

The Knowledge Bank at The Ohio State University

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DEPARTMENTS AND SOCIETIES

ARCHITECTURE

Professors of architecture hand in homework too.

A plan was started this quarter whereby all architectural students in design were to hand in five sketches a week in order to improve the expressing of ideas pictorially. This assignment proved to be too much, and all the students in the department petitioned for its removal. The number of drawings has been reduced to three and all professors are handing in three sketches also, both to show the students it can be done and to keep in practice.

The sketches may be on any subject. The drawings are hanging in the corridor of Brown Hall.

QUADRANGLE JESTERS

"Folks they are at it again." After lying dormant for two years, Quadrangle Jesters, the dramatic group in the engineering college, has rejuvenated with great alacrity. The vehicle to be produced this year is that hilarious three-act comedy of Brandon Thomas entitled, "Charlie's Aunt."

For the first time since its origination the feminine touch will be injected into the atmosphere. Young ladies in the engineering college will supply the feminine leads. Under the instruction of Bill Merrick the cast is practicing very diligently to produce a bigger and better success.

The pony ballet, "hoofers" to you, composed of male females, will perform between the acts, and promise to steal the show. Directed by Charlie Pressler, the art of the light fantastic is gradually being perfected, and is a sure-fire bet to be a howling success. If the gayety, clamor, and the spirit shown during rehearsal is any indication of their ability, they surely will be masters in the art of terpsichore.

The theme of the show, in general, concerns the plight and the predilections of a college gent impersonating a millionaire, and should prove a rip-roaring farce. Both the cast and the dancers have been practicing tediously and are doing their utmost to fulfill the traditions of Quadrangle Jesters.

The financial worry for this year's performance scheduled for April 30th, has again been delegated to Professor Paul N. Lehoczky, due to his success in the handling of the finances in the last production.

All in all the show will go on, and should prove to make a delightful evening for everyone.

A. S. M. E.

Speaker at the January 29 meeting of the American Society of Mechanical Engineers was Mr. Hall, assistant director of aeronautics of the state of Ohio. Mr. Hall gave an interesting description of some of his early flying experiences, including the operation of one of the

first commercial air lines in the country. In conclusion he outlined the work of his office in helping to establish adequate airport facilities in Ohio's principal cities.

Professor Bradford who is assembling a photographic history of the University, presented at the February 5 meeting lantern slides of campus buildings and power plant equipment from the founding of the University to the present time. Professor Bradford was one of the two graduates in the department of mechanical engineering in 1883.

Mr. M. M. Boring, director of personnel for the General Electric Company, spoke at the February 12 meeting. In discussing his subject, "The Graduate's Employment Situation," he brought out the fact that employment conditions have been underrated and stated that there are six jobs for every engineering graduate. Discussing the process of obtaining a job, he stressed the importance of character, personality, and ability. Guest at the meeting was Mr. Herron, national president of the A.S.M.E.

Sound pictures depicting the use of diesel tractors in United States and abroad and showing operation of the diesel cycle were presented at the February 19 meeting by Mr. Goss, sales engineer for the Caterpillar Tractor Company. After the pictures Mr. Goss explained the fuel injection system of the diesel engine and then answered questions.

At the February 26 meeting the A.S.M.E. dance was postponed to next quarter. C. W. Bowers, department of business organization, spoke on "Unemployment Insurance." He described the Social Security Act which President Roosevelt has mentioned as the most important of new deal legislation. Throughout his description he pointed out applications of the act to future engineers.

A. I. E. E.

Wednesday evening, January 27, about 60 members of the student branch of the American Institute of Electrical Engineers visited the plant of the National Electric Coil Company. The members of the engineering staff of that company conducted small groups of students through the plant and explained each operation very thoroughly. Before leaving, the visitors were given pencils bearing the name of the company.

February 11 and 12 were very active days for A.I.E.E. as it had two social meetings and one lecture in these two days. A dinner meeting was held at Pomerene Hall on February 11 with Mr. Wilson R. Dumble of the department of English as the guest speaker. As an after-dinner speech, he discussed the works of Maxwell Anderson. That same evening, after the dinner meeting, Professor William L. Everett discussed the latest developments in television.

This eventful week-end was closed with a dinner-

dance held by A.I.E.E. and Eta Kappa Nu at the State Restaurant on February 12. Professor and Mrs. Harold W. Bibber were the chaperons.

At the February 25th meeting of the A. I. E. E., Mr. Sylvester Berger, E.E. 4, lectured to the members on the effects of temperature on mercury vapor rectifying tubes.

Mr. Berger, while working a laboratory experiment, discovered that the mercury vapor tube acted peculiarly under certain conditions. Later, as a research project, he proceeded to find out the reason for this peculiarity. After much work, he concluded that it was the excessive temperature which caused these phenomena and set out to prove it.

By devising an oil bath for the tube in which the temperature could be raised, lowered, or kept constant, the tube characteristics were studied under different temperature conditions. From this set up, it was found that the tube, at certain high temperatures, would cause a steady state d.c. to fluctuate violently. When this current was connected to a loud speaker, many unpleasant sounds were heard, sounds which were more irritating than common static. This, Mr. Berger explained, was due to the negative resistance in the mercury vapor tube caused by the high temperatures. This condition set up oscillations in the tube which caused the static.

In closing, Mr. Berger demonstrated his theory by means of the oscillograph, the loud speaker, and mathematics.

SIGMA GAMMA EPSILON

At the early February meeting of Sigma Gamma Epsilon an election of officers was held. Jack Cashell was elected president, and Robert Shurtz, corresponding secretary.

On February 18, a formal initiation was held for James Castner, Gilbert Arnold, David Rohe, Richard Spurier, and Benjamin Keidansky. Following the formal ceremonies, the newly initiated members were the guests of the fraternity at a dinner held at the Dutch Tavern.

Richard Sayrs and Joseph Kelley, graduating seniors in group, were the honored guests of a dinner dance held at the State Restaurant, Saturday evening, February 27.

A. I. Ch. E.

The winter quarter activities of the American Institute of Chemical Engineers were opened with a smoker held at the Delta Tau Delta fraternity house Friday, January 15, with more than 80 members present. Mr. Arthur Wuest showed moving pictures of last fall's football games, some of which were in color, and also pictures taken of last year's western inspection trip. Refreshments were enjoyed after the program to conclude the meeting.

On January 18, Dr. H. E. Fritz, chemical sales manager of the B. F. Goodrich Co., spoke on *What Industry Demands of the Chemical Engineering Graduate*. In his talk Dr. Fritz stressed the importance of ethics, good report writing, and the proper attitude of respect to one's superior in becoming a successful practicing engineer.

An impromptu meeting was held Friday, January 22, with Dr. F. C. Flint, president of the American Ceramic Society, giving a short but interesting talk on the history of the glass industry and its development into a chemical engineering industry. The talk was followed by a discussion, a number of the 50 members present taking part.

The speaker at the regular monthly dinner meeting on February 2 was Mr. John Traquair of the Mead Corporation, Chillicothe, Ohio. Mr. Traquair spoke on *Recent Developments in the Pulp and Paper Industry*, dealing with various problems met in the manufacture of various kinds of pulp and paper. At this meeting plans were discussed concerning the holding of a chemical engineer's dance sometime during the early part of the spring quarter.

On February 11, Dr. Ernst Berl, Professor of Research at the Carnegie Institute of Technology, and a German scientist of note, addressed the members at a meeting in Room 154 on *Scientific and Technical Achievements*, listing many achievements that have been developed through the application of science. In his presentation of the paper he also gave short resumes of the lives of several famous scientists such as Faraday, Keckule, and Newton.

The A. I. Ch. E. met jointly with the chemical engineering section of the Ohio Society of Professional Engineers at the Deshler-Wallick hotel Friday, February 12, to hear the various papers presented, many of which were by members of the chemical engineering staff.



YOU Remember!

**The Real Old-Fashioned
Engineers Round-Up Stag-Style**

WEDNESDAY, APRIL 14

Departmental Skits — Debate — Refreshments