 00 | | | |
| | | " " " " " preparatory year | | | | 480 00 | | | 6,588 21 |
| | | | | | | | | | |
| | | <i>Cr.</i> | | | | | | | |
| Feb. | 28 | By amount paid on account board expense..... | | | | \$117 03 | | | |
| | | " " " " " salaries | | | | 7,990 32 | | | |
| | | " " " " " buildings and grounds..... | | | | 57 68 | | | |
| | | " " " " " fuel and lights..... | | | | 907 83 | | | |
| | | " " " " " stationery and printing | | | | 107 57 | | | |
| | | " " " " " preparatory year | | | | 480 00 | | | |
| | | " " " " " mechanical department..... | | | | 295 74 | | | |
| | | " " " " " architectural department..... | | | | 501 10 | | | |
| | | " " " " " agricultural department..... | | | | 763 67 | | | |
| | | " " " " " horticultural department..... | | | | 313 82 | | | |
| | | " " " " " laboratories..... | | | | 276 49 | | | |
| | | " " " " " military department..... | | | | 12 52 | | | |
| | | " " " " " library and apparatus..... | | | | 21 13 | | | |
| | | " " " " " incidental expense..... | | | | 68 39 | | | 11,853 29 |
| | | By amount paid on account commencement expenses | | | | \$37 08 | | | |
| | | " " " " " furniture and fixtures..... | | | | 19 28 | | | |
| | | " " " " " architectural drawings..... | | | | 19 80 | | | |
| | | " " " " " cabinet cases..... | | | | 34 66 | | | |
| | | " " " " " music fees..... | | | | 31 00 | | | 141 82 |
| | | State Appropriations. | | | | | | | |
| | | By amount paid on account buildings and grounds | | | | \$408 87 | | | |
| | | " " " " " laboratories..... | | | | 25 32 | | | |
| | | " " " " " mechanical and Arch. shops..... | | | | 534 88 | | | |
| | | " " " " " books and publications..... | | | | 169 43 | | | |
| | | " " " " " cabinets..... | | | | 377 71 | | | |
| | | " " " " " expenses of instruction..... | | | | 2,580 28 | | | |
| | | " " " " " machinist tools..... | | | | 30 01 | | | |
| | | " " " " " fire walls and ventilators..... | | | | 6 00 | | | |
| | | " " " " " State Laboratory of Natural Hist..... | | | | 1,437 37 | | | 5,569 87 |
| | | Balance..... | | | | | | | 11,394 03 |
| | | | | | | | | | \$28,959 01 |

JOHN W. BUNN, Treasurer.

Urbana, March 8, 1887.

The following resolution was offered by Trustee McLean, and adopted:

WHEREAS, At the late session of Congress, a bill was passed relative to the establishment of agricultural experiment stations at the various agricultural colleges throughout the United States, and the necessary funds to carry into effect the objects of said bill were appropriated, the University of Illinois being one of the stations contemplated in said bill; therefore, be it

Resolved, That a standing committee of this Board be appointed, consisting of the Regent, who shall be chairman, Emory Cobb, Alex. McLean, Charles Bennett and S. M. Millard, to which is referred all matters pertaining to carrying out of the objects of said bill, and which shall report to the Board of Trustees from time to time such plans and suggestions as they may deem proper for the purposes aforesaid.

Resolved, That the Regent and Executive Committee be requested to obtain such legislation as they may deem necessary to have said agricultural experiment station properly and legally established as contemplated by said act of Congress, and that they obtain legislation during the present session of the legislature.

The Business Agent, S. W. Shattuck, submitted his report, which was read, received, and, together with accompanying vouchers, referred to the Auditing Committee.

STATE APPROPRIATIONS.

| Of July 1, 1885. | Approp't'd. | Received. | Expended. | Balance. |
|---|-------------|-------------|-------------|------------|
| Taxes on land ($\frac{1}{2}$ per annum) | \$4,000 00 | \$3,433 15 | \$3,433 15 | ..... |
| Buildings and grounds ($\frac{1}{2}$ per annum) | 6,000 00 | 6,000 00 | 5,107 31 | \$892 69 |
| Laboratories ($\frac{1}{2}$ per annum) | 3,000 00 | 3,000 00 | 1,462 79 | 1,537 21 |
| Mechanical and architectural shops ($\frac{1}{2}$ per annum) | 3,000 00 | 3,000 00 | 2,480 55 | 519 45 |
| Books and publications ($\frac{1}{2}$ per annum) | 3,000 00 | 3,000 00 | 2,354 51 | 645 49 |
| Cabinets ($\frac{1}{2}$ per annum) | 2,000 00 | 2,000 00 | 1,599 14 | 400 86 |
| Current expense of instruction ($\frac{1}{2}$ per annum) | 24,000 00 | 24,600 00 | 24,000 00 | ..... |
| Machines and tools ($\frac{1}{2}$ per annum) | 4,000 00 | 4,000 00 | 2,828 04 | 1,171 96 |
| Fire walls and ventilation | 4,500 00 | 4,500 00 | 3,714 83 | 785 17 |
| Laboratory of Natural History | 18,000 00 | 13,010 65 | 10,095 84 | 2,914 81 |
| | \$71,500 00 | \$65,943 80 | \$57,076 16 | \$8,867 64 |

CURRENT APPROPRIATIONS.

| Sept. 1, 1886—March 31, 1887. | Approp't'd. | Receipts also approp't'd. | Expended. | Balance. |
|--|-------------|---------------------------------|-----------|----------|
| Board expense | \$300 00 | ..... | \$241 56 | \$58 44 |
| Salaries for Instruction { State | 19,914 00 | ..... | 9,645 07 | 640 42 |
| { Current ..... |  | ..... | 9,628 51 | |
| Salaries for services | 1,650 00 | ..... | 1,578 81 | 71 19 |
| Buildings and grounds ..... | ..... | 118 29 | 86 88 | 31 41 |
| Fuel and lights | 2,000 00 | 64 07 | 2,055 40 | 8 67 |
| Stationery and printing | 350 00 | ..... | 256 71 | 93 29 |
| Nebraska and Minnesota lands | 296 08 | ..... | 275 08 | 21 00 |
| Mechanical department | 200 00 | 408 19 | 596 94 | 11 25 |
| Architectural department | 200 00 | 1,225 00 | 959 39 | 465 61 |
| Agricultural department | 400 00 | 4,720 23 | 2,028 49 | 3,091 74 |
| Horticultural department | 400 00 | 283 80 | 598 70 | 85 10 |
| Military department | 80 00 | ..... | 73 38 | 6 62 |
| Laboratories | 200 00 | 608 35 | 657 33 | 151 02 |
| Library and apparatus | 50 00 | 6 00 | 27 03 | 28 97 |
| Incidental expense | 200 00 | 8 00 | 161 66 | 46 34 |
| Premium on bonds | 100 62 | ..... | 100 62 | ..... |
| Boiler tubes | 193 65 | ..... | 193 65 | ..... |
| Commencement exercises | 55 83 | ..... | 55 83 | ..... |
| Furniture and fixtures | 25 00 | ..... | 24 89 | 20 |
| Architectural drawings, balance | 29 27 | ..... | 25 80 | 3 47 |
| Architectural cabinet case | 36 38 | ..... | 34 66 | 1 72 |
| Music fees ..... | ..... | 75 00 | 75 00 | ..... |
| Preparatory year fees ..... | ..... | 90 00 | 960 00 | 20 00 |
| Illinois Central freight ..... | ..... | 415 98 | ..... | ..... |
| University students' fees ..... | ..... | 5,280 00 | ..... | 5,280 00 |
| Griggs farm ..... | ..... | 383 00 | ..... | 383 00 |

The Board adjourned to meet at the University, March 9, at 9 o'clock a. m.

SECOND DAY'S SESSION.

The Board met at 9 o'clock a. m.

Present—Trustees Bennett, Cobb, Eisenmayer, McKay, McLean, Millard and Pearman.

A short recess was taken to attend chapel exercises.

Trustee Pearman presented the following report from a special committee on farm administration:

To the Board of Trustees of the University of Illinois:

Your committee to whom was referred the matter of future farm management, beg leave to report that they have met and considered the matter referred to them, and do not deem it expedient at the present time to recommend any material change in the general policy heretofore pursued in the management of the University farms.

J. T. PEARMAN,
CHAS. BENNETT,
EMORY COBB,
GEO. C. EISENMAYER,

The report was received and the committee discharged.

Trustee Bennett made the following report:

To the Board of Trustees of the University of Illinois:

The Finance Committee, to whom was referred the matter of the Regent's salary for the ensuing two years, recommend that said salary be fixed at \$4,000 per annum.

CHAS. BENNETT,
GEO. C. EISENMAYER,
F. M. MCKAY.

The report was received and its recommendation adopted.

On recommendation of the same committee, it was

Resolved, That the amount of the Treasurer's bond be fixed at \$150,000, and that the Executive Committee be authorized to receive and approve the same.

The committee on Nebraska and Minnesota lands made the following report, which was received:

UNIVERSITY OF ILLINOIS, URBANA, March 8, 1887.

To the Trustees of the University of Illinois:

Your committee, charged with the care of the lands belonging to the University in Nebraska and Minnesota, reports as follows:

Since the last report one tract has been sold in Nebraska:

| No. | Name. | Tract. | Price. | Cash. |
|-----|-----------------|------------------------|-------------|----------|
| 54. | Benj. F. Leiby. | N. W. 6, 2, 8, 151.84. | \$2,125.76. | \$531.44 |

Some discrepancies have crept into former reports, as printed, on account of errors in proof reading. An examination of the books shows the following:

| | | |
|--|----------|----------|
| Number of acres originally for sale in Nebraska..... | | 9,340.09 |
| Number of acres sold..... | 8,405.40 | |
| Number of acres yet for sale..... | 934.69 | 9,340.09 |

| | |
|-------------------------------|--------------|
| Total price of land sold..... | \$110,120 94 |
|-------------------------------|--------------|

| | |
|---|-------------|
| Cash received at making of contracts..... | \$29,553 23 |
| Cash received, principal paid on contracts..... | 8,357 37 |
| | \$37,910 60 |

| | |
|---|-------------|
| Amount outstanding on contracts..... | \$72,210 34 |
| Interest received on contracts, 1885..... | 1,551 89 |
| Interest received on contracts, 1886..... | 4,449 61 |
| Interest received on contracts, 1887..... | 4,766 19 |
| Interest due January 1, 1887, not yet paid..... | 905 88 |

All interest due before January 1, 1887, has been paid.

The last crop in Nebraska was not so good as usual, and some requests have been made for extension of time for payment of principal and interest due. Extensions of principal have been agreed to, but parties have been notified that the payments of interest must be made. There is little doubt that all delinquent interest will soon be paid.

Negotiations having been opened with the Minneapolis and Pacific Railroad for payment for the University lands taken by that company in Pope county, Minnesota, the company offers \$10 per acre for the land which they have used. The committee recommends that a settlement be made with the railway company upon those terms, and that the proper officers be instructed to complete the necessary papers.

All of which is respectfully submitted,

S. H. PEABODY,
CHAS. BENNETT, } *Committee.*

The Auditing Committee made the following report:

To the Board of Trustees, University of Illinois:

The Auditing Committee, to whom was referred the report of the Business Agent, respectfully report that they have examined vouchers for the items contained in said report, Nos. 226 to 450, inclusive, and find them correct and properly receipted, except No. 370 for \$1.00, in which case the absence of the voucher is satisfactorily explained in the Business Agent's report.

CHAS. BENNETT,
F. M. McKAY,
GEO. C. EISENMAYER.

The report was received and approved.

The Finance Committee submitted the following report, which was received and ordered to be placed on file:

To the Board of Trustees, University of Illinois:

Your committee would respectfully report that we have examined and compared the books of the Treasurer with the warrants upon him for the past two years, beginning March 1, 1885, with Nos. 384 to 800 to September 1, 1885, No. 1 to 1043 up to September 1, 1886 and No. 1 to 488 up to March 1, 1887, and found all to be in order and correct. The warrants have been cancelled and left in the hands of the Treasurer.

F. M. McKAY,
GEO. C. EISENMAYER, } Finance
CHAS. BENNETT, } *Committee.*

The following resolution was offered by Trustee McLean, and adopted:

Resolved, That the President and Secretary of the Board be and they are hereby empowered and directed to execute and deliver a deed to the Minneapolis & Pacific Railroad for the lands taken by said company and duly belonging to the University of Illinois, in constructing their railway across sections 23 and 25, tp. 124, R. 36 in Pope county, Minnesota, and to receipt for the payment for the same at ten dollars per acre.

The matter of form of the deed for the land was referred to the Executive Committee.

On motion of Trustee McLean the following resolution was passed:

Resolved, That the President and Secretary be directed to draw their requisition upon the State Auditor for the several sums of money appropriated by the General Assembly for the use of the State Laboratory of Natural History and the State Entomologist's office for the quarter ending June 3, 1887.

For the field work and incidental expenses of the laboratory the sum of one hundred and fifty dollars.

For traveling, office, and incidental expenses of the Entomologist the sum of one hundred and fifty dollars.

For improvement of the library the sum of two hundred and fifty dollars.

For the pay of the entomologist assistant the sum of two hundred and fifty dollars.

For the pay of the botanical assistant the sum of two hundred and fifty dollars.

For miscellaneous assistance the sum of two hundred and fifty dollars.

The following report from the Farm Committee was received and approved:

To the Board of Trustees of the University of Illinois:

Your Farm Committee, to whom was referred the report of Professor Morrow, would recommend that the report be received, and that permission be granted to Professor Morrow to make public sale of shorthorn cattle as indicated in his report. The granting of authority to purchase cattle we do not recommend.

J. T. PEARMAN,
EMORY COBB.

The following special appropriations were made:

\$300 for the construction of a building to receive the artillery. (State appropriation for buildings and grounds.)

\$300 for the printing of catalogue (5,000 copies) for 1887-8. (Current appropriations for stationery and printing.)

\$650 for purchase of chemicals and chemical apparatus. (Current appropriation for laboratories.)

\$100 for purchase of apparatus for physical laboratory. (State appropriations for laboratories.)

\$150 for purchase of mining transit for mining laboratory. (State appropriation for laboratories.)

\$25 for purchase and repairs of models for drawing and designing. (Current appropriations.)

\$45.36 for traveling expenses of Dr. Peabody.

The following appropriations were made from current funds for the six months ending August 31, 1887:

| | |
|---|-------------|
| Board expenses..... | \$300 00 |
| Salaries for instructions..... | 19,196 00 |
| Salaries for services..... | 1,159 00 |
| Fuel and lights..... | 1,000 00 |
| Stationery and printing (catalogue, etc)..... | 600 00 |
| Nebraska and Minnesota lands..... | 21 00 |
| Library and apparatus..... | 50 00 |
| Incidental expenses..... | 200 00 |
| Mechanical department..... | 200 00 |
| Architectural..... | 200 00 |
| Agricultural..... | 400 00 |
| Horticultural..... | 200 00 |
| Military..... | 50 00 |
| Laboratories..... | 200 00 |
| Furniture and fixtures..... | 50 00 |
| | <hr/> |
| | \$23,826 00 |

The salary of C. M. Weed, assistant in Laboratory of Natural History was made \$60 per month for the present quarter.

The question of distribution of the reports of the Laboratory of Natural History was referred to the Director of the Laboratory and the Regent.

It was moved and carried that the Regent be requested to attend the meeting of presidents of agricultural colleges at Washington, D. C.

The Regent was authorized to prepare an educational exhibit of the University for the National Teachers' Convention at Chicago.

It was decided that the receipts from the earnings and sales from the mechanical, architectural and horticultural departments and the laboratories be appropriated subject to the order of the Business Agent; those from the agricultural department, subject to the approval of the Farm Committee and Business Agent.

Plans for dormitories were submitted by a special committee; they were received and the committee continued.

The President of the Board appointed the following standing committees:

Farm Committee—Bennett, Pearman and Cobb.

Buildings and Grounds—Earle, Eisenmayer and Paden.

Finance Committee—McLean, Bennett and Cobb.

Auditing Committee—McKay, Earle and Eisenmayer.

Publications—President, Regent and Corresponding Secretary.

Adjourned.

S. M. MILLARD, *President*.

E. SNYDER, *Secretary*.