

# TECH HOLDS OPEN HOUSE

## P. E. HEATH IS CYCLE EDITOR FOR NEXT YEAR

### King Selected as New Business Manager

At a meeting of the editors of the Cycle last week, men were chosen for the positions of Editor-in-Chief and business manager for the 1930 Cycle. Preston E. Heath, F.P.E., '30 was selected for the office of editor-in-chief and Walter M. King, E.E., '31 was chosen for business manager.

This year Boyden W. Hindman E.E., '29, the retiring editor-in-chief, has been assisted by Heath acting as associate editor. Heath for his work as associate has been given the editor's chair.

E. Percy Boynton, Ch.E., '30, business manager of the '29 Cycle, is retiring as an active member of the staff. He will, however, act as advisory business manager to King on the '30 Cycle.

The associate editor and the various department editors have not been chosen as yet but by the first of this week the entire staff shall have been picked.

On Circus Day of each year the Cycle is usually distributed, however, Hindman is not ready to designate this as the date of distribution this year.

## CIRCUS DAY TO CLIMAX JUNIOR CELEBRATIONS

### Class Rush, Two Relays and Stunt Show Scheduled

Circus Day, the crowning event of Junior Week, will be held Saturday, May 18. Jack Sitzler and his crew of Marshalls have drawn up plans for a full day of contests.

The class rush, which is scheduled for the first event of the afternoon, should be a good scrap because feeling is running high between the classes. Fifty sacks filled with straw and five sacks filled with sand will be placed in the middle of the field. Each sack of straw will count one point and each sack of sand will count for five. The Sophs with their red shirts will have the north end of the field for a goal and the Frosh will collect their sacks at the south end. It will be absolutely forbidden to throw the sacks over the fence.

The Marshalls, in white knickers and yellow coats, with black trimmings, will be swinging paddles discriminately. In addition to this event, there will be the Pentathlon, for which all students are eligible, the Interclass Relay, the Inter-fraternity Relay, and the Stunt Show. In the latter event, each of the fraternities will present a stunt, to be judged by a committee of faculty members. The complete program for Saturday follows:

9:30—Pentathlon  
Interclass Relay.  
Inter-fraternity Relay.  
Afternoon—Class Rush.  
Stunt Show.

Tanks of red and green dyes to be used for coloring shirts for Circus Day will be placed at the disposal of participants by the middle of the week. The dyes will be in the industrial lab on the 4th floor.

### Last Call for Gowns

Seniors who have not yet had their measurements taken for caps and gowns must do so at once.

## Call for Bids to Junior Prom Is Heavy; Formal Supper Dance at Congress Will End Social Season at Institute

### R. J. SERSON DIRECTS AFFAIR

## INTER-HONORARY BANQUET HELD WEDNESDAY NIGHT

The annual inter-honorary banquet held last Wednesday night at the Sutherland hotel, will not be soon forgotten by those attending, nearly every honorary man in school being present.

Mr. W. L. Abbot, chief mechanical engineer of the Commonwealth Edison Co., delivered the address of the evening, "After Coal, What?" in which he emphasized the uncertainty of the future supply of coal.

### Annual Varsity vs. Alumni Game Today

Monday Morning, May 13.—At three o'clock this afternoon, the Armour Varsity will engage the Alumni in the annual Varsity-Alumni Baseball Game on Ogden Field. Coach Krafft will play his regular lineup against such alumni stars as: W. F. Kueffel, '27, V. A. Hofer, '27, W. E. Downes, '26, S. J. McLaren, '26, G. N. Schumacher, '23, and C. W. Schonne, '20. John J. Schommer, '12, famous U. of C. athlete, is expected to do the pitching against the varsity. Stehno, Graham or Cannell will probably hurl for the Krafft men.

Bids are rapidly being disposed of for the Junior Prom, to be held next Friday evening. There are but a few available now, and these will be soon taken.

It is to be a formal supper dance, and will be held in the Balloon Room of the Congress Hotel, a location well known to all. The music will be furnished by Charley Stragh and his well-known eight-piece orchestra, formerly of Chicago, and recently returned from a country-wide tour.

Dancing will be from nine till twelve, when supper will be served. Following this dancing will continue till two.

The Junior social committee, led by Robert J. Serson, has done its utmost to provide an enjoyable evening, and are confident that no detail has been overlooked in this respect.

Dr. Raymond, Deans Palmer and Penn, Professor Morton will attend with their wives.

### News Staff Banquet to Be Held May 22

A dinner will be given for the staff of the Armour Tech News at the Brevoort Hotel on Wednesday evening, May 22, at 6:30 P.M.

All present members of the staff are invited, as well as all retiring members. It is planned to have some of the faculty members present that are interested in publication work. Tickets will be \$1.50.

## WELCOME

The Armour Institute of Technology extends greetings and a welcome to its friends on the occasion of Open House Night. It is the one event of the year when the Institute makes special preparations to receive guests and show them through the different departments, shops, and laboratories. Members of the faculty will explain the workings of their respective departments and have interesting experiments on display. It is hoped that parents of our students will meet the teachers of their sons and acquire a more intimate knowledge of our methods and work. Our invitation to visit the Institute is not confined to Open House Night, for visitors are welcome on any and all class days of the college year. We hope your enjoyment of this evening will inspire you to visit us again.

Howard M. Raymond.

## ALL DEPARTMENTS HAVE EXHIBITS OF INTEREST ON ANNUAL VISITORS NIGHT

### ALL BUILDINGS OPEN FOR INSPECTION

Tonight the Armour Institute of Technology will be displayed to an estimated crowd of two thousand people as an Engineering school running full blast. The different departments have prepared exhibits and experiments in addition to the regular work shown.

**Airship Motor Tested**  
An interesting test which will be made by the Mechanical Department is an efficiency test of a Packard motor designed for use on airships. The motor is a duplicate of those used on the Shenandoah, and is a six in line type, with a series method of water circulation.

### Summary of Open House Exhibits

Following is a brief list of different exhibits and experiments which will be shown by the various departments. For a full account see article in column 6, page 1. For a map of the institute, see columns 2 and 3, page 1.

**Mechanical Engineering**  
There will be experiments running continuously in the Automotive laboratory building, and also in the Mechanics laboratory in the basement of the Main building, during the entire evening.

**Electrical Engineering**  
A motion picture will be shown in the Electrical Recitation Room on the second floor of the Main building. Experiments will be run in the Electrical Engineering laboratory on the second floor of the Main building, also in the Dynamo laboratory on the first floor of the Main building.

**Chemical Engineering**  
Exhibits and experiments will be shown all evening in the Freshman Chemistry laboratory on the third floor of the Main building, in the Industrial Chemistry laboratory on the fourth floor of the Main building, and in the Organic Chemistry laboratory on the fourth floor of the Main building. In the Metallurgical laboratory, reached through the Electrical Engineering laboratory on the second floor of the Main building, a series of experiments will be run during the evening.

**Fire Protection Engineering**  
A model sprinkler system exhibit will be shown all evening in the Physics Lecture Room on the second floor of the main building.

**Architecture**  
Exhibits of Architectural design problems will be displayed in the foyer of the Main building.

**Physics**  
Experiments will be shown in the Physics laboratory on the first floor of Chapin Hall during the entire evening.

**Foundry**  
Exhibits of core making and of molds will be shown in the Foundry on the fourth floor of Machinery Hall. A cupola of molten iron will be poured at about 8:30 P. M.

**Wood Shop**  
Exhibits of pattern making and other forms of craftsmanship will be shown in the wood shop on the third floor of Machinery Hall. All machines will be running.

**Machine Shop**  
Lathe work, milling machines and other mechanical devices will be shown together with samples of student work in the Machine Shop, second floor of the Machinery Hall.

**Forge Shop**  
Thermit welding will be performed every hour. Ornamental forge work will be done continuously all evening, and exhibits of work will be made in the Machine shop on the first floor of the Machinery Hall.

bits and experiments in addition to the regular work shown.

**Airship Motor Tested**  
An interesting test which will be made by the Mechanical Department is an efficiency test of a Packard motor designed for use on airships. The motor is a duplicate of those used on the Shenandoah, and is a six in line type, with a series method of water circulation.

A machine will also be shown by the mechanicals to determine the coefficient of friction and wear of automobile brake linings.

Other experiments will be tests of anti-knock gas, ordinary gasoline, tensile tests of steel and cast iron. An Olsen tension testing machine will be utilized to destroy the metal. Other experiments drawn from the regular class work will be done in the Mechanical laboratory, totaling sixty in all.

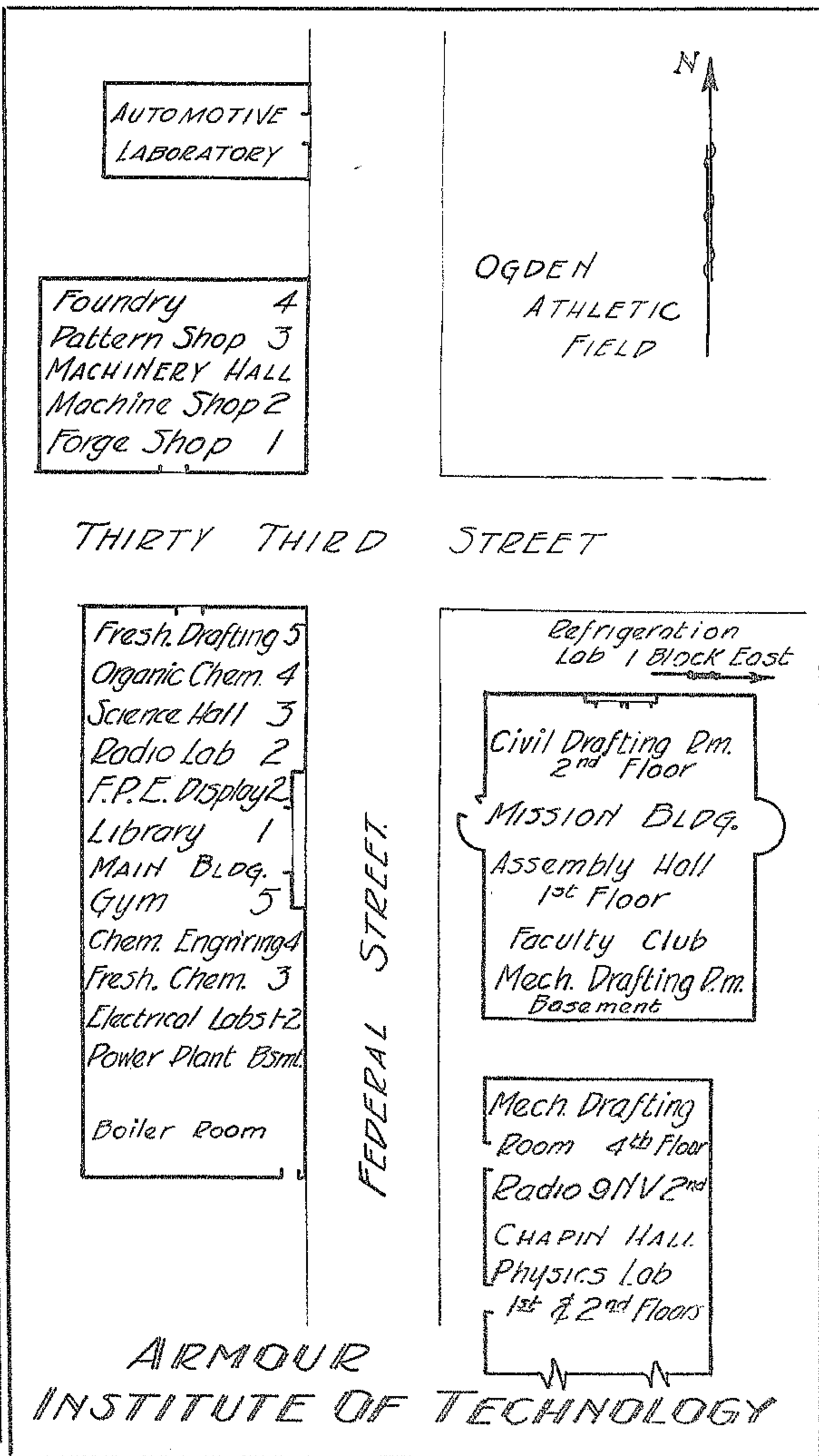
**Electricals Exhibit Marvels**  
The Electrical Engineering department has a series of surprises in store for visitors which they would not discuss before-hand. Among the most spectacular are a radio controlled car, an electric echo machine, a Jacob's Ladder, and a shocking machine. The radio controlled car will parade around the floor of the Electrical Engineering laboratory, guided by a radio control mechanism under the direction of a student. The electrical echo machine is a delayed speech device. One talks to it, and it returns his exact words a moment later. An exhibition of Neon tubes, giving many lighting effects will be seen in the Electrical Engineering laboratory. Also in the same room, will be run a test of an electrical cost meter, and a rotating field experiment. In the Dynamo laboratory, a series motor test and an oscillograph operation will be the features. An added attraction of the evening is a motion picture to be shown in the Electrical Recitation room.

**Chemicals Offer Variety**  
The chemicals, in their many labs, will offer a more widely varied program than ever before. In the Freshman lab, on the third floor of the main building, there can be seen the Chemical Garden and the Lead Tree. There will be demonstrations of osmotic pressure and spectroscopic analysis. There will be analyses made of iron ores and of baking powder.

In the Metallurgical lab., which is reached through the Electricity Lab. on the second floor, there will be shown the compounding and vulcanizing of rubber, and the assaying of ores for gold and silver.

In the Industrial lab. on the fourth floor the Juniors will have in operation a column still, a Swenson evaporator, and Sweetland filter press. There will be an exhibit of the treatment of city water by chlorination and the methods for testing the water supply. There will be six microscopes set up so that the bacteria present in the water can be readily seen. The preparation of washing soda will be explained in detail. The Seniors in the same lab. will have a complete exhibit of the manufacture of paper, starting with the wood pulp and ending with finished writing paper. They will also show the methods of producing gasoline and lubricating oils from crude oil.

(Continued on page 8)



## HOME CONCERT TO BE IN MISSION BLDG. WEDNESDAY NIGHT

### Musical Organizations and Fraternities Perform for Visitors

The annual Home Concert will be held Wednesday evening, May 15, at 8:00 o'clock. The Band, Glee Club, Orchestra and Stress and Strains will be featured, the Inter-Fraternity Sing causing a little variety in the program. The program is as follows:

- The Band:**
- "Harmony Queen"—Overture D. Coate
  - "Knights of the Road" F. K. Huffer
  - "The Golden Dragon"—overture K. L. King
  - "Washington Post March" J. P. Sousa

- Glee Club:**
- "Where'er You Walk" Handel
  - "Eldorado" Protheroe
  - "The Blind Plowman" Clark

- The Orchestra:**
- "Zallah"—An Egyptian inter-mezzo W. Loraine
  - "In the Clock Store"—Descriptive Fantasia C. J. Orth

- Inter-Fraternity Sing:**
- Glee Club:**
- "The Perfect Prayer" Stenson
  - "Song of the Marching Men" Protheroe

- Stress and Strains:**
- "Ole Man River" Bliss
  - "Love Me or Leave Me"
  - "Gypsy"
  - "Chicago Rhythm"

- Orchestra:**
- "Shades of Night—Intermezzo A. Friedland
  - Selections from "The Red Mill" M. Franklin

- Victor Herbert**
- Frank Aste is leader of the Band.
  - Don Williams is director of the Orchestra.
  - Dr. Protheroe is leader of the Glee Club with J. Higgins assisting at the piano.
  - E. M. Craig is director of Stress and Strains.

The order of the fraternities singing was determined by placing slips of paper with the different names on them in a hat and drawing them out for their order.

Dr. Raymond, Dean Palmer, Dr. Protheroe and Prof. Lee, faculty adviser for the musical organizations, will be the judges in the Inter-Fraternity Sing.