



Z-140

First Primary For Posts On A.T.S.A. Held

Clarke and Sunde to Run For President

For the first time in the history of the Armour Tech Student Association, a primary election has been held to allow students desiring to run for office a place on the ballot. The nominating election was held last Friday in the lobby of the Main Building. Students were given the opportunity of voting for nominees for the office of President, First Vice-President, Second Vice-President and Secretary.

Successful aspirants for the offices of President are Jack Clark, who polled 229 votes, and Don Sunde, who received 139 votes. Other candidates were Art Hansen and Jim Fahey.

For the office of First Vice-President, Richard Larson, Charles McAleer, and Bob Sweeney will be candidates. This was one of the most closely contested elections with Sweeney totaling 107 votes, McAleer, 102 votes, and Larson, 91 votes. The other candidates were Frank Reh, 85 votes, R. Jacobsen, 66 votes, and W. Bauch with 44 votes.

Close Contest

Another closely contested office was the Second Vice-President spot. A total of eight men were potential candidates. Clayton De Ment, Francis Opila, and William Mackey, respectively, were chosen with 97, 88, and 82 votes being polled for the men. Other candidates were Tom Hunter, who received 68 votes, Ken Oldenburg, 31 votes, Bob Pedersen, 27 votes, Gene Worcester, 65 votes, and Dan Shaver, 43 votes.

For Secretary, Fred DeMoney and John Brierley received the approval of the students. DeMoney polled 226 votes against 87 for Brierley. J. L. Donoghue, with 61 votes, L. A. Goetz, with 56 votes, and J. T. Waber with 53 votes, also were candidates.

A final election will be held next Friday, May 19, when the offices mentioned will be filled. The interest in this election was shown by the number of votes cast. Of a total of 1100 students eligible to vote, 509 set their X's in the quarter inch squares.

Dean to Laud Ablest Lad and Lassies Tonight

A radically improved supercharged "kissometer" with twelve new thyatron tubes and an intensity comparison scale, flanked by Hedy La Marr and possibly Zazu Pitts, will receive top billing in the electrical exhibit in the student lounge this evening. It is understood that the lad and lassie registering the most "ability" will be personally congratulated by Dean Tibbals.

The A.I.E.E., which will be in charge of the electrical exhibits during open house, guarantees satisfaction to all comers. A complete color organ will be provided for the esthetically inclined. And for those "bread is the staff of life" disciples, a high frequency electric current will turn out a flood of fresh pop-corn. A horsepower tester will provide diversion for the self-made men.

Exclusively for the ladies, a combination complexo-blushometer in the dynamo lab will pierce the paint and determine the true texture of a cheese and cream complexion. With the help of a photo-electric cell, this instrument will compare the quality of the feminine visitors' lips, cheeks, etc., with recognized standards.

Long a favorite with open house visitors, the 1,500,000 volt Tesla coil will once again blaze in the glory of its 12 foot arc. The coil and other equipment including a photo-electric gun will be found in the fifth floor gymnasium.

Frosh To Battle Sophs in Annual Rush on Friday

Under the romantic haze of the filthy "yards" smoke and in the odor of the 33rd street tenements, the freshmen and sophomores will renew their traditional feud, in the class rush. In this subject the news pursues its policy of liberalism and defense of the underdogs, and overthrows all objections of the wily "sophs."

For the benefit of the freshmen, the scene of the fiasco is a placid interior of an iron fence, the Armour campus and ball field. The time is 3:30 Friday afternoon.

According to Hoyle, fifteen straw-filled burlap bags will be placed in the center of the field, an equal distance from the two opposing classes. Victory is attained by convincing the judges, at the conclusion of the rush, that the local goal contains the majority of full bags, and that the total number is not over fifteen.

Rush Lasts 10 Minutes

Ten minutes is to be given for this health promoting pastime, the remainder of the day being given to the difficult task of attempting to find clothes, enough at least to sneak home covered.

It is the express wish of the upper classmen that the affair degenerate into the usual ten minute "trick soph" victory, the ten hour ensuing egg fight and battle royal, and that the affair will be conducted in a manner most becoming a gentleman.

Since there is no rest for the wicked, the freshmen had better heed the hasty and furious preparation of last year's "suckers." Old clothes are the order of the day, and protection for all regions is urgently advocated. Weapons such as "billies" and marlin spikes and all such other "ad-justing" instruments are prohibited by law and by the faculty.

Camera Club to Hold Elaborate Exposition Of Prize Photographs

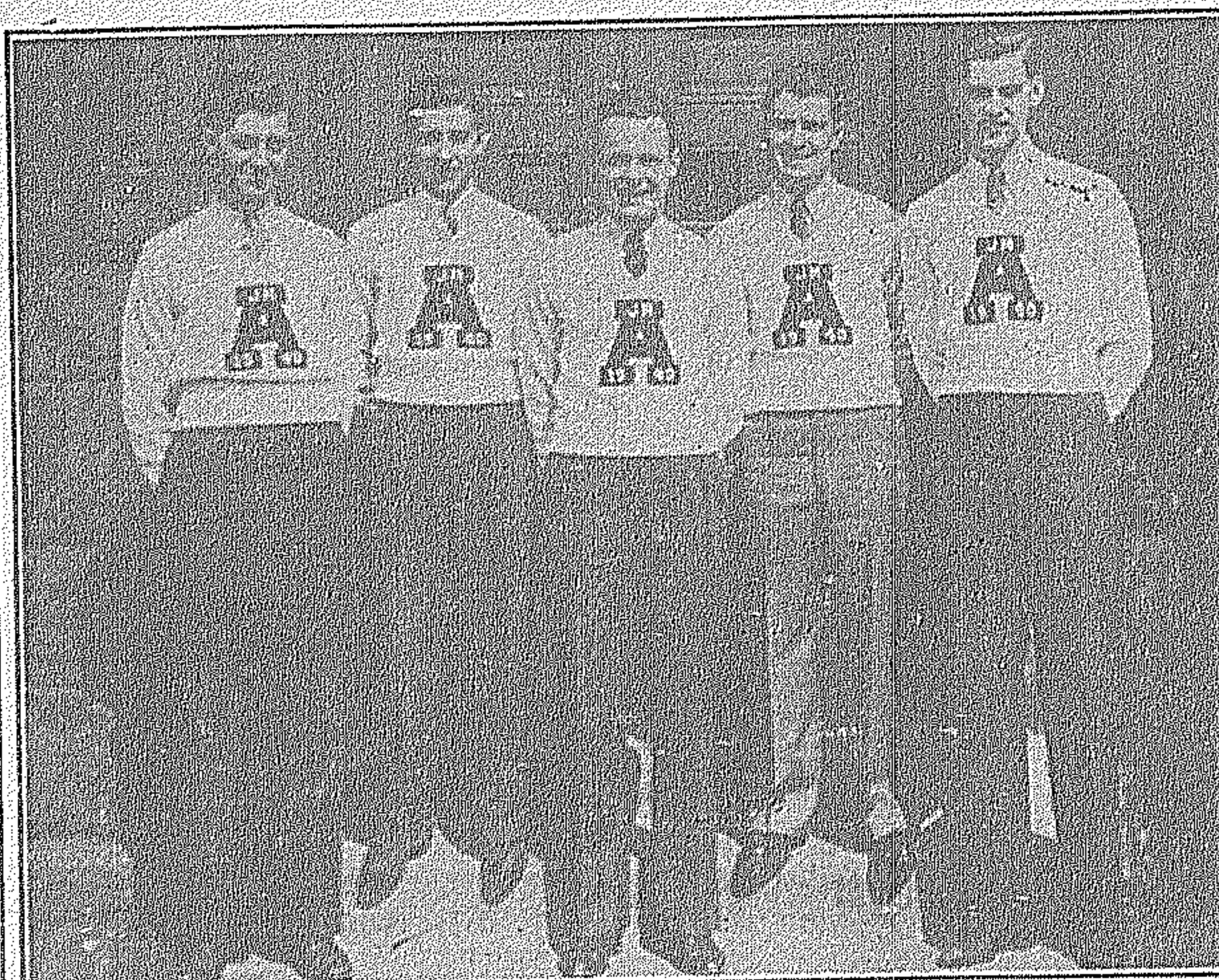
Photographs, large and small, esthetic and earthy, will decorate the library for the visitors at Open House. This year an elaborate plan has been carried out to arouse more interest in the individual pictures. The exposition will be divided into two parts, one including the prize winners of the past monthly contests, and the other a salon of prints prepared especially for Open House.

The pictures will be judged by the visitors to the salon. Each visitor will be handed a card when he enters, on which he may mark the number of the print which in his opinion is the best. The votes will be cast as the visitors leave the library. As an added feature of the salon this year, several demonstrations of photographic technique will be conducted in conjunction with the display.

SCHEDULE FOR JUNIOR WEEK

Tuesday, May 9
1:00 P.M.—Pentathlon.
Wednesday, May 10
3:00 P.M.—Open House.
Evening—Dance.
Thursday, May 11
9:00 A.M.—Freshman-Sophomore Baseball.
10:00 A.M.—Junior-Senior Baseball.
11:00 A.M.—Hobo Parade — Pie Eating Contest.
1:00 P.M.—Senior-Faculty Baseball.
2:00 P.M.—Interfraternity Track.
Evening—Spring Concert—Interfraternity Sing.
Friday, May 12
9:00 A.M.—Baseball Finals.
10:00 A.M.—Obstacle Race.
11:00 A.M.—Interclass Marbles.
1:00 P.M.—Interfraternity and Interdepartmental Pageant.
3:00 P.M.—Junior-Senior Tug-of-war.
3:30 P.M.—Freshman-Sophomore Rush.
4:00 P.M.—Award Presentation.
Evening—Junior Informal.

JUNIOR WEEK HOSTS



Five of the seven men who will lead the activities of junior week. Left to right are Ralph Erisman, mechanical; Dan Shaver, electrical; Jack Clark, head marshal; Don Mackey, civil; and Sidney Heenan, chemical. Not in the picture are John Eggers, fire protect, and John Cerovski, architect.

GREETINGS FROM PRES. HEALD WELCOME TO OPEN HOUSE

On the occasion of Open House, we attempt to give our visitors as broad a concept of the activities of the students of Armour as the limits of time and space permit.

Armour Institute has a vital part in the educational, industrial, and civic advance of our community and our nation. We are trying constantly to increase its usefulness, enlarge its field of service, and widen its influence.

It is a happy privilege to welcome you to the sixteenth annual Open House of Armour Institute of Technology.

Signed Henry T. Heald.

Chemicals Feature Exhibits in Various Labs This Evening

Open House Exhibits of the Department of Chemistry reached objectives on three fronts today, namely the Freshman, Organic and Physical Chemistry laboratories. Under the guidance of Professors Schand, Manley, Van Atta, and student directors, the laboratories projects have been completed and are ready for public inspection. It has been attempted as in previous years to correlate theoretical chemistry with commercial applications, and the projects were designed to bring out this point. The physical chemistry exhibition has as its theme "the Chemistry of Surfaces," which in turn is divided into three sections: gels, emulsions, and absorption on surfaces. Demonstrations will show such things as the determination of hydrogen ion concentration in gels, odor and color absorption with activated charcoal; (Continued on page six)

Math Open House Shows Spencer's Novel Math Book

A new Arithmograph explained and demonstrated by its inventor, Stephen Kroll, will be the central attraction of the Open House Exhibit of the Mathematics Department. The exhibit will be located (as it has been in past years) in the library. Seven thousand copies of this Arithmograph have been printed and will be distributed. By placing a ruler on the coefficients at the sides of graph, the roots of a quadratic equation may be read off accurate to three decimal places.

Professor W. A. Spencer's new book on analytic geometry will be displayed under the optimum conditions of lighting and position of the viewing screens. The book contains many figures in that new type of stereoptical pictures in which the red and the blue impressions are slightly displaced and not coincident. The image of the solid is then optically composed by looking through two differently colored screens.

The plastic models of common geometrical solids and their plane intersections, which were recently finished by John Catlin, will be on display. The models, machined from the plastic known as Catalin, required about a year to make.

Physics Show On Mechanics And Electricity

Two complete floors of mechanical and electrical displays will constitute the annual exhibit of the physics department being shown in the physics building this evening. First floor exhibits will include popular demonstrations shown in previous years, with innovations and improvements.

The new second floor exhibits will illustrate the nature and properties of X-rays. Optical instruments will reveal the nature of the spectrum and procedures in spectrum analysis.

Discharge tubes, both of the high vacuum and gas filled types will provide an interesting exhibition of the behavior of electrons and ions in electric and magnetic fields. An active nitrogen electrodeless tube will also be demonstrated.

Sound wave apparatus will show the wave forms of the voice and of musical instruments, while other apparatus will show how sound waves bend around corners and how they interfere or reinforce each other.

Another demonstration will be a much publicized method of detecting lost radium. Radium rays will be detected and measured, while apparatus for handling radioactive gases will be on display.

Electrical Phenomena

Electrical exhibits include a spectacular demonstration of smoke precipitation by high voltage, high frequency induction furnace, the currents produced by thermo-couples, and their applications will all provide interesting demonstrations.

The physics department will also show several experiments on large magnetic fields, intended to show their forms in space, and a jumping ring demonstration of induced currents.

The stroboscope will be demonstrated with its practical applications as well as its more spectacular phases and the phenomenon of polarized light and of fluorescence is shown in another interesting exhibit.

Along more mechanical lines, experiments will be made to demonstrate the actions of gyroscopes and the properties of spinning bodies. The pneumatics exhibits will demonstrate Bernoulli's principle—explaining the curving of a baseball—with several interesting experiments.

Junior Informal To Be Held At Itasca Cuntry Club This Friday

Mechs To Feature Spectacular In Open House Week

Tonight Armour's Mechanical Engineering Department offers one of the most complete and elaborate exhibits of its regular daily activities that has even been displayed for the benefit of visitors. All shops and laboratories, including the Welding and Heat-Treatment Shop, Machine Shop, Foundry, Automotive Engineering, Materials Testing, Metallurgical, and the Experimental Engineering Laboratories, are scheduled to be in full operation.

Students conducting experiments in the laboratories or operating machinery in the shops will explain the intricate operations involved in each case, and they will be happy to answer all questions of the visitors.

On the first floor of Machinery Hall both electric arc and oxy-acetylene welding operations will be performed and modern methods of heat treatment will be demonstrated.

Machines in Operation

Practically all machines in the Machine Shop humming, and the students operating them will be working on their required projects.

Molten metal, flowing from a ladle into a mold will be the spectacle observed among the functions of the foundry. Experiments and tests determining the quality of foundry sands, floor and bench molding, and core making will also be demonstrated.

A new innovation in garage testing equipment, the Sun Carburetor Indicator, will be operated by mechanical engineering students of the junior and senior classes in testing cars of visitors in front of the Automotive Engineering Laboratory. A novel feature of this instrument is that the speed of the engine can be (Continued on page six)

Frats To Vie In Junior Week Skit Contests

Junior Week always finds the fraternity men ready to drop the books and take part in the many activities scheduled for this period. This year is no exception and with weeks of preparation behind them, the fraternities are anxiously awaiting the actual contests.

Interfraternity competition opens Thursday afternoon with the relay and track events. These contests have always been bitterly fought, but Phi Pi Phi has dominated the field for the last few years. This year Phi Kappa Sigma, Pi Kappa Phi and Delta Tau Delta have been pointing for this meet and the competition promises to be stiff.

Thursday evening the fraternities will compete for the Sing Trophy. This competition was won by Phi Kappa Sigma last Junior Week, but the Pi Kaps have hopes of regaining the trophy this year. A win for the Pi Kaps would give them permanent possession of the cup.

Marble Tournament

On Friday morning the men will be knuckling down to marbles to determine the "mibs" champion. This contest was so well liked last year, when the Deltas triumphed, that it is being repeated this Junior Week.

A traditional interfraternity competition, that arouses the interest of the whole student body, is the stunt competition. The skits will be put on Friday afternoon at Ogden Field, just before the Sophomore-Freshman Rush. Phi Pi Phi's laugh provoking "Snow White" was adjudged the winner last year, but they may not repeat as Sigma Alpha Mu, Triangle and Rho Delta Rho have spent much time preparing for this contest.

The Junior Informal Dance on Friday evening will be the wind-up of this Junior Week, crowded with so many interfraternity activities.

Henry Senne's Orchestra To Play For Dancers

Smooth music, soft lights, a touch of spring, a lovely lady in your arms, a romantic setting with trees; rambling lawns, flowers, sheltered chairs all mean only one thing—the Junior Informal. Climaxing the activities of Junior Week, the Informal is the last of the dances for this year and is usually the best of the dances, for it invariably is a country club dance and what can compare with a country club dance on a balmy spring evening?

New Type Bid

This year the Junior Class is heading west, and the place chosen is the Itasca Country Club, which is located near the Medinah Country Club. Music will come from the band of Henry Senne, well known in and about southern Chicago for its smooth rhythms. The bids and the surroundings will help to provide the necessary atmosphere for all of the colors will be those of spring. A new innovation is the idea of double favors. In the past the custom has been to provide favors for the girl and leave nothing for the fellows but now favors will be provided for both the fellow and his date. Don Charlton, junior social chairman, has not revealed what the favors will be but he has dropped hints to the effect that both are well worth having.

Bids Cost \$1.75

As in the past, the bids are modestly priced, the cost of this year's Junior Informal is \$1.75 per bid. Bids may be purchased from Don Charlton, the various social chairmen, or from any of the students who are trying to sell 9 bids and get one free.

Routes to the country club will be posted on the bulletin board this week. Cars are a necessity but plenty of parking space is available with a nice moon out no one should object to a pleasant drive in the country.

Building Materials And Methods To Be Exhibited By Civils

Construction materials and methods together with an exhibit in highway engineering comprise an important part of this year's Open House exhibit in the civil engineering department.

Various types of building materials are exhibited on the third floor in the last entrance in Chapin Hall. Different types of brick construction are shown in a built-up panel in one wall. Timber connections for heavy work are exhibited in a section of a column and adjoining beams. Different types of interior finishes such as Masonite, Celotex, and pressed wood are on display. Sections of steel beams mounted on panels show the types of materials used in steel structures. Models of several different types of bridges are also shown.

Student design work on bridge work, and building design are exhibited together with an excellent collection of photographs of steel operations.

Show Safety Devices

Highway engineering is the basis of the material on display on the first floor of Chapin in room 114. Driver test equipment furnished by the Chicago Motor Club enables the visitor to be tested for reactions that are constantly called into play when driving along the road. A model of a treadle operated intersection signal is shown also. Displays of student work with various reflector signs complete the display.

Filtration of water on a scale large enough to supply a small town is carried on in the filtration laboratory. Large settling tanks on the second floor carry water to the sand filter where it is pumped to storage tanks in the basement.