



TECH CHEMICALS GET CHAPTER OF ALPHA CHI SIGMA

39 Charter Members For Alpha Psi Chapter

INSTALLATION SOON

Alpha Chi Sigma, national professional chemical fraternity, has accepted the petition of the Flask and Beaker fraternity, and will install Alpha Psi chapter of the society at Armour within two months, according to a statement received from the national secretary. This will be the second chapter of a national professional fraternity to be installed at Armour; Scarab, professional architectural fraternity being the first such chapter.

Flask and Beaker came into existence in 1928 under the leadership of members of the senior class in chemical engineering. Its purposes were two-fold: to strive for the advancement of chemistry both as a science and a profession; and to foster a spirit of good fellowship among the students of the chemical engineering department. It is believed by the members that the affiliation with the national organization will aid in furthering these ideas.

From the start, it has been the purpose of Flask and Beaker to have a chapter of Alpha Chi Sigma at Armour. Last spring the formal petition was submitted to the fraternity, with the prospective establishment of Alpha Psi chapter as a result.

Alpha Chi Sigma has fifty-six chapters throughout the country; practically every institution giving a recognized course in chemistry having a chapter.

Charter Members

The local chapter will have as charter members: Professors C. A. Tibbals, A. H. Carpenter, J. J. Schommer, and W. J. Bentley; E. A. Armit, '28; R. N. Brown, '28; L. C. Brunstrum, '29; J. Crane, '28; G. A. Crapple, '28; J. J. Doherty, Jr., '27; M. P. Johnson, '28; L. A. Kramer, '28; M. E. Lovejoy, '27; U. G. Naef, '28; G. L. Parkhurst, '27; C. H. Seeley, '27; A. J. Stabovitz, '29; and A. D. Watkins, '27.

Other charter members will be: E. P. Boynton, '30; A. T. Martin, '30; C. E. Morris, '30; P. M. Ruzewich, '30; R. A. Shoen, '30; V. A. Sturm, '30; J. E. Tarman, '30; W. R. Trognitz, '30; J. J. Zolad, '30; F. B. Attwood, '31; O. J. Flala, '31; H. J. Latham, '31; I. B. Lehman, '31; L. V. Melcarek, '31; C. J. Starnberg, '31; O. R. Steinert, '31; A. F. Bigelow, '32; R. H. Blom, '32; J. O. Cavanagh, '32; O. G. Linnell, '32; G. J. Stockman, '32.

A smoker is being held at the Beta Psi House tonight, November 18, at eight o'clock, for the consideration of plans for the installation of the chapter.

Teletype Is Part of Western Electric Co.

The Teletype Corporation, of which Howard L. Krum, E. E., '06, is vice-president, has been acquired by the A. T. & T. Co., and is now a Western Electric subsidiary. The Teletype Corporation was valued at \$31,000,000.

The history of the transferred organization has been one of steady growth and expansion, particularly in later years. This is illustrated by a few production figures. From 1918 through 1927, a total of 15,500 Teletype instruments were turned out, while in the year 1928 alone 12,700 instruments were manufactured, and during 1929 production rose to double that figure, or a total of 25,200. The use of Teletype equipment in the Bell System has risen from 1,000 units in 1925 to 16,000 in 1929.

Armour Engineer Out Tomorrow Morning

Copies of the "Engineer" will be distributed tomorrow in the south end of the lobby in the main building.

Articles by both faculty and students comprise the "Engineer." Dr. Scherger has written about his travels in England and on the Continent. Henry Levin's prize essay on "Petroleum," which won the American Chemical Society award, appears, and Deans Palmer and Penn have written from their vast experience about the ideas and aims that an engineering student should entertain.

Car Oils Subject of A.S.M.E. Talk

At the next regular meeting of the Armour branch of the American Society of Mechanical Engineers Friday, November 21, a speaker from the Standard Oil Company will deliver a talk on motor oils. The address will be accompanied by a showing of three reels of motor pictures relating to the speaker's subject.

A smoker will be given in the evening at the Theta Xi house. Complete arrangements will be announced on the bulletin board tomorrow.

Former Professor at Armour Makes Visit

Professor James R. Griffith, professor of Structural Engineering at Oregon State Agricultural College, and formerly professor at Armour, made a visit here last week.

He was in Chicago to deliver an address at the 1930 Annual Meeting of the International Acetylene Association, on Thursday, November 13. His subject was, "Experiments on Gas Welded Structural Joints—Including a Scientific Demonstration of Amplified Stethoscopic Sound Testing of Welds."

The purpose of the paper was to show the relation and application of welding to the structural engineering field. Such questions as, "How do welded structural connections compare with riveted ones?" and others bent on inquiring as to the relation of operator efficiency with joint efficiency were taken up by the speaker and explained. The welding process is comparatively new, and the information given has cleared away many ambiguities.

Professor Griffith's work is a result of research performed at the Oregon State College with the aid of some colleagues and seniors in the civil engineering department.

A.C.S. TO MEET AT CITY CLUB FRIDAY

The regular monthly meeting of the American Chemical Society will be held at the City Club, 315 Plymouth Court, next Friday evening, November 21st, at 7:30 o'clock. The subject of the paper, "The Fatigue of Metals Under Repeated Stress," to be delivered before the main group is one that should be of especial interest to any engineer. Professor H. F. Moore, who is Research Professor of Engineering Materials at the University of Illinois, is giving this paper and is well qualified to speak on this subject. Last month Professor Moore was the recipient of the medal annually awarded by the American Iron and Steel Institute for the outstanding work that he is doing in his field. Stereopticon slides and motion pictures will accompany the lecture.

After the main group meeting, the smaller groups will assemble as usual. The schedule calls for the assemblage of the sub-groups at 8:45. Preceding the main meeting will be a dinner starting at 6:15 for which reservations must be made at least one day in advance of the meeting.

Six Men Pledged to Eta Kappa Nu

Eta Kappa Nu, honorary electrical engineering fraternity, pledged the following men Monday, October 31st:

E. J. Stehno, '31.
E. E. Paschke, '31.
D. M. Fetterman, '31.
M. E. Lukey, '31.
M. Fagen, '32.
W. Krahl, '32.

Seniors Discuss Class Problems

Charles Link, president, called a meeting of the Senior Class last Wednesday, November 12, in Science Hall to hear the reports of the various committees.

The chairman of the jacket committee, R. Wilson, gave a report and presented two sample types of coats. R. J. Schoen made a report on an offer of another firm and presented samples of cloth to be used in the jackets. After an inspection of the samples the seniors decided on a light wool cloth, although no jacket was formally accepted.

Treasurer Miran then gave a report of the financial standing of the class and the possibility of a class banquet.

W. E. Schirmer, social chairman of the class, made a report on the Senior Dance. It was decided to hold the dance, if possible, in the Cameo Room of the Morrison Hotel on December 12. He also urged that the seniors obtain the bids as soon as possible since no definite arrangements can be made until three hundred dollars has been collected.

Arthur Jens, editor-in-chief of the 1931 Cycle, made an announcement regarding the use of activities questionnaires to be filled out by seniors for the annual.

T. A. Woods made a report of the photography committee. He asked that each member co-operate as much as possible by promptly reporting to the photographer according to the schedule on the bulletin board.

C. T. Link stated that within two weeks the jewelry committee would have samples for inspection. After a short discussion the meeting was adjourned.

Armour Represented at Maine P. T. A. Night

Professor Nash and Mr. Kelly represented Armour last Thursday evening, November 13, at a meeting of the Maine Township High School Parent-Teacher Association.

The meeting is called "College Night" and is held every year for the purpose of giving parents and pupils information about the colleges they are interested in. Chicago, Purdue, Armour, Carthage, Lawrence, Bradley, Carroll, Beloit, MacMurray, Northwestern and Carleton were some of the schools represented.

Some of the speeches given were: "The Advantages of the Large University," "The Advantages of Limited Enrollment," "What College Means" and "Credit."

Lost and Found Has Number of Articles

The following articles are in the lost and found:

An electrical laboratory note book.
A college algebra text.
A steam power plant engineering text.

A number of rulers.
A pocket watch.
A drawing compass.

The lost and found is located at the Deans' office. The above items can be claimed by those who have lost them by properly identifying them.

SENIORS TO LIST THEIR ACTIVITIES FOR CYCLE STAFF

Activity blanks have been distributed amongst the members of the senior class. These were passed out by A. H. Jens, editor-in-chief of the Cycle, at a class meeting held last Wednesday.

Listed on the blanks were the following questions, the information to be used by the Cycle: Full name; Place of Birth; Department; High School; Honorary Groups; Social Fraternity; Clubs or Organizations; Athletics; Publications; Other Activities. Proper answers to the above questions are vital to the publication of the Cycle. Prompt action by members of the class in returning the required information will greatly facilitate the handling of this section of the book.

Those who have not yet obtained a blank should secure one from Mr. Livingstone in the Book Store during the week.

Completed sheets should be placed in the Cycle mail box, located next to the scholastic records case on the elevator shaft, first floor, main building.

Time limit allowed by the Cycle staff for the acquisition of this data is extended to Friday of next week. It is not necessary to use one of the provided sheets. A paper 8x5 inches in size will be accepted provided the proper information is contained thereon.

Corrections or additions will be allowed if these are made in writing and presented before the senior section of the book is finally made up.

S. K. D. House Scene Of A. I. E. E. Smoker

The A. I. E. E. will hold a smoker on December 10, at the Sigma Kappa Delta Fraternity house, 3344 S. Michigan Boulevard.

Eats, entertainment, cards and smokes will feature the gathering. This smoker is one of two held each year by the Armour Branch of the A. I. E. E., and according to the committee, will probably be the best ever put across.

Funds for the smoker are taken from the local dues to which all the Junior, Senior electricals have subscribed. President Knittel has been conducting a drive for 100 percent membership.

The sophomores being associate members, are also eligible to attend the smoker.

Professor Amsbury will deliver his new lecture, "Literature, Its Inspiration and Power," to the students of the Northern Teachers College, at Marquette, Mich., Thursday, November, 20.

CALENDAR

Tuesday, Nov. 18

5:00 P.M.—Varsity basketball practice at armory.
5:00 P.M.—Sigma Kappa Delta basketball practice.
8:00 P.M.—Flask and Beaker smoker at Beta Psi House.

Wednesday, Nov. 19

9:30 A.M.—Armour Engineer distributed.
5:00 P.M.—Rho Delta Rho basketball practice.

Thursday, Nov. 20

5:00 P.M.—Theta Xi basketball practice.

Friday, Nov. 21

9:30 A.M.—F. P. E. meeting, Science Hall.
10:30 A.M.—A. S. M. E. meeting.
5:00 P.M.—Triangle basketball practice.

Saturday, Nov. 22

10:00 A.M.—Tennis tournament finals.

Dr. Randall Will Address Students

An assembly for all students will be held Thursday, November 20, at 10:30 in the Assembly Hall. Dr. John Herman Randall, who is a director of the World Unity Foundation, is to speak on "The Present World Situation."

Dr. Randall has spoken at Northwestern University, at the Sinai Temple, and at the Men's City Club. The Institute is very fortunate in securing a speaker of such prominence, and so well informed on the present condition of world affairs.

D. E. Richardson '24 Elected to Sigma Xi

Professor D. E. Richardson, '24, has been awarded an associate membership in the Chicago chapter of Sigma Xi, national honorary scientific fraternity. Eligibility for membership in this society is based on research work done in the scientific field.

Professor Richardson received his E. E. degree from Armour in 1927, and received the degree of M.S. from the University of Chicago in 1929. The title of his master's paper was "Experimental Verification of the Theoretical Skin Effect Equation, for an Electrolytic Conductor." He has already done considerable work toward his doctor's degree at the University of Chicago.

A paper on these topics was presented before the Association for Advancement of Science by Professor Richardson last January.

THOMPSON MAKES CURE FOR CANCER

Dr. J. S. Thompson of the Physics Department and Dr. Simpson of the Frank E. Simpson Radium Clinic have successfully applied the use of radon filled lead capsules to the treatment of cancer. Dr. Thompson has been working with the clinic for the past several years, having charge of the radium and preparation of treatments.

The method as now developed consists of the implantation of small capsules, three millimeters long and three-fourths of a millimeter in diameter, made of pure lead tubing and filled with a known strength of radon gas. The lead prevents the passage of most of the harmful beta rays and transmits the gamma rays which destroy the diseased tissue. The capsules are injected into the cancerous growth, the number ranging with the size of the growth, and are left in there permanently as they cause no permanent pain. Gold capsules have been used previously but were found to cause pain long after the treatment was completed. Because of this the change to lead was made.

The capsules are made by pinching off (by forming a cold weld) sections of a tube previously filled with radon. The gas, radon, is used in place of the parent substance, radium, because it is less expensive and can be more easily replaced in case of loss. The radon is the first disintegration product of radium, has all its radiating properties and is more easily handled in preparing treatments.

Remarkable results have also been obtained in treating birthmarks with radium. Quantities of radium up to 1,500 milligrams are used in this work.

Talk on Insurance At F. P. E. S. Meeting

There will be a meeting of the Armour Branch of the F. P. E. S. this Friday at 9:30, in Science Hall. Mr. H. C. Melville, of the North American Insurance Co., who spoke to the fire protects on Friday, November 7, on marine insurance, will speak again. His talk on Marine Insurance was appreciated by all who heard it and he is again expected to give one as interesting.

FOUR SENIORS ON COMMITTEE FIRST TO GET JACKETS

Classmates Will Judge Appearance of Coats

ON DISPLAY FRIDAY

The senior jacket committee men were measured for their jackets yesterday, Monday, November 17, and their jackets will be ready for them this Friday, November 21. These men are to wear their jackets around the school in order that other seniors may judge the appearance of the coats before purchasing their own.

The following men comprise the committee:

R. N. Wilson, chairman
S. Ott
H. S. Holt
R. J. Schoen

Dr. E. Bartow Speaks At A. I. Ch. E. Meeting

The Armour Branch of the A. I. Ch. E. held its second meeting of the year last Tuesday, November 11, at 9:30, in the Physics Lecture Room. This was the first lecture meeting of the year and drew almost complete attendance, several members of the faculty also attending.

F. B. Attwood, president of the chapter, called the meeting to order. There was a short discussion of the more important business, as well as the announcement of the awarding of the Schmitz-Kemiker medal, official trophy of the organization, to L. V. Melcarek, and G. N. Waniata.

The speaker, Dr. Edward Bartow, head of the Chemistry Department at the University of Iowa, was then introduced. Dr. Bartow is chairman of the committee on relations between parent and student chapters of the A. I. Ch. E. He spoke on the relations of the chapters, their purpose, and the action being taken to further chapter relationship. He then proceeded to lecture, aided by slides, on his trip to the World Engineering Congress, held in China last year, and his experiences there.

Radio Fights Crime; Subject of Address

Yesterday morning at 10:30 the members of Armour chapter, A. I. E. E., and Armour Radio Association held a joint assembly in Room D-Mission.

The speaker of the meeting, Mr. W. P. Hilliard, chief of the Radio Division, Chicago Police Department, gave a very interesting account of how radio is proving an invaluable aid in fighting crime.

Mr. Hilliard explained that when a crime is reported to headquarters, messages, giving the location and possibly a description of the culprits, are broadcast from the police station transmitter, and are picked up by a receiver in each patrol car. The wave length employed is below the regular broadcast range and is therefore not received by ordinary radio sets.

The system is a result of experiments sponsored by WGN, the Chicago Tribune station, some time ago.

In this manner the police are able to respond to an alarm much quicker than by the previous method in which telephone messages had to be relayed several times.

Mr. Hilliard also explained the operation and maintenance of this department.