



## LINCOLN'S MEMORY TO BE HONORED AT ARMOUR ASSEMBLY

**Dr. F. F. Shannon, Noted  
Chicago Preacher,  
To Speak**

### ORCHESTRA TO PLAY

In commemoration of the birthday anniversary of Abraham Lincoln, a general assembly will be held tomorrow at 10:30 o'clock. Dr. Frederick F. Shannon, pastor of the Central Church of Chicago, holding services at Orchestra Hall, will be the featured speaker of the day, while the orchestra will furnish the music.

This annual assembly is being held on February 11 since the following day is a holiday for all students.

#### Is Good Speaker

Dr. Shannon is considered to be one of the twenty most prominent preachers in the United States. He is an effective platform speaker, being among the best. He has written a number of books on religion and kindred subjects. Among those best known are: "The New Personality," "The Enchanted Universe," "The Economic Eden," and "The Land of Beginning Again."

Dr. Shannon was graduated from Harvard University in 1899. Since being ordained as minister, he has been pastor of churches in Logan, West Virginia and Brooklyn, N. Y., before coming to Chicago in 1920. Since the death of Dr. Gunsaulus, he has delivered the Baccalaureate sermon to all of the Armour graduating classes.

### Chemicals Organize Student Orchestra

A new musical organization for the present called the Armour Chemical Orchestra will soon make its debut before the student body. The orchestra is composed of seven pieces and specializes in the interpretation of Spanish and semi-classical numbers.

The members of the orchestra are:

- M. Yzaguirre, Mandolin.
- H. Z. Martin, 1st Violin.
- T. Foin, 2nd Violin.
- W. Guyot, 1st Violin.
- A. Weston, Guitar.
- J. E. Westenberg, Pianist.
- W. A. Holland, Bass.

The members have practice every Wednesday afternoon, and have the enthusiastic support of Professor Leigh and other members of the faculty.

### Junior Civils Make Chicago Tunnel Trip

An inspection trip through Chicago's tunnel system held the interest of W. S. E. Junior Engineers on Saturday afternoon, January 31.

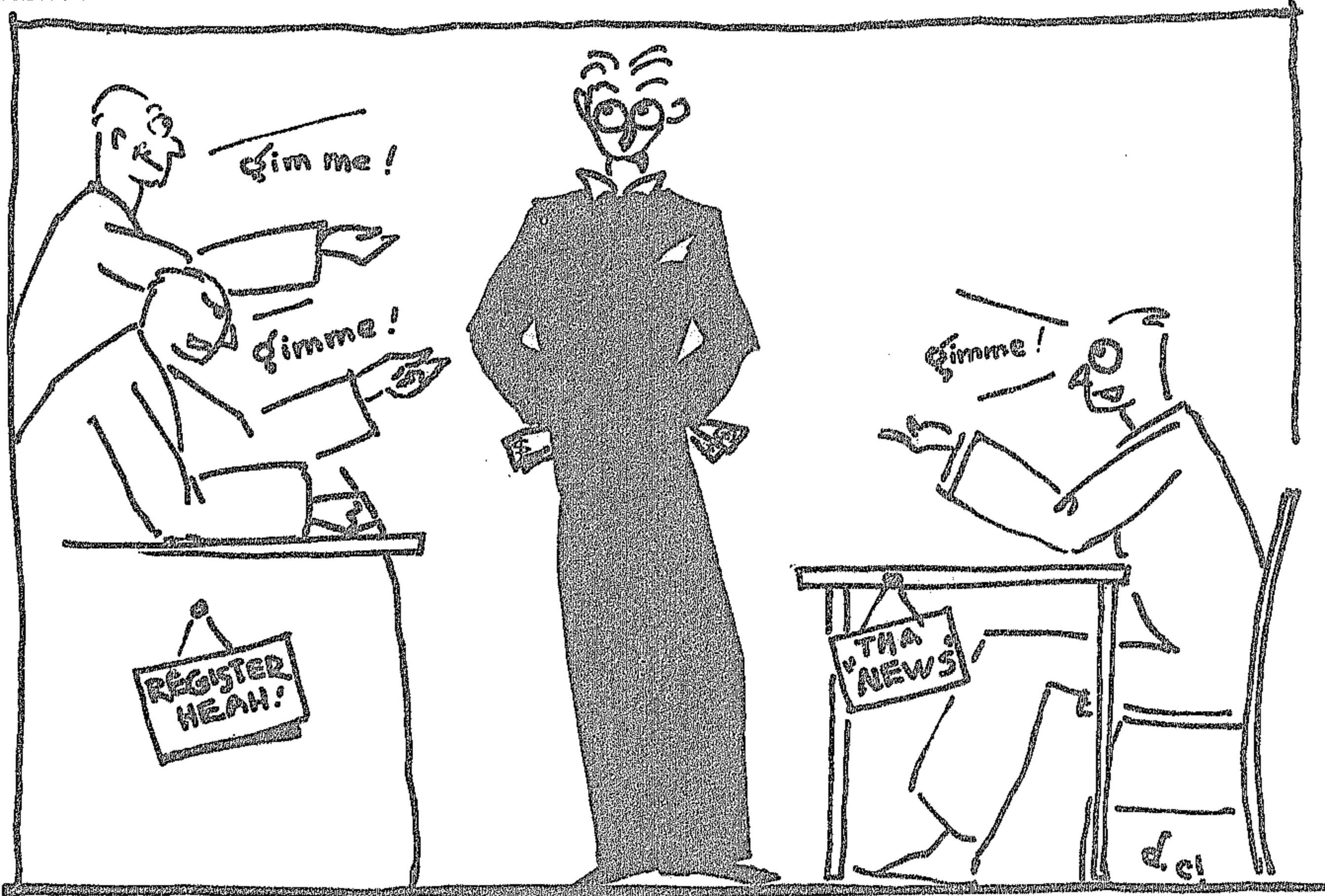
The trip is conducted each year through the courtesy of the Chicago Tunnel Company, whose offices are located at 754 W. Jackson Blvd. Taking this place as a starting point, the group experienced the thrill of a ride under the river to Chicago's loop, where they were shown some of the largest of the underground freight receiving stations.

### Alumni Association Will Give Luncheon

The Armour Alumni Association has inaugurated a policy of giving a monthly luncheon, the first of which is to be held tomorrow at the Engineers Club in the Engineers building, Wells and Wacker drive.

Henry Penn, former professor of civil engineering at the Institute, will be the speaker on the "Romance of Steel." Mr. Penn is at present connected with the American Institute of Steel Construction.

## ANOTHER DAYLIGHT ROBBERY



### Mechanicals Will Attend Meeting

All senior mechanicals will attend the fourth National Fuels Meeting of the American Society of Mechanical Engineers, which is being held in connection with the Fifth Midwest Power Engineering Conference, as ushers and registrars. The conference, lasting from February 10 to 14, will draw to Chicago and the Stevens Hotel, some of the country's most prominent mechanical engineers, and the seniors, as registrars, will have the opportunity of meeting them.

A number of sessions, headed by engineers of note, comprise the Fuels meeting, and to each of these meetings a small group of students are assigned to take care of registration.

#### Gebhardt Chairman

Professor George F. Gebhardt, professor of mechanical engineering at the Institute, is chairman of the session which meets on Thursday, February 12 at 2:15 P. M. The "Effect of Fineness of Pulverization on Boiler Efficiencies" will be the subject of a talk.

In addition to being ushers at the Fuels Meeting, some of the mechanicals will also usher at the Midwest Power Engineering Conference, which will be held at the Stevens Hotel, February 10-12, inclusive. The scope of the latter is indicated by the fact that the conference is sponsored and endorsed by the local sections, regional and professional divisions of the following: American Society of Civil Engineers, American Institute of Mining Engineers, American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Refrigerating Engineers, National Electric Light Association, Western Society of Engineers, and the National Safety Council.

#### Go To Exposition

The mechanicals will also attend the Power Exposition which is going to be held at the Coliseum, on February 10-14. Members of participating societies, all engineers, as well as guests, have been invited to see the vast exhibit of power equipment and supplies. Engineers are particularly urged to attend the sessions for an opportunity is given to hear worthwhile subjects and secure latest ideas on power generation and use.

A banquet and dance will be held Thursday, February 12, at the Stevens Hotel. The latter event is the big social feature of the Midwest Power Engineering Conference and Fuels Meeting of the American Society of Mechanical Engineers. During the excellent dinner there will be a magnificent pageant of Power under the direction of Ambrose Wyrick and a cast of thirty-five talented entertainers.

In observance of Abraham Lincoln's birthday, school will be closed this Thursday, February 12.

### RICHARDSON GIVES ELECTRICALS NEW COURSE IN THEORY

A new elective course will be offered to the Senior Electricals on Tuesday mornings from 9:30 to 12:20 under the supervision of Professor D. E. Richardson. This course will be open to all of the Senior Electricals who can fit it into their programs.

The name of the course is "Advanced Electric Circuit Theory." Professor Richardson intends to take up the electric transient phenomena in circuits containing resistance, inductance, capacity, and sources of E. M. F. Both variable and constant circuit parameters will be considered.

Part of the three-hour period will be spent in lectures and the remainder of the time will be devoted to working out problems under the supervision of Professor Richardson. Calculations will be made concerning the more important of the numerous typical circuits. Wherever possible graphical methods will be applied. The electric oscillograph will be utilized in checking the mathematical results obtained.

The exact amount of time spent by the class on each phase of the work will be determined by the interest of the students. It is intended that they, in addition to their regular work, bring up worthy subjects along this line of Electrical Engineering to be solved by the class.

### Ferris Copies Given To Civil Department

The American Institute of Steel Construction has given a series of pictures of the civil engineering department. These pictures are copies of originals that were painted by Hugh Ferriss, the well-known artist. The scenes depicted on these pictures consist of steel buildings and bridges. At the present time the pictures are enlivening the "diggings" of the Chi Sigma fraternity where all the honorary civils can be inspired by them.

#### REFUND OBTAINABLE

Students who paid for two semesters' subscription to the Armour Tech News last term may obtain a refund of \$1.00 for the second semester at the cashier's office. This may be done since the subscription rate to the News is included in the tuition this semester.

### "Illumination" Is A. I. E. E. Subject

The Armour branch of the A. I. E. E. held a meeting Monday, Jan. 26 in Science hall. The speaker, Mr. O. P. Cleaver of the Westinghouse Lamp Company, gave a lecture on "Illumination."

Mr. Cleaver came prepared with slides, various lamps, and a multitude of articles to make a very interesting talk. He stressed the importance of the use of the proper quantity of light in order to use the human eyes more efficiently. Many slides showing the modern trend in indirect lighting were shown. A very striking example of the use of color light in bringing out qualities of an article was shown in the use of red and green lights focused on vari-colored articles.

#### Describe Ultra-Violet Lamps

A photo-flash lamp was demonstrated and its advantages over common flash powder in photography discussed. Two ultra violet lamp sets were operated and their relative merits discussed. Mr. Cleaver gave details of the relative dangers of the two lamp sets, one of which was dangerous if not properly used, and also expensive, while the other was very economical and not harmful.

#### Neon Lamp Shown

The speaker presented and described the new neon glow lamp, and pointed out its capacity as a very useful lamp when only a small quantity of light is necessary.

When Mr. Cleaver had finished his lecture, two hours after he had started, the members very enthusiastically applauded their thanks. Mr. Cleaver was still being questioned a half-hour after he had finished the topic.

The engagement of Harold E. Ross, '27, to Miss Beatrice Marie Peters was announced recently.

### Calendar

- Tuesday, Feb. 10  
8:30 A. M.—Classes begin.
- Wednesday, Feb. 11  
10:30 A. M.—General Assembly.
- Thursday, Feb. 12  
Lincoln's Birthday, a holiday.
- Friday, Feb. 13  
10:30 A. M.—Meeting — New's Staff at News office.  
4:30 P. M.—Basketball—Augustana at Armour.  
7:30 P. M.—Track Meet—Armour Informal at Naperville.
- Saturday, Feb. 14  
8:00 P. M.—Boxing — Armour at Springfield "Y."

## ARMOUR'S SECOND BATTLE AGAINST AUGUSTANA FIVE SCHEDULED FOR FRIDAY 13th

**New Line-up Promises to Make Game Best  
Tussle for This  
Season**

### TEAM BEATEN BY TWO BASKETS LAST GAME

#### Ex-Capt. Kara Dies

James J. Kara, C. E. '30, died Sunday, February 8, 1931, from injuries received when his automobile skidded on icy pavement and crashed into a light pole.

On Friday February 13, Armour will engage Augustana College for the second time this season. The game on this superstitious day is scheduled for 4:30 P. M. at the Armour.

Thus far in the season most of the Armour games have resulted in defeat although none have been played on any Friday the 13th. If there is any significance in forming any superstitious beliefs about this date, Coach Krafft hopes that the effects will be realized, for victory is the ultimate result, since defeat has been the result on other dates.

#### Krafft Predicts Victory

When meeting Augustana, Armour will be competing with a team which rates as one of the best on Tech's schedule. Above all they will be pitted against a team which has already scored one victory over our men this season.

Despite the odds that appear to be against our cagers in the coming game, Coach Krafft feels justified in predicting a victory. Fans who witnessed the last game between these teams will recall that Armour had been nosed out by only two baskets, having staged a brilliant last half rally in which they outplayed and outscored Augustana.

#### Odds Favor Tech Men

If Armour can begin Friday's fight at the point they left off in the last game, Augustana may be forced to atone for that victory on January 15. Since that time Krafft's line-up has been changed a number of times. For a while Gustafson and Miran were among the performers. Other men made short appearances but were soon dropped or left the regulars.

When these teams clash again, Coach Krafft will present the old starting line-up comprised of Robin, Rossing, Beemsterboer, Ott, Rutkowski and Omiecinski. These men may or may not break the cords that have held the basketball team from progressing with the desired amount of success. Regardless of the outcome, fans can rest assured that one of the best games of the season is in store when the teams battle on the jinx day.

### News Staff Meeting Will be Held Friday

A meeting of all departments of the Armour Tech News staff will be held next Friday at 10:30. Since this period is a free hour for all students except freshmen, all upper class members are required to attend. Several items of business and of editorial nature are to be discussed in the News office.

This meeting is not confined to staff members but any student who would like to work on the News is invited to be present. This should be an opportunity for all men who have done work on high school periodicals and others who are genuinely interested in newspaper work.

### A. S. M. E. and A. I. Ch. E. To Hold Joint Meeting

A joint meeting of the Armour branches of the A. S. M. E. and A. I. Ch. E. will be held Friday, February 13, in room B, Mission building.

A representative of Harbison-Walker Company will show five reels of motion pictures depicting the manufacture and uses of refractories.

### J. W. Juvinall, E. E. '33 Wins Tau Beta Pi Award

James W. Juvinall, E. E., '33, has been awarded a Handbook of Chemistry and Physics by Tau Beta Pi, honorary engineering fraternity, for having the highest scholastic average in the freshman class last year. Juvinall's average for the year was 97.0 per cent.

This award is made annually in order to stimulate interest in one of the ideals for which the fraternity stands.

### Professor Scherger To Address Farmers

Professor G. L. Scherger has been chosen as a speaker at the annual state meeting of the Illinois Farmers Institute at Decatur, Ill., February 19. The subject of his talk is "The Farmer and the Nation." In this lecture the present position of the farmer in the social life of the United States is to be compared with that in earlier days.