Armour Tech News

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UNION TO OPEN MONDAY

Initiate Seven Into Tau Bete; Spencer Addresses Meeting

Schommer Talks Football After Dinner

Initiation of seven men into Tau Beta Pi, national engineering honorary fraternity, was conducted last Tuesday night before an assemblage of about one hundred and fifty alumni members of Tau Beta Pi, convened at the Brevoort Hotel for a meeting of the Chicago Alumni chapter. Charles H. Spencer, national president of the Tau Beta Pi Association, and John Schommer of Armour Tech were the main speakers of the evening. Those initiated were: Roland B. Boertitz, Howard R. Coyle, Paul F. Henriksen, Robert I. Jaffee, Joseph J. Janicek, John D. Keane, and Ambrose M. Richardson.

Tau Betes,young and old, from schools all over the country but residing in the Chicago District, gathered together in the Gold Room of the Brevoort at about 6:30 p.m. After steak and "fixin's" and after-dinner conversation, John Schommer, dean of referees and professor at Armour, gave the group the inside story behind the various football regulations.

Discuss Tau Bete Work

Mr. Spencer, affectionately known to Tau Betes as "Uncle Charlie," then presented an informal talk on Tau Beta Pi, its meanings, and the work that it is doing. According to Mr. Spencer, an honorary fraternity that serves no other purpose than that of exercising its initiating function is rather a poor one. He then discussed the work Tau Beta Pi did last year, the organization's periodical, *The Bent*, and the Tau Bete fellowships awarded in recent years.

Mr. Spencer is a graduate of the University of Michigan, and was chief engineer for the interstate commerce commission from its inception until recently when he retired.

President Heald Talks

President Heald who was sitting at the speakers' table then gave a short speech, after which the initiation ceremonies of the Armour chapter were conducted.

Mr. Spencer then left for the University of Wisconsin, but promised to return to Armour on Friday night. A dinner in honor of him was held Friday night in the lunch-room with about twenty-five active members and Armour faculty members of Tau Beta Pi attending.

A.T.S.A. Board Will Meet Wednesday For Union Control

A committee made up of L. Norkus, chairman, R. Sweeney, E. Huxhold, T. Collier, and D. Mackey has been appointed by the A.T.S.A. to take charge of the entertainment of the Fathers' and Sons' Banquet. The date is to be decided by the committee, it being tentative, as yet, for either January 11 or 14. The banquet will be held in the dining room of the new Student Union.

The Armour Tech Student Association board will meet tomorrow, November 23, to approve the budget appropriations, and to consider a plan for the administration of the new Student Union. A committee consisting of Professor S. M. Spears, chairman, Tom Collier, and Dick Vandekieft met the week before last to offer a plan for the administration of the Student Union to the board for its consent. The plans offered as yet vary in enough respects as to make the ultimate plan a bit vague in the minds of those drawing it up, but a definite plan is expected to take shape within the next week or so.

P.L.U. Pledges Seven Chemicals at Meeting; McCormack Officiates

Five seniors and two juniors were pledged to Phi Lambda Upsilon, national honorary chemical fraternity, at the last A.I.Ch.E. meeting held in Physics Lecture Room last Friday. The meeting was called to order by Paul Peltier, president of the Armour chapter of the A.I.Ch.E.

He then introduced R. B. Boertitz, president of Phi Lambda Upsilon, who in turn introduced Professor H. McCormack. Professor McCormack gave a brief talk on the purpose and importance of the fraternity, he himself being a pioneer in the establishment of Armour chapter.

Pledges were then called on and came to the front of the room. The following men were pledged: Louis Bain, William Hofmann, Robert Jaffee, Willard Kruse, and Anton Pater, seniors; and Sidney Heenan, Henry Newman, juniors.

As their first pledge duties Newman and Heenan gave fifteen minute talks on the "History and Development of Fermentation." Newman spoke on the history from ancient times up to the time of Pasteur.

Difficulties in application of pure-culture yeast in industry were emphasized by the speakers. Several industrial processes of propogating yeast were discussed. These included the Vienna process and the molasses-ammonia process, which is being widely used today.

After the talks, Professor McCormack led a discussion in which he issued the only complaint against the speakers—that they should have referred to the Bible for additional material on brewing.

Bids for Senior Dance On Sale After Holidays

Early December will find one of the country's leading orchestra's occupying the pit at Armour's new and modernistic Union building for the first time. The event will be the eagerly awaited senior dance, date of which is December 10.

One of the feature events of the evening will be a unique balloon display introduced by the social committee of which B. G. Anderson is chairman. "We'll have a real celebration," says Mr. Anderson, "and we'll guarantee everyone a good time. Since it's the first dance in the new building, we hope to have a good turn-out from the entire school."

The Union, with its brown walls and cream ceiling, its indirect lighting by new, modernistic fixtures, and its new, smooth dance floor, will present a suitable atmosphere for the gala event. Adding beauty to the surroundings will be the new asphalt tile hallways, the solid stairway railings, and the improved platform.

For the convenience of those bringing their cars for the event, the social committee has arranged for plenty of parking space south of the main building and opposite Ogden Field on Dearborn St. Police and school watchmen will be on special duty to protect all these cars during the evening.

Salamander Initiates Four New Men at Swedish Club

Salamander, the honorary fire protection engineering fraternity, initiated four men into its ranks a week ago yesterday, in a ceremony held at the Swedish Club of Chicago. The men honored were Don C. Rogge and Thomas A. Hunter, students, and Leonard Peterson and William Pfaflin, alumni.

After carrying a 2½ gallon fire extinguisher around the campus for a week, and writing a 5,000 word theme, the two pledges were amply rewarded by the excellent smorgasbord and steak dinner served by the club.

Twenty one members of the fraternity were assembled from the Chicago area for the ceremony.

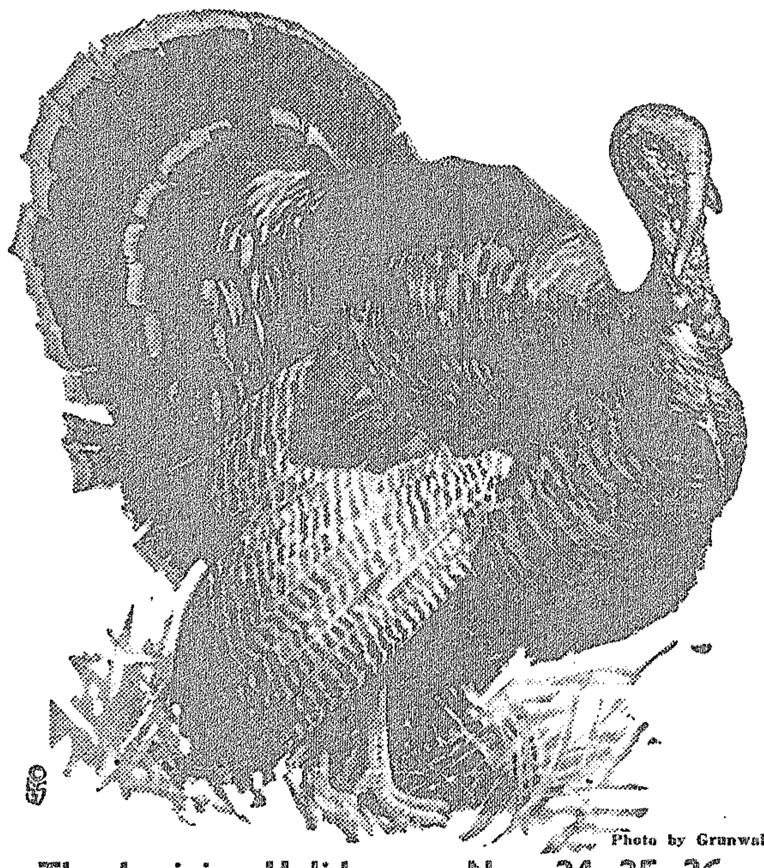

Photo by Grunwald

Thanksgiving Holidays — Nov. 24, 25, 26

Armour Series Relates Story Of 'Wirephoto'

At times man's contact with engineering wonders is dramatic, and abundant proof, if any is needed, was supplied via ethereal waves last Saturday afternoon as Armour Tech presented the "Epic of the Wirephoto" over WCFL.

Aired at 5 p.m., the broadcast inaugurated the sixth series of educational programs sponsored by the institute.

Present Recent Developments

As the wirephoto is a comparatively recent development in the field of engineering, the program presented much information with which the average citizen is unfamiliar. Many newspaper readers are aware that modern publications are equipped to print pictures of events across the world almost as soon as they happen, but few realize that the changes of dark and light are represented by electric modulations carried by a 2400 cycle current.

Pictures are transmitted over telephone wires by means of a photo electric cell, more commonly known as the electric eye. The "eye" transforms groups of lights and shadows into electric impulses which speed to their destination through wires to reverse the process at the receiving end. The average newspicture can be transmitted in about eight minutes, thus making it possible to publish in a Chicago newspaper, pictures of an event in San Francisco, before an hour's time has elapsed.

Parts Coordinated Perfectly

The ingenuity of the engineer was brought out as the narrator explained the incredible coordination which has been found necessary for the efficient operation of the wirephoto. In order to transmit recognizable pictures, the movements of the "scanner" and the "receiver" must be perfectly synchronized. This has made necessary the development of intricate equipment which retains the responsibility of keeping the units in dozens of cities in step at all times.

A touch of human interest was added to the program by depicting events in the lives of members of the Bolten family whose welfare was vitally effected by a wirephoto.

Next Saturday afternoon at 5 o'clock, Armour Tech will narrate over WCFL, the great story of the building of the Golden Gate bridge and the human struggle behind the construction.

Sunde, Oldenburg To Head Juniors

Last Wednesday at their first meeting, the members of the junior commission selected officers to conduct meetings and to represent both the commission and the junior class. The election was conducted by J. D. Shaver, retiring class president.

Nominations to each office were restricted to two candidates because of the limited number of voters. D. H. Sunde was chosen president of the commission by a majority of the voters. The position of vice president was given to K. F. Oldenburg, while C. R. Eulo was elected secretary and A. H. Pedersen, class treasurer.

Following the close of the elections, the commissioners entered into a heated discussion concerning the appointment of a social chairman. It was finally decided that the chairman of the social committee should be chosen from the class in general. The commission has posted a notice to the effect that any junior desiring the position of social chairman should turn in his application to the board of commissioners. Each applicant must state his qualifications and experience. Today is the last day that applications will be accepted.

Sophs Initiate Frosh Arx; van der Rohe Gives Plans

Last Thursday evening, the architectural department met at the Triangle restaurant to welcome the class of '42 into the Armour Architectural Society.

Carrying out the initiation ceremony is traditional by the sophomores. Professor van der Rohe and architectural faculty attended; Professor Mangold also attended.

The educational program for the architectural department was outlined for the coming year by Professor van der Rohe. For the remainder of the evening other business was discussed among which was the criticism of the sketches.

NOTICE

Because of the Thanksgiving holidays, there will not be any issue of the ARMOUR TECH NEWS next week.

The editorial department has several openings for reporters. Freshmen and sophomores are especially urged to sign for a staff position at noon today. The office is located on the third floor of the second entrance of Chapin Hall. No previous experience is necessary.

New Series of Graduate Talks To Begin Today

Dr. I. E. Perlin will give a lecture today in Room 217, Chapin Hall, at 11:30 a.m. His lecture, one of the series sponsored by the graduate school, will be on Quasi analytic functions in which he did his work for the doctor's degree. These functions are more general than the analytic functions that have been used so extensively in advanced mathematics.

Associate Professor H. S. Wall of Northwestern University will give the next lecture in the Tuesday series. The subject will be "Continued Fractions." He is an authority on this subject and has had several papers published. Dr. Reed's series was completed Tuesday, November 15, with a discussion of the use of matrices in the calculation of electrical networks. Dr. Reed is one if the few men who are familiar with this subject, which is still in its infancy.

Dr. Oldenburger will give the third in his series of lectures on December 1 at 11:30 a.m. in 217 Chapin Hall. This lecture will be on the "Algebraic Aspects of Symbolic Dynamics." He will give some of the properties of decimal numbers, which imply corresponding properties about motions. This will cover an article recently published in the *American Journal of Mathematics*, which contained some of his results on this subject.

Dr. Oldenburger started his series on November 10 with a lecture on

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All Engineers To Be Included In New Society

Civils Make Motion to Apply For Charter From A.S.C.E.

At the last meeting of the W.S.E. it was decided to apply for a student charter in the American Society of Engineers. This decision came as a climax to a discussion on the relative merits and demerits of adopting the A.S.C.E. and extending the W.S.E. to include all of the engineering societies at Armour.

As the plan has been proposed at the present time, it is decided that each of the individual societies be contacted through their presidents and their opinions received on the subject. The Western Society of Engineers, as the plan suggests, is to act as a parent organization in order to promote meetings on technical subjects for the benefit of the school as a whole. This group would include the freshmen together with the upperclassmen. It is planned to hold these meetings approximately once a month and have a speaker talk on a general subject.

Various advantages and disadvantages of this plan were discussed by two student speakers, D. W. Saigh and F. A. Opila. As pointed out by one of the speakers, the freshmen at the present time have no means of becoming acquainted with the various branches of engineering being taught at Armour. In addition to being an aid to the freshmen in enabling them to intelligently choose a branch of engineering, this type of meeting can serve to give a general knowledge of the other branches of engineering to the members of the various departments.

Also stressed was that many subjects are being taught in various other curricula that certainly could be of benefit to a student taking a particular course. The only way in which information of this sort can

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Student Union Building Ready For Occupancy

Next Monday the long awaited opening of Armour's new Student Union building is to become a reality. Furniture and interior fittings are all that remain to be put in place and if present plans materialize the entire building will be ready for use on Monday morning. Neither Professor Moreton nor Dean Tibbals can see any reason for slips in the plans as they have been carefully thought out.

Lighting fixtures for the assembly hall beneath the balcony are being put in place at present. The lights are of the indirect variety and are hung from the ceiling. Over the center of the floor there has been a large lighting unit built into the ceiling. This unit has a number of direct lights for general illumination in the lower surface, and a group of smaller colored lights around its edge for indirect lighting. These smaller lights are regulated by dimmers to provide all degrees of illumination.

Floor Sanded and Waxed

Flooring for the dance floor has been in place for over two weeks. It has been sanded off and waxed for dancing, so that its surface will be in good shape for the coming senior dance. Since the floor has been leveled off it presents a very expansive surface for dancing, easily able to accommodate two hundred couples.

Complete remodeling of the stage has also been carried out. The old semi-circular platform has been torn out and replaced by a smaller rectangular shaped one, equipped with recessed foot lights. A new curtain has been arranged for. The old organ has had its pipes painted in the same color as the walls, rather than to have the pipes cause such a contrast to the present color of the walls. Connections for the organ have been removed, so its voice will no longer be heard.

Lunchroom Equipment New

New maple flooring is being put down in the old room 'C' and room 'B'. The walls and ceilings have all been redecorated and new solid panel doors have been hung.

Most of the student body saw the van load of new chairs which were delivered last week. They are to go into the new lunch room along with a new set of tables. An entire set of new steam table equipment has been connected, glass shelves for sandwiches and salads have been provided, and abundant counter space has been added.

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Library Receives Many New Technical Books

Continuing its ever active expansion program the library has received a large number of new titles in the past few months. Technical and semi-technical books comprise by far the largest number of the new books.

Tunnels by A. Black gives a very interesting history and description of world-renowned projects of this type. *My Scotland* by A. G. McDonnell and *Composers in America* by C. Reis, exemplify the large field covered in the new books.

All of the new indexes and catalogue together with a 1938 edition of the *Americana Encyclopedia* have been received in the last two months. Some of the new textbooks are *Airplane Structures* by A. S. Niles and J. S. Newell, *Mechanism* by P. Schwamb, and *Handbooks of Organic Analysis* by H. T. Clarke.

Several publications by companies in the nature of handbooks are also available, such as *Testing and Grading Foundry Sands* by the American Foundrymen's Association, a handbook by the New Departure Mfg. Co., and an *Air Conditioning Manual*, published by the Trane Co.