



## BASKETBALL SEASON OPENS

### SENIOR INFORMAL AT PALMER HOUSE WELL ATTENDED

### Profit to Be Used For Banquet Next Semester

### SHOAN SOCIAL CHAIRMAN

Much enthusiasm was forthcoming as "Waddy" Wadsworth's "Smart Set Orchestra" made sweet noises at the Senior Dance held last Friday night in the Red Lacquer Room of the Palmer House. A large crowd attended this school dance, first of the year, also the last dance to be given by the class of '30.

Under the direction of Ray Shoan, '30, Senior Social Chairman, the affair was run smoothly and efficiently. The chaperones were Doctor and Mrs. Howard M. Raymond, Dean and Mrs. Claude I. Palmer, Professor and Mrs. Arthur H. Carpenter, and Professor and Mrs. Henry T. Heald. Attractive programs were given to all those present.

While figures are not yet available, it is not expected that the affair will show a loss. Any profit on the dance will be applied to the giving of the Senior Banquet to be held next semester.

The members of the Senior Social Committee are:

Ray Shoan, '30, Chairman  
Eugene Short, '30  
Harley Mullins, '30  
George Heller, '30  
A. J. Frost, '30.

### Senior Surveyors Confined Indoors

Snow and cold weather have forced the senior electricals and mechanicals taking surveying to confine their work to the classroom. Probably no more outside work will be done until next spring.

### Fire Protects Attend Petroleum Convention

The Junior F. P. E.'s attended the lectures of the American Petroleum Institute Convention at the Hotel Stevens last Thursday afternoon. These lectures were considered by Professor Schommer as excellent substitutes for regular laboratory practice.

There were three different lectures held at this time between which the students could choose. First a "Business Session of the Division of Development and Production Engineering," second a discussion of "Refinery Technology—Gum," and third a lecture on "Corrosion of Equipment."

In the lecture on Corrosion, papers were read discussing the electrolytic and chemical actions causing corrosion, also the merits of various methods of protection. This lecture was especially interesting, as the topic is now under consideration in two of the F. P. E. courses.

In the other sessions, papers of equal importance were read and discussed.

A meeting of the A. S. M. E. was held last Thursday in Science Hall. Talks were given by Charles Link, '31, and Fred Munch, '31, on subjects relating to the Mechanical engineering field.

H. Stebbins, president of the society, announces that talks on technical subjects by Juniors of the mechanical department are always welcome at the A. S. M. E. meeting.

### Annual Christmas Program to Be Presented on December 19

PARENTS AND FRIENDS INVITED TO ATTEND

### A.I.E.E. Attend 3 Day District Convention

The District Meeting of the American Institute of Electrical Engineers was held this year under the auspices of the Great Lakes District, with its headquarters at the Drake Hotel, December 2 to 4. The senior electricals from Armour attended all three days. The juniors were present one day.

The outstanding features of this convention were technical sessions on communication developments, power plants, transmission and distribution, and research and development. Student meetings, inspection trips and a dinner-dance also added to the interests.

The inspection trips were well attended by Armour students. The trips were made in busses to the following points of interest: Crawford Avenue Generating Station, the new Chicago Civic Opera, the Illinois Steel Mills, the Western Electric factory and the Longbeach automatic telegram exchange.

Tuesday evening witnessed a dinner-dance in the ballroom of the Drake Hotel.

At the students' session, Tuesday morning, a paper was presented by Clement J. McDonald, E. E., '29, on "Electrical Equipment Aboard Modern Steam Liners."

The convention concluded Wednesday, the senior electricals returning to their classes on the following day after a week's absence.

### Teach Honored at A.M.S. Meeting

The paper submitted by Professor V. B. Teach of the Mathematics Department at the meeting of the American Mathematical Society November 30, 1929, proved to be of more importance than was at first recognized. Besides taking extra time for discussion at the meeting, Professor J. Bliss of the University of Chicago is planning to use parts of the paper in his work for the rest of the year. Professor Bliss is generally recognized as one of the three or four great mathematicians of the world.

The paper is the result of research in the field of "Calculus of Variations" which to the average student does not mean very much, but the Calculus of Variations is the finding of maximum and minimum functions involving definite integrals.

One of the practical applications of the theory is in the manufacturing field. Manufacturing plants employ groups of mathematicians, familiar with this theory and others, to calculate the maximum output at a minimum cost for their machines. The mathematicians decide how often the machine should be adjusted, their rate of output, and many other things of importance connected with this field.

The results of Professor Teach's research will help these men and many others.

### Frosh Badly Burned in Foundry Monday

James W. Juvinal, '33, E.E., was badly burned about the hands while pouring a casting in the foundry Monday, November 25. He was taken to the Mercy Hospital but is now back at school and is improving rapidly.

The Glee Club and the combined Symphony Orchestra will join to present the annual Christmas concert on Thursday morning, December 19, at 10:30 o'clock in Assembly Hall. This is the outstanding musical program of the semester at Armour Tech.

Frank J. Aste, '30, leader of the Combined Symphony Orchestra in its second public appearance promises a pleasing Christmas program as its part of the assembly. One feature will be a piano solo by Emmett Higgins, '30.

The Glee Club will sing one of Doctor Daniel Protheroe's own compositions as well as several other numbers.

It is suggested that students have their parents and friends attend this event. The final program will be published in the next issue of the News.

### Junior Informal Plans Complete

The Junior Dance, first of the social events of the Juniors', will be held January 24 at the Illinois Women's Athletic Club.

Berlyn G. McLaughlin, social chairman of the class of '31, has secured the services of Harold Leonard and his Opera Club orchestra.

Bids are \$2.50 and will be ready for distribution the latter part of this week.

### Honorary Musical Pledges Five Men

Pi Nu Epsilon, honorary musical fraternity announces the pledging of five men. The pledges are:

Richard R. Eddy, '31  
Jerome H. Kovacic, '30  
Thomas B. O'Connor, '31  
William A. Schrader, '31  
Robert N. Wilson, '31

The Armour branch of the A. S. M. E. will hold a smoker at the Theta Xi house Thursday evening, December 12. H. Faulstich, '30, who is in charge of the arrangements, promises eats, smokes, and entertainment. Several members of the faculty are expected to attend.

Any men interested in working in the editorial department of the Engineer should apply for positions through a member of the present staff.

### CALENDAR

TUESDAY, DEC. 10

4:30 Alumni-Varsity Basketball Game at Armory  
Honor "A" Alumni Banquet at Delta Tau Delta House  
8:00 Swimming Meet at Y. M. C. A. College

WEDNESDAY, DEC. 11

5:00 Meeting of Trackmen in Room H

THURSDAY, DEC. 12

A. S. M. E. Smoker at Theta Xi House  
Armour vs. U. of C. at Bartlett Gym

THURSDAY, DEC. 19

ANNUAL CHRISTMAS CONCERT

### Honor "A" Alumni Banquet Tonight

A dinner for all alumni wearers of the "A" will be given tonight by the Honor "A" Society at the Delta Tau Delta fraternity house, 3155 S. Michigan Avenue, following the Alumni-Varsity basketball game. This dinner is an annual affair, being part of an "Athletic Alumni Reunion" for this day, sponsored by the Honor "A" Society, according to Vernon Sturm, '30, president.

The gathering will first witness the basketball game at the Eighth Regiment Armory, 35th and Giles. Immediately after the game, the crowd will assemble at the dinner. During the evening, several short talks will be made by the different coaches, and by alumni. Professor John J. Schommer also will make the presentation of "A" watch charms to a few men who will be taken into active membership of the Honor "A" Society at that time. After dinner, smokes and cards will entertain the guests.

The secretary of the society, C. J. Robin, '32, has sent out letters to 165 of its alumni members. The many responses already received cause the society to anticipate a large turnout, far exceeding that of last year.

### J. E. Tarman Wins Schmier-Chemiker

John E. Tarman, '30, Ch. E., initiator and most enthusiastic promoter of the "Schmier-Chemiker" Medal was paid in his own coin, or painted with his own brush if you prefer, when, at a recent meeting of the Senior Chemical class, he was chosen to wear the coveted trophy.

The occasion for this exhibition of poetic justice was dramatic in the extreme. Mr. Tarman called the meeting and announced to the class that he had had a new medal prepared, and the time was ripe for the presentation. Nominations were then made and someone suddenly remembered that the aforementioned Tarman had permitted a kettle of soap to boil over creating a considerable mess in the Industrial Laboratory, and Tarman was immediately nominated. When the vote was taken, the class was found to be unanimously in favor of Tarman. Although his extreme modesty prompted him to refuse the honor, his objections were promptly overruled. John J. Zolad, '30, made the award.

The 1930 edition of the Schmier-Chemiker Medal is made to represent a donkey's head in futuristic style and is awarded to the Senior Chemical, who in the estimation of the class, performs an exceptionally sloppy piece of work in one of the laboratories.

### Stork Visits Home of Professor Grafton

Professor and Mrs. E. C. Grafton announce the birth of a daughter, Virginia Carlyle, on November 21. Professor Grafton has been an instructor in the Civil Engineering department since September.

### F.P.E.S. Hears Talk on Sales Methods

Mr. Ormsby of the Rockwood Sprinkler Company addressed the Fire Protection Society last Friday in Room H on "Sales Methods." Mr. Ormsby told of the various methods employed by sprinkler engineers in selling equipment for automatic sprinkler protection.

### VARSITY BEGINS SCHEDULE IN GAME WITH ALUMNI TONIGHT ON ARMORY FLOOR

### Armour Squad To Face University of Chicago at Bartlett Gym Thursday

"Y" COLLEGE AND CHICAGO NORMAL NEXT

Today marks the opening of the current basketball season when the Armour Tech. squad plays host to the Alumni on the Armory floor at 7:30 o'clock. The game will be played at the Eighth Regiment Armory, 35th Street and Giles Avenue, a few blocks east of Michigan

avenue. This first game is usually more or less of a sure thing for the varsity, but an upset may be in the offing. The Alumni usually present a team of individual stars with no definite system to follow in teamwork. Then again the former stars are often in sad condition, and a few minutes of hard, fast play mean a weakening of their team. On the other hand the varsity will present a team which has been practicing for five weeks. The men are in fairly good condition, and their teamwork is slowly but surely becoming more polished.

### Students Average One Flunk Slip

Last week four hundred and forty-two of Armour's eight hundred thirty-nine students received "flunk" notices, eight hundred and forty-four of these joyful reminders being given out. Figures indicate that approximately one notice was given out for each student in the school and that the average number of notices received by each student who was given any was about one and nine-tenths.

A comparison with last year's figures shows a slight increase in the number of notices given. Last year there were eight hundred and thirty-two students in the school of whom four hundred and thirty-three received a total of seven hundred and eighty-five notices. The average number of notices per student in school was only ninety-five hundredths of one, and the average number for each student receiving any was one and eight-tenths.

According to the Office of the Deans, the fact that a student has received one or two "flunk" notices is no indication that he will fail in those subjects. Neither is it a blot on his scholastic record. A "flunk" notice merely is an indication that the student's "standing at the present time is below passing grade," and advises him to "give this matter" his "immediate attention."

No permanent record is kept of notices received by individuals so that a course passed after receiving a notice is just as creditable as one passed without one.

### A.I.E.E. Listens to Radio Engineer

The Armour Branch of A. I. E. E. held a meeting in the Physics Lecture Room, Friday, December 6. Mr. P. F. Wareing, engineer in charge of the transmission experimental laboratories, of the Universal Wireless Communication Company, spoke on "Some Engineering Problems of the Universal Wireless." He outlined difficulties the new company has to overcome and presented the scheme of the plan which that company will put into operation when they inaugurate their continental communication with a chain of twenty stations scattered throughout the United States.

Radio transmitting tubes, which the company manufactures for their use, were passed around for inspection. They were of fifty watts, kilowatt and ten kilowatt capacity.

Eta Kappa Nu, honorary electrical fraternity will hold its informal initiation on Thursday, December 12, in their rooms. The formal initiation will be held on the following Tuesday.

Coach Krafft will probably present a variety of lineups against the opposition. The opening quintet will probably be Simpson and Roessing, forwards, Robin, center, and Rutkowski and Bruni, guards. For replacements Krafft will have Ott, Tell, Sandstedt, Miran, Quinn and Rowley. These eleven men will probably form the tech squad, although Krafft has not decided definitely as yet.

The alumni will be represented by "Vic" Hoefler, "Bill" Downes, "Cal" Johnson, Brockmann, Augustine, and Goodheart.

The University of Chicago will take on the Armour squad Thursday in a practice game at Bartlett Gym. Chicago's team is more or less of a mystery this year, so this practice game may show its strength. The varsity will meet a much stronger quintet in Chicago than in the Alumni. Still, there is a good chance of an Armour victory, with a little support from the students.

These first few games mean a whole lot to an untried team such as Armour has this year. Wins in the first few games, namely Alumni, "Y" College and Chicago Normal will give the squad the confidence it needs. Support of the students, a thing which has been sadly lacking, will go a long way toward bringing about those victories.

### Order First Group Senior Class Jackets

An order for seventy-five Senior jackets was sent in to Loren and Miller company last week, and yesterday a representative from that organization visited the institute to take measurements for the coats. According to Bob Johnston, chairman of the committee in charge of getting the jackets, the delivery should be made before the Christmas holidays.

The coats are to be black, with the A. I. T. Monogram on one pocket and the class numerals on the other. The brilliant braid that was featured on last year's jackets is noticeably absent from the garments this year.

### Architects Inspect New Opera Building

About 50 of the Senior and Junior architects held an inspection trip to the Chicago Civic Opera House last Thursday afternoon. Messrs. August C. Wilmannus, Assistant Professor of Architectural Construction, and Walter L. Suter, Instructor in Architectural Design, were the representatives of the faculty.

The interesting features of the excursion were the visits to both the theatres, behind stage, and also the lighting systems.