



Armour Tech News



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Armour Institute of Technology, Chicago, Illinois

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Arx 'Bacchanale' Bids Go Rapidly

Advance indications of bid sales point to a sellout of Diana's Bacchanale, the dance to be given by the Architects on Friday, November 13. The tickets, which are selling at \$1.50, are going extremely fast. Tickets for this affair may be purchased from any architect and several of the engineers, including Hansan, Slowiak, Osri and Downing. Any other students who can sell five bids will receive the sixth free.

The dance is to be held at the Diana Court of the Michigan Square Building, located at 540 North Michigan Avenue. This spot is ideal because it is easily accessible due to its central location. The Diana Court is modern in architecture and yet it has old world quiet and charm. Music for this dance will be furnished by Arthur Wise and his Royal Club orchestra.

Death Takes Leader of Insurance Rating

Jackson V. Parker, founder and manager of the Western Actuarial Bureau in Chicago, dean of fire insurance rating men in the Midwest, and founder of the present fire protection engineering scholarships at Armour Institute of Technology, died at his home at the age of 63 in Evanston, October 26, following a year's illness.

Mr. Parker was born in Newport, Minnesota, June 2, 1873. His first insurance experience was obtained with a St. Paul insurance agency. His business career was interrupted when he enlisted in the 13th Minnesota regiment during the Spanish American war and served in the Philippines.

Upon his return he was employed as an examiner by the Sun Underwriters Insurance Company. He went with the old Illinois State Board, making rates in Chicago. In 1904 he started working with Mr. A. F. Dean who was devising the Analytic Schedule. Mr. Dean selected Mr. Parker to help in applying the schedule as an experiment in Illinois.

Mr. Parker displayed exceptional aptitude for the work and was able to show the practicability of the schedule. He continued the work with Mr. Dean until 1907, when he (Continued on page four)

All Freshmen Asked To Consult Advisers

Faculty advisers to the freshman class, a new development in the comprehensive program for entering freshmen, were appointed last week by the dean's office. Each adviser has been given a group of freshmen to whom he will act as individual counsellor.

To Discuss Problems
Each freshman will be able to discuss his scholastic, social and personal problems in confidence with his adviser. The function of these advisers is solely to aid the freshman in his problems; there will be no disciplinary authority vested in these advisers.

A list of the advisers and the freshmen who have been assigned to them has been posted on the bulletin board. Each freshman is requested to see his adviser some time this week. The faculty advisers are: C. G. Anderson, S. F. Bibb, W. B. Fulghum, C. O. Harris, L. G. Lease, R. H. Manley, W. H. Seegrift, S. M. Spears, W. L. Suter, and C. C. Webber.

Results of Test Completed
The results of the freshman tests which were conducted in September are now almost complete. However, no general results, or comparison of results with other colleges will be available for a few months due to the fact that the test differs in content every year.

No publication of the individual scores of the tests will be made, but if any freshman wishes to consult with his adviser about his individual test, he may do so.

A.I.E.E. Smoker to Be Held November 6

The first social event of the year for the Armour branch of the A.I.E.E. will be held at the Delta Tau Delta fraternity at 8:00 p. m. November 6. It is reported by the social committee that there will be movies (Mickey Mouse), gambling (with fake money), and smokes for everyone, including those who like good cigars. Refreshments including sandwiches and coffee will be served. "Problems in Television" was the subject of a talk given by Professor Kent at the meeting last Friday. It was pointed out that there is a vast field in television available for electrical engineers.

The methods of transmitting pictures that are in use today were explained together with the advantages and disadvantages of each. The three most common methods that are in use today are the "point by point" system, the Farnsworth method and the Ionoscope. The one big disadvantage of the mechanical ("point by point") system was in its very low efficiency of .03%.

It was explained that commercial production of television receivers has been delayed because the public has become too critical since the development of high quality movies. At present, the cost of production of the receiving equipment is high and it is thought that there would not be a great demand for such receivers.

Town Grading Topic at F.P.E.S. Meeting

"Town Grading," a topic of special interest to fire protection engineers, was the subject discussed by Colonel C. A. Goldsmith of the National Board of Fire Underwriters at a meeting of the F.P.E.S. on Friday, October 30. Colonel Goldsmith, who earned his title for service in the World War, is now Assistant Chief Engineer of the National Board. He told of the development of the schedule used in town grading since work on the project was first begun in 1904 by a committee of twenty men. Although the war stopped the committee's progress for a time, the schedule was put into effect in 1919.

Consider Water Supply
The objective of town grading is to put each town or city in its proper relation to other towns in regard to fire protection. The National Board lists ten classes of exterior protection. Factors to be considered in grading a town are adequacy and reliability of water supply, distribution and manpower of fire departments, pumping capacity available, building laws, fire zoning, and the adequacy of fire alarm systems. The National Board committee has distributed complete instructions to the different rating bureaus of the middle west on the subject of water main testing.

Salamander Pledges
Earlier in the meeting, four men were pledged to Salamander, honorary fire protection engineering fraternity. Professor J. B. Finnegan, speaking in behalf of the officers and members of Salamander, explained the qualifications required for membership, and announced the names of the pledges. The three senior pledges are W. M. Gunther, J. F. McCaulay, and E. J. Simek. The junior is L. B. Parker, who holds the highest scholastic average among the junior fire protectors.

Armour Is Host to Round Table Session

Members of the faculties of twenty high schools from Chicago and northern Illinois were guests of Armour Institute Friday evening at the Metropolitan Round Table of the Illinois Industrial Education Association held its Industrial Arts Round Table Dinner at the Student Union. The dinner was followed by a speech on "New Developments at Armour Institute of Technology," given by Dr. W. E. Hotchkiss. After E. C. Bloch of the Union Special Machine Company had discussed "Educational Problems in Industry," the members visited the various departments of the evening school.

HOLD DAD'S NIGHT DEC. 8 AT SADDLE AND SIRLOIN CLUB

Feeling that Armour students will support the "Dad's Night" affair, definite plans are being made for this annual get-together. Led by A. P. Schreiber, publicity director of the school, A.T.S.A. officers, Dean Heald and Mr. Allison, the date, site, and other arrangements have been tentatively set.

After considering the Techawk basketball schedule, school leaders feel that the Arkansas game will probably serve best to raise the proposed spirited affair to unforgettable heights. With their flashy type of hard driving basketball, the tall rangy Arkansans will add the necessary zest to the evening.

Date is December 8
Tuesday, December 8, will probably be the date. The place considered most suitable is the Saddle and Sirloin Club located in the Chicago Stockyards. Present plans call for a banquet for the fathers and sons at 6:30 p.m.; speeches and short talks will follow the banquet—and then the basketball game.

In order to keep the group together, plans are being made to have buses carry the crowd to the 108th Engineers Armory at 34th and Wentworth where the Armour home games are held. As a further innovation, the basketball game will be a double header with a freshman game as a preliminary.

Tickets Ready Soon
Following their words by action, the A.T.S.A. officers announced that they will have tickets ready for sale next week. To help encourage ticket sales, presidents of social and professional fraternities, class officers, etc. will be asked to cooperate with the A.T.S.A. officers. One ticket will cover the cost of two dinners, bus transportation to the Armory, and the basketball game. "Dad's Night" is by no means restricted to only students and their parents, but is open to Alumni and faculty members and their sons.

Alpha Chi Sigma Has Smoker at Triangle

Seventeen students enrolled in chemical engineering were guests of Alpha Psi chapter of Alpha Chi Sigma, national professional chemical fraternity, at a smoker held at the Triangle fraternity house last Thursday evening. A ping pong tournament, pool, and cards were among the diversions in which the guests and the thirteen members spent an enjoyable evening. As a finale, refreshments were served and were followed by a few words by J. A. Haase, master alchemist.

Frosh Plan Armistice With Sophs As Lull Comes on 'Green Cap' Front

The officers of the freshman and sophomore classes, for the first time in the history of Armour, have drawn up a tentative set of rules governing the green cap situation. This was disclosed at the meeting of the freshman class held Friday, October 30, in the assembly hall. It is hoped that these rules will help to relieve the natural animosity between the classes.

Draw Up Rules
The rules of the tentative agreement are: (1) The freshmen are willing to wear their green hats. (2) The freshmen are to have an enforcement committee which will endeavor to make unwilling members of the class of '40 wear green hats. (3) The freshmen agree not to aid those of the class who absolutely refuse to uphold the tradition of green caps. (4) Sophomores have the absolute right to depants a freshman when he has left his green hat at home. (5) Sophomores according to the agreement are to request a bare headed freshman to don his green cap before any depantsing takes place. (If a freshman refuses to put on his green cap, or has none at all, the pants come off.) (6) It was

VISITORS



(By E. P. Mehringer)
Dr. Shinzo Koizumi, Dean H. T. Heald, and Mr. Toshio Yamamoto.

Tokio Educators Inspect Armour

Probably the best organized alumni in the world are those of Japanese colleges—only it's baseball instead of football that the old grads follow. According to Dr. Shinzo Koizumi and his secretary, Mr. Toshio Yamamoto, visiting Armour a week ago Monday, the alumni follow the university baseball teams with more enthusiasm than the American public shows in baseball. Dr. Shinzo, who is president of Keiogiuko University of Tokio also said that while technical, education, and laboratory work is not as far advanced in Japan as in this country, his own university is considering the founding of an engineering school.

Having visited the Harvard Tercentennial during the summer, the Japanese educators are now returning home, making a number of stops at prominent schools on the way. Asked how the equipment and facilities of Armour ranked with those of Massachusetts Institute of Technology, the visitors said that what they remembered best about M.I.T. was its alumni organization and personnel work; at Armour they were especially interested in the laboratories of the mechanical engineering department, tests on strength of materials being made to show the use of the powerful materials testing machines. They also visited the other laboratories and shops of the school.

Japanese industry as a competitor with that of America was declared by the doctor to be a strongly overdrawn picture. He stated that an amicable agreement could surely be made for the future.

Seniors Will Hold Dance on Nov. 27

The senior class will hold the first of the class dances on Friday, November 27, the day after Thanksgiving, according to Art Dreis, social chairman. Either the Gold Room of the Congress Hotel or the Main Ballroom of the Medinah Michigan Avenue Club will be the location.

Bids for the affair will be sold at \$1.50 and soon will be circulated about school. The dance will be informal and will not be a table dance. Negotiations are being made now to secure a well-known and popular orchestra for the affair.

Art Dreis, who was appointed social chairman by the Senior Commission, has a committee made up of members of the commission. The committee represents all departments and was introduced last year by the class of '37.

Two senior commission meetings were held to make plans for the dance. L. Janas has been elected commissioner from the mechanical department to replace a commissioner who had become ineligible.

Show Films of Steel Erection to W.S.E.

Motion pictures depicting the steps in the erection of the Empire State Building were shown last Friday morning at a meeting of the W.S.E. Pictures of steel members from rolling mill to fabrication plant, and then finally to erection were shown.

Of special interest was the size and complexity of the built up column sections. The steel work for the Empire State Building was completely erected in six months—a record time. After some progress had been made on the job, a rate of practically a story a day was established for erecting the steel framework.

Fifty-eight thousand tons of structural steel comprise the framework of the building. Towering 1250 feet in the air, this building is the world's tallest. Its equivalent height is 120 stories.

To make sure that the building would be the world's tallest, the builders erected a 200 foot observation tower which tops the building. Actually the building is 85 stories high and measures 1043 feet over the curb.

During intermission in showing the reels, P. L. G. Moore, president of the W.S.E., called for discussion on a society smoker. Plans were made to hold a Monte Carlo type of smoker some time before Christmas.

Unions Form Debate Subject for A. I. Ch. E.

Chemical engineers should definitely not unionize if the result of the A.I.Ch.E. debate on the subject last Friday is to be taken as any criterion. The decision rendered by Judges Harris, Schaad, and Van Atta was in favor of the negative side by the score of two votes to one. The proposition of the debate was, "Resolved, that Chemical Engineers Should Unionize," with affirmative taken by Frank Hackman and Paul Schultz, and the negative by Robert Clarke and Herman Bauermeister.

After the debate was concluded, the business of giving to the highest freshman chemical an award was brought up; this award was voted to be discontinued last year. A motion to the effect that the award be continued was made, and it was carried by the close vote of twenty to eighteen.

The next meeting of the A.I.Ch.E. will be held on Friday, November 13. Mr. Gerstein, an official of the city's water treatment department, will speak on the recent advances in water treatment. The meeting will probably be held in Science Hall.

J. A. Haase brought up the subject of the coming joint meeting between Armour's student branch of A.I.Ch.E. and the senior chapter. By this week all of the junior and senior chemicals will have received their assignments and the actual work for the joint meeting will be well under way.

SIXTEEN VIE FOR OFFICE IN JUNIOR CLASS ELECTION

Presidency Sought By Trio: Osri, O'Brien, and Chelgren

PICKED BY COMMITTEE

After the heated discussions of last week's meeting, the juniors will elect class officers this Thursday in the lobby of Main from 9:30 to 2 o'clock. In case of close voting, a run-off election will be held.

Candidates for president are W. J. Chelgren, W. P. O'Brien, and S. M. Osri. H. G. Downing, R. M. Faust, W. F. Schlax, and G. Thodos are running for vice-president. Candidates for secretary are R. F. Beardsley, J. Dunne, and W. J. Laize; for treasurer, C. K. Nauman, H. F. Perlet, and I. Seidenberg. C. W. Dunbar, S. E. Healy, and R. E. Worcester are seeking the position of social chairman.

Committee Picks Slates
The petition method was thrown overboard in the nomination of officers. An election committee, consisting of C. L. Basile, C. W. Dunbar, W. R. Marshall, G. A. Palka, and I. Seidenberg was appointed at last week's meeting. Candidates for the offices filed formal intentions of running with the committee and the committee selected the candidates from those applying based upon personal qualifications.

Manifests Interest
The unusually large number of candidates indicates that the juniors are definitely taking more interest in class government. Twenty-two candidates filed notice of desire to be placed on the ballot list. All applications for the offices of president, vice-president, and social chairman were accepted. Of the remaining twelve applicants, six were selected to run for the positions of secretary and treasurer.

Concerts to Be Held by the Musical Clubs

The Orchestra and Glee club are busy rehearsing for three concerts, the first to be on Armistice Day, November 11, and the others to be on December 11 and 18. Friday, evening, December 18, the members of the musical clubs will gather with their girl friends at the Evanston Country Club for a Christmas party. The concert will be given in the early evening and dancing will follow.

Director O. Gordon Erickson is holding the musicians in suspense in regard to the engagement of December 11. There is much speculation about the possibility of having a concert and dance at either the Chicago Normal College on the south side or the National College of Education in Evanston.

Dr. T. Poulter Shows Pressure Equipment

Methods used in the research laboratory for testing strength of materials for testing strength of materials were presented at the A.S.M.E. meeting last Friday by Dr. T. C. Poulter, director of the Armour Research Foundation.

Equipment used in the experiments was used to demonstrate the method of testing and slides showing the various mechanisms were shown to the students. The equipment was all carefully constructed to withstand tremendous pressures reaching 300,000 atmospheres.

The materials tested included different types of metals and glass. Comparison of reactions at ordinary conditions and those at high pressure was emphasized. Of particular interest was the manner in which hydrogen penetrated thick metals at extremely high pressures. The testing of glass was studied very carefully and pictures of the manner in which the glass broke were shown.