



## RECORD CROWD ACCLAIMS HEALD

### Open House Has Largest Crowd Ever to Attend

They came, they saw, but what they did afterward we can not say. At any rate, Armour has had another very successful Open House. Everyone present apparently had a very enjoyable evening for themselves wandering among the many technical exhibits. No official count has been given out to date, but the total attendance is estimated at over 5,000 people. As a result of the huge crowds and increased interest it is hoped that in the future Open House may be extended over more than one day.

#### Organic Lab—A Hit

Among the most interesting and best regarded of all the various exhibits was the organic chemistry display, J. R. Meyer is to be congratulated on his excellent managing of the entire program which included several topics of importance. One of the main subjects was the polaroid disc exhibit to demonstrate the possible use of polarizing glass in the headlight lenses and windshields of automobiles. The effectiveness of polaroid was shown in quite a striking fashion by having a bright light placed behind the two disks and then rotating one disc. When the polarizing planes came into mutually perpendicular positions the light became a deep purple with no glaring properties at all. Motorists were especially impressed by this as night glare from headlights is one of the greatest hazards to drivers.

#### Antiseptics Displayed

On the other side of the lab was a display of several modern antiseptics. Henry Newman was in charge of this and was engaged in the preparation of Chloramine-T, sold under the name of Chlorazine. Others of the bug-killers on display were metaphon, a mercury compound, and a benzene derivative. The preparation of aspirin, titration indicators, perfumes and essential oils were also going on. The usual odor of nitro-benzene that prevails in the lab was overpowered by the vapors of oil of cloves, wintergreen oil, and several other pleasant smelling substances.

Taking a drop down to the third floor, the freshman lab was working at the usual analyses. Osmosis was neatly shown with a parchment bag and a sugar solution, while the spectacular hydrogen fountain was demonstrated by means of the clay cup and Kipp generator. Many of the visitors expressed considerable interest in these exhibits of molecular phenomena.

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### Senior's Farewell Smoker At Lawson 'Y' Thursday

As a finale to its four years of social life at Armour, the senior class will hold a farewell smoker at the Lawson Y.M.C.A. Thursday evening, May 19. An interesting program has been arranged to entertain the class from 8:00 to 11:30.

Professor J. J. Schommer, referee, good fellow, after-dinner speaker of wide reputation as well as professor of chemistry, will "talk to the boys" as a part of the program. Several reels of movies are to be shown and arrangements are completed for cards and tables. R. Worcester, chairman, has made it possible to use the swimming pool at no extra charge. Towels will be furnished and suits will be unnecessary.

All seniors attending will of course have free smokes (nickel cigars?). The tickets are only fifty cents and may be obtained from members of each department. Inasmuch as this represents the last chance for the graduating senior class to gather together, it is suggested every man of '38 be on hand for one swell evening.

### Junior Week Takes Leave With Memorable Junior Informal Friday Night

With the moon flooding the drives of the Olympia Fields Country club, the Armourites brought a close to the Junior Week festivities with the Junior Informal.

Upon entering the club, the dancers were faced by an immense lounge, colorfully decorated, and furnished with thick carpets and divans. The lighting was soft, but colorful, as the many spring colors passed beneath them.

Walking through the lobby of the club and into the ballroom, the engineers were thrilled by the spacious room with a polished floor. It was not long before the ballroom was filled with dancers; not crowded, but just a gay crowd.

Gay Claridge and his popular orchestra furnished the dance music from nine until one.

Attending the dance were the following: Professor and Mrs. Hendricks, Mr. and Mrs. Allison, Mr. Schreiber, Miss Nitchin, Mr. Ahern, and Mr. Potter.

The engineers and their girls were very proud to display the small bracelet that was attached to each black and silver bid. The committee in charge of the dance arranged all the details to have this year's Junior Dance, not only the most successful, but the gayest dance of the year. The chairman of the entertainment committee, B. Anderson, is responsible for the success of the dance with the assistance of I. Footlik, E. Mitchell, and D. Jacobson.

### Sophs Win Rush 9-7; Rotten Egg Barrage Upsets Frosh Plans

In the hardest fought and closest battle held in many a year the sophomores defeated the freshmen in the annual rush by a score of 9-7. Before the fight there were many small and inconsequential fights, but most of the underclassmen saved their energy for the rush.

It was no uncommon sight to see both freshmen and sophomores running around without pants or shoes. The rush began at the drop of a handkerchief and ended at the firing of a gun at the end of ten minutes.

There was a newsreel truck on the lot taking moving pictures of the fight. Besides the newsreel cameramen there were many other people taking candid shots of the battle.

When the handkerchief was dropped the sophomores advanced on the bags in the center of the field, and the freshmen, with a barrage of comparatively fresh eggs. After the egg barrage the upperclassmen had a little egg-tossing contest of their own with some not-so-fresh eggs. As a matter of fact the eggs were so "un-fresh" that two chicks hatched out.

At the close of the rush the frosh gave a cheer for the sophs, and the sophs gave a cheer for the frosh. A bonfire was made out of the bags and both classes held a snake dance around the fire.

After it was all over there was much handshaking and verbal bouquets were thrown around and both classes parted friends.

### Twenty-five 'Nighthawks' Visit Edison Power Plant

An inspection trip of the Fifth Street Power Plant of Commonwealth Edison was taken last Saturday morning by a group of Armour "Nighthawks." The group was conducted by Mr. Frederic Oakhill, honorary director of the evening students' association.

Inspection trips are a regular part of the activities of the "Nighthawks." This one was limited to twenty-five members; the first to apply were accepted.

### "Nighthawks" Hold Dance Saturday

Next Saturday evening the "Nighthawks" will hold the first dance since their organization. At 9:30, Lou Brownie's orchestra will begin the evening's dancing for the 150 couples in the French Room of the Drake Hotel. Dancing will continue until 12:30 for the cozy group. Honored guests for the evening will probably include President Heald, Prof. Moreton, Mr. Oakhill, and Mr. Munday.

The committee in charge of the dance includes H. Lynette, A. Simandl, and L. Faltelson. All arrangements for the dance have been made by the above men. The bids have the Armour "Nighthawk" on the front cover. The inside of the bid is artistically set with gold lettering on white paper, while the outside flaps are of a bright gold finish.

The dance is to be purely a social affair and will not be operated for profit. It is planned by the group to be an annual affair.

### Delt 'Class-pushers' Win Interfraternity Marbles

Inter-class and interfraternity marbles, the new addition to the Junior Week family of events, went over with a bang. It was surprising the enthusiasm with which this battle of knuckles was accepted; everybody seeming to want to be on the teams.

The Deltas had a fine aggregation of glass-pushers entered in the interfraternity contest, and consequently won with a sum total of fourteen marbles. Runners-up were the Phi Kaps, who connected for a count of eleven mibs.

Junior-senior marbles also brought out a large crew of former schoolyard champions. The seniors trounced the juniors badly by the score of twenty-seven to eighteen. The high man in both competitions was junior marshal Tom Clark. In the interfraternity competition Clark managed to knock out seven of the fifteen marbles competing against six other knuckle-downers.

### New President



Photo by Grunwald

Mr. H. T. Heald, President of Armour Institute of Technology, reading one of the many congratulatory telegrams he received last Wednesday and Thursday.

### Circus Day Provides Hectic Afternoon for Student Body

Last Friday, the annual Circus Day and Pageant, given by the various fraternities, in cooperation with the four classes as a part of Junior Week, was held. The award for the best skit put on by a fraternity went to the Phi Pi Phis. Their efforts, opening the procession of skits, was titled "Snow White." Their scenery for the production was a synthetic fairy castle. The witch, Snow White, the fairy prince and the seven dwarfs were all aptly played. Sound consisted of a chorus of offstage voices who fitted parts of various songs into each situation instead of actual dialogue.

Pi Kappa Phi followed "Snow White" with the "March of Armour." This playlet dealt in a humorous way with the life at Armour, from the days when "thirty-third and the tracks" was the gold coast of Chicago, down to the present day. Sound was enhanced by a public address system.

Theta Xi presented "Six Stages in the Life of an Armour Student." It depicted the freshman student with his 24 inch slide rule clear through to his senior days with a six inch slide rule, and also beyond his graduation when he reached his ultimate—a job with the W.P.A.

Rho Delta Rho painted a vivid picture of school life at Armour with coeds present. It stressed the point of library fees, with books that could be taken out for one minute, 30 seconds, 15 seconds, and finally books that were due in one second. The poor student finally had to resort to turning his shoes, shirt, pants

and underwear over to the cashier to pay the enormous fines.

Triangle fraternity presented "Mr. and Mrs. Dope and Their Son Dopey," and in a novel way showed little Dopey being put through the mill with tons of math, physics, mechanics and what not. It showed how the poor student's father pays and pays—\$5,000 for the crippled teachers' fund, \$6000 for activity fees," etc.

Delta Tau Delta presented "Armour Hall Tonight," and mixed in with it various news events of the happenings of students. Action was

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### Alpha Chi Sigma Initiates Nine Chemicals Sunday

Five junior and four sophomores will become members of Alpha Chi Sigma, professional chemical fraternity, next Sunday, May 22, when the Armour chapter holds its semi-annual initiation ceremonies. The nine new men who are completing their pledge duties and preparing for their examination this week, are as follows: L. A. Bain, E. D. Gryglas, W. A. Hofmann, E. N. Isakson, and J. J. Ratto, juniors; R. Collopy, J. Fahey, E. Gruca, and R. Petri, sophomores.

After the initiation ceremonies a supper will be held for the new and old members in a private dining room at De Met's. The group will then spend the remainder of the evening at a play.

### School To Award Ten Scholarships Saturday

Saturday, May 21, the annual scholarship examinations will bring 198 outstanding students of the Chicago area together for the competitive examinations.

Ten scholarships will be awarded on the basis of (1) personal interview (2) written examination. The personal interview has been made by the members of the scholarship committee, which is composed of the following members of the faculty: Bibb, Davis, Kelley, Manley, Sear, Seegrist, Sprague, and Winston. The members judged the students on personality, scholastic record, extra-curricular activities and general fitness. Those students residing in distant cities have been interviewed by Armour graduates. The competitive examination will be given under the sponsorship of the principal of the school which the student is attending, thus eliminating the necessity of transportation to Chicago.

The Junior Marshalls will act as ushers and proctors, as in the usual practice. The fraternity chapters at Armour will act as hosts to the scholarship students.

### Wells Discusses Aviation Topic On C.E. Series

"Lighter Than Air Craft" was the subject discussed last Saturday evening by Professor M. B. Wells over station WCFL. The program was the ninth of the civil engineering section of the applied science series sponsored by Armour Institute.

In presenting his topic Prof. Wells first explained the significance of his topic and its meaning. He then spoke of the two essential features—a space occupied by a gas lighter than air and an envelope to enclose this gas. These two features in the proper proportions to give a resultant lifting force are the basic constituents of any air craft.

Hydrogen and helium were then spoken of in terms of lifting ability, advantages and disadvantages.

One thousand cubic feet of hydrogen is capable of lifting seventy-five pounds, whereas an equal volume of helium can lift seventy pounds. Since hydrogen is explosive, however, it is not employed as extensively as is helium.

Continuing, Mr. Wells explained the difference between balloons and dirigibles. "A dirigible," he said, "consists of a balloon or balloons equipped with control devices and with power that enables them to be navigated in any direction and at different altitudes. A free balloon, on the other hand, can be controlled only with reference to altitude, the direction of its flight being dependent upon the direction of the wind at the altitude determined by the pilot."

The balloon was then spoken of in reference to its application and navigation. Wind directions are found by a so-called pilot balloon, while wind velocities are determined at the various altitudes. Commercially the balloon is practically useless. Today its applications are only in the field of sports, where it represents the highest test of a pilot's skill, knowledge, and courage, and in military organization, where it acts as a training course for men.

Three types of dirigibles were then spoken of: the non-rigid dirigible, in which the power car and space for passengers are combined and suspended from a gas cell, which is of streamlined shape; the semi-rigid, which has a similar gas cell but is stiffened or braced with a girder.

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### Heald Receives Congratulations For New Office

Surrounded by congratulatory bouquets, President H. T. Heald assumed the duties of President of Armour Institute of Technology last Tuesday evening, May 10. The office, which President Heald has been administering in the capacity of acting President since last October 12th when Dr. Willard E. Hotchkiss resigned, was unanimously voted to him by the Board of Trustees.

Scores of telegrams congratulating his appointment are being received from well wishers from all over the country. The President's Office had been receiving visitors all day Wednesday and was jammed Open House Night with visitors extending their congratulations.

#### Vocal Endorsement

The popularity of President Heald among the members of the faculty and student body was demonstrated at the Annual Spring Concert of Musical Clubs and Interfraternity Sing by an enthusiastic ovation given him as he was introduced by Head Marshal Janicek.

While no definite plans for Armour's future has been announced, a tentative remodeling program is said to be considered.

Among many of the bouquets received by President Heald was one sent with the best wishes of the *Tech News* staff.

#### Tibbals Made Dean

Dr. Tibbals received the appointment of Dean of the undergraduates at the same time that Dean Heald was made president. When asked concerning his appointment Dean Tibbals commented that his duties would go on as ever despite the change in title and that he is very content and happy at the opportunity offered to serve Armour and to work with President Heald.

Dr. Tibbals came to Armour in 1908 from the University of Wisconsin, where he was an assistant instructor in chemistry from 1902 to 1906. He attended Columbia from 1899 to 1902 as an undergraduate and then went to the University of

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### Phi Kapps Cop Sing At Spring Concert

Breaking the three-year reign of Pi Kappa Phi, Phi Kappa Sigma won the interfraternity sing last Thursday night. Their winning songs were "Loyal Sons" and the "Marching Song." The announcement was made by Prof. Finnegan. Presentation of the award was postponed until the cup arrives, because Pi Kappa Phi has won permanent possession of the trophy.

At this time President Heald was introduced for the first time at a public assembly. He was greeted by a huge ovation, and the entire student body honored him by standing.

The orchestra and glee club offered several numbers before and after the sing. The solo work of R. Vandekieft, T. Yeakle, E. Katzl, and G. Danforth was featured by the group. This affair, with the Alumni Banquet, will have concluded a very successful season for the musical clubs. Included in the year were two radio broadcasts, one of them over the Columbia Broadcasting System chain. Two trips were also taken by them, one to La Grange and the other to Kankakee. The glee club will suffer heavily by graduation, but the orchestra will lose only three members. With this group as a nucleus a very successful season is hoped for next year.