



FROSH INFORMAL WILL BE HELD AT I.W.A.C., APRIL 10

Elmer Kaiser's Ramblers To Furnish Music

BIDS NOW ON SALE

A large number of upperclassmen as well as first year men are expected to attend the Freshman Informal which will be held at the Illinois Women's Athletic Club on Friday, April 10.

Everything possible is being done by the dance committee to make this affair one of the biggest and best in Armour history. The freshmen are especially anxious that the sophomores, juniors, and seniors will be there, and they are sure that the dance will please all comers.

It is easy to find the place. Follow the crowd to 820 Tower Court and take the elevator to the thirteenth floor. On presentation of a parchment bid bearing the Armour seal, you will be given a leather covered program with the A. I. T. colors and allowed to enter the spacious ball-room where Elmer Kaiser's Northwestern Ramblers will be playing the best of dance music. Lounges at the end of the hall will provide comfortable space for between dances. Activity will start at 8:30.

Admission, \$2.50

Bids, which cost \$2.50 may be obtained from the freshman class officers, members of the dance committee, or from a number of upperclassmen who are helping with the sale. Any loyal freshman will be glad to guide a prospective purchaser to an agent.

More particulars about the big affair may be obtained from L. A. Callen, the Freshman social chairman, to whom credit is due for his hard work to make the dance a success. The class officers are: R. Cheatham, D. S. Manson, F. Lowry, and R. Drum. Bids may also be obtained from L. A. Callen, B. H. Peterson, V. Rimsha, L. Lynch, T. Peavy, and R. Sullivan, all members of the committee.

Rifle Team Intends To Challenge Others

The Armour Tech Rifle team of this year will go down in history as a highly successful organization. At present they are almost unbeatable, and are going out to win more laurels by challenging championship teams all over the country.

The Big Ten Rifle Championship at Illinois is to be shot this week, and Armour's men are planning to challenge the winner of this big event to a postal match. With things standing as they are now, the Armour team has a good chance to win if the challenge is accepted since it has beaten many high standing teams such as will be entered in the Big Ten match. To date the Tech Rifle Club has dropped but three matches, two of which were lost to the New York Stock Exchange. The men are creeping up, however, and are hopeful of beating the Stock Exchange in the near future.

At the present time the membership of the club is not quite up to capacity, and new members are welcome. An interdepartment match will be held soon if the club members show sufficient interest in the idea. The regular members of the Rifle Team will not be allowed to compete, and so the others will be able to shoot against skill which is average.

The student body of Armour should be justly proud of the showing that the team made in the recent State meet. Every award that it was possible to win went to the Tech Rifemen.

Plan Assembly For Next Week

General Robert Irwin Rees will speak to the students of Armour at 10:30, April 7 in the Assembly Hall. His subject will be the "Future Responsibilities of the Engineer."

General Rees is Assistant Vice-President of the American Telephone and Telegraph Company. He is responsible for the employment and training of students for the Bell System and is in charge of the development of general educational activities. Since 1925 the American Telephone and Telegraph Company has been making a study of the relation of college scholarship to success in the Bell System. The records of all the college men who had spent nearly all of their business careers in the Bell System. It was found that after about five years the earnings of the scholarship men began to rise above that of the ordinary college man. The records also showed that the scholarship record on the average was proportional to the wage. Strikingly enough, this was true for both the men who graduated from engineering schools and those who graduated in arts and business. Thus, we wonder whether it matters what course a man takes as much as what grades he makes.

Results would seem to show that a man in college should train the muscles of his brain as well as "get by" and receive a diploma.

General Rees has extended this study to men who have not been to college and will probably give some facts about them in his speech.

During the World War General Rees had charge of all the educational work in the A. E. F. He also served in the Spanish-American War and the Philippine Insurrection and should be able to give a very interesting speech on his experiences and researches.

According to the school authorities, this assembly will be of interest to all students, especially the seniors. These men, who will soon be out of school, should find the talk by General Rees both instructive and helpful.

Powerful X-Ray Is Donated to School

A valuable piece of equipment in the form of a one hundred and sixty-five thousand volt Acme X-ray machine was received last Friday by the Institute as the gift of Doctor Hollis Potter M. D. of 1222 South Michigan Avenue.

The donation was arranged through the offices of Professor Moreton who is a friend of Doctor Potter and who suggested that the machine could be used by the school to good advantage.

The apparatus is very powerful and too intense for use in anything except special cases which require a high penetrating power, such cases being very few in medical practice; although metallurgical analyses of crystalline structures and other characteristics of different materials cannot be handled with the ordinary low powered X-ray.

Behavior of the high frequency rays will be studied with greater facility due to the increased magnitude of the attendant phenomena when a very high voltage actuates the X-ray tube.

It is believed that several departments will find the high powered X-ray a valuable research tool and with this end in view arrangements are being made to have the machine set up and available for immediate use.

The apparatus consists of several pieces, the largest of these being a high voltage transformer and the synchronous rectifier which were delivered in several parts. A representative of the Acme X-ray Company is working on the assembly of this equipment here at Armour.

Doctor Potter, the donor, is very well known in the field of roentgenology both for his research and his patents on X-ray equipment, of which there are several.

TWENTY ONE MEN ARE PLEDGED BY FOUR HONORARIES

During the past two weeks four of Armour's honorary engineering societies have chosen pledges.

The qualifications which determine selection are high qualities of character, loyalty, personality leadership, and college activity.

Tau Beta Pi honorary engineering fraternity at a meeting held at the Sigma Kappa Delta house last Thursday, pledged the following men:

A. Bogot, M. E. '32.
C. N. Cannon, M. E. '32.
E. H. Chun, M. E. '32.
H. R. Davis, M. E. '32.
M. Fagen, E. E. '32.
R. E. Meagher, C. E. '32.
H. C. Rossing, C. E. '32.
W. H. Rudolf, C. E. '32.
E. A. Scanlan, Jr., F. P. E. '32.
W. M. Trauten, F. P. E. '32.

It is noteworthy to remark that the scholastic average of Tau Beta Pi, which is 93.9 per cent, is the highest of any fraternity on the campus.

Chi Epsilon, honorary civil engineering fraternity, at a meeting held in Phi Pi Phi house on March 19th, pledged the following:

Carl A. Erickson '32.
Oscar Eskonen '32.
Albert A. Koch '32.
Harvey C. Rossing '32.
Wilbur H. Rudolf '32.

Eta Kappa Nu, the honorary electrical engineering fraternity also announces the pledging of five men. They are:

Emerson G. Squires '31.
George L. Bonvallet '32.
Thomas A. McGill '32.
Virgil J. Minnick '32.
Max J. Schinke '32.

The following men were pledged to Pi Tau Sigma, honorary mechanical engineering society:

Alexander Bogot '32.
E. H. Chun '32.
J. S. McCall '32.
A. J. Jungels '32.
R. F. Waindle '32.

Junior Dance Being Planned by Chairman

Plans for the 1931 Junior Formal are being formulated by social chairman J. J. Casey and his assistants.

Since the date of Junior Week has not been definitely set; no statement can be made as to the date of the Formal. According to precedent however the Formal, is always held on the Friday of Junior Week.

Up to the present time the Social Chairman has several orchestras in consideration and is somewhat perplexed as to decide definitely which one to select.

The Social Chairman, and the Junior Marshal, Waindle are industriously engaged with the details of that Formal and the selection of the committee.

Former Graduate of Armour Passes Away

Arthur Harlan Everly E. E. '28 passed away on Wednesday, March 18th at the home of his parents in Bushnell, Illinois. While attending Armour, Everly was one of the outstanding men of his department. He was a member of Eta Kappa Nu, the Glee Club, and the Varsity Track team.

Upon graduating from Armour, Everly was employed by the General Electric Company. In June of the same year he married Miss Neva Crabtree. In July, 1928 he went to the Schenectady plant of the General Electric Company making his residence there.

A little more than a year later Everly returned to Chicago, where he secured a position with the Illinois Bell Telephone Company. After working for the telephone company for a short time he was afflicted with the disease that caused his death. The members of the faculty who knew Everly were deeply grieved to learn of the death of this promising young engineer.

News Announces Results of Vote

Last Tuesday in the Main Lobby of the Institute one of the most interesting elections ever held in this vicinity took place. Minors, as well as men, had an unusual opportunity to denote the candidate of their choice for mayor of the City of Chicago. (A rumor has been going the rounds that all those who voted were not citizens of Chicago.)

During the entire mayoral hubbub, the Armour Tech News has maintained a strict neutrality. Bribes amounting to millions of dollars have been turned down in order that the minds of the students may be kept free from prejudice.

The results of the election show many interesting features. In addition to the two candidates listed on the ballot five others won the favor of voters. These candidates, it seems, were induced to run after Coroner Bundesen refused. Of the five three were gleaned from the school, one from gangland, and the other from the comic strips. Truly a representative gathering of celebrities was assured.

But again the figures show an odd occurrence. The three Armour candidates and our friend, the gunman, trailed the field ignominiously, while our friend of the comics proved to be the third choice of the Armourites.

But now let us turn our attention toward the two candidates listed on the printed ballot. Was William Hale Thompson the choice of the engineers or was Anton J. Cermak the favorite? After all, this was the question that was to be decided within our lofty portals. In fact it was decided. In fact an attempt has been made to give order to make this a good news story the final results, the very essence of the article, in the first sentence.

But again the problem of retaining neutrality is encountered. After releasing millions, perhaps it would be best not to print the results at all. Again the fee for a notary to prove that the count was correct was just exactly "four bits" more than could be scraped up.

In spite of all these difficulties here are the results:

Anton J. Cermak 501
William H. Thompson 101
Others 7

Total 609
From the above table it is quite apparent that Mr. Total won by a margin of 108 votes.

Senior Electricals Inspect Paper Mill

An inspection trip through the paper mills of the Container Corporation of America provided a pleasant afternoon for the Electricals a week ago today. Although the plant has for its chief product an article which does not usually fall into the lot of the electrical engineer, the plant offered a good example of efficient paper manufacturing practice.

When it comes to obtaining their raw material, these folks are in a somewhat unique position, because most of the paper used in making the corrugated board, which is finally cut and folded into cartons of various shapes, comes from the waste baskets and other depositories of paper refuse.

The inspection was complete in every respect because the process was picked up at the place where the trucks bring in the paper in bales and from here the men went to the paper manufacturing division where the paper is treated and reduced to a pulp after which some fresh paper is put into the mixture if it is deemed necessary.

By application of heat and pressure a new paper is made and sheets of this are stamped out into suitable shapes by huge presses. The container can then either be shipped in knockdown form if of an easily assembled nature or if this is impossible the container is put together and sent out in completed form.

With scrapped papers as a raw material and strong, sturdy cartons (Continued on Page Three)

OGDEN FIELD TO BE SCENE OF PICTURE-TAKING PROGRAM FOR NEW ARMOUR YEARBOOK

Cycle Editor Gives Schedule for All Outdoor Club and Group Pictures

PHOTOGRAPHER WILL WORK ALL DAY

EASTER HOLIDAYS

There will be no school next Friday and Saturday, April 3 and 4.

No issue of the *Armour Tech News* will be published the following week.

The next issue will be distributed on Tuesday, April 14.

Illness Attacks Faculty Members

Some of the faculty members it seems have become victims of the inclement weather that the season brings upon us.

Professor Paul, head of the mechanics department, came back to school yesterday, after having been home for a week laid up with a bad cold.

While he has not been seriously ill, the cold with its attendant sore throat made it advisable for him to remain at home where there were no chances for serious developments.

His absence was not considered lengthy enough to give his class over to one of the other professors, so his men started anew yesterday after a week's respite.

This is the first time in his fourteen years at Armour that Professor Paul has been forced to remain at home because of illness.

After a week's observation, it was found necessary to subject Professor Finnegan, head of the Fire Protection Engineering Department, to a operation.

The surgical work was performed at the New England Baptist Hospital in Boston, where Professor Finnegan has been for the past two weeks. The operation being performed the first of last week.

Professor Finnegan is expected to be well enough to come home the first of this week and he hopes to be able to return to his work at the Laboratories and at school within a week.

Professor A. E. Phillips, head of the civil engineering department is still confined to the West Side Presbyterian Hospital. The doctors have not yet completed their observations.

Since the diagnosis is not yet determined, the exact time of Professor Phillips' return to classes is not known. However it is certain that he will not return for several weeks.

CALENDAR

Tuesday, March 31

8:30 P. M.—Cycle Pictures.

Thursday, April 2

4:30 P. M.—Swimming: Loyola vs. Armour at University of Chicago.

Friday and Saturday, April 3 & 4
Easter Holidays—No School

Tuesday, April 7

10:30 A. M.—General Assembly.

Wednesday, April 8

8:00 P. M.—Boxing: Loyola vs. Armour at Loyola.

Friday, April 10

4:30 P. M.—Baseball: Morton vs. Armour at Ogden Field.

8:30 P. M.—Freshman Informal at the Illinois Women's Athletic Club, 820 Tower Court.

Saturday, April 11

8:00 A. M.—Golf: Armour Tech Annual Golf Tournament at Evergreen Golf Course, 92nd and Western Avenue.

Group pictures for the 1931 Cycle, Armour's year book, will be taken today in Ogden Field.

The complete schedule, which appears on page 3, differs in one respect from the one that was first posted last week on the bulletin board. Instead of taking the freshman class picture at 9:50, as had been announced, it will be taken at 12:30. This is due to the fact that the freshman architects cannot be present at the Institute at 9:50.

Should the weather turn out to be unfavorable to picture taking, the schedule will be run off Thursday, April 2. All changes, additions, postponements, and rearrangements will be announced on the bulletin board.

The junior and sophomore classes will have their pictures taken at 9:00 and 9:25 respectively, the juniors starting the schedule. The freshman class will be snapped at 12:30. Other groups will be taken as shown on the schedule. Pictures will be taken in two places in Ogden Field, several of the smaller group pictures being taken in the southeast corner of the field. Stands are to be erected for the various club and group pictures.

Students will be dismissed from classes for pictures but will be excused only for and at the proper time. The groups must be ready for their pictures at least five minutes before the time scheduled. A notebook will be passed around each group as it appears in the picture, and each man will sign his name in the proper order.

W9EIP Described at Last A. R. A. Meeting

At the last meeting of the Armour Radio Association, last Friday, W. A. Schrader, E. E. '31, gave an interesting description of the amateur radio station W9EIP, owned and operated by him at the Theta Xi house.

The transmitter is a crystal-controlled job using one 852 and three 210 tubes. The receiver incorporates some of the latest features such as screen grid r. f. amplification and a screen grid detector. Schrader also explained the exacting process required in grinding the quartz crystal employed in transmitters to maintain them at a constant frequency.

At future meetings it is planned to have members explain the purpose and action of various apparatus used in radio stations.

The weekly code practice class inaugurated Friday, March 20, met for the second time last Friday at one o'clock in the Armour radio station. W9YW.

Students Hear Dean Palmer at Assembly

A special meeting of sophomores and junior students was held Friday, March 27 at 10:30 in the Assembly Hall for discussing the prevalent conditions at the institute.

Dean Palmer praised the efficiency of our student organizations for keeping the affairs of the school in good working order. He commented on the misuse of the library material by some students, and urged everybody present to cooperate and to see that the stolen books be returned to the library. If valuable books continue to be stolen, the students will be hampered in their work. Last year the Crerar Library lost 200 books, while the University of Chicago misses 70 books each year.