



CORREY LYNN

ARX DANCE—

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vary with the desires of the dancers and all may rest assured that Correy Lynn's orchestra will play either swing or sweet music with equal capability.

Arrangements for the dance are in the hands of a committee consisting of Ray Dodge, Thurber Stowell, Leonard Reinke, and Eugene Pointek. This committee is to be congratulated for the excellent manner in which they have formulated their plans.

The Shawnee Club has offered the use of two large lounges, open terrace, and fountain room in addition to the Grand Ballroom. The club borders on Lake Michigan and is surrounded by beautiful landscaping. Decorations for the clubhouse will be kept in accordance with the natural architectural beauty of the sturdy oak construction of the building.

"Engineer" To Feature Fire Marshall Story

This week will see the distribution of the October issue of the *Armour Engineer and Alumnus* from the alumni office. Featured stories this issue are a recount of the activities of the Chicago Fire Department by Michael J. Corrigan, and an article on the development of the track type of tractor by B. C. Heacock, president of the Caterpillar Tractor Company.

All of the usual features of the *Engineer* pertaining to the alumni will also be found in the current issue. That means the lists of activities of some of the old grads, missing names, and class activities. All of the recent changes in the faculty and a resumé of the last president's report are also to be found.

Striking Views

One of the primary features this time is the excellence of the pictures. Several striking views of apparatus of the fire department are shown, and a set of spectacular scenes on the uses of tractors in moving large bodies of earth.

Last June's commencement address by Franklin H. Fowler, president and general manager of Foote Brothers Gear Works, is also reprinted in its full text. Delivered at the Museum of Science and Industry the speech was entitled "Character in Industry" and told of the qualities necessary in a graduate in order to succeed in the industrial world today.

The story of Joseph S. Duncan, one of the men who were awarded honorary engineering degrees by Armour last June, is brought out by the line of "Inventor and Business Man." This article is the story of the invention and development of the Addressograph company.

Air Story

Other features are stories by A. Walcher, vice-president of the American Steel Foundries and an informative piece by Lt. Col. Joseph H. Davidson of the Army Air Corps on the founding of air training courses for college men.

Direction, editing, and make-up are all being done by one man, Prof. J. B. Finnegan. With the resignation of Prof. Hendricks from the Engineer staff last summer, Mr. Finnegan was appointed to take over the job. Active for several years in the publication affairs of the institute, an honorary member of Sphinx, the honorary literary fraternity, and a former member of the student publications board, Mr. Finnegan was the logical choice for the job.

Dr. Tibbals Travels Widely As Armour Delegate At Large

Dr. C. A. Tibbals, our widely traveled dean, returned to school last Friday from a week's tour through the eastern portions of the country. He visited several institutions of learning in a more or less official capacity, depending on the occasion.

On October 19 the dean represented Armour at the installation of Harry D. Gideonse, former professor at the University of Chicago, as president of Brooklyn College. More than 250 colleges were represented at this function. Another day was spent at the Polytechnic Institute of Brooklyn, a school which is very similar to Armour in many respects.

Attends Convention

October 23 and 24 were spent at the 26th annual convention of the Association of Urban Universities, of which Armour is now a member. Several interesting meetings were attended, and consultations held on the problems of school administration.

Two men from Armour were present at the centennial of the birthday of Robert Henry Thurston, distinguished mechanical engineer. A large number of engineers and educators were present at this affair, and Armour was represented by Dr. Tibbals and Mr. William S. Monroe, a member of the board of trustees and member of the American Association for the Advancement of Science.

Junior Class Holds Meeting This Friday

Every member of the Junior class should attend the first meeting of his class, which will be held Friday, November 3rd, in Science Hall. It is important that all juniors attend, for among the topics to be dealt with are the selection of the election date for Junior Marshals and the organization of the class in preparation for Junior Week activities.

The Radio Laboratory Purchases A Q-Meter

Students who are taking the radio engineering course with Professor Sear this year will be able to work with a Q-meter, the newest piece of radio lab equipment. The Q-meter is one of the most versatile instruments that a high-frequency laboratory can have. Among its uses are measurements of losses in coils, condensers, dielectrics, and antennas. A self contained oscillator in the meter generates voltage for these tests, which can be made at any frequency from 50 to 75,000 kilocycles.

Among other new equipment acquired by the electrical department is a 30,000 volt insulation transformer, donated by the Standard Transformer Co. of Warren, Ohio. W. P. Parker, president of this company, is an Armour graduate, class of '05.

A.S.C.E.

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sunk. The section which is added is usually 12 feet high, but since the concrete is not heavy enough to sink the caisson far enough it has to be filled with water.

As the caisson sinks deeper it has to stand up against higher water pressures. The false timber bottom which is about 5 feet thick consists of wedge joints which will resist these pressures and the inside of the caisson has reinforced concrete walls which are 2 feet thick. The outside walls are 3 feet thick.

The caisson sinks deeper and deeper. Just before it touches the bottom a diver goes down to make the ground level to prevent the caisson from tipping over. The leveling is done of a water hose which has about 200 pounds pressure which washes away the sand bumps until the ground is level. After the caisson has set on the bottom a diver goes down to disconnect the timbers. The ground inside the caisson is excavated and the pier is driven about 50 feet to 75 feet into the sand. This work is impeded by the current if it has a velocity of about 10 m.p.h.

Four Men Pledged At A.I.Ch.E. Meet

Prof. McCormack was unexpectedly the principal speaker at last Friday's meeting of the American Institute of Chemical Engineers. The program was devoted to pledging the candidates to Phi Lambda Upsilon, the honorary chemical fraternity.

Henry Newman, president of the organization, introduced Professor McCormack, who made a brief introductory speech before turning the meeting over to the pledging. He pointed out that although the technical ability of a graduate is assumed, it is the more intangible qualities of a man's character that influence his career. In addition, he said that the organizations and group activities in which a student participates mold and form his background. Only a portion of his professional training is actually obtained in the class room.

Four men, three seniors and one junior, were pledged. The seniors were Robert J. Collopy, John R. Gerhardt, and Constantine A. Kazmierowicz, and the junior was Robert Mead.

As the first part of his duties as a pledge, Mead presented a 20 minute talk on the subject of "Paper." After this speech, Professor McCormack told of some of the more modern developments in this art, and went into considerable detail explaining some of the least familiar parts of the subject.

Request New Blood for Armour Staffs

Two of Armour's publications, the *Cycle* and the *Armour Engineer* have vacancies on their staffs, particularly in the copy reading departments. Students with ability and available time for editorial work are urged this week to join forces with Eugene Worchester in preparation of this year's annual and with the staff of the *Engineer*.

Editor E. H. Worchester stated in an interview that all pictorial matter for the *Cycle* will be ready by Christmas, making possible an early distribution date.

SNOW CRUISER—

(Continued from page one)

A special steel has been used in the construction of the body so that it will absorb 15 times the impact of ordinary steel at temperatures under 50 degrees below zero without break-out. It was also selected because its strength is twice that of regular steel under alternating and vibrating loads.

The \$150,000 Cruiser is 75,000 pounds gross weight, 55 feet long, 15 feet high, 20 feet wide and has a speed of 10 to 30 miles per hour over a cruising range of 5,000 miles. On its back is a five passenger plane fitted as a flying scientific laboratory which takes ten minutes to load or unload. Equipment worth \$50,000 is to be carried in the cruiser. This and the Cruiser remain the property of the Research Foundation of Armour, although the Government will assume responsibility for maintenance when it is officially turned over to the expedition.

Casualty Talk Before F.P.E.S.

Mr. F. G. Fabian, graduate industrial engineer from Sheffield Science School of New Haven, Conn., addressed the F.P.E.S. last Friday. His talk was largely devoted to Safety Engineering work with automobile fleets and lumber mills. He enumerated cases that have been brought to his attention in his work in the casualty department of Marsh and McLennan. Mr. Fabian emphasized the importance of human behavior in safety engineering.

Approximately 80 per cent of accidents that occur in the average plant are caused through human failure. Safety engineering is becoming a very specialized field. Methods have been developed for illustrating by graphs and charts the effects of safety engineering in the casualty insurance field to the insured.

Seniors Return To Government With Officers

Leading off in their year's activities, the class of '40 held their general class meeting last Wednesday morning in the assembly hall. Headed by Don Sunde, a free discussion was held on the subject of whether to have a commission form of government or to return to the class officer method. After long and loud debate it was determined that the old system was the best, and it was announced that all those desirous of running for any offices should give their names to the members of last year's commission.

With the election primary set for yesterday the seniors have formed the nucleus for their future activities. Several commissions have to be appointed to take care of the important business of the graduating class. Announcement committees and jewelry salesmen must be appointed in the near future. Social activities will be in the hands of the usual social chairman, whose duty it will be to get the senior dance off to a good start in the near future.

Set Precedent

In dispensing with the commission form the seniors have set a precedent. In former years the classes have all held to this form once it was established. Reasons for the abandonment were that the commission for was too inefficient because of the tendency to pass the buck to some one else, resulting in lack of responsibility. It also made it difficult to see any one person and get something done within a reasonable time.

Present feeling is that the adoption of the class officer system will help to bring back the efficiency which should exist. It will place definite responsibility on each and every man and will make possible the conclusion of business with greater expediency.

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In this scene from Walter Wanger's current hit **ETERNALLY YOURS** DAVID NIVEN, as the magician, has put into the glass globe the right combination of ingredients to produce the beautiful LORETTA YOUNG... Just as the right combination of ingredients (the world's best cigarette tobaccos) are put together in CHESTERFIELD to give you Real Mildness and Better Taste.

For your pleasure... **The Right Combination** of the world's best cigarette tobaccos

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