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CAMPUS NOTES

ARCHITECTURALS

On January 19 the Architectural Club held a very interesting meeting. Paul L. Wood gave a review of some of the best known architectural magazines for the month of January. John F. Kennedy gave an interesting description and history of the Schoedinger Mortuary Chapel on East State Street, which is considered one of the finest chapels of its kind in this country. Miss Alice Donnelly of the Department of Home Economics gave an illustrated lecture on the History of Furniture. Then, last but not least, refreshments were served.

February 16 Professor George M. Bolling of the Department of Greek lectured on "Aegean Palaces."

On Wednesday, March 9, Mr. A. H. Burt of the Sherwin-Williams Paint Company, Cleveland, Ohio, lectured on the subject of Painting and Finishing. His lecture was very interesting and instructive. The same evening J. Noel Piersche entertained the club with a very novel chalk talk.

The annual Smock Day ceremonies were held January 22 in front of Brown Hall. The members of the sophomore class each received a blue smock. Professor Ronan and Professor Chubb gave short talks, welcoming them into the "Royal Order of the Smock." In the evening of the same day the annual Smock Dance was held at the Seneca Hotel.

CIVILS

The regular meeting of the C. E. Club was held in Brown Hall on January 11. Mr. C. L. Rood, County Engineer of Lucas County, was the speaker of the evening. He spoke at length on "The Engineers' License Bill." We feel that if all those who are laboring toward this end are as enthused about it as Mr. Rood is, it will come to pass sooner than expected.

Four senior civils, Sieverling, Sharp, Deam and Salvador, are studying the last link of the boulevard circuit connecting the proposed Union Station with the new Ohio Stadium.

This boulevard circuit will be one of the most interesting drives of the kind in the United States, if the solution works out as expected. The total circuit will be eighteen miles long, and there will be only four street intersections on the first six miles, thereby permitting high speed on this section past the Stadium.

There will be one tunnel two hundred feet in length, lined with enameled brick and illuminated with light wells at Olentangy Park. The ravine section from Olentangy Park to Linden will be especially attractive.

The section from Linden east across Alum Creek, thence down that street to Broad Street, which is the link now being studied, will furnish one of the most scenic sections, crossing Alum Creek on a high concrete bridge (Aglar road), thence down Sunbury Pike to Broad Street at Franklin Park.

Mr. H. L. Beach of the Clark Car Company gave a very interesting illustrated lecture on the products of his company. The meeting was held under the auspices of the Civil Engineering Club, Thursday, March 17.

C. A. Miller, O. D. Theocharides and P. S. Yen are making plans and estimates of the cost of the new Union Station as proposed at the penitentiary sight. This work is in continuation of the work done last year, when that sight was demonstrated to be the best possible one in the city.

On Tuesday evening, March 1st, Mr. John Graham, Division Engineer, Ohio State Highway Commission, spoke before the members of the C. E. Club. Among other things, he stated that our four years of school life was not sufficient to turn out good engineers; that it took time. Our school work gave us merely the fundamentals, from which we could build up our career. We must get the primary facts and have them where we can use them. Also we must think things through honestly without outside help.

Courses that are not considered important at the time when we take them develop themselves into highly important factors in later life. These courses enable us to learn to be neat and accurate in calculating; and above all, teach us the ability to concentrate. This, he said, is highly important, and although certain courses have no direct bearing upon our line of studies, is all the more reason why we should study them; if not for any other reason than to get a broader viewpoint on life.

ELECTRICALS

In view of the fact that the freshmen students taking Electrical Engineering do not come into personal contact with the Department of Electrical Engineering, it was decided by the Student Branch of the A. I. E. E. to give a party in honor of the Freshmen Electricals. This party was held Wednesday, March 2, in Robinson Laboratory. The program consisted, first of a talk by Professor Caldwell, who welcomed these men to the department. The men were then divided up into groups and taken on a tour of the laboratory; they were shown all of the electrical apparatus including the wireless set, and for their benefit several of the most interesting stunts from last year's Electrical Show were operated. After the tour refreshments were served and this concluded the reception. The affair was a great success, as shown by the attendance, which was 130, the largest group of student Electrical Engineers ever assembled. This reception will no doubt become a tradition in our department and be repeated each year.

A meeting of the A. I. E. E. was held March 11 in Robinson Laboratory. At this meeting Prof. W. A. Knight talked on "His personal Experiences in the Early Electrical Industry in Columbus." This talk was very interesting, as it pointed out to us just what the pioneers in the

electrical industry had to contend with. Our meetings are held bi-weekly and in the near future we are going to have some very prominent engineers talk to us. Mr. J. H. Hunt, head of the Electrical Division of the General Motors Company, will speak here April 15, 1921.

The following men were elected to membership in Eta Kappa Nu, honorary fraternity for Electrical Engineers, March 12: As associate members, Professors C. A. Wright, A. F. Puchstein and R. R. Dunlop; as active members, D. W. Dean, Columbus, and C. F. Lee, Newark, seniors; juniors, R. L. Brown, Hamler; R. H. Wood, Worthington; W. J. Hayner, Cleveland; J. O. Sherard, Huntington, W. Va., and L. D. Barley of Dayton.

Between semesters the junior Electricals were taken on an inspection trip to the various industrial plants in Columbus and Dayton. The following plants were visited: Carnegie Steel, Jeffrey Mfg. Co., and the Automatic Reclosing Circuit Breaking Co., all of Columbus; the National Cash Register Co., Dayton Power and Light, Peerless Paper Co., and the Delco Co., all of Dayton. While in Dayton the men were guests of Mr. Kettering, '04, who is a trustee of the University, at lunch. Alumni of the University were met at every plant and they took great pleasure in showing the men around. Prof. F. C. Caldwell was in charge of the trip.

The Ohio Radio Convention was held March 15, 1921, at the Southern Hotel, Columbus, Ohio. Professor R. A. Brown of E. E. Department spoke on "Vacuum Tubes and Some of Their Characteristics."

MINING AND METALLURGY

The Student Branch of the American Institute of Mining and Metallurgical Engineers has been fortunate in having some very interesting as well as instructive programs at its recent meetings.

"The Oil Field of South Russia" was the subject of a talk given by Professor Norman of the Mechanical Engineering Department, at a meeting held shortly after the Christmas vacation.

Professor Nold, who attended the annual convention of the A. I. M. E. at New York, made a very interesting report to the student organization at its meeting of February 24.

At its last meeting held on March 10, the A. I. M. E. was fortunate in obtaining a U. S. Bureau of Mines film. This film covered the mining, milling and smelting of copper. It showed the process of mining copper ore in some of the large open-cut operations in Utah and Nevada. Views showing the operations of drilling, blasting and steam-shovel loading were interesting features of the film. The processes of crushing, milling, concentrating and smelting were all shown in great detail.

In the near future we expect to show more films covering varied subjects. "Anthracite Coal Mining," "The Story of Oil," "The Story of Sulphur" and "The Story of Asbestos" are a few of the films the organization expects to obtain.

The new experimental gas retort operated by the Experiment Station of the University, Department of Metallurgy, is practically finished. Gas has been burning in it for the past week to bring up the temperature so that regular runs will begin some time this week.

MECHANICALS

Senior Inspection Trip of Departments of Mechanical and Electrical Engineering

The party, comprising about 75 students, will leave for Pittsburgh at 4:20 on Thursday, March 17.

On Friday the works of the Westinghouse Electric & Manufacturing Company will first be visited. The Electricals will then visit the Union Switch & Signal Company, and the Mechanicals the Westinghouse Air Brake Company and the National Tube Company.

On Saturday the visits will be to the Colfax power plant of the Duquesne Light Company, the Springdale power plant of the West Penn Power Company, and the Arnold factory of the American Window Glass Company.

Saturday night the party will move to Niagara Falls. On Monday the Hydraulic and Canadian power plants of the Niagara Falls Power Company, the Ontario Power Company, the factories of the Carborundum Company, the Wm. A. Rogers, Ltd., silversmiths, and the Shredded Wheat Company will be visited.

On Tuesday the party will divide, the Electrical Engineers visiting the paper mills of the Kimberly-Clark Company and the United States Heat & Light Company in Niagara Falls, and then going to Buffalo after lunch to visit the Telephone Central Office and the exhibits at the Associated Service Building. The Mechanical Engineers will spend the day in Buffalo, visiting the Worthington Pump & Machinery Corporation, Buffalo Forge Company, Pierce-Arrow Motor Car Company and the Buffalo Water Works pumping station.

Tuesday night the party will move to Cleveland. On Wednesday the Electricals will visit the Electric Controller & Manufacturing Company and the National Lamp Works, where most of the day will be spent. The Mechanicals will visit the works of the Cleveland Twist Drill Company, Warner & Swasey Company and the American Steel & Wire Company.

On Thursday the Park Drop Forge Company and the motor car factory of the White Company will be the first visits. The Electricals will then visit the American works of the American Steel & Wire Company, while the Mechanicals visit the H. P. works of the same company, the Cleveland Municipal Electric Light plant and the Brown Hoisting Machinery Company.

The trip will end Thursday afternoon, the students going directly from Cleveland to their homes for Easter. Professor C. A. Wright and Mr. K. D. Price will have charge of the Electricals, and Professor Horace Judd and Mr. Paul Bucher of the Mechanicals.

CERAMICS

The Convention City Claims Another

The 23rd annual convention of the American Ceramic Society was held at the Deshler Hotel, Columbus, February 21, 22, 23. It was one of the most successful ever held, in regard to both attendance and interest. The papers read were both interesting and profitable, and were discussed pro and con in almost every case. Several papers were read by our own students pertain-

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ing to experimental work carried out in the Ceramic Department.

An exceptionally high class program of entertainment was carried through by the social committee of which Professor Watts was chairman. The opening smoker held Monday night was of unusual merit in that it was entirely entertaining, where heretofore this event was considered a secondary business meeting. The entertainment at the smoker was made up entirely of University talent and was praised highly by all present. Following the program refreshments were served and the remaining time spent in dancing.

Wednesday evening the banquet was held and here "Boost Ohio" received another "boost." Professor Harrop designed a very appropriate favor in the form of a napkin ring made of porcelain and modeled after our stadium. Each person present received one of these favors as a souvenir of Ohio State. This affair ended the indoor session and formally closed the convention. The following day was spent in visiting several points of interest about Columbus. The majority of those present being alumni of Ohio State, it can easily be seen that the University was among these points of interest.

The entertaining of the ladies during the convention was placed in charge of Mrs. A. S. Watts.
Ceramic Students Meet

The March meeting of the Student Branch of the American Ceramic Society was held Tuesday,

March 8. It was well attended and was very interesting. Reports upon the national convention were read by members from the junior class. High lights from all papers were included in the reports and from these the students were able to see and to understand the great opening for Ceramic Engineers and the work that can be accomplished.

CHEMICALS

At a recent meeting of the Student Branch of the American Chemical Society, Dr. R. B. Moore lectured on Helium. Dr. Moore is the Chief Chemist of the Bureau of Mines, and had charge of the production of helium in this country during the war.

Nearly all natural gas contains small amounts of this interesting element, but the gas wells of Texas contain it in the largest quantity. It is obtained by liquifying the hydro-carbons by the process of high compression and cooling. The helium, having a much lower boiling point than the other elements, does not liquify, and by this process is obtained in the gaseous state.

Next to hydrogen, helium is the lightest gas and is absolutely non-combustible. For this reason it is very valuable for filling balloons and dirigibles. This country has the only considerable available supply of helium. Its value to us in time of war would, therefore, be inestimable.

Dr. Moore's lecture was well illustrated with drawings and pictures of the plant in Texas. He had a small quantity of helium in steel tubes. He used this in an experiment to show that the gas is absolutely non-combustible.

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