



## MEETING IN NEWS OFFICE ATTENDED BY BOTH STAFFS

### Plan Class in Journalism to Be Held Every Friday

#### NEWS TIPS WANTED

The fine points of the art of journalism were featured in talks to the cub reporters by the Tech News editors at a meeting of the editorial and business staffs, held Friday morning, February 13. The meeting was called to order and conducted by Editor-in-chief Wilbur H. Rudolf, in the News offices.

#### Plea for Early Copy

After the staff members had filled out program cards, Editor-Chairman Rudolf gave a short talk, with a plea for early copy as its theme. He also stated that he hoped the meeting would bring all members of the staff into closer contact and establish new bonds of friendship.

Other talks followed by assistant editors. The new reporters were advised to make the acquaintance of as many members of the faculty as possible, so their daily contacts with "news producers" would be increased. The aspiring reporters were ordered to refer to numerous books on journalism in the Armour Tech library.

#### Journalism Class Formed

After the meeting had been adjourned, news editor Edward Carlton gave an informal talk on journalistic composition and the value of the lead sentence. He also announced the formation of a class in journalism for reporters, and urged the new men to attend it as frequently as possible.

Should the present schedule of extra-curricular activities materialize the journalism class will meet every Friday morning at 10:30.

## Senior Mechanicals At Power Conference

Armour was well represented at the Fifth Midwest Power Engineering Conference held at the Stevens Hotel last week. Members of the senior mechanical class attended and served in the capacity of ushers and registrars. In connection with the Conference a Power Exposition was held at the Coliseum from February 10-14, where C. L. Carlson, '30, R. M. Spencer, '30, M. Vander Velde, '30, and F. B. Attwood, '31, were in charge of the Power Regulation Exhibit.

## Gebhardt Speaks To Mechanical Engineers

Professor G. F. Gebhardt, head of the department of mechanical engineering, delivered a talk on the subject "The Effect of Fineness on Boiler Efficiency," before the National Fuels meeting of the American Society of Mechanical Engineers, Thursday, February 12. This meeting was held in conjunction with the Fifth Midwest Power Engineering Conference which was held throughout last week at the Stevens Hotel.

The senior students of the mechanical engineering department were present at the conference as guests, ushers, and registrars. In order to assist some of the lecturers at the sessions, several operated motion picture machines used in illustrating the lectures.

#### SENIORS TO CHECK CREDITS

Those members of the senior class who expect to graduate this June are urged to call at the office of the Deans for the purpose of checking credits. Mr. Kelly will be ready to begin this work Tuesday, February 17.

## Power Plant Of Hotel Inspected

The junior class of electrical engineering students made a trip, with Professor D. P. Moreton, through the power plant of the Stevens Hotel last Wednesday, February 11.

The first stop was in the boiler room, fifty-four feet below the street level. The seven boilers, the largest of which are 700 horsepower, feed the Corliss engines which drive the five dynamos. The exhaust steam from the engines is used to heat the building by being led to the top of the building and fed down through the radiators.

#### Use Balancer Set

The three largest dynamos are 750 kilowatt, 230 volt machines, and rotate at 100 revolutions per minute. These machines are operated by a remote control system from a control panel in the center of the room. Illumination for the building is furnished by a three-wire 230 volt system, employing two balancer sets. At the particular time it was observed the neutral line had a current of but 25 amperes with a total load of over 4000 amperes.

#### Elevator System Intricate

The elevator motor room was the next point of interest. In this room, directly over the elevator shafts, are the fifteen motors, controlled by the Ward-Leonard system, which rotate at a maximum of 64 revolutions per minute. The cables which lift the elevators pass around the drums mounted directly on the armature shafts. The motors are not excited directly by the elevator operator's switch but are supplied by separate generators which in turn operate by relays activated by the operator's switch.

The electric power generating plant was built at a cost of \$235,000, but had paid for itself at the end of two years. The electrical energy consumption of the hotel is equivalent to that of 14,000 average homes, and would cost about \$40 per room per year if energy were supplied by the public service company.

#### Vacuum Cleaning Employed

Refrigeration is provided by a special absorption system plant, operated by exhaust steam from the engines, which has a capacity of 100 tons of ice per day. There are blowers for circulating clean, cold and hot air; the use of clean air being an economy measure. Vacuum cleaning is employed and provided for by vacuum lines throughout the building and operated by special pumps in the plant.

One feature about the hotel is the economy of the original building construction and the efficiency of operation. The power plant is not built for demonstration purposes but for service.

## Professor Libby to Attend Conference

Professor E. S. Libby of the department of refrigerating engineering at Armour will attend a meeting of the National Association of Practical Refrigerating Engineers, in the capacity of chairman of the educational board of the association. Sessions of the meeting will be held February 20 and 21 at the University of Illinois at Urbana.

The conference is open to all who are interested in any of the phases of refrigerating such as ice and ice cream manufacturing, cold storage, and dairying. Talks will be made by leading men of the profession and an inspection trip through many of the university laboratories will be made.

#### CYCLE PICTURE

All seniors must have a sitting for their picture before February 20, 1931, or their name will appear in the Cycle without a picture.

#### CALL FOR PROGRAM CARDS

The office of the Deans urges that all students at the Institute place their program cards on file in the office as soon as possible. It is often necessary to call students in case of emergency and this is impossible if there is no record of his whereabouts. Blank program cards may be obtained at the office at any time.

## INJURIES FLOOR TECH SLUGGERS; THREE MEN LOST

Old man injury is running amuck in the camp of the Armour Tech leather pushers and is lessening the possibilities of victory for Coach Weisman's squad. The clash with Culver Academy being only about a week away, Coach Weisman is worried because of the ragged condition of his fighters. An injury to Capt. Ustryski's arm will prevent him from offering his best, while Rush injured his hand in machine shop and will be unable to continue active training in preparation for the Culver match which is always the stiffest on the schedule. Kruchten, Armour's representative in the light-weight division, has been forced out of school for one semester, while Melevsky, another light-weight, is kept out because of a nose injury.

#### Culver Squad Strong

Despite its crippled condition, the team is confident that it will force the strong Culver squad to the limit. The Culver mentors boast the strongest squad in years with ample substitutions in every weight. At this institution every member of the boxing team must devote at least two hours to training every day. Their diet is supervised at a training table, thus insuring a perfect physical condition.

#### Pugs Travel with Swimmers

In the last encounter of the two squads, Armour's representatives carried off two out of ten decisions. The squad will make the trip in conjunction with the swimming team, leaving Chicago, Saturday morning in a chartered bus.

The following are slated to make the trip: Coach Weisman, Manager Cannon, Capt. Ustryski, Montesano, Sandstrom, Rush, Campioni, Heckmiller, Hauser and Melevsky. The squad is looking forward to the fine reception, given them on these annual trips.

## Postponed Meeting To Be Held Friday

The joint meeting of the A. I. Ch. E. and A. S. M. E., which was to be held last Friday morning, has been postponed until 10:30, Friday, February 20. The meeting will be held in B Mission, in accordance with the original plans.

The postponement of the meeting was necessitated by the delay in obtaining the films which were to be the feature of the program.

The films were in use at the Fuel Exposition, which ended at the Stevens Hotel last Saturday. They are of a very interesting nature, and promise to be worth while for those who attend.

## Armour Glee Club Will Meet Thursday

The first meeting of the Armour Tech Glee Club for the semester of 1931, will be held this Thursday, February 19, in the Assembly Hall at 5:00 p. m. Freshmen and new men are invited to apply for membership to the club.

Members of the Club who did not receive their semester grades may obtain them at the office of the Deans. Grades did not appear on the reports due to the illness of Professor Leigh at the close of the last semester.

## Talk On Lincoln Thrills Students

The Armour student body assembling on last Wednesday morning at 10:30 in the Mission for the first time since the Christmas concert, was afforded the opportunity of hearing Dr. Frederick Shannon, pastor of Central church of Chicago, deliver a noteworthy address called "Abraham Lincoln of the Waters."

The assembly, Armour's tribute to the memory of this great man was opened by President Raymond who introduced the speaker to the students.

#### Makes Striking Comparison

Dr. Shannon who has had occasion to speak to Armour students many times previous to this, compared the bodies of water which formed such an important part of Lincoln's natural environment, to his (Lincoln's) life. The small creek near Lincoln's cabin home typified poverty and simplicity; the Ohio river into which it flows was compared with the beauty of Lincoln's soul; the Mississippi, the "tears and laughter" which so often entered into his life; the Gulf of Mexico is the gulf of humanity which Lincoln understood so thoroughly; and the Atlantic typifies both the supreme power of this man as a leader, and his ultimate acclamation and recognition as a great man.

#### Tells Lincoln's Ideals

Dr. Shannon also told many incidents in the life of Lincoln, explaining his ideals, struggles, perseverance, and final glory.

Before this main talk, Professor John Schommer, who is president of the athletic association, made an appeal for more student support at the basketball games. Any student wishing to attend the Arc-sur-Augustana game, would be excused from his three o'clock class on the date of the game. This showed that the faculty was highly in favor of more student support at the games.

Musical entertainment, furnished by the Armour concert orchestra, added to the success and enjoyment of the program.

#### AVIATION COMMITTEE MEETS

Professor Wells, of the Civil department, attended a meeting of the Aviation committee, of the Chicago Association of Commerce last week.

The meeting was the first assemblage of the committee since the election of the officers of the association.

## Calendar

- Tuesday, Feb. 17
  - 4:00 P. M.—Basketball—"Y" College at Armour.
  - 7:30 P. M.—Swimming—Crane vs. Armour at the University of Chicago Swimming Pool.
- Thursday, Feb. 19
  - 4:00 P. M.—Basketball—Chicago Tech at Chicago Tech.
  - 5:00 P. M.—First Rehearsal of the Glee Club for this semester.
- Friday, Feb. 20
  - 10:30 A. M.—Joint meeting of the A. I. Ch. E. and the A. S. M. E.
  - 5:00 P. M.—Deadline for all material that is to be put into the Cycle. Deadline for all moneys that are to be paid to the Cycle.
  - 7:30 P. M.—Meeting of the American Chemical Society at the City Club, 315 Plymouth Court.
- Saturday, Feb. 21
  - 2:30 P. M.—Track Meet—Loyola vs. Armour at the University of Chicago, Bartlett Gymnasium.
  - 8:00 P. M.—Armour vs. Culver at Culver.

## INDOOR TRACK TEAM MEETS LOYOLA AT BARTLETT GYM IN INITIAL DUAL CONTEST

### Opponents Out To Avenge Defeat Last Year At Hands of Tech Runners

#### STUDENTS URGED TO ATTEND

## Rifle Team Wins Telegraph Match

Shooting against an unseen foe the Armour sharpshooters defeated Stuyvesant New York by a score of 1876 to 1793 last week in a telegraphic match. The Tech riflemen are now in the midst of a very busy season. At present the members are in the third week of a six week meet sponsored by the Chicago Tribune. From all indications the Armour squad has a good chance to capture the trophy. The team winning this meet will be the champion of Illinois and the high point man the individual champion of the state. Only members of the Illinois Rifle Association are eligible.

Next week the Armour team will engage in the second meet with the M. I. T. squad and then match their ability with the University of Illinois.

There will be an important meeting of the club next week. The time and place will be posted on the bulletin board soon.

## Elective Math Course Given this Semester

An elective course in advanced mathematics will be offered by Professor Teach during this semester. It will probably cover the theory and solution of differential equations.

It is being planned for Tuesdays and Thursdays at 1:10 o'clock. All those interested are requested to report for class today. The only pre-requisite is credit in Calculus II.

## A. I. E. E. To Hear Talk on Asbestos

The application of asbestos in the electrical engineering field will be covered by a speaker from the Raybestos Corporation at the bi-weekly meeting of the student branch of the A. I. E. E., to be held in Room D, Mission, at 10:30 o'clock Friday. Asbestos is especially valuable because of its heat resisting properties and is useful in electrical work where other materials used as insulation would deteriorate rapidly due to excessive temperatures.

## Freshmen Will Hold Smoker Next Month

The Freshmen class will hold a smoker at eight o'clock on Friday, March 6 at the rooms of the Western Society of Engineers, twelfth floor, 205 West Wacker Drive. Prof. Schommer will probably talk in his usual interesting manner. According to L. A. Callen, chairman social committee, the freshmen class has failed to show much school spirit so far and here is their chance to show how much they have. Refreshments will be served and everybody is urged to participate. Mr. Callen requests freshman students who can play an instrument to report to him or B. Peterson. A further announcement will be made in the next issue of the News.

The Truss Club announces the initiation of A. A. Koch, C.E., '32.

The 1931 indoor track team will engage in its first dual meet of the season next Saturday, with Loyola, in Bartlett Gymnasium at 2:30 P.M. This meet will test the strength of Tech runners, for Loyola has a very strong team this year. Although the University of Chicago has defeated them last month, they will attempt to avenge last year's 50½-35½ defeat by Armour's Championship team.

#### Tech Well Represented

The men representing Armour will probably be: A. H. Jens and A. H. Helmick, 50 yard dash; Captain H. L. Fox, K. Hirsch, and Helmick, 440 yard dash; G. A. Nelson, Iverson and Sorenson, 880 yard run; Captain F. M. James and Sademan, one mile and two mile runs; G. A. Nelson and C. H. Fox, 50 yard low hurdles; A. W. Oberbeck, 50 yard high hurdles; C. J. Jens and W. Miran, shot put; G. A. Nelson and H. Setterberg, high jump.

#### New Men to Compete

The following new men will also compete: G. J. Stockmann, M. Venema, O. T. Barnett, S. T. Leavitt, J. J. Gura, and W. Holland. Any other new men wishing to run this year should report to coach A. A. Stagg, Jr., this week at Bartlett Gym. Hurdles and pole vaulters are especially needed.

Points will be scored as follows: first place, five points; second place, three points; and third place, one point. The winning relay team scores five points.

#### Rooters Needed

All of the students are urged to be present at this meet to cheer the team on to another championship.

The following is the final indoor schedule for the 1931 season.

#### Indoor Schedule

- Saturday, February 21—Loyola at Bartlett Gymnasium.
- Saturday, March 14—Illinois Relays at Champaign.
- Tuesday, March 17—Banker's Meet at Regiment Armory; 53rd St. and Cottage Grove Ave.
- Saturday, March 21—Third Annual Armour Indoor Invitation Meet at Bartlett Gymnasium.
- Friday, March 27—32nd Annual Central A. A. U. Championship at Oak Park High School Gym.

#### Tentative Outdoor Schedule

- Saturday, April 4—Loyola at Loyola.
- Saturday, April 18—Crane at Ogden Field.
- Saturday, April 25—Drake Relays at Des Moines, Iowa.
- Tuesday, April 28—"Y" College at "Y".
- Saturday, May 2—Second Annual Armour Outdoor Invitation Meet at Stagg Field.
- Saturday, May 16—Wisconsin State Teachers' College at Milwaukee.

## New System of News Distribution to Arx

Copies of the Armour Tech News for the freshmen and sophomore architectural students will be delivered at the Art Institute for distribution. The junior and senior members of the department may get their copies of the News on the first floor of the main building on the campus.

Heretofore the News was mailed to the homes of the individuals. The new plan will effect a saving in expense and facilitate distribution.