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CAMPUS NOTES

MINING

Ohio State Chapter of The American Institute of Mining and Metallurgical Engineers held its first banquet at Marzetti's Tea Room Thursday at 6:30 P. M., with forty-two in attendance. Several faculty members gave short talks, introduced by William E. Clark, E-3, Secretary and Treasurer of the Club and toastmaster of the evening.

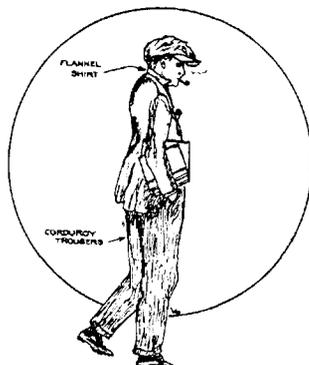
Dean E. A. Hitchcock of the College of Engineering spoke on "Industrial Operation and Management." "There is fifty million dollars lost daily in the industries of the United States as a result of inefficient handling of the human factor," he said. Dean Hitchcock emphasized the fact that the old school of drivers of men is a thing of the past, and the new type of executive cooperates with those under him.

Prof. W. J. McCughey of the Department of Mineralogy gave a brief history of Mining and Metallurgy. It dates back to the second generation after the deluge, the first miner being Javan, the grandson of Noah, and the first metallurgist being his son, Tubal.

Prof. D. J. Demorest of the Department of Metallurgy emphasized the importance of keeping in mind the practical application of theoretical study. He urged the students to establish and nourish an atmosphere of practicability.

Prof. H. E. Nold of the Department of Mine Engineering spoke of the broad field in which the mine engineer worked. He also called attention to the fact that subjects, unappreciated by the students at the time they were being taken, proved their value in later stages of their college career.

Prof. J. A. Bownocker of the Department of Geology talked on gold production with its financial problem.



ENGINEER IN UNIFORM

ELECTRICALS

Prof. F. C. Caldwell has been serving as the chairman of a committee, established for the purpose of choosing a modern and suitable lighting equipment for the Columbus public schools. Of a number of plans that were submitted to the committee for consideration, several are now being tested in various buildings before awarding the contract.

Paul Breeze, senior electrical, has been doing considerable work on his thesis, "The Construction and Operation of a Wireless Telephone Outfit." Each Tuesday and Thursday evening is spent in operating the equipment in the wireless room in Robinson Laboratory. He has been able to listen to conversation from all parts of the country, while his greatest distance for talking has been to Wheeling, W. Va. By means of the wireless telegraph outfit he has reached a number of points on the Atlantic coast and also parts of Mexico.

Mr. Shepardson has been setting up a series-parallel control apparatus for street cars. The equipment is of the Westinghouse manufacture and has been on hand for some time, but is just now being put into operation.

Students of the course in telephones under Prof. Wright made an inspection trip to the main office of the Central Union Telephone Co. just before the vacation. Earlier in the semester a trip was made to Grove City where the magneto type of switchboard and apparatus in use in that town was studied.

Since the last issue of the Engineer three interesting meetings of the A. I. E. E. have been held. Dean Hitchcock addressed the first meeting on the subject, "Selling Electric Power." At the second meeting several of the seniors gave interesting talks on their work of the past summer. Y. T. Yang, a graduate of Carnegie Tech, who is taking graduate work in the department, addressed the third meeting. He talked on the Engineering Achievements in China. A feature of the last two meetings was the supply of cider and doughnuts furnished which were enjoyed by all present.

MECHANICALS

The A. S. M. E. membership drive resulted in obtaining over sixty men. With this number, the society can go ahead on any feasible project and be assured of a good backing. The annual Makio picture was taken in Robinson Laboratory on the Thursday of the last week of school. Let us hope that all of us betrayed our pleasure in the picture by pleasant smiles.

At one of the last meetings, two phonograph records were played giving the speeches of Dr. Hollis, the former president of the A. S. M. E., and of Mr. Miller, the present president. These speeches were given in New York at the celebration of the fortieth anniversary of the founding

of the A. S. M. E. This was held in November of this year.

About twelve candidates signed up for basketball, among whom are two or three of last year's team. We are looking forward to another successful season.

ARCHITECTS

There was a very interesting article on the Ohio Stadium in the November issue of the *Architectural Record* by Prof. Howard Dwight Smith of the Department. It was primarily a discussion of the details of the proposed Stadium, comparing it with the Stadia already built and in use in other colleges in the United States, but Prof. Smith also worked into his article some live "Boost Ohio" propoganda.

Assisting Prof. Smith and Prof. C. T. Morris on the Stadium work are Marion Carter, Clifford Trians and Galen Omen, all graduates of this department.

The discussion on the "Relation Between the Architect and the Architectural Engineer" by Prof. C. T. Morris, was decidedly constructive and should tend to bring the architects and the engineers in our own department into a better understanding of their respective work.

On December 15th Mr. Richards, of the firm of Benham & Richards, of Columbus, gave an interesting talk before the Architectural Club on Town Planning. He pointed out the modern necessity for good city planning and its relation to the health and convenience of the community.

The Architectural Club has adopted the feature of a review of the architectural magazines, current at the time of the meeting, by one of the members. This gives each member a little special interest thru his ability to take some active part in the meetings.

CERAMICS

The activities on the campus prevented the holding of the first meeting of the Student Branch of the American Ceramic Society until Wednesday, November 3rd. At this meeting talks were made by Prof. A. S. Watts, Dr. L. I. Shaw, and Mr. R. T. Stull of the U. S. Bureau of Mines.

The following officers were elected for the year 1920-21: President, J. L. Carruthers; Vice President, D. M. McCann; Secretary and Treasurer, W. C. Stief.

The annual inspection trip of the senior class was made during the week beginning November 8th. The party, under the direction of A. S. Watts, visited the Crooksville Pottery Co. and the A. E. Hull Pottery Co. in Crooksville, Ohio, and the Mosaic Tile Co., Ohio Pottery Co., and American Encaustic Tile Co. in Zanesville, Ohio.

Mr. Stout, of the Ohio Geological Survey, addressed the Ceramic and Mining Societies at their meeting December 15th, on the subject, "Fire Clays and Their Relation to the Engineering Industries."

CHEMICALS

Chemical students were fortunate to hear Dr. Ira Remsen from Johns-Hopkins University, December 13th. Dr. Remsen in speaking to his audience told of the chemical problems of 50 years ago and discussed the taomic weights and periodical law. While here Dr. Remsen was the guest

of Phi Lambda Epsilon of which fraternity he is an honorary member.

Phi Lambda Epsilon has honored by electing to membership the following: Graduates—L. E. Looker, C. S. Martin, W. W. Lake, W. R. Stemen, L. E. Stout, U. S. Jameson, L. T. Capell, C. Y. Chang, and E. P. Almy. Seniors—C. H. Chase, U. D. Campbell, P. G. Hoff, W. A. Lotze, R. S. Hanson, W. W. Mills.

At the monthly meeting of the American Chemical Society, November 15th, Henry W. Heis discussed various problems of glass chemistry. Mr. Heis is the chief chemist for the Libby Glass Company of Toledo, Ohio, and is an authority on Glass Chemistry.

Fred Ford, manager, would like to see all those who would like to play on a basketball team to represent the Chemicals. Here's a chance for someone to make a name for himself.

CIVILS

Prof. C. E. Sherman of the Department of Civil Engineering and Prof. W. D. Turnbull of the same department were in Washington and Baltimore from December 12 to 17, on a business trip for the purpose of arranging with the U. S. Geological Survey Commission for the publication of a map which has been prepared by Profs. Sherman and Turnbull. This map is to contain the most complete surveys of the State of Ohio ever compiled and will be edited in four colors showing the complete public land surveys of Ohio. Another map is being compiled showing the State in relief by shading. The University will have copies of these maps in the Civil Engineering library as soon as they have been completed.

Another purpose of their trip to Washington was to obtain national cooperation with the State in the matter of gauging the streams of Ohio. With the oncoming shortage of fuel, water power must be utilized to a great extent for power. A bill is now prepared and will be presented to the Legislature at the first meeting providing for national cooperation. The gauging of the streams is for the purpose of ascertaining the water supply for some of Ohio's growing cities, and also for flood prevention and sewage disposal.

While in Washington, Prof. Sherman visited the Congressional Library for the purpose of obtaining data for the forthcoming bulletin of the recently established Engineering Experiment Station here at O. S. U. Dean Hitchcock is director of this new station and has charge of the publishing of the bulletin which will appear about June, next.

Prof. C. T. Morris of the Department of Civil Engineering has been granted a year's leave of absence, in which time he will act as chief engineer of the construction of the new bridge across the Olentangy River and consulting engineer of the building of the Ohio Stadium. He has established offices in the Shop Building, room 119. The plans for the bridge are complete as well as the plans for the Stadium, and actual work will be started in the spring.

Mr. J. R. Burkey has been elected acting professor in Structural Engineering during Prof. Morris' absence. Mr. Burkey has been, for the past several years, senior engineer in the Bureau

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of Bridges of the Ohio State Highway Department. At one time he was a professor in the University of New Mexico.

Mr. C. E. Fowler, one of the old-time students, who was given an honorary degree by the University in 1918, has volunteered his services as consultant to Prof. Morris on the construction of the bridge and Stadium. He is one of the eminent structural engineers of the country and is the author of "Subaqueous Foundations."

The Civil Engineering Society held its regular meeting Tuesday, November 30, in room 109, Brown Hall, for the purpose of electing officers for the ensuing year and to discuss social plans. The following officers were elected: H. G. Collins, President; J. D. Shidecker, Vice President; O. W. Merrill, Secretary and Treasurer; O. D. Theocrides, Sergeant-at-Arms; T. N. Finical, Publicity Agent.