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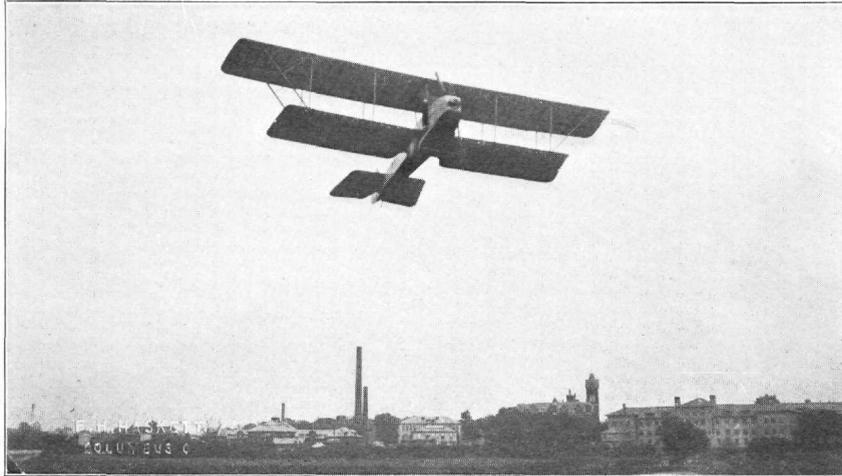
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COLLEGE NOTES



ENGINEERS IN FOOTBALL

Just a word of recognition to the engineers on the football team, now twice Champions of the Western Conference.

Scan this list. You know everyone of them: Yerges, Bolen, H. G. Courtney, Metzger, Cramer, Van Dyne, Miller, Schweitzer, and Stinchcomb.

We are rightly proud of them. They have made a wonderful record for their university and themselves, besides being able to keep up in their studies.

Coach Wilce said recently, "The men in engineering who played football are very deserving of credit for putting up the high class of playing they did with the very difficult engineering courses which the university offers. Further, I admire them, because they all seem to be instinctively fighters. The engineers in football are for this reason, probably, the most desirable men I have."

Six of these men won their "O" and the other three their "OAA." Further, three of them were picked on All-Western and All-American teams.

It was mighty hard work, but it is of such men that we expect things.

CLASSIFICATION OF STUDENT ENGINEERS

That the revised regulations regarding the selective draft about to be issued by Provost Marshal Crowder will be so worded that many students in the engineering department of the colleges and universities will be allowed to finish their school work is now practically certain.

Dean Edwin F. Coddington of the engineering

college received a letter from headquarters of the American Society for the Promotion of Engineering Education, which is located at Pittsburgh, containing a copy of the regulations which the government has asked this society to distribute to all the engineering schools in the country. The copy reads as follows:

"Under the regulations of section 151 of the draft law, a proportion of the students pursuing an engineering course in one of the approved technical engineering schools listed in the records of the war department, may enlist in the reserve corps of the engineering department, and thereafter, upon presentation by the registrant to his local board of a certificate of enlistment, such certificate shall be filed with the names in Class 5 on the ground that he is in the military service of the United States."

Dean Coddington says that this is the latest decision made by the war department and that a typewritten copy of the blank, which he will be required to fill out for the students, has already been received.

The above regulation provides only for exemption of the one third highest ranking students, and as a basis for this selection the grades of graduates for the past ten years will be taken. Dean Coddington is at present engaged in preparing this list.

CERAMIC

The Ceramic Society held its first meeting in the early part of October, for the purpose of electing officers and getting the under-classmen interested in the meetings. The three faculty mem-

bers of the department, Professors Watts, Harrop and Wilson, made brief addresses to the men.

On November 27, Prof. R. T. Stull spoke to the society on the subject of "Paving Bricks." Prof. Stull is one of Ohio States' prominent graduates in Ceramic Engineering. He has been interested in the paving brick business for a number of years and his talk was very instructive.

Prof. Hewitt Wilson has been added to the teaching staff of the Ceramic Department. He has had experience in various Ceramic industries since his graduation from Ohio State and now comes back again to take charge of part of the work of the Juniors and Seniors.

The United States bureau of mines has established a Ceramic station at Ohio State University. It is the only Ceramic experiment station in the United States and it will endeavor to build up the Ceramic industry and place American products before the public to take the place of imported ones.

An addition will be built to Lord Hall to accommodate the station. On the first floor there will be kilns and a tunnel drier, with laboratories and offices on the second and third floors.

Prof. R. T. Stull will have charge of the station and several ceramicists and chemists will work under him.

It will afford the students in Ceramics an excellent opportunity to study commercial operations along with their class room work as well as to obtain the benefit of the research work carried on. It should prove a big thing for the future of our Ceramic school.

MECHANICAL

Robinson Laboratory is a busy place since the school of Military Aeronautics has been started. Aeroplane engines of all forms are open for inspection by all students and the khaki uniform has nearly driven the civilian clothes out of sight.

The Senior Class started with an enrollment of 15 this year out of a Junior Class of over 25. Since that time Edwards and Schweitzer have joined the ranks and are now somewhere in France.

Two new men have been added to the teaching staff. Mr. May has taken Mr. Brown's place as an instructor in the laboratory and has charge of some junior work.

Mr. Norman, the new professor in Machine Design has been a valuable addition. It was necessary to obtain a new man for this course as Prof. Magruder had too much work with his new duties in the Aeronautical School. Prof. Norman has had a large amount of practical experience as a designer both in Europe and America. He is

recognized as an authority on some phases of turbine design.

At the first two meetings of the Student Branch of the A. S. M. E. officers were elected, committees appointed, new men taken in and plans were laid for a big and successful year.

A get-to-gether smoker was held at the Ohio Union on Nov. 1. Profs. Norman, Marquis, and Fikret gave interesting talks on the benefits of the A. S. M. E. and the openings for a mechanical engineering graduate.

At the regular meeting on Nov. 20, it was decided to make arrangements with The National Tube Co. for a moving picture demonstration of their manufacturing process. Prof. Magruder then gave a short talk on "Why we are here as Engineers, and our Outlook for the Future."

MINING

The first meeting of the A. I. M. E. was called for Oct. 23. The coal shortage made it necessary to hold the meeting at some place other than the usual one, and Prof. Frank May was kind enough to place his offices in the Citizens Bank Building at the disposal of the society. After organizing for the year, the society went on record as being the first on the campus to buy a Liberty Bond. And this is one of the smallest societies we have; eighteen members.

On Nov. 8th Prof. Ray gave an interesting lecture in which he related many of his experiences in Russia at the time of the outbreak of the revolution. During the entire time that he was on leave of absence from the university he was in Russia and Siberia studying the coal deposits.

Mr. Leopold Faustino has been summoned to the Philippines to help train men for Uncle Sam. Mr. Faustino has been in the United States for nearly six years and in the time not spent in preparation for his B. E. M. degree he has been in the employ of the Western Union and the State Highway Department. He took an active interest in the military affairs of the campus. Upon his withdrawal, the engineering faculty granted him his degree since he already had 147 hours to his credit. We all wish you luck "Fosty" and a safe trip home.

When school convened in September, there were nine sophomores, two juniors, and seven seniors registered as miners. Comparing these figures with the registration in the other branches of engineering, the miners are seen to be sadly lacking in numbers. How is this to be accounted for?

ELECTRICAL

The student branch of the A. I. E. E., although seriously handicapped by the loss of several of its active members this year due to war conditions,

yet has made and is making good advances in the manner and kind of its selection of speakers for the regular bi-monthly meetings. Of the many business men who have been secured to speak at these meetings are the following: Mr. C. S. McMeen of the Columbus Railway, Power and Light, and the E. W. Clarke companies; Mr. L. E. Lee, also of the C. R. P. and L., and the E. W. Clarke companies; and Mr. J. C. Lincoln of the Lincoln Electric Company of Cleveland. The branch seems highly pleased in securing men of such sterling ability in the electrical field, to speak before its members.

The electrical show which was to have been held this Spring has been indefinitely postponed on account of unsettled business conditions. Last Spring at the time of election of officers for the student branch of the A. I. E. E., it was decided to hold an electrical show this year and men were chosen to go ahead with the project. But, owing to the present conditions, it has been deemed inadvisable by those having it in charge to carry out the former plans. Unless there is a decided change in the near future, there will be no electrical exposition this year.

The department of electrical engineering has a unique plan to keep track of its alumni, where they are and what they are doing. A large map of the United States, a special map of Ohio, and a list of countries other than the United States where alumni are working are kept in a glass case. Tacks mark the change of locality of an alumnus in the department. A notebook hangs at one side of the case with an indexed list of names and tack numbers to the number of 500.

When an old student moves from one place to another, he sends word to Prof. Francis C. Caldwell, who invented the scheme, and the tack with the number on it corresponding to the alumnus' name follows its namesake across the map. Chicago and Pittsburgh seem to be favored places. Tacks sometimes have to travel a long way, as when F. Tarlox '14 was transferred from Salt Lake City, Utah, to Holtwood, Pa.

Professor Caldwell is at present serving the state as chairman of a committee appointed by the State Industrial Commission to draw up an official factory lighting code for Ohio. On November 15th., he read a paper before the Chicago section of the Illuminating Engineering Society, of which Society, Professor Caldwell is local representative. He is also acting as chairman of the Ohio Electric Light Association.

Dr. Flowers has presented the American Society for Testing Materials with a description of his cylinder oil testing machine. This description has been reprinted in *Power* and in the *Me-*

chanical Engineer of Manchester, England. He is now continuing his work along this line with the help of an assistant paid for by the American Society of Mechanical Engineers.

A paper on the Effect of Brightness of Light Sources on General Illumination was presented by Professor Caldwell before the Illuminating Engineering Society and was reprinted in the *Lighting Journal* and in the *Revue Generale de L'Electricite* of Paris.

CHEMICAL

The demand for chemical engineers has increased so rapidly in the past that the enrollment in this department has grown by leaps and bounds. The laboratories are somewhat crowded as a result but this condition will be relieved with the building of the addition to Chemistry Hall provided for by the last session of the legislature.

It is in the department of chemistry, perhaps more than in any other, that engineers and students of other colleges are brought together for the same work. A large number of students in the colleges of arts and education are majoring in chemistry and hence take the same courses as the chemical engineers. However, the chemical engineer feels that his degree carries an added distinction in the professional world and that he is being repaid for his efforts.

This department has felt the touch of war heavily. Drs. McPherson, Evans and Withrow are all in the government service. G. A. Burrell Ex-'04 is the government's expert on the subject of poisonous gases.

Students in this department were guests at a meeting of the Columbus branch of the American Chemical Society on Nov. 27. Dr. Harkness of the University of Chicago was the speaker of the evening and gave an interesting discussion on the subject "Latent Valencies of Organic Substances and the Structure of Surfaces." The descriptions of methods of measuring the size and energy of molecules and atoms showed the familiarity of Dr. Harkness with his subject and gave a slight insight into some of the difficulties of research in Physical Chemistry.

The student Chemical Society met on October 19, for their annual reception and open night. A lecture on "Steel for Munitions" by Prof. Demorest was enjoyed by all.

At the November meeting the society was entertained by Mr. Hollingsworth, who described "Some Minor Laboratory Manipulations." His lecture showed the results that can only be obtained by much practical research work. G. H. Katz also gave an interesting discussion of "Pure Food Legislation." Through the courtesy of Mr.

Schaaf '05, the society will have the privilege of making an inspection trip through the plant of the Buckeye Steel Castings Company.

CIVIL

The first meeting of the Civil Engineering Club was held on Oct. 16, 1917. After the usual re-organization business extemporaneous speeches were asked for. G. C. Seegar (instructor in the department) gave an interesting description of the summer topographic survey of the Scioto valley in the vicinity of Columbus in connection with the flood prevention work. Mr. Seegar told of the extreme accuracy of both the taking and platting of the notes.

Mr. L. L. Markel then gave an account of his experience in the southern Ohio gas fields during the summer vacation. In the open discussion which followed this talk, the fact that the gas fields were making a steadily increasing demand for civil engineers, was emphasized.

At a second meeting of the C. E. Club which was held on Nov. 20, Prof. C. T. Morris (acting head of the department) was the speaker. The

subject of his speech was "What is Civil Engineering." The various phases of Engineering and realitive work for which the C. E. graduate is fitted were outlined. The illustrated lecture which followed reviewed the history of Engineering endeavor and suggested the broadness of the profession. Professors Sherman and Schlesinger then gave short talks on present opportunities and prospects for the Civil Engineer.

The Military department asked the Civil Engineering department to increase their courses bordering on Military Engineering. This was accomplished to some extent by the addition of four or five new plane tables to the equipment. This allowed them to require all men taking the course in Topographic Surveying to make a map by the plane table method. They also introduced a railroad location survey into the course, which is something of extraordinary importance in the present war. In this and several other ways the Civil Engineering department has been cooperating with the Military department to introduce more Military Engineering into the Civil Engineering course.
