



# Armour Tech News



Vol. V. No. 4

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 4, 1930

## SENIOR PICTURES DUE AT THE STUDIO BEFORE MARCH 7

Sub-Editors to Handle  
All Snapshots Made  
By Students

### HEATH GIVES WARNING

At the present time the number of picture proofs returned to Mabel Sykes studios is but one-third of the entire senior class. Although March first had been tentatively set as the date, when all pictures must have been taken it is necessary that this time be extended until March 7th.

P. E. Heath, editor-in-chief of the 30 Cycle states that it is imperative that these proofs be returned immediately. He also states that work on the senior section of the book must remain at a standstill until all these pictures are returned to the Mabel Sykes studios.

Any snapshots which are to be considered for either the feature or the fraternity section must be turned in to the respective department editors as soon as possible. Fraternities and clubs are also urged to provide snapshots for their pages. Students who have pictures of school activities such as interclass sports, Circus day or Armour athletics should turn these in to any member of the staff. Those which are not used in the book will be returned if they are properly labeled with the contributor's name.

## McCormack Talks at Notre Dame U.

Professor Harry McCormack, head of the Chemical Department, delivered a speech on "Why a Chemical Engineer?" before two gatherings Wednesday, February 19, at South Bend, Indiana. Professor McCormack spoke to the Chemical Engineering Department at Notre Dame Wednesday afternoon, then to the local branch of the American Chemical Society Wednesday evening.

The speech "Why a Chemical Engineer?" rather dealt with the position of the chemical engineer, pointing out his place in the chemical and industrial world and explaining how his services will be of increasing value in the future. It also told how the work of the chemical engineer and the chemist should go along side by side but should not interfere with the work of one another.

"There are two types of training received from the colleges," he said, "one tries to make both a chemist and chemical engineer, and succeeds in making a good one of neither; the other type trains the students for either one branch or the other."

The chemical engineer has received many definitions from different chemical societies, but Professor McCormack defined the chemical engineer as "a man primarily connected with the operating end of the chemical industry. He must have, however, very intimate relations both with the analytical chemist and the research chemist."

Professor McCormack closed his speech by explaining why he chose to speak to chemists on chemical engineering. He said that he wished to clear up the slight misunderstanding which seemed to exist between the chemical engineer and the chemist and to point out their places in the industrial picture, as he saw them.

Recently we learned of the illness of Miss Rawls, assistant librarian of the Ryerson and Burnham Libraries and we wish to extend our sympathy to her.

## NOTICE

There are still a number of students who have failed to turn in their program cards to the Dean's Office. Please attend to this immediately.

## Electricals Plan Regular Meetings

The Armour Branch of the A. I. E. E. held a business meeting last Friday, February 28, in the Physics Lecture Room.

An expression of appreciation for the work of George Baker and his program committee was voiced by the organization as the first part of the business. The committee then presented a plan which advocated the promotion of student lectures at meetings. The suggestion met with approval, so a program of this nature is to be arranged.

The chairman of the entertainment committee, Bob Larson, then gave an announcement concerning the A. I. E. E. spring smoker. He said that it will be held on March 12, at a place which will be announced later.

An invitation to participate in a joint meeting has recently been received from the Lewis Branch of the A. I. E. E., and was read at the meeting. The idea was discussed and the invitation accepted, the date for the joint meeting being left for arrangement in the near future.

Lately many have been advocating a regular meeting hour. Accordingly John Papantony made a motion that the Armour Branch of the A. I. E. E. should petition the Deans' Office to grant the students an open hour each week beginning next semester in order that the various engineering societies might be attended. The motion was seconded and carried.

## Sophomore Dance Well Attended

More than two hundred couples attended the Sophomore Informal, which was held last Friday night in the Gold Room of the Congress hotel with Eri Brammel's Kentucky Colonels supplying the music. The attractive surroundings and the good music of the orchestra added greatly to the evening's entertainment.

The invited guests were President and Mrs. Howard M. Raymond, Dean and Mrs. Claude I. Palmer, Professor and Mrs. Joseph B. Finnegan, Professor and Mrs. Charles P. Holmes, Professor and Mrs. Eldon C. Grafton, and Mr. and Mrs. Howard W. Hendricks.

## Two Thousand Dollar Prize for Architects

The Ludowici-Celadon Company announce the Third Competition for the A. W. Brown Traveling Scholarship. The competition will be held under the direction of a committee of the American Institute of Architects. The programs will be mailed to the applicants on or about March 15, and will have to be returned about April 14.

This scholarship is the gift of the company as a memorial to A. W. Brown, a former president of the company. The prize is \$2,000 for the winner to be used to defray the expenses of a year's travel and study in Europe. The second award is \$250; the third award, \$150; and \$100 to the fourth place winner.

The only requirement is that the candidates shall complete two ensembles consisting of measured drawings of buildings on which burnt clay has been used as roofing material.

## TELEPHONE MEN WILL INTERVIEW ARMOUR SENIORS

As a result of arrangements made with Professor E. H. Freeman, representatives of the Bell System will visit Armour Institute March 14 to 17, inclusive, to interview seniors with regard to employment after graduation.

The Bell System will be represented by employment representatives from the Bell Telephone Laboratories, the Western Electric Company, the American Telephone and Telegraph Company, Long Lines Department and the Illinois Bell Telephone Company. They will be interested in the interviewing of seniors from the electrical, mechanical, civil and chemical engineering departments.

A recent graduate of Armour will be on the campus two days prior to the arrival of the Bell System delegation for the purpose of arranging the appointments for the interviews.

## Seniors to Take Aero Examination

The Armour seniors who have completed the aeronautics option will take their physical examinations at the Medical Headquarters of the Great Lakes Naval Training Station at nine o'clock Monday morning, March 10. Those not taken care of during the first day will be examined on following days, the procedure continuing every day, except Saturday and Sunday, until all are finished.

About thirty Armour men are expected to take the examination of whom ten to fifteen should pass judging by past records.

After the examinations are completed a group of officers from Great Lakes will come to Armour to interview the successful applicants. Besides the physical requirements, it is also necessary that the applicant possess that quality of personality which indicates that he is "good officer material."

Those men who are accepted and who are able to take advantage of the opportunity will spend three months at Great Lakes and then will go to the training station at Pensacola, Florida, for a nine-months course in flying. After that they will spend a year in actual aviation work with the fleet.

## Ventilating Engineers Hear Talk by Davies

Wednesday evening, Feb. 26, Professor Davies spoke at a special dinner held at the Bismarck Hotel, before the Ventilation Contractor's Employment Association of Chicago and their guests, members of the Chicago Association of Consulting Engineers. His talk was on the measurement of flow of air through registers and grills. Professor Davies is engaged in research work on this subject for the Contractors' Association.

## Inter-Fraternity Council To Meet Wed.

The Inter-Fraternity Council will hold a meeting Wednesday, March 5, at 2:00 p. m., in the Tau Beta Pi rooms, according to an announcement by Joseph Ransel, president of the council.

## Refrigeration Expert At A. S. M. E. Meeting

Mr. E. W. Gallenkamp of the York Ice Machinery Company, was the speaker at a meeting of the Armour branch of the American Society of Mechanical Engineers held last Friday. Mr. Gallenkamp's talk dealt with the methods of refrigeration and the economies concerning the refrigeration field.

## Condition Exams Held This Week

The examinations for the removal of conditions for last semester started yesterday morning. Any student failing to pass an examination will be required to repeat the subject when it is given again. The examinations in mathematics will be given in the regular classes.

The following is a complete schedule for the week's examinations as issued by Deans' Office:

Monday, March 3, 2:00 p. m.  
Thermodynamics (Junior E. E.), Assoc. Prof. Nachman, A. Mech. Hall.

Senior Steel Construction (Arch.) Assist. Prof. Enszt, Drftg. Room, Chapin Hall.

Structural Design (F. P. E.), Assist. Prof. Enszt, Drftg. Room, Chapin Hall.

Tuesday, March 4, 2:30 p. m.  
Organic Chemistry, Prof. Freud, Room C, Main Bldg.

Wednesday, March 5, 2:00 p. m.  
Physics I and II, Prof. Wilcox, Physics Lect. Room.

Thursday, March 6, 2:00 p. m.  
Business Law, Dean Penn, Room H, Main Bldg.

Graphics Problems, Assist. Prof. Grafton, Drftg. Room, Mission.

Railway Location, Assist. Prof. Grafton, Drftg. Room, Mission.

Friday, March 7, 2:00 p. m.  
Mechanics of Materials and Graphics, Prof. Paul, Room B, Chapin Hall.

Engineering Mechanics I and II, Prof. Paul, Room B, Chapin Hall.

Applied Mechanics (Arch.), Prof. Paul, Room B, Chapin Hall.

Wednesday, March 12, 3:00 p. m.  
Precision of Measurements, Assoc. Prof. Doubt, A, Chapin Hall.

## Honoraries Hold Council Meeting

The Inter-Honorary Fraternity Council held its first meeting of the semester last Tuesday. The meeting was held mainly to determine the best manner in which to unify the various honorary fraternities. As in previous years, this will be done by having social gatherings and by working on subjects of mutual interest. The members of the council discussed the ratification of the Constitution but decided to carry the final ruling over to the next meeting. Another point of interest was the drawing up of tentative plans for a dance and a banquet.

A. C. Gunther '30, President of the council, predicts that the next semester will see a more closely knit organization among the honorary fraternities at Armour.

## CALENDAR

March 3-3  
Examinations for Removal of Conditions.

Wednesday, March 5  
2:00 P.M. Inter - Fraternity council meeting in Tau Beta Pi rooms.  
8:00 P.M. Swimming meet with Crane Junior College at University of Chicago.

Thursday, March 6  
7:30 P.M. Boxing meet with West Side Y.M.C.A. at West Side Y.M.C.A.

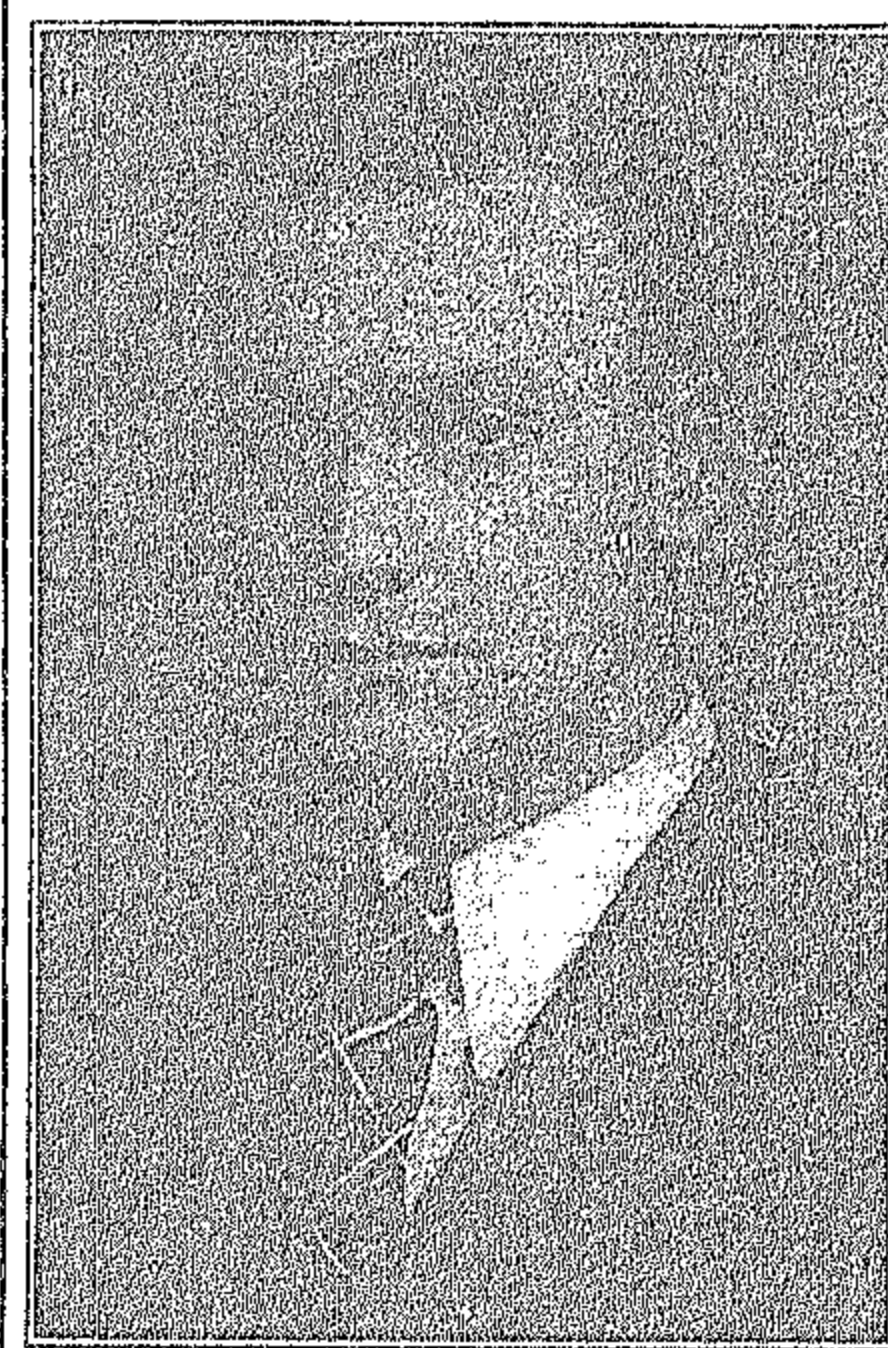
Saturday, March 8  
3:00 P.M. Track meet with Crane Junior College at Bartlett Gym.  
5:00 P.M. Triangular track meet at Bartlett Gym.

## COMMITTEE FORMS PLANS FOR ANNUAL JUNIOR WEEK SCHEDULED FOR MAY 12-17

Junior Formal on May 16, Circus Day, Baseball Games, and Track Meets  
On Program

DANCE IS ONLY FORMAL EVENT OF YEAR

### FRANK JAMES



Frank James, Junior Marshal, has picked the following men from the Class of '31 to act as assistant marshals in managing Junior Week: Arthur H. Jens, Francis S. Austin, Walter E. Schirmer, and Louis L. Hensen.

These men have already held a meeting and have decided to hold Junior Week during the six days ending May 17. This automatically sets the date of the Junior Formal as May 16, and Circus Day for Saturday, May 17. The social committee, of which B. G. McLaughlin is chairman, is co-operating with the marshals in an effort to make this year's Junior Week the biggest and best ever put over.

Two baseball games will take place during this week, and although the tennis schedule is not yet made up, it is expected that several matches will be held. Two track meets will also take place during the eventful six days.

According to B. G. McLaughlin, plans for the Junior Formal are rapidly being completed. The affair, which is the only formal dance of the year, is to be a Dinner-Dance with the limit on the number of couples set at one hundred.

## Junior Electricals Visit Goodman Co.

The Junior Electricals spent the afternoon of Thursday, February 27 on an inspection trip conducted by Prof. Moreton and four guides through the armature winding, field winding, and the impregnating departments of the Goodman Manufacturing Company at 48th and Halsted Streets. This company is primarily a manufacturer of mining equipment but because of the unusual requirements, finds it necessary to build its own motors.

The class met at 1:30 p. m. in front of the main building of the company one hundred per cent strong. It was then divided into four groups and each group taken through by a guide. The processes of winding, taping, forming, impregnating, and compressing the armature coils were demonstrated. Plain linen and sometimes empire cloth is used for taping the coils. They are impregnated by dipping into a hot coaltar compound after having been thoroughly dried. The pressing process follows and is done with the aid of steam pressure. The field coils are made in the same manner except that the forming process is eliminated.

The method of building up a commutator of its segments and insulating material was thoroughly explained and followed by an actual operation showing how the finished article is made.

The punch press operation of blanking out the core laminations next consumed the interest of the class. These laminations when stacked up on a shaft, form the armature core. The commutator is placed on one end of the shaft. The armature winder then gets his core. The process of winding the armature, i.e., the placing of the coils was perhaps the greatest attraction.

There were no casualties on the trip, although several members of the party became temporarily sick when told that the nurse in attendance was attractive.

### CORRECTION

In the introduction to the alumni letter published last week, the author's name was incorrectly stated as H. S. Wellington. The letter was from H. S. Ellington, '08, a graduate of the civil engineering department.

## Juniors to Edit Next Engineer

The next issue of the Armour Engineer is to be entirely a junior product from a mechanical standpoint. The feature articles as before are to be selected from material submitted by students and faculty.

Previous to this issue the selection of material and make-up of the magazine has been conducted by the executive heads of the staff. The third issue of the year is promised for March 20, according to U. D. Buchling, editor-in-chief of the Engineer.

## Many Features in New Illumination Course

Professor Doubt announces that the new class in "Light" will meet Thursday at 11:30 in Science Hall. This is a lecture course and comprises a very practical study of the production of light and illumination. In addition, laboratory work will be done by those students able to devote the necessary time. The course is open only to Juniors and Seniors, the prerequisites being credits in Physics and Physics laboratory. To date, about fifteen men have registered, but more are expected to do so shortly.

Professor Doubt says that a detailed practical study of vacuum, neon and special radio tubes and their commercial applications in modern times is planned. This new topic should be particularly interesting to the electricals or anyone interested in radio.

## Kapke '28, To Speak On Senior Positions

E. B. Kapke, M.E., '28, will speak to seniors at 11:30 this morning in Science Hall as the representative of the Harpischfeger Corporation of Milwaukee, Wisconsin. The company builds material handling equipment and wants to get in touch with men interested particularly in sales work.