

MINUTES OF THE EXECUTIVE BOARD
UNIVERSITY OF KENTUCKY, JAN. 17, 1917

The Executive Board met with Chairman Nichols in the chair and Messrs. Brown, Stoll, Johnston and McKee present. Before taking up the regular order of business, the Board heard a statement made to them by the Hon. Abram Renick of Clark County relative to installing in the University a Chair for instruction in pedigreed live stock breeding.

Mr. Renick, representing Live Stock interests of the State and speaking in their behalf, proposed the creation in the College of Agriculture of the University of a Chair in constructive breeding. In a general way Mr. Renick stated that the State had fallen from its former prestige in the field of live stock breeding and that the purpose of this request was to endeavor to place it back in its former standing. He believed that the introduction of such a chair in the University of Kentucky would disseminate correct, scientific theories of breeding that would serve this end.

Mr. Renick gave it as his opinion and the opinions of those cooperating with him in the movement, that the greatest and most successful scientific breeder and teacher of correct breeding theories was Mr. Gane Johnson of Montgomery County, who Mr. Renick said, was known throughout the entire breeding world and looked upon pretty much in the same light as that in which Luther Burbank, wizard of plant life, is regarded in his sphere of plant culture. Mr. Renick gave many instances of the remarkable results obtained through the theories of Mr. Johnson and further stated that as Mr. Johnson was at present a man of considerable wealth, it was doubtless of little import to him whether the salary was large or small; that Mr. Johnson had given his life to this study and was seriously interested in the project of leaving it to his native state as a lasting heritage.

Mr. Renick asked the Board to take into consideration seriously what he had said and assured it that all breeding interests would be placed on advanced ground if the Board could see its way clear to establish this chair and give the benefit of Mr. Johnson's life of study to the State of Kentucky.

After discussion of the subject by Messrs. Stoll, McKee, and Brown as to the advisability of this step and the financial ability of the University to meet these requirements, Mr. Stoll moved that the President of the University be requested to report at the next meeting of the Board on the following points:

1. The amount of compensation Mr. Johnson would require if he were employed.
2. The duties which Mr. Johnson would perform if he were employed.

3. Whether there are any funds available to pay him and meet the expense of installing the chair.
4. That Mr. Johnson be invited to appear before a Committee appointed by this Board at a time satisfactory to him and to the President of the University.

Without objection, the motion was adopted.

In response to the request of Dean Roberts of the College of Agriculture for a definition of his right to claim the \$200.00 paid annually by the College of Agriculture to the dean of that college, Mr. Brown moved that Dean Roberts be allowed the \$200.00 a year paid by the College of Agriculture as long as Professor Roberts acts as Dean. The motion was unanimously carried.

Action on the report of the Committee on Military affairs, composed of Captain Fairfax and President Barker, was deferred one month.

On motion of Mr. McKee, a request made by Dean Lafferty of the College of Law in a former report, that \$200.00 be appropriated to pay for the Indiana Reports, was granted and said appropriation made by unanimous vote.

The report of Professor Frank McFarland incorporating a general scheme of improvements to be made on the campus, was received and filed and ordered spread upon the minutes as follows:

January 16, 1917

To President Barker and
The Executive Committee of the
University of Kentucky.

Gentlemen:

I beg to submit a very general plan for the improvement of the University Campus for the coming year.

In view of the fact that the general improvement of the campus will involve a great deal of planning and labor, I deem it wise to submit a very general plan now and insert details as we progress.

For the coming year, I believe a considerable amount be spent for labor in shaping up the campus in general. By this I mean, the edging of grass plots, the making of flower beds, the making of paths, the mowing of grass, and things of this sort. Many places are bare from the constant use as paths and it is my plan to correct these paths and sod the now used places. A start has been made to make cinder paths from the Agricultural Building to the various parts of the campus. These are very serviceable and while they are very cheap they serve nearly as good as concrete.

There are many small patches of grass on the campus, especially around the corners of buildings which ought to be kept cut. These places are usually too small to be cut over with the horse lawn mower so I think that two or three mowers should be bought this spring. There is but one mower now owned by the University but it is practically worn out.

Many trees on the campus should be pruned during the spring and early summer and perhaps this coming fall. There are several of the old water maples along Limestone Street which ought to be removed on account of their rotten conditions. These are to be removed this spring. The whole row of water maples needed pruning, and since they were seriously interfering with the electric wires, I gave permission to the General Utilities Company, to remove the larger limbs from the water maples and that our workers would remove the smaller branches and the stubs. I went over the situation with a Mr. Jones of the Electric Company and pointed out what could be removed. However, when the work was begun, Mr. Jones never appeared on the grounds, and the workmen had most of the trees pruned before I noticed what was done. Nevertheless, the trees were not hurt as badly as I and some others had expected. To look forward into the future, we can see that this row of water maples will not last but a few years and so it would be a good thing to begin now to set a row of Pin Oaks just inside of this row of water maples to start growth while replacing the maples.

There are other trees on the campus which ought to be removed for the sake of the growth of other trees. My slogan has always and shall always continue to be, "Not a lot of trees", but, "A select lot of Good Trees". This is what I am gradually working for.

What I desire to do with the improvement of the campus is not what I can do just for a month or so, but what I do, I wish for it to be continuous throughout several years and this is what I wish for you to back me up in. To do this work, I shall ask for a minimum to do the work.

In the way of roadways I can not give anything definite at the present time. Most of the streets on the campus are in need of repairs and this mostly in the form of crushed limestone.

The proposed roadway from the Agricultural Building to the New Chemistry is now being considered by Professor Ferrell and as yet has made no report. I regard the planting of trees along the roadway from the Agricultural Building almost a necessity and these trees ought to be the same as those planted last spring, Chinese Catalpas.

When the old fence along Limestone was removed there was left at various places along the sidewalk quite abrupt dropoffs. In order to correct this, some grading should be done. This, in my opinion, should be done this spring. Also, just south of the Agricultural Building there is another place which needs grading.

To sum up in a nut shell, what we want to do now is to make a big impression as quickly as possible. To do this, everything must be done systematically. I have carefully thought out this plan and to make a nice appearing campus let us plant a good many shrubs. After once planted we need only a few to keep the campus in good repairs.

I am attaching several recommendations which I submit for your approval,

Respectfully submitted,

Frank T. McFarland

No. 1

The importance of shrubs for campus work is well understood. Therefore, about \$200.00 ought to be set aside for the purchase of shrubs. These I may add can be bought from Thomas Meehan Nursery at Dresheer, Pa. at wholesale and their price is just about one half that of any other nursery.

Of this \$200.00 about \$20.00 will be used in buying Cannas and other perennials.

No. 2

Trees for the South Limestone Street and the roadway to the Mechanical Hall from the Guinea Pig House will cost about \$100.00.

No. 3

Labor as outlined in the general plan will total up to quite a little sum. Nothing can be done unless we have good workmen.

The best I could figure on this was in the neighborhood of about \$200.00. This sum to be sufficient until about next September. This amount should become available as soon as possible. Price per hour 15¢.

No. 4

In view of the fact that a good many plants (tender annuals) must be started in a greenhouse, and since Professor Mathews no longer makes use of the greenhouse adjoining the Agricultural Building, I wish to recommend to the Executive Committee, that the greenhouse be permanently placed in my charge, and that Professors Mathew and Gilbert be so notified.

I feel that the Botanical Department should have charge of the greenhouse and since a good many plants may be wintered over it ought to be in charge of the person in charge of the campus.

The reason why I partially ask for this is because we have had some trouble as to just who has charge. Apparently, no one shoulders the responsibility at this time. It just seems to exist. As a result of this nonresponsibility, last November, many of the plants in the greenhouse froze for want of sufficient heat.

No. 5

About \$125.00 ought to be set aside as a contingent fund. No one can tell now what will happen when summer comes on.

No. 6

Many of our old poorly taken care of plants on the campus are badly infested with San Jose Scale. It seems a bad thing for a public institution to have things which it teaches against. These scale insects are responsible for the death of many trees and shrubs.

Since Professor Garman, the only man who has a well equipped outfit for spraying, is connected with the Station and University, I can not see why he can not do the spraying.

In order to kill these insects, the spray must be applied before the leaves unfold.

My recommendation is to have Professor Garman spray the trees and shrubs on the campus. He sprays those on the Experiment Station grounds.

No. 7

In view of the fact that the University has no decorative greenhouse plants of any kind, and that plants are rented several times each year, I heartily recommend that about \$75.00 be spent for Palms, and other greenhouse decorative plants for the purpose of decorating the Chapel platform, the Armory and other places as needed.

I think that any one who has attended our entertainments are impressed with the lack of flowers and decorative plants.

No. 8

One of the greatest eye scores on the campus is the old lake. Since there has been set aside \$1400.00 for this improvement, why not improve it: I can not say whether or not it should be converted into a lake or a Botanical Garden.

On this question, I welcome advice.

These eight recommendations I respectfully submit for your action.

Frank T. McFarland.

Mr. Johnston, chairman of the Committee appointed to audit the accounts of Doctor Fred Mutchler reported that the audit had been completed, certain errors corrected and returned satisfactorily to the government.

The report of the committee on plan for lending the Southern Railway Loan fund was submitted but action on it deferred one month.

Mr. Johnston moved that an appropriation of \$360.00 be made to pay for prizes given during Farmers' Week. This motion was carried unanimously.

Mr. Stoll moved that the Business Agent be directed to install a fire escape at Patterson Hall in accordance with the recommendation made by the City Building Inspector to the Board of Control of Patterson Hall. The motion was unanimously carried.

On motion of Mr. Stoll the Board decided by unanimous vote to appropriate \$70.00 to pay for a new typewriter to be used in the Business Office.

The following report was submitted by Professor Glanville Terrell containing request for general increase in salaries for teachers in the College of Arts and Science, which on motion of Mr. Stoll, by unanimous vote, was referred to President Barker for recommendation at a later meeting:

To the President and Honorable Board
of Trustees of the University of Kentucky

Sirs:

We are a committee appointed by the Arts and Science Department of your University to petition your honorable Board for an increase in salaries. The reasonableness of this petition is based solely on the high cost of living. We find ourselves being reduced to the level of bare subsistence, a condition incompatible with the accepted standards of living and the highest efficiency of the College Professor. Present prices need no comment. For living expenses \$1.75 will hardly go as far now as a \$1.00 would go a few years ago. We do not ask you to meet this increased cost of living, but only ask some mitigation of its hardships. Our request is modest and ultra-conservative. We ask for an increase of 25% in our present salaries, this increase from the rank of instructor to the heads of departments inclusive. It will be seen that this demand is far from keeping pace with the rise in prices, and is believed to be an irreducible minimum. We shall still have to economise and go without many important tools of our trade. At present some of your professors are unable to meet the premiums on insurance policies, the Companies are carrying them. Nothing could speak more forcibly of the present conditions or be a stronger proof that a remedy is needed at once.

The sum at present expended on salaries in our college, according to the statement furnished by the Business Agent (and hereto appended), is \$55,300. The additional sum, therefore, needed to meet our request will be in round numbers \$14,000. We would respectfully submit that it is the duty of the Trustee to devise some means to raise this revenue. It would be a great disaster to the University if members of the Faculty should be compelled to seek other means of support in addition to that derived from teaching. To be confronted with such a possibility seriously impedes their best efforts, and the above increase will barely relieve them of such necessity.

An investigation by our Dean a few years ago showed that the salaries paid by our University were smaller than those of any other Land-Grant College except New Mexico and Florida. This proves that the standard of living which we think it necessary to maintain is not unreasonable if judged by the practice of similar institutions. Members of this Committee know from their personal knowledge that Harvard a few years before the present crisis raised \$2,500,000., the income to be used exclusively for the increase of salaries of the teaching force employed at the time the money was raised.

Oberlin, Brown and Michigan made a substantial increase in salaries effective for the present year, on account of the high cost of living.

Our Committee is also informed that the salaries of the College of Arts and Sciences are on an average lower than those of any other college in the University. This is a great injustice, when you consider that our College forms the pivot on which the whole University turns. We do fully 50% of the teaching required by all the other colleges.

It is almost needless to call your attention to the fact that hundreds of corporations have advanced the wages of employees from 30 to 40% during the current year. The United States Steel Corporation has just declared an advance of 10% making 33% for the current year. The Sante Fe Railroad has declared a bonus \$2500.00. This shows what they consider an irreducible minimum. Will you be less liberal to your employees?

We think enough has been said and conclude in the language of the old Chancery pleadings: "Your orators pray for relief in the premises and will ever pray".

Signed:- Glanville Ferrell, Chrm.
J.W. Proyer
Paul P. Boyd

Mr. Stoll moved that the following report from Instructors in the Agricultural College be received, filed and spread upon the minutes:

Lexington, Kentucky
January 10, 1917

President Barker and Members
of the Board of Trustees of the
University of Kentucky,
Lexington, Ky.

Gentlemen:

We, the undersigned, members of the staff of the College of Agriculture, regard the proper organization of the agricultural work of the University as one of the most important problems confronting the Board of Trustees at this time, and one of far reaching consequences in the development of the agriculture of the State. We therefore respectfully request that you give consideration to some suggestions which we herein present with the belief that they are in accord with the best thought and practice in organization, administration and policy in the agricultural colleges of this country.

In the first place, we desire to emphasize our belief in the unity of the college of Agriculture. We feel that there has been, and is here, a tendency in practice as well as in theory to regard resident teaching, experiment station work and extension service as three more or less independent functions to be administered more or less independently, in-

stead of three different phases of the activities of one and the same institution- the College of Agriculture. While it is true that separate funds are provided for the three different lines of work, yet the federal laws establishing the experiment stations and extension service explicitly recognize both services as parts of the college of agriculture and provide that they shall be administered by and through the college of agriculture. We might add, in this connection, that in some states, legislatures appropriate separate funds for specific projects in the experiment station, but recognize that there shall be no separate administration of the funds.

We beg to submit that, as organized at present, the three lines of work are entirely separated in their administration within the College, and no one connected with the College has any authority to coordinate them. If there is, or shall be, proper coordination under this system, it is only because men may agree to coordinate, but if a man at the head of one of the three divisions refuses to enter into the proper coordination, then there can not be the proper coordination.

We believe that there should be one person of broad agricultural education and experience in authority as head or dean of the College of Agriculture, with authority to direct and coordinate in a broad sense all the activities of that unit in the University which should be recognized as the College of Agriculture. It is entirely within the strength of one man to serve in this larger capacity, if he properly organizes the various divisions and departments of the college with a budget system, holding each division strictly responsible for departmental administration and the accomplishment of results, as is done in many of the largest institutions of the country, such as the Universities of California, Illinois and Wisconsin. The dean may have his assistants, but this is a detail that should be left to him to work out.

The general principle of the organization we advocate is, we believe, what is contemplated in the Smith-Lever law, in the Kentucky Statute accepting its provisions and in the articles of agreement between the University of Kentucky and the United States Department of Agriculture relative to extension. It is that followed in the organization of the Colleges of Agriculture in the majority of the State Universities in the United States, including some we class among the best. The College of Agriculture, in the large sense, not only works out information in its research division, which is the Experiment Station, and imparts the same to students in its division of resident instruction, and to the farming community thru its extension division, but it is the collecting, adapting and distributing medium for information developed by other agencies, such as practical farmers themselves, the United States Department of Agriculture and other institutions in all parts of the world. "Each subject matter department should be the chief center and authority for information upon its particular subject and it is of the greatest importance that this store of information be systematically transmitted to the student in residence, the farmer on the farm and the housewife in the home, practically at first hand. This implies a close organic connect-

tion among the three divisions; research, resident instruction and extension. In short, each subject-matter department should be connected closely and definitely with research, teaching and extension and should be held responsible for the finding out of knowledge, its proper organization and its interpretation. Let us repeat that this requires an officer at the head with full power to exact such work of each department."

Again, the men who are engaged in research and experiment will often derive their best inspiration from contact with those who make practical application of their results and this affords another strong reason why the subject-matter departments should be brought into the closest possible relation with the farmer and the student. It is apparent, therefore, that those who impart information to the farming community, as well as those who conduct research and resident teaching, should be closely identified with the subject-matter departments.

This does not mean that the men doing research work and experiments shall be distracted from their duties by excess of teaching and extension service, but rather that such men shall do enough teaching and extension work to keep themselves alive to the needs of the student and the farmer, that they may be better prepared to give general direction of what is to be taught and its interpretation by those who may be giving most of their time to teaching or extension.

All that we have said is entirely independent of any consideration of persons who shall fill positions in the organization. There is a form of organization which should obtain and men should be sought on the basis of fitness alone to fill positions in the organization.

We respectfully submit the foregoing for the purpose of aiding in the development of the larger College of Agriculture.

Believe us, your obedient servants.

Alford M. Peter - Acting Director, K.A.E.S. Head of Chem.
George Roberts - Professor of Agronomy - Acting Dean
Fred Mutchler - Director of Extension
T. R. Bryant - Ass't Director of Extension
E. S. Good - Head Div. Animal Husbandry - Beef, Cattle
J. D. Turner - Head Department Feeding Stuffs
J. J. Hooper - Head Animal Husbandry - Horses, Dairy Cattle
J. O. LaBach - Chief Chemist - Acting Head Food & Drug
Robert Graham - Head Dept. Animal Diseases
W. D. Nichols - Head Dept. of Farm Management
E. J. Kinney - Assoc. Professor of Agronomy
D. J. Healey - Professor of Bacteriology
William Rodes - Chemist, Fertilizer Dept.
H. E. Curtis - Head Fertilizer Dept.
Chas. D. Bohannon - Acting Head Department of Agricultural Econ.
L. A. Brown - Drug Chemist
W. E. Pinnell - Bacteriologist - Food & Drug Dept.
G. Davis Buckner - Research Chemist
P. L. Blumenthal - Research Chemist
Howell Spears - Chemist Feed Department

L. D. Averitt - Chemist-Chemistry Department
 J. S. McHargue - Chemist-Chemistry Department Exp. Sta.
 O. M. Shedd - Research Chemist
 C. W. Mathews - Head-Department of Horticulture
 A. H. Gilbert - Assoc. Professor of Botany
 W. S. Anderson - Assistant Prof. Animal Husbandry

Dean overteaching, station and extension. (19)

University of Arizona	University of Nebraska
University of Arkansas	New Jersey Agr's Col. (Rutgers)
University of California	Cornell University
Delaware Agricultural College	Clemson College, S. C.
University of Florida	University of Tennessee
University of Illinois	University of Vermont
University of Louisiana	Virginia Agricultural College
University of Minnesota	University of Wisconsin
University of Missouri	University of Wyoming
University of Montana	

One authority over teaching or station and extension (8)

Alabama Polytechnic Institute
 University of Maine
 Mississippi Agricultural College
 New Hampshire " "
 North Carolina " "
 North Dakota " "
 Ohio State University (Station in different part of state)
 Pennsylvania State College

Extension, teaching and station independent of each other (19)

Colorado Agric. College	University of Nevada
Connecticut " "	University of New Mexico
University of Idaho	Oklahoma Agric. College
Purdue University	Oregon Agric. College
Iowa State College	Rhode Island Agric. College
Kansas Agric. College	South Dakota Agric. College
University of Kentucky	Texas Agric. College
Maryland Agric. College	Utah Agric. College
Mass. Agric. College	Washington Agric. College
Michigan Agric. College	

Extension Coordinate with subject-matter departments. (1)

Georgia College of Agriculture

Thirty-two institutions hold extension specialists responsible to subject-matter departments for correctness of teaching. The same number refer correspondence requesting information to subject-matter departments.

In reference to this report, President Barker stated to the Committee that what the organization urged in this report is now in effect.

The report of F. Paul Anderson, Dean of the Mechanical and Electrical Engineering College was ordered received and spread upon the minutes as follows:

January 17, 1917.

To the Executive Committee,
University of Kentucky

Gentlemen:

On account of there not being a quorum present of the Executive Committee on December 20, I am combining my monthly reports for November and December, relative to the College of Mechanical and Electrical Engineering, and submit same to you in accordance with your order.

NOVEMBER REPORT

The following lecturers have addressed the students of the College of Mechanical and Electrical Engineering since my last report:

On November 14, Mr. M. J. Kirkland was sent to the University by the Portland Cement Association of Chicago, and under the auspices of the Westinghouse Society, a sophomore organization, he lectured on the uses of concrete, before the freshmen and sophomore classes. Lantern slides were used in the presentation of his subject.

Professor C. F. Harding, in charge of the School of Electrical Engineering of Purdue University, on November 16th, gave a most profitable lecture on "The Marketing of Engineering Ability", under the auspices of the Student Branch of the American Society of Mechanical Engineers of this institution. Our reason for asking Mr. Harding to come to Kentucky was on account of the very favorable comments we had heard on this lecture, which was delivered before the American Association of Engineers in Chicago in the early fall.

On December 13th, a lecture and lantern slides were sent here by the Pelton Water Wheel Company of San Francisco, presenting the modern practice pertaining to the use of water power. On account of the distance, the lecturer was not present but the slides and lecture were so well coordinated that the presentation was made by Professor W. E. Freeman, under the auspices of the Student Branch of the American Society of Mechanical Engineers.

On December 14, Mr. W. S. Culver of the General Electric Company, under the auspices of the American Institute of Electrical Engineers Student Branch of this institution, presented a most delightful lecture on electrical industries with special reference to transportation. Mr. Culver's lecture was profusely illustrated by lantern slides and a moving picture, known as the King of the Rails, which has been prepared

by the General Electric Company for presentation to technical schools and societies at an expense of \$8000.00.

On December 18, Mr. James A. Aupperle, Chief Chemist of the American Rolling Mill Company of Middletown, Ohio, before the Student Branch of the American Society of Mechanical Engineers of this institution, lectured on the production of a pure iron, known to the trade as Armco iron, a non-corrosive iron. Mr. Aupperle's lecture was presented through the medium of lantern slides.

Governor A. O. Stanley appointed the writer as a delegate, representing Kentucky, to the American Uniform Boiler-Law Congress which met in Washington on Monday, December 4th. This Congress met at the Raleigh Hotel, and Kentucky was one of thirty-five states represented. There was a resolution passed almost unanimously, adopting the boiler code as developed by the American Society of Mechanical Engineers, and there will be a recommendation to the next Legislature of Kentucky to make this code applicable to boiler practice in Kentucky.

The American Society of Mechanical Engineers met in New York on the 5th to 8th of December inclusive. Many important matters were discussed pertaining to the education of engineers, the principal one being a discussion of the Student Branch activities of the parent Society thru-out the country. The writer made a report on the work that is being done in Kentucky and I believe there is not a more active chapter in the technical schools of the United States than the one here, for the reason that we require all of our seniors to become members of the Student Branch and also to subscribe to the Journal of the Society which we use for seminar purposes in the bi-monthly meetings of the Society, which is really part of the course of instruction, for we set aside two hours a month for the meetings. This procedure enables us to put the young engineer in touch with the very best literature presented in his profession.

It was brought out through the various reports from technical schools throughout the country, that most of the Student Branches are voluntary organizations and on account of the heavy course in technology prevalent, in many cases the very student who would be benefited by the work in the Society did not attend. We feel that the plan that we have adopted here is the most logical one that has been devised for making the Student Branch of the American Society of Mechanical Engineers effective.

It was my pleasure to meet over thirty of the former graduates of the University in New York and without exception, they seemed to be happy and prosperous.

The mid-term report on the grade of work being done by matriculates in the department, showed that only twenty-nine men out of one hundred and sixty-five are doing unsatisfactory

work in two or more subjects, and the information that has been collected indicates that most of these twenty-nine men will be able to clear up their work so as to pass from the subjects at the end of the semester. Each of the twenty-nine men have been talked with personally, and encouragement or admonition given as the case warranted.

A very gratifying report came to me relative to the freshmen in their work in shops, that since the beginning of the college year, there had not been a single absence or tardiness. These facts speak very highly for the young men who are matriculated in our freshman class, and for the character of discipline and instruction in our wood shop.

DECEMBER REPORT

The course in English that we have inaugurated for the senior mechanical and electrical engineers, three days a week, is proving most profitable.

Professor E. F. Farquhar has injected a great deal of spirit into his lecture programs, and the seniors look upon these periods of exercise as among the most profitable in their course.

We were favored by two lectures on English subjects by Professor M. M. Miller of New York City, on the value of reading the translation of the classics and Lincoln as a poet.

The Bureau of Commercial Economics in Washington, through Mr. C. S. Crosman, will present a three-reel lecture on the making of a magazine before all of the students of the department, Thursday, January 18, at ten-thirty, a.m.. Mr. Crosman's lecture is very highly commended by eastern universities.

Arrangements have been made to send to the New York alumni, the film that was taken during the twenty-fifth anniversary of the department, also the one taken during the Golden Jubilee, to be presented at the New York dinner, held early in February.

Yours most respectfully,

F. Paul Anderson, Dean.

The report of Dean Walter E. Rowe, College of Civil Engineering, was ordered received and spread upon the minutes as follows:

MEETING OF MUNICIPAL ENGINEERS AT THE COLLEGE OF CIVIL ENGINEERING; UNIVERSITY OF KENTUCKY- Feb. 5-10th.

The program arranged for the benefit of Municipal Engineers is the first of the kind arranged in Kentucky and presents many interesting and instructive features. At the close of the course of lectures a State Engineering Society will be formed. There has long been a great need for such

organization, and if the promoters will make the scope of the society broad enough there will undoubtedly come great good to the municipalities of the Commonwealth from an intelligent organization of the engineers of the State.

THINGS OF ENGINEERING INTEREST IN AND ABOUT LEXINGTON.

In addition to the program as arranged there are many engineering structures, or engineering projects in course of construction in the vicinity of Lexington.

VIADUCTS

The handsome reinforced concrete viaducts on Jefferson and Main Streets alone are worth going many miles to inspect and a close inspection will furnish to the visiting engineer, many details of construction, and possibilities for concrete construction and will prove instructive and interesting from many points of view.

PIKES

Perhaps there is no other city in America that has leading towards its center so many well laid out and well constructed macadam roads as has the city of Lexington. This city has long been celebrated for its extensive connecting pikes, but under modern traffic these old pikes are proving inadequate to withstand the wear and tear of modern traffic, and Fayette County is now expending the proceeds of a \$300,000 bond issue in an endeavor to make these pikes as good and as permanent as any in the world. While in attendance at the lectures, visiting engineers will be given an opportunity to inspect all of the recently constructed roads in Fayette county. The storage bins and methods of transporting materials used by Fayette County is also very interesting.

CITY STREETS

During the past seven years the city of Lexington has undergone a wonderful transformation and it seems quite safe to say that no other city anywhere in the country can boast of a greater mileage of well constructed Asphalt pavement than the city of Lexington.

MUNICIPAL IMPROVEMENTS IN PROCESS OF CONSTRUCTION

The city of Lexington a little over a year ago voted a bond issue of \$300,000 for the purpose of constructing a Sewage Disposal Plant and an Outfall Sewer leading to the disposal field. This work is now in process of construction and furnishes a rare opportunity for municipal engineers to see an extensive piece of municipal work under construction. The disposal plant alone when completed will cost about \$200,000 and will be the only complete disposal plant of any magnitude in the State of Kentucky. Many cities are considering the matter of sewage disposal, and engineers and officials from

such cities can do no better than to study what Lexington has already done and is now doing along this line.

WATER SUPPLY AND WATER WORKS

The water supply for the city of Lexington is obtained from a drainage area and Lexington is undoubtedly the largest city in the state receiving its supply of water from such a source. The drainage area is divided into two distinct water sheds and the water stored from one area is pumped to the drainage area of a higher elevation.

Equipment for treating and distribution of the water is complete in every respect and consists of a pumping plant, coagulation basin, mechanical filter, and the distribution system. The plant is located about two miles from the city and to engineers interested in up to date equipment and methods for treating and distributing water no better treat could be afforded.

Upon statement of President Barker that the cafeteria has been conducted successfully under its new lease, Mr. Brown moved that the President's recommendation that this lease be extended to June 1, 1917 be adopted. Motion was carried unanimously.

The following reports of Dean Norwood of the College of Mines and Metallurgy were ordered filed and spread upon the minutes:

December 20, 1916

The Executive Committee,
University of Kentucky

Gentlemen:

I did not know that the Committee would hold a meeting following that of the full Board this month, else I would have had my report ready sooner.

1. For the first time in several years, the Freshmen in this college are having much difficulty with their work in English. Their instructor, in his mid-semester report, has reported the work of most of them as "unsatisfactory". This was surprising to me because, only a short time before the instructor's report was received, Dr. Dantzler, the head of the Department of English, in a conversation with me had complimented our Freshmen. (My understanding is that he does not personally teach the class) I had hoped to have a conference with Dr. Dantzler in regard to the matter before your meeting, but have been so driven in the preparation of a report on the mines of the State - requiring my unremitting attention day and night for a week - that I have been unable to do so. I am under the impression that the difficulty is not due solely to lack of application or of "gray matter" on the part of the Freshmen, but until I can have a talk with Doctor Dantzler I will not be able to arrive at a conclusion.

2. Other matters in which you may be interested are these: William C. Eyl, one of our Seniors, is already making a reputation among oil men and coal men. Recently he was employed for a few days by the Melick oil and Gas Company to make examination in the Irvine oil field. S. L. Ware, another Senior has completed a very detailed map of Doctor M. E. Johnston's farm, to be used by the landscape architect who has in charge the work of beautifying Doctor Johnston's place. A map so precise had to be prepared that every tree, house, garden, court, etc., had to be shown, and the surface shown in 1-foot contours. Mr. Worley and the Senior class have just completed the making of a machine for illustrating the "flotation process" of ore concentration. This process is now receiving more attention from those who are engaged in mining low-grade ores, especially of copper, than is any other. The "flotation" process is one whereby the metallic parts of an ore are caused to separate from the lighter non-metallic parts by being caused to float to the top of an agitated mixture of ground ore and water plus oil--a froth being produced, which carries up the metal and is removed from the machine. It may be called "gravitation upside down".

Respectfully,

C. J. Norwood, Dean.

January 16, 1917

The Executive Committee,
University of Kentucky

Gentlemen:

I have the honor to make the following report for December.

1. There is nothing of importance to report concerning the instructional affairs of the College for December of which you do not already have information.
2. It will doubtless interest you, however, to know that:
 - (a) Mr. J. W. Reed, Assistant Inspector of Mines (appointed by the Board of Trustees) and instructor in the analysis of mine air, has been elected Secretary-Treasurer of the Kentucky Mining Institute.
 - (b) Mr. J. C. Miller, a Junior student in this College, has been elected Assistant Secretary of the Ky. Mining Institute. (This is the first time that the Institute, which is composed of the leading Mining men of the State, has thus honored a college student.)
 - (c) Mr. R. R. Atkins, a graduate of this College ('10), has been made General Superintendent of the Federal Coal Company in Bell County, vice Mr. H. D. Easton, resigned.

- (d) J. W. Atkins, one of our graduates ('14), has been promoted to the position of chief engineer for the Federal Coal Company.
- (e) Mr. Walter Hanley, a graduate of this College ('14) is in line for promotion to the position of chief engineer for the Elk Horn Coal Corporation, at Fleming.

Respectfully,

F. J. Norwood, Dean.

Inasmuch as the report of the President covered matters intended to be presented before the December meeting which failed to meet for lack of quorum, only that part of the report which bore upon the President's recommendation, already referred to, that the cafeteria lease be continued until June and acted upon as noted in these minutes, was read to the Board. This report was accepted.

The request made Dean Roberts of the College of Agriculture for final action affecting the salary of Professor Olney was ordered presented to the Board of Control.

Mr. Stoll moved that President Barker be instructed to look into the validity of all insurance policies covering property belonging to the University and if in his judgment any policy does not vouch safe the protection guaranteed in it, the same shall be cancelled and the property reinsured in other companies acceptable to the President. This motion was carried without objection.

Mr. Stoll moved then that Insurance on University realty be increased to an amount not less than \$500,000.00 and that policies be written covering five years. This motion was adopted without objection.

The following report of Professor A. M. Miller, Dean of the College of Arts & Science was ordered received and spread upon the minutes:-

December 20, 1916

To the Executive Committee,
University of Kentucky.

Gentlemen:

I have no report ready for you at this time. In anticipation of the preparation of the budget for the next collegiate year I have requested the Heads of all departments in the College of Arts and Science to furnish me with a report of the condition of their departments and the needs for the ensuing year. As soon as I receive replies from all of the heads I will transmit the report to you.

At a recent meeting of the faculty of the College of Arts and Science a Committee was appointed to go before you for the purpose of presenting the matter of increase in salaries. Dr. Terrell is chairman of that committee. I urge that he receive from you the careful hearing that the seriousness of the situation demands.

Yours very truly,

Arthur M. Miller, Dean

The following report of Dean W. T. Lafferty of the College of Law was ordered received and spread upon the minutes:

January 17, 1917

President H. S. Barker,
University of Kentucky

My dear Sir:

As Dean of the College of Law, I hand you my report covering the period since the last meeting of the Executive Committee. This is the last week for class work before the beginning of the next semester and I have summed up, so as to make some comparisons with the previous years on student attendance and grade of work, from September up to this time. By being able to give more personal attention to this important part of school duty, I find that no previous year even fairly compares with this.

I carry with me the city address and phone number of every student in the Law College, so that I can at any time get in direct communication with any student who needs attention. I call a weekly faculty meeting to discuss the question of class attendance, the grade of work, and on the last day of each week, a written report is made by each instructor. These facts being handled in my office, I am able to know exactly what each student is doing. The result is that we are having very little trouble over absences and but four students have given me trouble over their work, one of whom I have sent away; the other three are on probation with good prospects that each will be reclaimed. We make it the rule in our College to have a delinquent student personally call upon his instructor in whatever class or classes he may need assistance, and secure it. And by this personal contact between instructor and student, we have much improved conditions. When that seems to fail, as Dean of the College, I use all means I can command, that the student may be made to keep up with his work and otherwise comply with our rules. But when persuasion, appeals to pride, communications with the parent or guardian fail to produce results, the student is required to leave.

Our classes are large and some of them too large for effective work; consequently the delinquent student is

made to understand that we have no room for him unless he does his duty. I don't think any student on the delinquent list can say that we have failed to do our full duty toward him.

Again I renew my appeal for an appropriation of \$200.00 with which to buy the Indiana Reports which are upon our shelves and have been in use for more than a year. They are very important in our work, but if some arrangement is not made soon we will be required to return them to the Baldwin Law Book Company of Louisville, which has favored us with their use.

Under our University rules no man becomes a member of the faculty unless approved by the Executive Committee. I therefore, ask that Mr. Hutchcraft be made a member of the University faculty.

Very respectfully,

W. T. Lafferty, Dean.

The following report of the Business Agent was submitted and acted upon as indicated in the various sections of this enclosure.

Lexington, Ky., Jan. 16, 1917

To President H. S. Barker and
The Executive Committee
University of Kentucky

Gentlemen:

In addition to the December financial statement, I beg to submit the following:-

BOILER INSURANCE

This insurance expires February 19, 1917. It has been carried in the Fidelity and Casualty Company of New York, written by R. Arnsperger. This was ordered renewed by the Board, the Business Agent to use his judgment in placing this insurance.

DOCTOR PATTERSON'S FURNACE

I have taken up the matter of furnace for Doctor Patterson's home. Professor Walter Patterson informs me that the furnace now in use needs only minor repairs, but that it does not heat the building satisfactorily. It is suggested that this may be due to the flues in the building not being properly constructed for coal furnace. I am informed that it is possible to put gas fixtures in a coal furnace at a small cost, probably \$35.00; but it is also said that the cost of gas to run such furnace will be excessive. Plan and estimate for hot

water furnace are in my hands, also plan for extending steam heat from Library Building. A gas furnace will cost about \$150.00.

(Business Agent instructed to consult furnace man and report to Board).

SALARIES

I wish to call your attention to requests for increased salaries, heretofore reported by me, of P. D. Moore, general utilities man, and George Davis and Doc Maxbury, janitors. I may be able to take care of any increase you may give janitors out of amount appropriated to janitor's labor, bur for Mr. Moore it will require an additional appropriation.

(This passed temporarily)

KENTUCKY MINING INSTITUTE

The total due by the Kentucky Mining Institute is \$366.72. Mr. I. P. Tashof has been here, and he insists that owing to overcharges and the financial condition of the Institute, there should be a compromise of this claim. He asks that you consider his proposition of settlement at \$100.00 heretofore made.

(Business Agent ordered to make best settlement possible).

NOTES TO PREVENT OVERDRAFTS

The time is approaching when notes to cover overdrafts will probably be asked by the Treasurer. I suggest this in order that proper orders may be entered, if it is desired that the notes be executed.

(No action taken).

APPROPRIATIONS ASKED

Dean George Roberts request for appropriations was left open for action.

Dean C. R. Melcher's request for appropriation. No action taken.

TYPEWRITER

The Business Office needs a typewriter that will cost \$70.00. We have no fund out of which to pay this.

(Fund appropriated by the Board)

Very respectfully,

D. H. Peak, Business Agent

(NOTE)

The regular December meeting was not held thru lack of quorum.

On motion the committee adjourned.

Respectfully,

Enoch Grehan
Secretary Executive Board

INCOME

<u>SOURCES</u>	<u>ESTIMATED INCOME</u>	<u>DECEMBER RECEIPTS</u>	<u>COLLECTIONS TO-DATE</u>	<u>BALANCE AVAILABLE</u>
Federal Approp.	42750.		42750.00	
1/2 State Tax	57500.		7753.17	49746.83
Interest on Bonds	8644.50		4322.25	4322.25
State Approp	85000.	19071.68	70291.52	14708.48
Patterson Hall	2000.			2000.00
Gen. Education Board	3000.		1500.00	1500.00
Interest & Discount	2250.			2250.00
Agric. Exten. Fund	5000.			5000.00
Fees - Students	13000.	57.50	16792.96	3792.96 x
Rents	500.			500.00
Student Damages	750.			750.00
Sundries	<u>1000.</u>	<u>241.58</u>	<u>844.50</u>	<u>155.50</u>
	221394.50	19370.76	144254.40	80933.06
Finley Loan Fund	1000.00		1000.00	
Univ. Exten. Fund		957.48	5787.76	
Note (for overdraft)	<u> </u>	<u>5000.00</u>	<u>5000.00</u>	<u> </u>
	222394.50	25328.24	156042.16	80933.06

BILLS RECEIVABLE

Cash due on account University Press	1634.36
Value of Interest - University Press	2302.00
Athletic Association	594.50
Patterson Hall	1157.84
Miscellaneous Accounts	55.64
Insurance Paid in advance	2221.56
Student fees outstanding	2439.26
Inventory of Supplies	5513.32
Supply Account	399.00
Sundry Account (State Hall)	441.61
Student Returned Checks	<u>146.50</u>
Total	16905.59

SURPLUS

Year	1916-17	12718.50	
Year	1915-16	<u>4629.13</u>	17347.63

APPROPRIATIONS:-

7/19 - Physics	1325.00	
8/29 - Agriculture	327.00	
8/29 - Home Economics	300.00	
8/29 - Patt. Hall	343.15	
8/29 - 50th Anniversary	2500.00	
6/21 - Grounds	5000.00	
8/29 - Chemistry	400.00	
8/29 - Ground and Building Rep.	100.00	
9/22 - Agriculture	900.00	
11/1 - Agriculture	250.00	
8/29 - English	1000.00	
11/1 - Military	1500.00	
8/29 - Business Agent	50.00	
F. P. Anderson (Trav. Exp.)	100.00	
R. R. Mem.	157.09	
Farmers' Week	360.00	
W. R. Milward	<u>172.25</u>	<u>14784.49</u>
	Balance	2563.14

FINANCIAL STATEMENT

December 1916

Overdraft as per Bank Statement 12/1/16	3142.37	
Outstanding checks Dec. 1, 1916		18905.98
Receipts:-		
Agric. Exten. Fund #5556	957.48	
State Approp. 5555	19071.68	
Student Fees	57.50	
Sundries	241.58	
Note	<u>5000.00</u>	253328.24
Checks issued on Salaries:		
University	15678.90	
Agric. Exten. Fund	<u>1073.25</u>	
	16752.15	
Less Salaries advanced	<u>26.37</u>	16726.78
Checks issued on accounts		
1/2 State Tax	7491.13	
Agric. Exten. Fund	48.95	
Other Funds	<u>928.55</u>	8468.63
Outstanding checks Dec. 31, 1916		9679.97
Overdraft as per Bank Statement		12240.85
Cold checks returned		<u>5.30</u>
	<u>47249.06</u>	<u>47249.06</u>

CLASSIFICATION OF EXPENDITURES

December 31, 1916

	BUDGET 1916-17	SPENT IN DEC.	SPENT TO-DATE	BALANCE UNSPENT
Salary	151070-	14183.21	64898.20	86171.80
Supplies	24672-	4389.87	16188.80	8483.20
Tele. & Telephone	624-		34.29	589.71
Janitors' & Labor	5950-	529.80	3090.64	2859.36
Engineers & Firemen	1750-	161.00	597.10	1152.90
Coal	4500-	1592.40	2096.41	3403.59
Electricity	3500-	369.22	1471.23	2028.77
Gas	1650-	214.55	604.10	1045.90
Water	1800-	168.32	875.51	924.49
Janitors' Supplies	250-	39.23	361.95	111.95 x
Freight & Express	50-	14.72	89.55	39.55 x
Advertising	1400-	60.83	717.83	682.17
Travelling Expenses	3500-	336.32	666.10	2833.90
Glee Club	200-	25.00	95.00	105.00
Kentucky Kernel	750-		275.00	475.00
Debating Team	100-	6.19	8.19	91.81
Interest	2250-			2250/00
Assoc. Membership	50-	15.00	25.00	25.00
Postage	100-	6.37	31.71	68.29
Office Sundries	210-		1257.90	1047.90 x
Ice	50-		6.36	43.64
Bldg. & Ground Rep.	4350-	114.62	4033.33	316.67
	<u>208776-</u>	<u>22226.65</u>	<u>97424.20</u>	<u>112551.20</u>

Additional Approp:-	BUDGET 1916-17	Spent in Dec.	SPENT TO-DATE	BALANCE AVAILABLE
7/9 Physics	1325-	221.00	1251.62	73.38
8/29 Agriculture	327-		327.00	-- --
8/29 Home Economics	300-	46.65	96.80	203.20
8/29 Patt. Hall	343.15		111.42	231.73
8/29 50th Anniversary	2500.00	5.02	2390.07	109.93
6/21 Grounds	5000.00		-- --	5000.00
8/29 Chemistry	400.00		-- --	400.00
9/22 Agriculture	900.00	50.00	229.45	670.55
11/1 Agriculture	250.00		-- --	250.00
8/29 English	1000.00	100.00	400.00	600.00
8/29 Business Agent	50.00	5.00	20.00	30.00
11/1 Military	1500.00	873.50	1272.01	227.99
F. P. Anderson	100.00		100.00	-- --
P. P. Johnston (R.R.M.)	33.00		33.00	-- --
F. T. Justice (R.R.M.)	124.09		124.09	-- --
Farmers' Week	360.00	360.00	360.00	-- --
W. Rl Milward	172.25	172.25	172.25	-- --
	<u>\$223460.49</u>	<u>24060.07</u>	<u>104311.91</u>	<u>120347.98</u>

DEPARTMENT EXPENDITURES
December 31, 1916

	<u>BUDGET</u>	<u>SALARY</u>	<u>SPENT</u>	<u>SPENT</u>	<u>BALANCE</u>
	<u>1916-17</u>	<u>APPROP.</u>	<u>IN DEC.</u>	<u>TO-DATE</u>	<u>UNSPENT</u>
1. Executive	6585	6220	518.13	3109.98	3110.02
2. Business Agent	4745	4630	329.44	2237.58	2392.42
3. Registrar	4720	3870	310.66	1908.65	1961.35
4. Dean of Women	560	500	50.00	200.00	300.00
4 $\frac{1}{2}$. Dean of Men	140	100	100.00	40.00	60.00
5. Chemistry	13640	10800	1000.00	4533.00	6267.00
6. Physics	10185	6900	692.50	2770.00	4130.00
7. Geology	2480	2340	225.00	930.00	1410.00
7 $\frac{1}{2}$. Arts & Science	750	600	50.00	300.00	300.00
8. Physiology	2313	2250	225.00	900.00	1350.00
9. Mathematics	8585	8500	850.00	3405.00	5095.00
10. Education	10025	8800	820.00	3880.00	4920.00
11. History & P.E.	3502	3400	340.00	1360.00	2040.00
12. Ancient Language	3665	3650	365.00	1460.00	2190.00
12 $\frac{1}{2}$. Modern Language	6570	6550	655.00	2620.00	3930.00
13 English	9415	9350	935.00	3740.00	5610.00
14 Journalism	2835	2600	260.00	1040.00	1560.00
15 Agric. & Botany	19077	13955	1399.30	5651.25	8303.75
16 Zoology & Ent.	3215	2900	200.00	800.00	2100.00
17 Home Economics	6300	4770	509.00	2096.00	2674.00
18 Mechanical & Elec.	25670	21340	1985.01	9703.57	11636.43
19 Mines & Met.	4865	4425	415.00	1710.00	2715.00
20 Civil Eng.	8005	6505	650.00	2600.00	3905.00
21 Law	8525	6805	716.81	3324.88	3480.12
22 Physical Educ.	4095	3600	365.00	1455.00	2145.00
23 Military	2912	885	80.50	179.25	705.75
24 Sum. School	1500	1500		1490.70	9.30
25 Library	3209	1350	123.33	644.98	705.02
26 Univ. General	28090	7900	706.80	3773.74	4126.26
27 Grounds & Bldg. Rep.	4350	600	50.00	300.00	300.00
28 Patt. Hall	2343.15				
29 Boys' Dorm.	800	800	58.33	449.98	350.02
30 Y.M.C.A. & Y.W.C.A.	1500	1500	180.00	678.38	821.62
	<u>215171.15</u>	<u>159895.15</u>	<u>15045.01</u>	<u>69291.94</u>	<u>90603.06</u>
31 50th Anniv. Approp	2500.00	--	--	--	--
32 Grounds	5000.00	--	--	--	--
33 F.P. Johnston (R.R. Mem)	33.00	--	--	--	--
34 F.T. Justice (R.R. Mem)	124.09	--	--	--	--
35 F.P. Anderson (Trav)	100.00	--	--	--	--
36 Farmers' Week	360.00	--	--	--	--
37 W. R. Milward	172.25	--	--	--	--
Total	\$223460.49	159895.15	15045.01	69291.94	90603.06

<u>APPROP.</u> <u>for SUPPLIES</u>	<u>SPENT</u> <u>IN DEC.</u>	<u>SPENT</u> <u>TO-DATE</u>	<u>BALANCE</u> <u>UNSPENT</u>
365.00	--	82.00	283.00
115.00	--	115.00	
850.00	23.12	475.68	374.32
60.00	--	24.30	35.70
40.00	7.15	24.65	15.35
2840.00	399.63	2235.18	604.82
3285.00	734.27	3108.28	176.72
140.00	3.35	43.23	96.77
150.00	10.70	45.37	104.63
63.00	27.35	40.15	22.85
85.00		34.69	50.31
1225.00	163.13	486.82	738.18
102.00		3.50	98.50
15.00		10.61	4.39
20.00		3.04	16.96
65.00	1.40	8.93	56.07
235.00	2.00	119.98	115.02
5122.00	702.00	2440.03	2681.97
315.00		180.47	134.53
1530.00	68.30	566.99	963.01
4330.00	488.85	4067.23	262.77
440.00		101.10	338.90
1500.00	181.90	695.60	804.40
1720.00	140.29	1557.67	162.33
495.00	48.32	145.08	349.92
2027.00	882.87	1343.46	683.54
1859.00	679.84	1096.60	762.40
20190.00	3588.74	8574.54	11615.46
3750.00	64.62	3733.33	16.67
2343.15	264.98	477.05	1866.10
<hr/> 55276.15	<hr/> 8482.81	<hr/> 31840.56	<hr/> 23435.59
2500.00	--	2390.07	109.93
5000.00	--		5000.00
33.00	--	33.00	
124.09	--	124.09	
100.00	--	100.00	
360.00	360.00	360.00	
172.25	172.25	172.25	
<hr/> 63565.49	<hr/> 9015.06	<hr/> 35019.97	<hr/> 28545.52