



## ISSUE 27 BIDS TO SECOND ANNUAL INVITATION INDOOR TRACK MEET AT U. C. GYM

Anticipate Intense Competition Among Men in Effort to Shatter Records

### TWELVE EVENTS ON SATURDAY'S PROGRAM

The Second Annual Invitation Indoor Track Meet, the outstanding sports event at Armour will be held at Bartlett Gymnasium next Saturday, March 29, at 2:30 P. M.

Invitations have been sent to Crane, Beloit, Lombard, Milliken, Illinois Wesleyan, Culver, Loyola, De Paul, "Y" College, Chicago Normal, Joliet, Cornell (Ia.), Illinois State Normal, Wheaton, Butler, Carroll (Wis.), North Central (Naperville), Concordia, North Park (Chicago), Thornton (Harvey), Knox (Galesburg), Monmouth, Morgan Park M. A., Mooseheart, Morton, and Elmhurst. Replies have not been received from all of these schools yet, but present indications are that at least fifteen schools will be on hand at the time of the meet.

Those in charge of the meet hold high hopes of many records being broken and predict, at the very least, some intense competition between the individual men of the teams rather than between the teams. This will be an added incentive for each man to put forth his best and set a few new records.

The eligibility of the contestants will be governed by the rules of the institutions from which they come. The National Collegiate rules will be adhered to in the judging of the events. Points will be awarded to individual members and not to teams. There is no entrance fee nor fees of any other kind connected with the meet.

The program of events will be as follows:

50-yard dash, 50-yard low hurdles, 50-yard high hurdles, 220-yard dash, 440-yard run, 880-yard run, one-mile run, two-mile run, high jump, pole vault, and shot put.

### Dr. Ivy Addresses Chemical Society

At a meeting of the Chicago section of the American Chemical Society, held Friday, March 1, at the City Club of Chicago, a talk was given by Dr. A. C. Ivy, Professor of Psychology at Northwestern University Medical School, on the subject "The Gastro-Intestinal Hormones."

### F. P. E. S. Smoker Tomorrow Evening

The Annual Fire Protection Engineering Society smoker will be held at 8 o'clock on Wednesday evening, March 26, at the Delta Tau Delta House, 3155 South Michigan Boulevard.

The winner of the prize, which is offered by Salamander to the F. P. E. Freshman making the best scholastic grades for the whole first year, will be announced. The prize, consisting of a handbook, will be awarded.

The Chicago alumni of Salamander are being invited, also the F. P. E. Department and some of the men on the Scholarship Committee. Dutch Masters, cigarettes, and refreshments are being provided in a big way so that there will be plenty for all.

#### NOTICE

Starting with next week's issue of the Armour Tech News, the architects will be given a special column on the third page for their news. Anybody having any personals or other news should turn them in to H. P. Richter, '32 or E. C. Kubicek, '32, before Thursday of each week.

### Cycle Receives Honorary Rating

The certificate of award won at the Ninth National Yearbook Contest of the National Scholastic Press held at the University of Minnesota by the Cycle Yearbook of Armour Institute has been placed in the main lobby. This contest was under the department of journalism of the University and the judges were the most competent available, according to Norman Buehling. The all-American award won by the Cycle, represents superior quality in all fields, and is the highest award given. A certificate has been sent to Armour and is now in the lobby of the main building.

### Senior Jewelry Now on Campus

Senior class rings which were ordered on February 28, will be delivered to the school today and immediately distributed among the members of the jewelry committee. Men who ordered rings will be able to get them from the men who took their orders. The keys will be delivered in about a week, the delay being caused by the difficulty in getting the stones for them.

Before receiving either a ring or a key, the man who ordered it must pay the balance due. On rings this balance is six dollars and fifty cents and on the keys, four dollars.

Any men who wish to order jewelry now should see Vernon Sturm personally.

### Scarab Awards Medals for Recent Project

Avron L. Simon and Donald G. Braun were presented the Scarab medals won by them on their designs for the problem, "A Commemorative Hall," at the last meeting of the fraternity on Thursday, March 20, 1930. The members of the Scarabs meet twice monthly to have lunch at the Men's Grill in the Marshall Field Building. These meetings are strictly informal and there are generally many of the alumni present.

The problem was to design a hall, dedicated to those who fell in the World War. The competition included the entire Sophomore class and the two best of all the designs submitted were chosen for the medals. The first prize was a silver medal and the second prize a bronze.

### Insurance Manager Outlines Office Work

Mr. Harry G. Casper was the speaker at the bi-weekly meeting of the Fire Protection Engineering Society, Wednesday, March 19, in Science Hall. Mr. Casper explained the position and duties of the manager of an insurance company. He is well qualified to speak on this topic as he is manager of three companies. Their system of receiving and filing policies was explained in detail. The various types of policies are all numbered and to file a record of the policy, these numbers are punched on small cards. These cards are automatically separated by a most intricate machine, which has long fingers. The Fire Protects were invited to see the machine at any time.

E. J. Ransel, president, then announced the date of the annual F. P. E. S. Smoker, and urged all Fire Protects to pay their dues so that they might attend.

Marvin R. Dobberman received a 2nd medal on his recent class A project, A Horticultural Society Building.

### Announcements of Graduation Ready

The Senior announcement committee, headed by John W. Hurley, chairman, has awarded the contract for the graduation announcements to Charles H. Elliott Company. Samples of the completed announcement cards are in the hands of the committee, who are now taking orders for them.

The cards are of two types; the first is with black or white cardboard covers, on which is a gold motif with raised letters. This will be sold at twenty-eight cents a piece. A similar design, but upon a black leather cover, is offered at fifty-five cents. The men forming the committee, and who are taking the orders are:

John W. Hurley  
Emil Blomme  
Russell A. West  
Morris O. Nelson  
Walter D. Wilson

### PETITION PALMER TO INCREASE BIDS FOR JUNIOR PROM

Berlyn G. McLaughlin, social chairman of the junior class, today is circulating a petition asking Dean Palmer that the class be allowed to charge \$8.50 for the bids of the Junior Formal, which is to be held on May 16. McLaughlin says that unless 150 names are obtained, the dance must be run at a charge of \$7.50 per couple, which would mean that the affair would necessarily be less elaborate than the formal given in former years.

The reason for the increased tax is the low state of the finances of the junior class. There is no money left in the class treasury to make up for the loss which the formal usually incurs. The affair must be absolutely self-supporting. Members of all classes can sign the petition.

Negotiations are now under way for the use of the Balloon room of the Congress Hotel, according to McLaughlin. Ted Florito will probably furnish the music.

### Professor Huntley Seeks Village Office

Professor Huntley of the Mechanical Engineering Dept. is not only a scholar but a politician as well. He is running for Trustee of the Village of Riverside. There are three to be elected and as yet only three have been nominated. The election is to take place on April 8, 1930.

The Trustees are analogous to the Councilmen in the city government. That is, they have charge of the government, and direct the policy of the village, its expenditures and taxes.

#### SENIOR POSITIONS

Mr. W. S. Jones of the Shell Petroleum Corporation of St. Louis, Missouri, will speak to the Senior Mechanicals and Chemicals on Friday, March 28, concerning positions with his company after graduation.

#### CALENDAR

Tuesday, March 25

Phi Lambda Upsilon smoker at the P. L. U. rooms

Wednesday, March 26

F. P. E. S. smoker at the Delta Tau Delta house.

Pi Tau Sigma smoker at Tri-angle house.

A. I. Ch. E. smoker at the Phi Pi house

Saturday, March 29

3:00 p. m. 2nd Annual Armour Tech Indoor Invitational Track Meet at Bartlett Gymnasium.

## DR. LEE DE FOREST EXPLAINS EARLY RADIO EXPERIMENTS IN ARMOUR LABORATORIES

First Successful Wireless Apparatus in America Developed by Noted Inventor

### DISCOVERED THREE ELECTRODE VACUUM TUBE

#### DISTINGUISHED VISITOR



Dr. Lee De Forest & Pres. Raymond

Dr. Lee De Forest, the Father of Radio, was the speaker at an assembly Thursday morning, March 21, all classes attending.

After a few numbers by the orchestra, Dr. Raymond presented the speaker of the morning with a few reminiscent words of introduction.

Dr. De Forest told of his coming to Chicago in the fall of 1899 to take a position with the Western Electric Company, after having been graduated from Yale University the preceding June. He related his first connections with the institute as an assistant instructor in the Electrical Department and how he was given a free rein in the laboratories in return for his services in teaching classes.

It was very interesting to hear Dr. De Forest's version of the first trials of his wireless telegraphy, from the Institute to the Auditorium and the Lakota Hotel and from a yacht on the lake to a receiver on the four-mile crib.

#### Aided by Professor

Dr. De Forest realized that the need in wireless was a detector so signals could be heard in phones. So with the aid of Professor Clarence Freeman and knowledge gleaned from books in the Grerar Library he perfected an electrolytic detector which supplanted the troublesome coherer.

In New York, Dr. De Forest experimented with hot gases and their conductivity of electric impulses. Using first the Bunsen flame and then an electric arc, he finally developed the three electrode type of tube in 1906, employing platinum wires and a perforated sheet of metal at first and then the developed grid type with woven wires for the third electrode.

During the war, the government purchased his heterodyne detectors, (Continued on page 3)

### Sphinx Pledges Twelve New Men

Sphinx, honorary literary fraternity, held a pledging smoker at the Phi Kappa Sigma house. The following men were pledged in recognition of their work on one of the school's publications.

#### Cycle

A. H. Jens  
O. R. Murphy  
R. A. Timmermans  
R. N. Wilson

#### Engineer

A. J. Lenke  
C. T. Link  
I. G. Katz  
J. H. Stranberg

#### News

K. A. Knittel  
A. F. Wille  
A. B. Auwerbach  
F. B. Attwood

### Schommer Referees Catholic Tournament

Professor Schommer was the chief referee at the Loyola Basketball tournament last week during which the championship team of the United States in the Catholic league was determined. Teams from thirty-two different sections of the country took part as contestants. Losers of the first 16 games entered into consolidation rounds.

### Fire Protects Journey to Civic Opera House

The F. P. E. department made an inspection trip last Tuesday to the Civic Opera House. The day was switched from Friday to Tuesday for the convenience of the Opera House staff.

Professor Holmes said that the trip was made to demonstrate the last word in building construction, especially from a fireproof standpoint. Other features noted were the excellent lighting system, the enormous height of the stage to prevent shadows, and the unusual mechanical devices such as the hydraulic pumps to raise the stage.

### A. I. Ch. E. Hold Smoker Wednesday Evening

The A. I. Ch. E. will hold a smoker tomorrow night at the Phi Pi Phi house for the purpose of acquainting the freshman chemicals with the A. I. Ch. E. and the members of the organization with the Chemical Engineers' organization. Professors Schommer and McCormack will represent the faculty of the chemical department.

The social part of the evening will be given over to an entertainment. There will be an abundance of smokes with a veritable mountain of eats for the chemicals to consume. According to advance reservations a one hundred per cent turnout of the freshmen is expected. An enjoyable evening for the "boil, filter, and washers" is a certainty.

### Snow Avalanche Hits Ford; Demolishes Roof

Last Tuesday, March 18, a small avalanche of snow, falling from the roof of the main building, ripped the top of a Ford touring car, belonging to Stephen Davison, a freshman, which was parked in the street near the main entrance to the building. It was an unexpected accident, but it could have been prevented if the automobile had been left in the proper parking space.