



## FINAL EXAMS TO START SATURDAY; FINISH TUESDAY

### Schedule Conflicts Must Be Reported to Office

#### TWO HOURS LONG

The final examinations for the first semester 1930-1931 begin Saturday at 8:30 o'clock. The usual procedure will be followed this year. Each examination will be two hours in length, starting at 8:30, 10:30, 1:10 and 3:10, thus dividing the day into four two hour periods.

The office has done its best to see that there are no conflicting examinations. In case a student finds that he has two examinations scheduled for the same period he should report that fact to the Dean's office at once.

#### Monday Hard Day

Examinations will be written in the Gymnasium, Room D Mission, 5th floor drafting room, Electrical Lecture Room, Room A Machinery Hall, Room C Mission, Room B Mission, and the Drafting Room in the Mission Building. There are no examinations scheduled for Saturday afternoon; nor are there any for the three to five o'clock period on Tuesday. Monday has the heaviest schedule of examinations, having a complete list from 8:30 to 5:00.

The complete schedule will be found on page 3.

## Sophomore Class Dance Doubtful

At the sophomore class meeting last Monday, Jan. 19, Dean Palmer presented statistics, comparing the financial status of the present sophomores to that of the other classes during the last few years. The report showed that the class has less than seventy dollars in its treasury.

This may result in a repetition of the ill fate of the senior class, for the office will not guarantee the expenses of a dance. The money will have to be in the hands of the social committee, before any definite arrangements may be made.

#### Advance Payment Necessary

It will be possible to have a dance only if enough of the sophomores, and other students, will be willing to pay in advance.

The class is to hold another meeting in the near future, and it is planned to find out how many would agree to advance the usual cost of two dollars and a half. It will depend, therefore, on the spirit and loyalty of the sophomores, themselves, as to whether there will be a sophomore dance this year.

## Prof. Roesch Speaks to S. A. E. Convention

"Temperature Effects Upon Anti-Knock Ratings" was the title of a paper presented at the meeting of the Society of Automotive Engineers by Professor Daniel Roesch of the Institute on Wednesday, January 21, at Detroit, Mich.

His research work was conducted in the Automotive Laboratory here on the campus and covers many interesting phases of this type of fuel.

Charles M. Larson, '13, representing the Sinclair Refining Company, spoke on the subject, "Clarifying Transmission and Rear Axle Lubricants."

C. E. Fitzsimmons, '24, of the Underwriters' Laboratories, and G. C. Olson, '29, who is managing editor of "Motive Power" magazine, were among those present at the Detroit caucus.

## General Electric Interviews Men

Three representatives of the General Electric Company visited the Institute last Tuesday, January 20, to interview the graduating seniors in electrical engineering.

Every year the General Electric has a number of positions available for graduating college men. These jobs are given on the basis of scholarship, personality and school activities. It was for the purpose of determining the individual merits of the senior electricals in the above three departments that they were interviewed last Tuesday.

#### Send Armour Grads

The task of interview was allotted to three "G. E." men and were: E. M. Pinkerton, '09; M. B. Tracy, '28, and L. J. Ericsson, '28. All of these men are graduates of Armour and now occupy positions of importance in the General Electric Company. Pinkerton is manager of the Minneapolis branch, Tracy is in the industrial service department at Schenectady, N. Y., and Ericsson is an industrial heating expert at Chicago.

#### Talk to Juniors

Before seeing the seniors, the three talked to the junior class in electricity at 11:30 A. M. at Professor Moreton's invitation. Pinkerton was introduced as being one of the members of Professor Moreton's first class at the Institute in 1909. He told of his experiences while at Armour and of the General Electric work at Minneapolis.

#### How to Succeed

Tracy was the next to speak. He told of four points, which if followed, would assure one of success in the General Electric Company. They are: 1, a willingness to work; 2, the ability to meet people; 3, a desire for study, and 4, a knowledge of knowing how to study. The knack of telling a person that he is wrong and still make him like it, it was said, an invaluable quality in the business world.

Ericsson, in his talk, emphasized the fairness of the company for whom he is working, the difference between school and commercial work, and his engineering experiences.

Later in the day the seniors in the department of electrical engineering were given an interview which involved the above principles.

## Paper to Refund All Extra Subscriptions

There are a few students who have subscribed to the News for the whole of the school year. These students, of course, will not be required to pay the additional dollar of the student activity fee to support the paper. A list of such students is being prepared by the editors of the News and will be presented to the deans. The exact course of procedure has not yet been decided upon; the student activity fee may be reduced one dollar for those who have subscribed for the coming semester, or their money may be refunded later.

## Rifle Team Has Postal Meet With Lane Tech

Shooting on their respective ranges last Friday, the rifle teams of Armour and Lane Tech, engaged in what is known as a "postal meet." Because the results of the Lane team are not available at the time of writing, the name of the winner cannot be announced here.

Judging from their past experience in this phase of ballistics and the number of bull's eyes scored Friday, it is believed the Armour team has a chance to win the meet.

This meet has given the Armour team an opportunity to see what they could accomplish in the coming Tribune meet, which they contemplate entering.

#### NO ISSUE NEXT WEEK

There will be no issue of the News on Tuesday, February third. The next issue will come out February tenth.

## CYCLE DEAD LINE SET FOR FEB. 20; MONEY MUST BE IN

A letter has been sent to all the fraternities, clubs, societies and organizations on the campus regarding the policies of the Cycle for the year 1930-31.

The dead line for all publication material, has been set for February 20, 1931. Material which is not paid for by the dead line will not be inserted.

A six page allowance will be made for each class at a \$75.00 rate. A class picture, list of class officers, snapshots of activities, gloss prints of officers and a write up will constitute the class section.

Social fraternities will be allowed four pages for which they will be charged \$35.00 with the requirement that all necessary cuts are to be furnished by the fraternities. The staff desires a group picture, membership list, chapter roll, date of founding and a writeup. Honoraries have been allotted two pages each. The charge is \$20.00.

All new cuts of keys, pledge buttons and so forth, if desired, must be made at the expense of the organization.

Two pages will be allowed engineering societies at a charge of \$20.00. The societies must furnish a group picture, list of officers and a writeup of the society.

The clubs are limited to one page at the rate of \$15.00. Each club is to provide a list of officers, a writeup of the club and a group picture.

It is urgent that the members of each organization familiarize themselves with the requirements in order that no delay in the publication of the Cycle will occur. Promptness in writing and returning the articles to the Cycle office is strenuously urged.

## Fire Protects Hear Railroad Man Speak

The last meeting of the Fire Protection Engineering Society was held Friday, January 23, at 9:30 o'clock. Mr. Howe, inspector in the fire protection department of the Chicago, Milwaukee and St. Paul Railroad, was the speaker.

The fire protection department in connection with a railroad is a comparatively new idea, the department being only one year old. However, the results shown by a year's labor justify the continuance and expansion of this branch of the railroad.

An interesting incident recited by Mr. Howe was the burning of a water tank. It is accidents like this and the burning of bridges, etc., which makes the department necessary. Bridges are being protected by dry pipe lines which have openings every one hundred feet, with fifty feet of hose connected to each opening.

Probably the most interesting fact, from the fire protects point of view, was the installation of two lengths of fifty foot, one and one-half inch hose on each locomotive. These hose are capable of putting out in four minutes, a fire of two boxcars which have been soaked with flammables and burned for ten minutes.

President Wilde closed the meeting with a plea for applications for the F. P. E. S. shingles.

#### TRUSS CLUB INITIATES

The Truss Club recently initiated the following men:

W. C. Hoffman, M. E., '33; B. W. Job, E. E., '33; T. P. Ladzinski, C. E., '32; C. Lane, E. E., '32; C. F. Lewis, M. E., '33, and A. Tibbits, M. E., '31. H. A. Raschke, E. E., '34, has been pledged.

## Link President of Tau Beta Pi

Tau Beta Pi, honorary engineering fraternity, elected C. T. Link, M.E., '31, president at a meeting held in their rooms last Wednesday.

Other officers elected at this time were:

Vice-Pres., R. M. Krause, '31.  
Cor. Secty., S. M. Lind, '32.  
Rec. Secty., I. B. Lehman, '31.  
Cataloger, J. O. Cavanagh, '32.  
Professor J. C. Peebles was re-elected to the office of treasurer of the chapter.

Other business transacted at the meeting was a short report on the National Convention by F. B. Attwood, '31, and the passing of an amendment to the constitution making officers hold office for a year rather than only one semester.

## A.S.M.E. Addressed by Standard Oil Chemist

Mr. L. H. Truett, a representative of the Standard Oil Company, addressed the members of the Armour Branch of the A.S.M.E., at a meeting which was held Thursday, January 22.

The speaker had been scheduled to give an illustrated lecture on the refining and other processes in the manufacture of gasoline, but due to the failure of the projector he was unable to deliver it. He did, however, make an extemporaneous talk on the economic conditions of the oil industry.

In the lecture he clearly stressed the fact that the one important need of the industry was a means of controlling overproduction. This factor is detrimental to the financial status of the several oil companies, and may be blamed as the cause of the periodical variations in gasoline and other fuel oil prices. The storage of fuel products exceeds by far the cost of production, and the price of the commodity is thus affected.

Mr. Truett plans to return this week and give the scheduled lecture, "The Making of Gasoline." The date will be announced later.

Those desiring to enroll in the evening school may do so Thursday and Friday evenings, January 29 and 30. Enrollment is made in the dean's office with Robert V. Perry, director of evening classes.

### Calendar

Wednesday, Jan. 28

9:30 A. M.—Registration for the second semester begins.

7:30 P. M.—Registration for Evening classes begins.

Thursday, Jan. 29

9:30 A. M.—Registration for the second semester continues.

7:30 P. M.—Registration for Evening classes continues.

Saturday, Jan. 31

8:30 A. M.—12:20 P. M.—Beginning of final examinations.

Monday, Feb. 2

8:30 A. M.—5:00 P. M.—Second day of final examinations.

Tuesday, Feb. 3

8:30 A. M.—3:00 P. M.—Last day of final examinations.

Saturday, Feb. 7

2:30 P. M.—Interclass track meet at Bartlett Gymnasium of the University of Chicago.

8:00 P. M.—Swimming: Armour vs. Illinois Wesleyan at Bloomington.

8:00 P. M.—Armour vs. Western State Normal in Basketball at Kalamazoo.

Monday, Feb. 9

8:30 A. M.—Regular registration day for the second semester.

8:00 P. M.—Armour vs. St. Mary's

## FOURTH ANNUAL INTERCLASS TRACK CHAMPIONSHIP TO BE DECIDED AT BARTLETT GYM

### Ribbons and Medals Awarded to Individual Winners of Each Event

#### FREE ADMISSION FOR ARMOUR STUDENTS

## Students Should Register Early

Letters were mailed last week to all students of the Institute, regarding the new registration plan to be adopted for the coming semester.

Student registration under this new system will take place on Wednesday, Thursday, and Friday, January 28th, 29th and 30th and on Monday and Tuesday, February 2nd and 3rd between 9:30 A. M. and 1:00 P. M.

Formerly the registration was completed in one day. The advantage of the new system is that it will relieve pressure in the office and save time.

By presenting a tentative program and receipt to the instructors, enrollment in classes may also be completed on these days.

Students are urged by the office of the deans to take advantage of this plan by registering on one of the above dates.

## Automotive Lab Gets New Motors

Two new gasoline engines have been obtained by the automotive laboratory for the purpose of study. The first is a new Buda motor, which will be tested by Gene Davidson for its efficiency with various types of fuels, and the second is a new Chrysler Eight which will be subjected to tests for power and efficiency by Fred Borrowdale and Harold Fox.

Other automotive laboratory activities include work being done on the detection of intensities of noises under various frequencies. The initial results have been obtained and according to the present indications, final results will be available shortly. Sound rhythm analysis is a new test and will prove interesting to those familiar with motors.

Air meters of the orifice type are being attached to several engines in the automotive laboratory. Here an electric heating device measures the air to the engine as well as adjusts the temperature to the proper magnitude. A few are complete but the others will be ready for student experiments next semester.

## Pi Tau Sigma Holds Election of Officers

At a meeting held last Thursday in the Tau Beta Pi rooms, Pi Tau Sigma elected the following men to hold office for the coming semester: President, R. M. Krause; Vice-President, F. F. Strassenberg; Recording Secretary, H. R. Davis; Corresponding Secretary, A. N. Cannon; Treasurer, R. H. Stevenson; Cataloguer, H. L. Fox.

## Freshman Class Smoker Postponed to Next Term

The smoker to be held this semester by the Freshman Class has been postponed to next term. Lateness of date, coupled with unforeseen difficulties, are the causes, it is said, of the postponement.

The present Junior Class inaugurated the idea of having a class smoker when they were freshmen. The precedent, however, has not been followed.

The Fourth Annual Interclass Track Championship will be held on Saturday, February 7, at Bartlett gymnasium at 2:30 p. m.

The events will be: 50 yard dash, 220 yard dash, 50 yard low and high hurdles, 440 yard run, 880 yard run, one mile run, two mile run, high jump, shot put, pole vault, and class relay, consisting of four men each.

Medals Awarded Place Winners  
Ribbons will be awarded for the first three places in each event; blue for first, red for second, and white for third place. Points will be scored as follows: first place, three points; second place, two points, and third place, one point. The class team which has the highest number of points at the end of the meet is declared the interclass champions of 1931.

Suitable medals will be awarded to the men on the interclass championship team. All students are urged to come out and cheer their respective teammates on to victory. There are no admission charges to any of the track meets.

#### To Compete in Three Events Only

No member of any class team may enter more than three events including the relay. All men should report their entries to Captains H. L. Fox or F. M. James before 5 P. M. next Friday.

The class of '31 is favored to cop the meet. Their teams have won the championship for the past two years. They have six men eligible to compete.

Seniors Favored to Win  
The juniors and sophomores are expected to give them plenty of competition. The freshmen are, as usual, the dark horses of the meet.

Twelve to fifteen men are practicing every day at the gym. New men should only practice two to three times a week in order not to become stale.

The following men have received uniforms from Manager F. Munch: Captains H. L. Fox and F. M. James, A. H. Jens, D. J. Iverson, E. E. Sademan, E. L. Cordes, C. J. Jens, H. P. Richter, K. S. Hirsch, G. J. Stockmann, J. Sorenson, O. Murphy, M. Venema, G. Nelson, C. Cunningham, O. T. Barnett, S. T. Leavitt, J. J. Gura, E. Curran, A. H. Helmick, A. Hartanov, W. Holland, A. Jungels, M. Berger, L. S. Anderson, O. Staib and F. M. Alberti.

The following is the tentative schedule for the 1931 season:

Indoor  
Saturday, February 7—Fourth Annual Interclass Meet at Bartlett Gymnasium.

Friday, February 13—Armour Informal Meet, including University of Chicago's second team, Chicago Normal, Y. M. C. A. College, Sears, Roebuck Y. M. C. A., Armour and Crane.

Saturday, February 21—Loyola at Loyola; Crane or Lake Forest may also compete.

Saturday, February 28—Bankers Meet.

Saturday, March 14—Illinois Relays at Champaign, Illinois.

Saturday, March 21—Third Annual Armour Indoor Invitation Meet at Bartlett Gymnasium.

Saturday, March 28—Central A. A. U. Championship.

#### Outdoor

Saturday, April 4—Loyola at Loyola; Elmhurst may enter.

Saturday, April 18—Crane at Ogden Field.

Saturday, April 25—Drake Relays at Des Moines, Iowa.

Tuesday, April 28—"Y" College at "Y."