



ARMOUR TRUSTEES FORMULATE PLANS FOR RESEARCH LAB

Industrial Companies to Cooperate With Test Work

PLAN GRADUATE STUDY

"The Research Foundation of Armour Institute of Technology" has been formed by the Board of Trustees of the Institute for the development of scientific investigation, and at a meeting on April 10, the Board of Directors of the newly organized foundation elected officers. They are W. E. Hotchkiss, president; C. W. Hills, Jr., vice president; R. B. Harper, treasurer; and H. H. Cooper, secretary. Other members of the original board are J. D. Cunningham, P. H. Davis, and A. L. Eustice.

The object of the foundation as given in the certificate of incorporation "... shall be to promote, encourage, maintain, and aid scientific investigation and research in affiliation with Armour Institute of Technology by the faculty, staff, alumni, and students ...". The corporation has been given full power to act and will be controlled by seven directors. C. P. Parker and H. Cooper are legal counselors for the organization.

The foundation will encourage graduate work at Armour in advanced engineering and will promote better cooperation between the Institute and industrial companies. Numerous projects are being considered by the foundation and seven industrial firms have indicated an interest in the work. Mr. Peabody, president of the Peabody Coal Company, has agreed to finance a research project on the uses and problems of Illinois and Indiana coal. Other activities under negotiation include testing of mechanical stokers, development of highway safety principles, and advanced work in metallurgy.

Dr. Hotchkiss said regarding the research foundation, "All this activity" (Continued on page 3)

Graduation Exercises to be at Mandel Hall

In an attempt to better the usual drab and often colorless graduation exercises, the present senior class has made arrangements which they hope will remedy this situation. Under the direction of H. P. Milleville, senior class representative, Mandel Hall at the University of Chicago has been secured to house the graduation ceremonies. As a further departure from the usual graduation routine, plans are under way to feature student talent, perhaps an octet composed of members of the Glee Club and a musical ensemble.

The attitude of the senior class is well defined by Milleville who said: "In my opinion past commencements have been too dead. Having Armour talent on the program will, I believe, change this. Since Mandel Hall will be used, its larger seating capacity will enable each student to receive perhaps five tickets. These and a few novel but not yet approved ideas will make for a better commencement."

From present indications 166 students will graduate. As in the past final decisions on arrangements are taken care of by President Hotchkiss, Dean Heald, and Professor Nash.

Electrical Honorary Initiates Five Men

After their formal initiation to the Armour chapter of Eta Kappa Nu, H. R. Dollenmaier, E. H. Brink, A. Goldsmith, W. B. Graupner, and R. G. Liebmann were the guests of honor at a banquet held at the Lawson Y. M. C. A. on Wednesday evening, April 8. After dinner, the chapter was entertained by several reels of motion pictures depicting the different phases of manufacturing engaged in by the General Electric Co.

Senior Dance to Be Closed Affair

The only closed class dance held at Armour in recent years will take place next Friday, April 21, 1936, when the seniors will meet at the Knickerbocker hotel for their last regular social event of the year. Emil Flindt and his orchestra, favorites of the senior class will supply the music.

Some eighty couples who expect to attend will start dancing at 9:30 and continue 'til midnight when supper will be served. This dance is strictly for seniors, and students of other classes will not be admitted. The social committee makes this announcement in order to avoid the necessity of embarrassing any lower classman who might like to go.

Seniors are requested to accompany all reservations with cash. Departmental representatives, who comprise the social committee, are now handling bids for those who pledged attendance and any other senior who expects to attend.

Hendricks Resigns as Head of Players Group

Professor Walter Hendricks, head of the English department at Armour, last week turned over the sponsorship of the Armour Players to Mr. W. B. Fulghum, instructor of English. Professor Hendricks organized and has sponsored the drama group for the past six years, but recent additional departmental work and his editorship of the *Armour Engineer and Alumnus* has prevented his active participation in the club.

"I have been very reluctant to give up my active connection with the Armour Players," he said. "My relations with the club for the past years have been very cordial and pleasurable with the many deep friendships formed. I'll continue to have a very great interest in it and will always be glad to offer any assistance I can in the future."

Prof. Hendricks was very active in play groups while at Amherst College and studied drama under Stark Young, now dramatic critic of the New York Times and author of the recent best seller "So Red the Rose." After coming to Armour he organized the Armour Players and has directed their plays.

Among the many plays he directed were *Hyacinth Halvey*, *A Night in an Inn*, *Rising of the Moon*, *The Romanesque*, *Silent Alarm*, and *The Bells of St. Stephen*. Several years ago he adapted and produced a medieval miracle play for Christmas under the title *The Shepherds Play*. Last spring the players under Prof. Hendricks produced a full length drama, *The Red Robe*, at an evening performance.

(Continued on page 3)

Dr. M. Rogers Talks at A.I.Ch.E. Meeting

In his talk before the A. I. Ch. E. last Friday morning, Dr. M. Rogers took hold of the chemical equipment that is already in use rather than design and build new equipment which would also become obsolete within a short space of time. Dr. Rogers discussed the development of the petroleum industry since its beginning in 1820. Since that time the industry has seen the passing in importance of kerosene as an illuminant and the rise in importance of gasoline as a motor fuel. The development of this industry was brought about by the application of chemical engineering technique to the problem of distillation.

Dr. Marvin Rogers is a chemical engineer with the Standard Oil Company, is a member of the honorary chemical engineering fraternity, Phi Lambda Upsilon, is a member of the honorary research society, Sigma Xi, and is president of all the national inter-honorary fraternities. The speaker was secured for the meeting by J. A. Haase, chairman of the junior program committee.

Pledge Eight Men to Sphinx Honor Society

Sphinx, honorary literary society, pledged one senior and seven juniors at a meeting held last night in the Campus Club rooms. The senior pledge is R. Mansfield, E.E. The juniors are: H. O. Bauermeister, Ch. E.; W. A. Chapin, E.E.; C. O. Forsberg, Ch.E.; N. Gerber, Sc.; J. M. Kubert, E.E.; S. Rabinowitz, C. E.; and E. J. Simek, F.P.E.

Sphinx was organized to promote the three recognized Armour publications and to honor the men who have served faithfully in their production. The only men considered for membership are senior and junior students who have executive positions on any of the publications and who have been staff members for at least two years.

Six Are Honored by Phi Lambda Upsilon

Last Thursday evening Phi Lambda Upsilon, honorary chemical fraternity, pledged six men. Those pledged were E. Freireich, E. A. Krefit, and R. C. Peterson, senior chemicals and F. B. Harman, E. A. Heike, and S. H. Kaplan, junior chemicals.

Previous to the pledging, the candidates passed two examinations, a comprehensive written test and a laboratory examination. On completion of the requirements set by the fraternity, the men were presented with ribbons in the chemical colors of litmus red and blue. Under the direction of pledge captain N. Balai, a number of tasks are being planned.

Solid Color Letters Adopted for Future

In an effort to standardize the type of letters given as athletic awards, the governing board of the Armour Tech Student Association recently passed a proposal for a solid one-color letter to replace the present three-color emblem. Letters will be solid red or gold, according to the individual's choice for a color scheme, in combination with the sweater. Captains of the respective teams will receive black letters. The letters to be awarded next month for basketball, wrestling, and swimming, will be the first of the new type to appear.

The proposal for a change was brought up in Honor 'A' some time ago. Members of the organization had petitions signed by present lettermen and presented these to the board of athletic control of the A. T. S. A. in order to effect the change.

Many Trips Planned by Civil Department

One inspection trip a week, is the program set forth by the civil engineering department for the rest of the semester. Among the future trips is a visit to the Calumet Sewage Treatment Plant, which will be one of the few of the sewage treatment plants visited. A trip may be made to the intake crib on the north shore of Lake Michigan.

During May some of the city river bridges will be visited, and if possible, an attempt will be made to see a bridge under construction.

Professor Vagtborg, in a few weeks will take the senior civil engineering students on a tour through several sewage treatment plants in the surrounding cities.

Last Thursday, the Junior and Sophomore civils visited the Structural Steel Fabricating Plant of McClintic-Marshall Corporation, which is a subsidiary of the Bethlehem Steel Company. The visit consisted of a tour through the templet department, the machine shop, the cutting and riveting shop, and the drafting room. Considerable time was spent in the drafting room. The visitors kept the draftsmen busy answering questions and pointing out details of some bridge plans. The automatic electric eraser employed in the drafting room attracted considerable attention. Professors Penn and Spears accompanied the group.

Plan New Fraternity Junior Week Event

A fraternity open house to which about three hundred students—non fraternity members—will be invited, was announced by the interfraternity council after their meeting last week. There will be dancing from nine to one o'clock on Tuesday night, May 12, at each of the houses. Admission will be by pass card and the council announces that stags will not be welcome.

The purpose is to publicize the fraternities for the student non-members and it is thought by those who are backing this affair that it will add much to the sociability of Junior Week.

A registration booth will be maintained in the main building by the interfraternity council. This booth will disseminate information to aid alumni, guests and visiting high school students as well as members of the regular student body.

Other business of the meeting consisted of drawing up the schedules for interfraternity softball. This was in charge of R. B. Ruppert, director of intramural athletics.

Select Bal Tabarin for Formal Dance

Bal Tabarin, famous night club ballroom of the Sherman Hotel, is the selection of the Junior Spring Formal committee as the site of their largest class event, to be held Friday night, May 15, as a grand climax to Junior Week. O. A. Tamei, chairman of the committee, announced that Emil Flindt's rhythm-band has been secured for the dance.

Serve at Midnight

Bids for this supper-dance which will be placed on sale either today or tomorrow, have been priced at \$4.00, and will be sold on the "first come, first serve" basis, since table reservations will be made accordingly. Those procuring early bids will have access to the choice tables on the edge of the ballroom floor. The committee requests students of all classes to make their reservations without delay; after Wednesday, May 13, no more reservations will be accepted, nor bids sold.

The evening's program will consist of continuous dancing from 10 until 2 and probably up to 3 a. m., if there is popular demand. At midnight, supper will be served in customary Sherman Hotel style.

Portray Crest of A. I. T.

One end of the large ballroom will portray the crest of Armour Institute in various lighting arrangements, and Chicago's skyline and lake front will be projected on the walls.

According to J. C. Stern, civil representative to the junior commission, those students who intend to rent dress suits may obtain a card from him. With a card, the price for the suit, including a suit, shirt, tie, links, and studs, is \$25.00. No deposit is required at the time of fitting, and an early contact assures a better suit and less confusion right before the Formal. Stern may be reached in the civil drafting room in Mission building any Wednesday, Thursday, or Friday from two to five.

Interhonorary Dance to Be Held On May 1

Final arrangements for the annual interhonorary dance were announced last week by the interhonorary council, of which John O. Larson is president. The Venetian room of the Southmoor Hotel will be the site of the table dance on Friday night, May 1, at 9:30.

Members of all honorary fraternities and honor societies at Armour are eligible to attend. The Southmoor Hotel is located at Sixty-Seventh Street and Stony Island Avenue.

Ed Kraft and his Melody Masters, a well known audition orchestra for the Columbia Broadcasting System will supply the music. This orchestra has been well received and approved by members of the musical clubs at their dances.

Armour Is Host to A.S.M.E. Convention

Armour's student branch of the A. S. M. E. was host yesterday and today to the fourth annual Midwest Student Branch Conference at the Allerton Hotel. Seventeen colleges and universities are participating.

Yesterday's session was opened with a civic welcome. Papers were presented in the morning by student representatives of Illinois, Michigan, Minnesota, Northwestern, Purdue, Marquette, and Wisconsin universities, and Lewis Institute. In the afternoon, inspection trips were made to the Midwest Power Show preview and the International Harvester tractor works.

A. M. Lane, president of the Armour student branch, was chairman of the banquet last night in the Italian Room of the Allerton. Mr. W. L. Abbott, retired chief engineer of the Commonwealth Edison Company gave a talk titled "If I Were An Engineer." "Fundamentals" was the subject discussed by W. A. Hanley, director of engineering at the Eli Lilly company.

A paper titled "Kinematics Analysis of a Proposed Automatic Automobile Transmission" was to be presented this morning by A. M. Lane who represented Armour Tech. Other papers will be presented by representatives of Rose Polytechnic Institute, University of Detroit, State University of Iowa, Iowa State College, Michigan College of Mines and Technology, and Notre Dame.

Professor Roesch, F. D. Cotterman, A. H. Rice, and S. M. Miner from Armour are members of the committee on arrangements.

A.I.E.E. Hears G. Wolff on Electric Control

"Electric Control in Industry" was the subject of Mr. G. I. Wolff of the Cutler Hammer Company who spoke before the A.I.E.E. last Friday morning.

Mr. Wolff cited one problem, of starting a large printing press. A small motor is used with a slow speed but large starting torque to accelerate the press to a certain speed, at which time the small motor is cut out and the large one drives the press until it is stopped.

Many problems presented themselves as to stopping some types of machinery. On the newer types of machinery, a "plugging switch" is used. When the current is shut off for the motor, a contact switch changes the direction of the motor; at the instant the motor is to stop, the plugging switch releases and the current is automatically cut out.

Armour Comptroller Leaves School Staff

Mr. Wallace M. Flower, comptroller, is no longer connected with Armour Institute. He left last Wednesday for a vacation in the East after which he will have a position with the McCormick-Blair investment organization. A new comptroller has not been appointed as yet.

Mr. Flower was made a member of the Institute staff last May to assist in the business details of the project for the development of plans for moving Armour Tech to the north side.

Chi Epsilon Pledges Six to Membership

Chi Epsilon, honorary civil engineering fraternity, pledged six members of the junior and senior classes in civil engineering on Tuesday evening, April 7. The pledges are: R. B. Richards, and N. Virgilio, seniors; P. L. G. Moore, S. Rabinowitz, H. Ross, and J. G. Stern, juniors.

The pledging was held in the rooms of the Campus Club. Pledges are to send out a news letter to the alumni members, and will also redecorate the Chi Epsilon room in Chapin Hall. The initiation of the pledges is to be held on Wednesday, April 29.

TECHAWKS OUT FOR FIRST WIN AGAINST WILDCATS TODAY

Home Team Confident After Intensive Practice

PURPLE STRONG

Out for their first victory of the season, Armour Tech's baseball team will meet Northwestern at Ogden field today in this year's first home game. Rejuvenated by intensive batting and fielding practice, and working with new confidence behind their revived pitchers, the team is confident of administering a defeat to the strong Wildcat squad.

Although the tally to date is a bit one-sided, the Krafftmen have proven their mettle in the ninth inning heartbreaker against Chicago last week, and the squad has hopes of picking-up for the remaining games. So far, a mediocre batting average has been the Tech bugbear, but the workouts of last week have done much to correct this deficiency.

Kruse Shows Up Well

The first game with the Purple served to show up a new star on the pitching staff; Kruse. The freshman, finished off the last four innings by allowing only one hit and striking out the side in the seventh. Because of the way Kruse held the Wildcats at bay, he will probably take the mound against them today.

Purple Has Man Power

Northwestern is bringing a strong team, composed of fifteen to twenty infielders and outfielders and a pitching staff of ten, four of whom are first string hurlers. With such a display of man power, the North Siders have adopted an "in-the-bag" attitude, but the pep displayed by the local lads in practice is an equalizing factor.

It'll be a contest worth seeing. Don't fail to come out this afternoon and cheer the Techawks to victory!

W.S.E. Plans Smoker at Lawson Y.M.C.A.

Final arrangements for the W. S. E. smoker to be held May 9, at the Lawson Y. M. C. A., were announced last Friday. The entertainment planned for the evening by the committee is to consist of movies, card playing, and swimming and will be supplemented by refreshments. The history of electricity and its earliest inventions are to be featured in several reels loaned by the Westinghouse Electric Company. In addition, two reels of comedy have been secured by the committee headed by H. E. Ross.

Pamphlets on "Concrete Road Design" were given to all those present at last Friday's meeting of the W. S. E. when Mr. E. C. Wenger discussed the problems met in this field, working out typical problems to illustrate the methods used in concrete design. One of the points brought out in his lecture was that an in-

(Continued on page 3)

Tau Beta Pi Holds Initiation of Ten

Ten men were initiated into Tau Beta Pi, national honorary engineering fraternity, last Wednesday evening. Three seniors, W. Alt, M. E.; E. J. Kirsch, E. E.; and A. H. Rice, M. E., were among those honored. The juniors were: H. O. Bauermeister, Ch. E.; W. A. Chapin, E. E.; N. Gerber, Sci.; E. A. Heike, Ch. E.; P. M. Martin, E. E.; S. M. Miner, M. E.; and L. E. Zwissler, C. E. Among those present at the ceremonies in the Faculty Club at 5:30 p. m. were several faculty members as well as Prof. Leigh, formerly an Armour instructor. After the ceremonies, a banquet was held in the faculty grill, and the group went to the Erlanger Theater, where they saw "The Great Ziegfeld."