



## RADIO PROGRAMS TO BE SPONSORED BY THE INSTITUTE

To Be Broadcast Every Sunday and Thursday Over WJJD

### LECTURES FEATURED

Armour Institute of Technology will sponsor a series of educational programs which will be broadcast twice a week over station WJJD, it was announced this week by James D. Cunningham, Chairman of the Board of Trustees. The first program will be broadcast on Sunday, September 25th, at 6:00 P. M.

The programs, which will occur regularly from 6:00 to 6:30 on Sunday evenings, and from 2:30 to 2:45 on Thursday afternoons, will be composed of three groups of lectures, the announcement said.

#### To Trace Engineering History

One of these series will trace the history and recent development of the various branches of the engineering profession. In this group, for example, the department of Fire Protection Engineering at Armour Institute of Technology will give a series of programs explaining the development of scientific fire-protection methods and apparatus. Similar programs will be arranged by the other departments at the school.

A second type of lecture, according to Mr. Cunningham's announcement, will be given in cooperation with industrial companies throughout the city. These broadcasts will tell of the development of major industries from the standpoint of the scientific principles involved in them.

## ELECTRICAL HEAD ATTENDS MEETING AT OREGON STATE

Professor E. H. Freeman, Head of the Department of Electrical Engineering, was the official delegate of Armour Institute to the Fortieth Annual Convention of the Society for the Promotion of Engineering Education. The convention was held at the Oregon State College in Corvallis, during the first part of July.

A number of ideas relative to engineering education were proposed and discussed by members of the society. The general tendency seemed to be a continuation of the ideas which have been prevalent in engineering schools for the past decade—the reduction of the amount of highly specialized studies, and the substitution of more of the fundamental sciences. There also exists a trend in the direction of liberalizing the curricula to a greater extent than heretofore.

#### Longer Training Needed

Speaking on the effect of the depression on education in the future, Dr. Magnusson, of the University of Washington, expressed the opinion that longer training and more highly technical training will be demanded. Col. Rees, of the American Telephone and Telegraph Company, also predicted that advanced degrees will play a prominent part in subsequent engineering education. As a

(Continued on page 4)

## Eleven Men Initiated Into Sphinx Society

Initiation ceremonies of Sphinx, local honorary literary society, were held May 26 at the Delta Tau Delta House. After the initiation the following officers were elected: J. T. Sorenson—President; R. F. Rychlik—Secretary-Treasurer.

The following men were initiated into the organization: J. W. Juvinall, R. E. Nelson, H. M. Kreisman, J. T. Sorenson, W. W. Lange, M. A. Collick, H. F. Becker, C. K. Simons, S. P. Cone, J. H. Miller, and F. W. Paine.

## LIBRARY TO ISSUE NEW TYPE CARDS TO ALL STUDENTS

All new students should register in the library to receive their library cards. Tuition receipts are needed for identification. The library is situated at the north end of the first floor of the Main Building.

New library cards will be issued to all returning students upon presentation of tuition receipts. This is a new practice and all upper-class men will be privileged to retain their old numbers. No books will be issued to students who have the old identification cards.

During the summer a counter has been built around the stacks so as to enclose them. All books must be signed out of these stacks. Students will be allowed to enter the stacks upon request and they will be charged for whatever books they take out with them. No brief-cases will be allowed behind this counter.

Last August Mrs. Smith resigned her position as assistant in the library. Although no one has been assigned to take Mrs. Smith's position, there will be several new student assistants in the library this semester. The students working in the library this coming semester are C. E. M. Dahlgren, L. Puhonch, C. M. Huetten, V. Kevvigan, N. C. Peasfold, and V. Blinsh.

## Drafting Room Moved to Chapin

Because of the establishment of a lunch room in what used to be the Senior Drafting room, a new drafting room is being prepared in the third entrance Chapin Hall. This necessitated the moving of the publication offices to the fourth entrance, second floor, Chapin Hall.

Due to these changes the campus Club has been moved up over their old quarters to the second floor, where they have twice as much room.

#### SOLID GEOMETRY

All students deficient in Solid Geometry must take this course this coming semester. It will be given from five o'clock to six o'clock on Tuesdays and Fridays. Those students affected by this notice must leave their names in the office of the deans at once.

## Trustees Meet at Luncheon, Discuss Development Program

New trustees of Armour Institute of Technology who have become members of the Board during the Armour program of expansion and development met with the full Board at an informal luncheon on September 7th at the Chicago Club to discuss plans for continuation of the program throughout the coming school year.

Nineteen new trustees have been added to the Board during the summer, and that meeting was the first time that all of these men had met with the old trustees, although individually they assisted during the summer in the Development Committee's expansion program.

#### Cunningham Outlines Plans

James D. Cunningham, Chairman of the Board, reviewed the work which has already been done, and outlined plans for its continuation. Among the new members who attended the meeting are Don M. Compton, Paul H. Davis, Colonel Frank Knox, J. J. Merrill, C. Paul Parker, Vincent Bendix, and Charles R. Tuttle.

The work already accomplished includes the publishing of a report covering the Development Committee's research in engineering education and the Development Plan which has resulted from this research; operating programs carried on by the Lecture Bureau and the Board of Publications which were formed at the Institute on the recommendation of the Development Committee; the

## Dean of Engineering Extends Welcome to Incoming Freshmen



#### To New Students:

For its fortieth year Armour Institute of Technology receives a group of young men who are about to begin four of the most important years of their lives. For many of you, attendance at college under present economic conditions has meant careful planning and financial sacri-

ces. You expect an adequate return for the difficulties that you are overcoming,—proper dividends on your investment of time and money. You look to us for guidance and help in preparing yourselves for work in the engineering professions and for lives of useful citizenship. In this preparation, much depends upon your own ability and your own industry. We have the responsibility of working with you to the end that ability and industry shall be most productive of results. You may count upon the cooperation of every member of the faculty and of every officer of administration.

We expect that the next few years will bring the most important new developments that the Institute has known since its foundation. To the participation in these developments we welcome you most heartily.

## All Students Invited To Try Out For News

All freshmen who wish to try out for the position of reporters on the Armour Tech News are requested to be in the News office Friday afternoon at five for instructions as to tryouts.

Work on the paper furnishes valuable experience in newspaper routine, constructive English, and printing forms. The News was rated by the N. S. P. A. during the last school year for the first time and received a First-Class Honor Rating.

The offices of the News have been moved to the second floor Chapin, fourth entrance south in order to make room for the new drafting room.

Although it is preferred that freshmen try out, sophomores and juniors are also welcome.

There will be a meeting of the Board of Publications at 10:30, next Friday, in the Tau Beta Pi rooms.

## Stan Livingston Confined to Bed

Stanley Livingston of the student supply store has been confined to his bed for the past three weeks with a badly infected foot. A series of X-ray photographs convinced Dr. Kelly, former medical advisor at the Institute, that the infection had its inception in a bruise.

Stan lives on the fourth floor at 3333 Federal and will be glad to see his old friends among the student body. It is hoped that he will be back very shortly even though he is forced to use the crutches that are propped up against his bedroom window.

## DIRECTORY OF ROOMS

- MAIN BUILDING**
  - Second Floor
    - Physics and Electricity Lecture Rooms
  - Third Floor
    - Freshman Chemistry Laboratory and Science Hall
  - Fourth Floor
    - Rooms A, B, and C
  - Fifth Floor
    - Freshman Drafting Room, Gymnasium and Doctor's Office
- CHAPIN HALL**
  - First Entrance
    - Third Floor
      - Rooms A and B
  - Second Entrance
    - Second Floor
      - Rooms D and F
    - Third Floor
      - Rooms E and G
  - Third Entrance
    - First Floor
      - Senior Drafting Room
    - Second Floor
      - Campus Club
  - Fourth Entrance
    - First Floor
      - Rooms H and J
    - Second Floor
      - Armour Tech News Office
    - Fifth Entrance
      - First Floor
        - Civil Museum
  - MISSION BUILDING**
    - First Floor
      - Room D and fountain lunch-room
    - Second Floor
      - Rooms A, B, and C
    - Third Floor
      - Assembly Hall
    - Civil Drafting Room
  - MACHINERY HALL**
    - First Floor
      - Forge
    - Second Floor
      - Machine Shop and Room A
    - Third Floor
      - Wood Shop and Room B
    - Fourth Floor
      - Foundry and Room C

## NEW FOUNTAIN-LUNCHROOM ELIMINATES LONG WALK TO NORTH END OF OGDEN FIELD

Main Floor of Mission Building To Be Popular Gathering Place

### DECORATIONS MANDARIN RED AND BLACK

A new fountain-lunchroom on the main floor of the Mission Building is scheduled to open today. This project is the concrete evidence of weeks of planning and labor on the part of the authorities who wished to provide the students with a congenial gathering place.

The idea behind the opening of this new space is along the lines of the Student Union. It is rumored that smoking will be permitted at the tables, which will be provided with ash receptacles.

A fountain-lunch service from nine o'clock to six o'clock featuring a special plate lunch at a very reason-

able price will be one of the innovations.

It will not be necessary for students to make purchases in order to enjoy the benefits of this improvement. It is planned to make this an ideal spot for students to spend their time between classes in an informal manner.

#### Furnished in Red and Black

The furnishings of the room will also be different from those of the other parts of the Institute. Mandarin red and black will be the basis for the color scheme of the room and its fixtures.

Care must be taken on the part of the students in order to insure that all matches and cigarettes are carefully extinguished. Professor Schommer hinted that all barbarous tendencies towards the destruction of property must also be subdued. In other words the class rush must still be confined to Ogden Field as it has been in the past.

The entire project is not intended to be profit-making but is rather a gesture on the part of the authorities to show the students that their welfare is being considered at all times. The school is attempting to make conditions as near ideal from the students' standpoint as it is in their power to do so.

## Course Given in Electron Physics

Dr. Thompson will again offer his course in electron physics. This course, which covers some of the outstanding developments in modern physics, is offered to juniors and seniors who have completed physics II and wish to continue the study of up-to-date phases of the subject.

The course takes three hours a week in the laboratory and one hour in the classroom. Experiments include work on the discharge tube, quadrant electrometer, vacuum lines and various pieces of delicate apparatus. Natural constants such as the charge on the electron and the ratio of e to m will be measured. A study will be made of X-rays and radioactivity.

In the catalogue this course is listed as Physics 11, Electron Theory and Atomic Structure. A review of the quantum theory is given as a basis for the interpretation of simple spectra, X-rays, photoelectricity, and the structure of the atom. Students interested in this work should register with Dr. Thompson in his office on the second floor, first entrance, Chapin hall.

## H. K. N. Initiates, Elects Officers

Eta Kappa Nu, National Honorary Electrical Engineering Fraternity, held its semi-annual initiation in the chapter rooms on Thursday, June 2. The men initiated were D. G. Wilson, W. W. Lange, and W. T. Dumser.

Immediately following the initiation, the following officers were elected for the coming year: J. W. Juvinall, president; R. F. Rychlik, vice-president; W. W. Lange, treasurer; W. T. Dumser, corresponding secretary; and D. G. Wilson, recording secretary.

#### P. L. U. ELECTS OFFICERS

At the close of last semester Phi Lambda Upsilon, the honorary chemical society at Armour, elected officers for the coming year.

The following men were elected to office: Franklin W. Paine, president; Leonard W. Krizan, vice president; Homer Z. Martin, treasurer; John H. Miller, Secretary; Henry Fishman, Alumni Secretary.

#### A. I. E. E. ELECTION

R. F. Rychlik was elected Chairman of the Armour branch of the A. I. E. E. at an election held at the close of last semester. Other officers elected were E. A. Snelling, vice-chairman, D. O. Schwenesson, secretary, and W. T. Dumser, treasurer. The election was hotly contested and two political parties struggled for supremacy. Their respective platforms are even at this time not clearly understood.

## New Department Added to School

A new four year course in the fundamental sciences has been added to the departments which have already been established at Armour Institute. The aim of this course is to provide a thorough training in the basic sciences, and a more extensive knowledge of the humanities than is customary in the usual engineering course. It prepares the student for advanced scientific research, either pure or applied, and for teaching the sciences in universities and colleges.

#### Professor Paul Heads Department

Professor Paul, Head of the Department of Mechanics, has been made director of the new Department of Science. The course will be opened to registration in September of this year, and after its successful completion, the degree of Bachelor of Science will be awarded.

A fifth year of graduate work may be taken, with a program consisting of special subjects chosen from the group of electives offered in connection with the curriculum of the senior year. The degree of Master of Science is awarded upon successful completion of this additional year of work. The fifth year work is also available to graduates of other colleges who have the proper qualifications.

#### Entrance Requirements the Same

The choice of electives by students in the senior and graduate years is to be approved by the director of the course and the heads of the departments comprising the Department of Science.

The requirements for admission to this course are the same as for courses in engineering or architecture. Since all of the first year curricula are practically the same, students may change from the Department of Science to one of the other schools, or conversely, at the end of, or during, the freshman year without serious difficulty.

#### ALUMNUS MARRIED

On Saturday, July 2, George Leigh Parkhurst, Ch. E. '27 was married. He and his wife are now residing at 6052 Harper Avenue. Mr. Parkhurst is now in the patent department of the Standard Oil Company.