

VOTE
NEXT
TUESDAY

Armour Tech News

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Armour Institute of Technology, Chicago, Illinois

November 1, 1928

C. E. FREEMAN, '97 FORMER HEAD OF E. E. DEPT., DIES

Brother of Prof. E. H. Freeman Succumbs After Long Illness

WAS PROMINENT ENGINEER

Clarence E. Freeman, '97, B.S., M. S., E.E., former head of the Electrical Engineering Department, and older brother of the present head of that department, died last Saturday evening after a three year illness. Mr. C. E. Freeman enjoyed a wide and envied reputation in the engineering world. His endeavors included not only electrical engineering, but also oil geology, irrigation projects, and transportation.

Came in 1895
Mr. Freeman came to Armour in 1895, after receiving a bachelor's degree from Kansas State Normal College. He acted as instructor in electrical engineering, while at the same time completing his course here. In 1896 he had conferred upon him his Master's Degree from Kansas State Normal, and the following year he received his B. S. in Electrical Engineering from the Armour Institute.

Worked With De Forest
Upon his graduation from Armour, he was made Associate Professor of Electrical Engineering, and remained in that capacity for six years, during which time he was intimately associated with Dr. Lee De Forest in the development of the radio tube, the research on this important invention being carried on by these two men entirely in the Armour Laboratories. In the meantime, he earned his E.E. degree in 1901.

Headed E. E. Department
Upon the resignation of Professor I. J. Macomber in the spring of 1903, Professor C. E. Freeman was promoted to head the Department of Electrical Engineering. He remained in that capacity for nearly four years, but resigned in 1906 because of ill health, determining to engage in work which would keep him more out-of-doors.

Employed by B. J. Arnold
He then went into the employ of Bion J. Arnold, consulting engineers, authorities on railroad and irrigation work. While with that firm he headed a commission sent to New York City to increase the passenger loading efficiency on the subway system. The plan which he offered as a solution to that problem is still being used by the subway companies.

Studied Oil Geology
During the last ten years of his life, he made extensive studies in oil geology, and became very successful in locating the exact position of oil deposits. The detector which he used in this work is one of his own inventions.

About three years ago his health began to fail, and since that time he has been inactive in his profession. Mr. Freeman was 61 years old at the time of his death.

Russian Professor Surveys Curriculum

Professor N. N. Raubtzoff of the Technical College of Moscow, Russia, is at present at Armour Institute making a comparative study of the curriculum, methods of instruction and shop and laboratory equipment. This study is a part of a nation-wide preliminary survey now being conducted in the interests of the Russian Government by Professor Raubtzoff and his associates. It is to be supplemented by another survey to be conducted next year by a larger committee making a more exhaustive investigation.

The fact that Professor Raubtzoff investigations include only the leading Technical Colleges of the country gives ample indication of how Armour's reputation has traveled to foreign lands.

SCHOOL CALENDAR

Friday, Nov. 2, 1928:
2:30 a. m., Opening of Pi Tau Sigma National Convention at Armour Tech.
1:00 p. m., Honor "A" Society in Science Hall.
Saturday, Nov. 3, 1928:
8:30 a. m., Continuation of Pi Tau Sigma Convention.
Tuesday, Nov. 6, 1928:
Election Day. A Holiday for Day and Night Students.
Wednesday, Nov. 7, 1928:
5:00 p. m., Armour Tech News Staff Meeting in the News Office.
Thursday, Nov. 8, 1928:
8:00 a. m., Issue No. 8 of News distributed.
Friday, Nov. 16, 1928:
8:00 p. m., Senior Dance.

NAT. CONVENTION OF PI TAU SIGMA BRINGS 24 HERE

On Friday and Saturday, November 2 and 3, twenty-four delegates of Pi Tau Sigma, national honorary mechanical engineering fraternity, representing nine other colleges and members of the national council, will hold their convention at Armour Tech.

Friday, between 8 and 9 a. m., the delegates will register, and from 9 to 12 noon will hold their first business session at the Phi Pi Phi house. In the afternoon, at 1:30, the formal initiation of six men will be held, after which a tour of the city and an inspection of the new sewage-disposal plant will be made.

The feature of the evening will be a banquet and card party at the I. W. A. G.

Saturday morning between 8:30 and 12 noon the second business session will be conducted. In the afternoon the delegates will see the Chicago-Penn State game, after which the convention will be officially closed.

G. H. Smith and F. C. Theede are the Armour chapter delegates.

Four Honorary Frats Announce Pledge List

Several of the honorary fraternities have pledged during the past week. The pledges are chosen from the Junior and Senior classes on a basis of scholarship, school activities, personality, and character.

Tau Beta Pi, national honorary engineering fraternity: H. H. Dojois, N. S. Ewing, H. E. Goranson, M. J. Kittler, Harry Nissen, F. C. Ong, R. F. Stellar, Seniors, and E. R. Rowley, a Junior.

Eta Kappa Nu, honorary electrical engineering fraternity: Seniors, J. C. Hromada, F. W. McCloska, F. C. Ong; Juniors, F. H. Bigelow, M. A. Tennyson, and F. O. Zimmerman.

Phi Lambda Upsilon, honorary chemical engineering fraternity: Seymour Goodheart, a Senior; E. P. Boynton, Jack Goldman, A. T. Martin, J. E. Tarman, and W. R. Trognitz, all Juniors.

Salamander, honorary fire protection engineering fraternity: W. H. Berry, J. W. Gamble, R. E. Johnson, Seniors, and R. J. Gunther, a Junior.

Announcement of the pledges of Chi Epsilon, national honorary Civil, Scars, honorary Architecture, and Sphinx, honorary literary, will be made as soon as available.

"Movies" To Feature Next A.S.M.E. Meeting

Next week there will be a meeting of the Armour Branch of the American Society of Mechanical Engineers at which motion pictures will be shown. The films will be one of several which the leading manufacturers have offered and will probably be that showing the manufacturing and testing of Studebaker cars.

The officers are at work trying to make up a schedule of first class speakers and films to be presented before the Society.

C. A. Blomquist is the chairman of the organization.

Hoover Landslide of 4-1 Magnitude Predicted By Recent News Straw Vote

Herbert Hoover swept the ARMOUR TECH NEWS presidential straw vote last week with a landslide of nearly 4 to 1 magnitude. The total count showed 285 ballots for Hoover over against 74 tallies for Smith.

Faculty 100 Percent Hoover
All faculty votes were for Herbert Hoover. About forty of the faculty cast ballots, which is over half their number, and enough to draw a representative curve!

The greatest odds against Smith were evidenced in the electrical engineering, where the count stood 6-1 for the engineer for president. In the fire protection engineering course the odds were only 2-1.

Bookstore Goes Democratic!
One voter, taking a course in "Doughology" "every year," placed a neat cross on Al Smith's grave, or rather, his square. Stanley "Dough" Livingston's handwriting is unmistakable. Another ballot emphatically

marked for Smith was labeled, "Alumnus, 1922." It had all the earmarks of having been thrown in by J. Warren McAffrey.

In tabulating the ballots by classes figures revealed the Juniors with a 4 1-2 to 1 ratio for Hoover, Seniors, 4 to 1; Freshmen, 3 1-2 to 1, while the Sophomores were 3 to 1 for Hoover.

Wide Interest Manifest
Ballots were given only to subscribers of the NEWS. Out of the approximately 630 who received ballots, 371 votes were cast, or about 60 percent, which indicates a wide interest in the experiment.

Varney, prohibitionist candidate, polled five votes, four of which were from Seniors. Thomas, the Socialist nominee, received four votes, three of which were from Fire Protects. Foster had three supporters.

Other prominent Americans who received votes were: Will Rogers, 2; Vernet V. Poupitch, 1.

"Grand Old Man" of Football Gets Huge Ovation At Assembly

The first general assembly of the semester was held last Friday, October 26, in the Assembly Hall. The speaker of the day was Professor Amos Alonzo Stagg, football coach at the University of Chicago, and his subject was "Playing Square."

Associate Professor Schommer, one of Stagg's former stars, introduced him to the students as the "Grand Old Man" of football.

Advises Fair Play
Most of Coach Stagg's speech was in the way of advice to the students to "play the game square," no matter what kind of a game it is, whether in sport or in business. "No matter what the circumstances be, always play loyally and square, because above all that's what matters most. It's not the winning or the losing of a game, but it is a question of whether you've played it fair and square."

In another instance he said, "Boys, remember to keep fit and healthy at all times; be fair to yourselves and know yourselves at all times; have control of all your energies, and in that way you will always be able to play the game square. I can't impress on you strong enough of what importance this is in everybody's life and career."

Coach Stagg illustrated his talk with several personal experiences, stressing the necessity of honesty and fair play. After the speech, Prof. Schommer thanked Coach Stagg on behalf of the faculty and student body, and very appropriately remarked, "This just goes to show you, boys, that after all, a pile of bricks doesn't make a university; it takes men." The assembly ended up with the singing of the "Armour Fight Song," after which the 11:30 classes were resumed.

Red Cross Membership Drive Starts Nov. 11

The Twelfth Annual Membership Roll Call of the American National Red Cross to enroll members for 1929 begins Nov. 11, Armistice Day, and ends on Thanksgiving Day, Nov. 29.

Money received at the Roll Call is the only source of income enjoyed by the Red Cross, except that occasionally in times of great disaster, such as the recent hurricane which swept Porto Rico and Florida, or the Mississippi Valley Flood of a few seasons back, when special relief fund drives are carried on.

HONOR "A" MEETING

The Honor "A" Society will meet Friday, November 1, in Science Hall at 1:00 p. m. This meeting will be held for the purpose of taking in new members. All men who have won a major or a minor "A" are eligible for membership.

Information On Pro- bation System Given Out By Deans' Office

Owing to the fact that at the present time there is but little information in the School Bulletin regarding the methods of handling the cases of students on probation the following article has been written to better acquaint the student body with these details.

Conditions for Probation
Any student who fails in a majority of his subjects or in the principal subjects of his course is placed on probation by the Office of the Deans for a period of one semester. During this time the delinquent student must improve his scholastic standing or he is dropped from the Institute. The Office of the Deans makes every effort to aid students in this position and has adopted a system in this regard which has proved very successful.

A questionnaire is sent at regular intervals to the instructors of each student on probation in regard to the scholastic standing of the student in question. These reports are filed out and returned to the Office of the Deans where they are studied carefully. If it becomes evident that a student will fail in one or more subjects he is permitted to drop as many as is compatible with the continuation of his course. By dropping a subject in this way the student is enabled to concentrate on those remaining and frequently passes several which he might otherwise have failed. If all of these methods fail the student severs his connection with the Institute.

Cases Treated Individually
The comparatively small student body has made it unnecessary for the Deans to adopt any set rule of procedure in this regard and each individual case is reviewed carefully before action is taken. At the present time there are 31 students on probation, most of whom, according to Dean Palmer, give indications of regaining their scholastic standing by the end of the semester.

Junior Chemicals Visit So. Side Pumping Station

Last Friday, Oct. 26, the Junior Chemical Engineering class visited the 68th St. pumping station and experimental filtration plant. The 68th St. plant is one of the largest in the city, delivering 130,000,000 gallons daily at the present time with an ultimate capacity of 200,000,000 gallons daily.

The filtration plant was of especial interest. Here large scale methods of filtering water are being conducted on a laboratory scale for the purpose of ascertaining the methods most applicable to Chicago's water supply. The students were conducted through the plant by Mr. J. R. Baylis, Chief Filtration Chemist of the City of Chicago.

ANNOUNCEMENT

Owing to the fact that there seems to be some misunderstanding, especially on the part of the new students, Dean Penn wishes to have it made clear that the official Lost and Found Bureau is located in the Deans' Office. Articles which are found should be turned in there. Students who lose anything are to inquire there for it.

FIFTY STUDENTS WANTED TO SUPER IN OPERA "AIDA"

Through the courtesy of the University of Chicago, it is again possible for Armour students to "super" in the opera and in that way obtain passes for the remaining presentations at the Auditorium. For the first performance, Aida, fifty men are wanted. This will be held Saturday, November 3, and all men signing up for "super" duty are requested to be at the stage entrance of the Auditorium not later than 1:00 p. m. It is very important that all men be on time, as instructions will be given out at that time.

Those who make good will be asked to continue in that line of duty for the rest of the Opera season. This enables you to obtain a pass for the opera after having "supered" in three performances. Positions are especially open to men with experience "in supering" but there are several vacancies to be filled by new men.

The performance Saturday afternoon, Nov. 3, will be the opera Aida. All will agree that Aida is one of the finest operas of the Chicago season. It is well worth seeing, and should be an inducement for all opera lovers at Armour to get signed up early on the "super" roll.

The stage entrance of the Auditorium is located one-half block south of Van Buren St. on Michigan Ave. And again, BE ON TIME! 1:00 p. m. Saturday, Nov. 3.

New Device Defies Gravity; We Wonder!

Professor Wilcox, head of the Physics department recently was interviewed by Chicago Daily News and Tribune representative. His opinion was asked on the recent invention of Mr. Tate, an English inventor, of a method of overcoming the force of gravitation.

Mr. Tate states his new force will eliminate and not insulate gravity. He does not patent his method as he believes the secret is so simple and so easily explained, with such great possibilities that he desires to keep the secret for his own use.

Both Dr. Grace, vice president of the Bell Telephone Laboratories of New York, and Professor Wilcox believe that the force is explained by super-magnetism. The Bell Telephone Co. have an apparatus of this sort, consisting of a cobalt steel piece about four inches long and one-quarter inch square held in mid-air in guides by a similar piece of metal placed in a wooden block.

Prof. Wilcox has a duplicate of this apparatus in his office, also coming from the Bell Telephone Co. The principle of operation follows the very fundamental law of magnetism, that like poles of a magnet repel each other.

The possibilities according to Mr. Tate are staggering, as houses could be built in the air, air traffic could be controlled and airplanes would not be required to oppose the law of gravitation. With these possibilities, —oh well, what is this world coming to?

R. J. Guenther and V. A. Peterson are to be the delegates of the Armour chapter of Eta Kappa Nu, national honorary electrical engineering fraternity, to the annual convention at the University of Minnesota at Minneapolis. At this convention, twenty-three active chapters and twelve alumni chapters will be represented. Guenther and Peterson are leaving at 6:30 tonight over the C. and N.W.

56 FLOCK TO GYM AT SOUNDING OF BASKET CLARION

Krafft Puts Men Through Traces; New and Old Vie For Berths

JOHNNIE MANZ IS CAPTAIN

Fifty-six men, the largest initial turnout in the history of Armour, responded to Coach Krafft's call for basketball candidates, Thursday, October 25. The home gym literally buzzed with activity, and it is said that with the exception of a few social functions and gym classes held up there, the place has never been so crowded. Bill Krafft was all smiles at the initial reception given him as new basketball coach. He attributed the overwhelming turn-out largely to the advertising given the team by the NEWS.

Heavy Freshman Turnout
There was a good sprinkling of freshman talent together with a good sized bunch of upper classmen. Capt. Johnny Manz was there with all his old time "zip," and if early indications mean anything, he should be this year's star. King Simpson, Jimmy Fee, and Stan Ott share honors with Johnny by the way they handled themselves and should be important cogs in this season's machine. Goodheart, Ewing and Rowley are also back and appear to be in good condition.

Of the new material, Leyden looks a sure bet with a lot of practice. Erland, all-county choice from his particular locality in Indiana, handles himself with all the grace of a veteran, and no doubt will be given due consideration.

Big Men Needed
Bill Krafft, although delighted with the large turnout, is somewhat gloomy about the size of the men. It takes a good heavy man to meet with a heavy man on the floor; so without the necessary weight, Armour will be handicapped. However, prospects are bright of developing a real fast outfit with this year's material, and if the old saying, "what is lost in power, is gained in speed," means anything, the loss of weight should be more than compensated.

Bill Keeps 'Em Busy
Practice at first was merely a matter of getting acquainted with new surroundings and tossing baskets. After a few minutes of this, Krafft ordered his men about, dividing them into groups shooting at separate baskets. By the way many of the boys were attempting to sink the ball (Continued on page 4, column 3)

Tau Beta Pi President At St. Louis Conclave

John W. Manz, '29, senior mechanical, left last night as a delegate of Illinois Beta Chapter of Tau Beta Pi, national honorary engineering fraternity, to the twenty-seventh annual convention of the society being held in St. Louis. Missouri Gamma chapter, located at Washington University, is acting as host to the delegates. The convention is a three day affair, continuing today, tomorrow and Saturday.

Manz is president of the Armour chapter of Tau Beta Pi, and is also president of the honorary fraternity council.

Two Juniors Pledged By "Flask and Beaker"

Flask and Beaker, a professional club whose members are from the chemical department, pledged P. M. Rusevich and V. A. Sturm last Tuesday evening. These men are both from the Junior class. According to the rules of the club, no one can be pledged before he is in the second semester of his sophomore year. The accounts for the fact that there are so few pledges at this season.