

**The Knowledge Bank at The Ohio State University**  
**Ohio State Engineer**

**Title:** Notes of the Campus

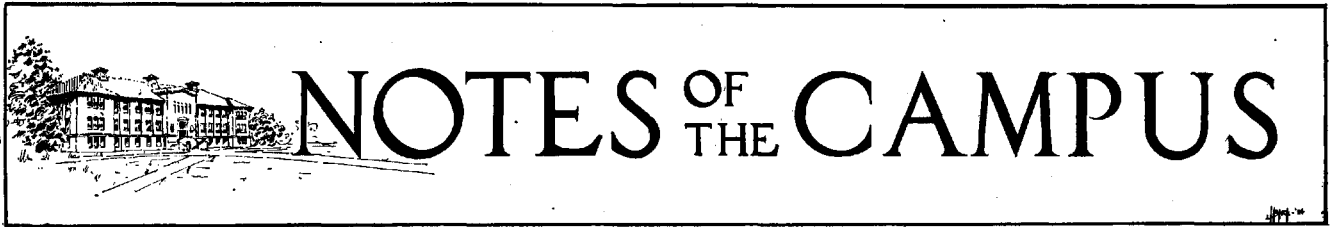
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## ARCHITECTS

The Architects' Club has been very fortunate this year in obtaining speakers of special interest and merit.

On Nov. 15, Mr. Frank L. Packard, well known Columbus architect, gave an illustrated lecture on Rio de Janeiro,—the city and customs of the people. Of special interest were the slides of the American Exposition Building, which Mr. Packard designed, and which is to continue in use as a permanent American Embassy.

On Dec. 6, Mr. John A. Connors, a lawyer of this city, discussed "The Power of Speech."

All engineers admit the necessity for an easy command of language, and all equally deplore the seeming neglect with which this need is treated.

As aides to "more power," Mr. Connors advanced these principles of good speaking:

1. Know your subject thoroughly.
2. Use simple language. Avoid flowery phrases.
3. Be natural. Use a conversational manner.
4. Be earnest.
5. Stop at the right place.

On Jan. 18, Prof. Philip H. Elwood (of the department of landscape architecture), entertained the Club with a premier exhibition of the slides made from photographs taken by Prof. Elwood on his European trip last summer.

The views were principally of the region surrounding Pompeii, Sorrento, Amalfi, Viterbo and Tiboli.

On Dec. 15, this year's unusually large sophomore class became humble members of the Order of the Smock.

After bestowing the required kiss on the Corinthian Capital, the newly elected were impressed by Professor Chubb with the need of special valor and the significance of the different colors. George Birch accepted the responsibilities on behalf of the sophomores.

In the evening of the same day, the annual Smock Day Dance was held at the Elk's Home. Attended by about seventy couples, the dance was voted one of the most successful social events ever attempted by the architects.

December 15, with the enthusiasm created by Smock Day, was a very appropriate day for the first appearance of "The Acropolis." The general satisfaction and approval expressed would indicate the desire for a permanent magazine of this kind.

Not to be outdone by the rest of the department the indoor baseball team copped the Cup which now adorns the desk of Miss Shugert.

## ELECTRICALS

It is interesting to note that there are, in the Class of '23 in this department, eleven foreigners from nine different countries including two South American republics, and also Finland and Poland. A great many of us would be very glad to travel through these countries, but as we have not the opportunity at present we should appreciate these men and get to know them better.

It was previously mentioned that the possibility of lighting the Stadium with floodlights was being investigated, but this is now being carried on as a thesis by three seniors. An old thesis which has been greatly referred to and which tells of the danger of throwing a stream of water onto high tension lines, is now being continued.

Another addition to our museum has just been presented: an Edison Fan Motor, being the one-hundred and sixty-fifth manufactured. This was donated by W. E. Davis of Cleveland, O., who is the father of the two Davis boys who graduated last year.

Professor F. C. Caldwell has been elected a director of the national organization of "Eye Sight Conservation Council." Professor Caldwell will deliver a talk in New York February 6, speaking of the relation that illumination has to eyesight.

An A. I. E. E. meeting was held January 26, Mr. E. F. Biggert, who is a graduate of the class of 1911 and is now in the employ of the Ohio Bell Telephone Company, delivered a talk pertaining to general interest in the telephone field.

Early in the spring of '19 the seed of the present broadcasting station was sown by Professor R. A. Brown.

After the formal opening of the station a great deal of experimentation was required to obtain that nicety of balance and tone which characterizes WEOA at present. The station made its debut to the musical world on Friday, December 8, when Alumni Day celebrators and banqueters throughout the country listened to Dr. Thompson and the stirring strains of Carmen Ohio as played by the University band. The weekly programs have continued and the testimony of hundreds of Radio fans throughout an area limited to a thousand mile radius proves the quality and character of WEOA's broadcasting.

This outfit is worked daily at 1:30 when market reports are broadcast, and at 4:00 p. m., at which time the sport items, news bulletins and reproduced music is "Put on the air."

## MECHANICALS

During the past two months the Mechanicals have had the opportunity of attending lectures by Mr. Frank L. Packard, Columbus architect, on "Rio de

Janeiro and its Surroundings;" J. M. Sweetzer, American Rolling Mills Co., on "Men, Money and Management," and Professor Ray of the Mine Engineering Department on "Conditions in the Coal Industry." From our own department came two of the best lectures of the year. Professor Norman favored us with an illustrated lecture, depicting some of his adventures and engineering experiences in Finland, Germany, Russia and America. Allan J. Smith gave some very interesting problems with which he had been confronted before entering the University.

Graduates and undergraduates in Mechanical Engineering have come in for their share of honors recently bestowed upon engineers. Although his achievements have been mostly in the electrical engineering field, the mechanicals are proud to claim Benjamin G. Lamme, first recipient of the Joseph Sullivant Medal, as a graduate of this department in the class of 1888.

Among the nine engineers initiated into Tau Beta Pi, honorary engineering fraternity, in December, were S. P. Moyer and D. E. McGuire. Moyer was presented with an enlarged replica of the "Bent," the official emblem of the fraternity, for contributing the best essay in a contest among initiates. His subject was "Human Engineering."

Pi Mu Epsilon, honorary mathematical fraternity, initiated in November, the following senior mechanics: Allan J. Smith, John C. Sharp, Homer M. Faust and John H. Nodes.

At the last A. S. M. E. meeting of the quarter, three new officers were chosen to serve during the winter quarter: E. W. Barnhart, President; A. J. Prinz, Secretary, and A. L. Marshall, Treasurer.

Professors Magruder, Marquis and Brown from the Mechanical Department attended the Forty-Third Annual Meeting of the American Society of Mechanical Engineers held in New York, December 4th through 7th. Professor Magruder was elected delegate for this district and was chosen chairman of the nominating committee. A paper, "The Effect of Pulsations on the Flow of Gases," by Professor Jull, was read at the second day's session.

Professor Magruder also served as the Ohio State University representative at the Student Session on December 6. The manner in which various problems were handled in the different branches was discussed. Recommendations were offered and in many cases, votes were taken on questions presented by the society in an effort to improve the status of the student member. These questions, in the main, dealt with:

1. Student association with national engineering societies.
  - a. Best form of association.
  - b. How encourage student membership after graduation?
2. Aid of National Society.
  - a. What is most interesting material in student column of A. S. M. E. News?
  - b. What type lecturers or speakers is most helpful to the student?
  - c. How make prizes create greater interest?
  - d. Is branch receiving proper personal attention by society?
    1. From Headquarters?
    2. In way of visits from officers of society.
  - e. How successful is branch in developing papers among students?

The indoor baseball team met with fair success during the season just closed. The loss of one game placed the team in second position in the league. Prospects for a good basket ball team are bright.

#### CIVILS

That Columbus is having a zoning plan made is not widely known to many people. Mr. Johnson (C. E. '22) gave some sidelights on this subject before the student branch of the A. S. C. E. at their last meeting of the Fall Quarter. The zoning of Columbus is about completed. Mr. Johnson has been assisting in this work.

On January 16 Mr. Schryver, valuation engineer for the T. & O. C. Railroad, discussed before the A. S. C. E. student body the subject of "Valuation of Railroad Property." Mr. Schryver has been on this work for a number of years. The valuation of railroad property is one of the requirements exacted by the Government of the railroads. In making valuations of railroad property everything is considered, such as rolling stock, yard facilities, miles of track and property. Mr. Schryver is an Alumnus and a forceful speaker.

#### CERAMICS

The Ceramic Society was addressed on December 5 by Mr. A. P. Potts on "Some Factory Problems Every Engineer Must Meet." Mr. R. M. King gave a very interesting talk on "Carbon Electrodes."

On January 9 Prof. C. B. Harrop, who is a national authority, talked on "Tunnel Kilns" and Earl Baldauf discussed "Hollow Building Tile Plants."

The system of having a senior give a preliminary talk at each meeting has been found advantageous in increasing interest.

The senior class lost two of its members last quarter by graduation, now leaving nine men who will graduate in the spring.

The annual convention of the American Ceramic Society will be held in Pittsburgh from February 12th to 16th, and the majority of the senior class will attend.

As this issue goes to press the senior class is developing a series of low temperature colored glazes for art ware. The seniors are starting actual work on their different theses and some very interesting results will probably be developed. Mr. J. T. Robson, an assistant professor, has obtained some valuable information as a result of a study on Dolomite as a Basic Refractory. R. M. King is working extensively on heat conductivity of refractories. Curren and Smith, seniors, have just burned a kiln containing some experiments on high temperature porcelain art ware. The Bureau of Mines has just completed a kiln expected to maintain a temperature of 3200° F.

#### CHEMICALS

At a recent meeting of the Chemical Society, Professor Foulk gave a very interesting talk on "Information Obtained from a Sophomore."

Dr. Loevenhart of the University of Wisconsin spoke here this month under the auspices of Sigma Xi. He has been conducting research on Biological Oxidation and his lecture was concerned with this subject.

Dr. James R. Withrow attended the meeting of the National Engineering Council, to which he is the representative from southern Ohio, the week of

January 10. He lectured before the Chemical Society on the events of this meeting.

The local branch of the Society of Sigma Xi will have the following lecturers here some time during the year: Professor Fisher of the University of Cincinnati; Professor Day of the Geophysics Laboratory, who will lecture on "Theories of Volcanism," and Mr. Emerson, who will talk on "Eugenics" January 31.

The annual election of officers of the Chemical Society will take place the first of February. The Society plans to hold a dance in Pomerene Hall some time during February.

#### MINERS AND METALLURGISTS

A. W. Seabright, E. M. '20, recently gave a talk before the society on his work and experiments during his two and one-half years in the Alaskan coal fields. Seabright's work varied from mine work at the Chickaloon fields to foreman of the coal washery at Sutton and to mine surveyor at Eska.

He stated that the coal fields are badly warped and faulted—the pressure in some places having been so great that the coal has been entirely squeezed out, and in many places volcanic intrusions have burned and coked the beds. The mines, which are in the development stage, are worked on the room and pillar system.

Six thousand tons of the Chickaloon has recently been used by the Navy as a test. Unofficial reports state that it is equal to if not better than the Pochontas coals. This coal is very friable and is classed as semi-bituminous.

Seabright goes on to say that Alaska is not the bleak country that many people suppose it to be. In the spring and summer months it is a land of flowers and berries with wild roses and fireweed growing in abundance. In the winter one has access to dances, athletics, hunting and a few theatricals. On the whole Alaska is a very enjoyable country.

Early in December the annual A. I. M. M. E. banquet was held at the Southern Hotel with an attendance of about thirty-five.