



Vandekieft Wins Vice-Presidency in A.T.S.A. Ballot

Dunbar Will Succeed Heike As President

R. N. Vandekieft, a sophomore, was elected first vice-president of the Armour Tech Student Association in a hotly contested election held last Friday. C. W. Dunbar will automatically become the president, advancing from the office of first vice-president, to which he was elected a year ago.

W. J. Chelgren, a junior, was elected to the office of second vice-president, and E. Loutzenheiser, '39, will be the new secretary. Three hundred and sixty-five votes were cast in this election which is reported to be one of the closest in years.

Vandekieft's election is significant in that this is his first year at Armour. He has become well known through his activity on the track team and as a member of the Phi Pi Phi fraternity. Chelgren, who was secretary of the organization last year, merits the position of second vice-president on the basis of his all around activities as a student leader. Loutzenheiser has been outstanding as a scholar and as an officer of Triangle Fraternity. Dunbar, who is the present first vice-president, according to the constitution of the organization, is automatically promoted to the office of president.

The outgoing officers are E. A. Heike, president; C. W. Dunbar, first vice-president; W. A. Chapin, second vice-president, and W. J. Chelgren, secretary.

Record Number Are Expected at Frosh Scholarship Exams

Increasing interest in the competitive scholarship examinations is evidenced by the great number of candidates that will take the tests on Saturday, May 22, at the Institute. Up to date, 125 applications have been filed of whom one hundred have been interviewed. Open House each year accounts for many applicants. To care for new candidates, the freshman scholarship committee is holding office hours this afternoon and evening.

These scholarships provide tuition for the academic year 1937-38. The awards will be based upon a rating determined by competitive examinations, and by consideration of the personality, scholastic record in high school, extra-curricular activities, and the general fitness of the candidates. The examinations consist of a personal interview and a written examination in mathematics, physics and chemistry.

A new selection method having been inaugurated, candidates for four year five protection engineering scholarships will take examinations this year. There are more than forty applications on file already. Appointments will be made by the F. P. E. scholarship committee headed by R. M. Beckwith of Western Actuarial Bureau. The grades in the competition will be furnished to this committee by the freshman scholarship committee of the Institute.

Finnegan to Address N.F.P.A. This Evening

Professor Joseph B. Finnegan, director of the option of Fire Protection Engineering, will address the first general session of the forty-first annual convention of the National Fire Protection Association this evening in the Congress Hotel. His topic will be "Fire Protection Engineering as a Profession."

Professor Finnegan opens his address by stating that fire protection engineering is a vocation which merits the rating of a profession. He further goes on to say that although the purpose and ends of the profession may be very simply defined, the means that must be used in attaining these ends may tax the resources of even widely experienced men.

Fraternities Will Welcome All to Annual Open House

Repeating their open house of last year, the social fraternities at Armour will again entertain students and their friends at open house dances tomorrow night. Each fraternity will have an open radio dance at its house from 8:30 to 12:30 o'clock and all students with dates are cordially invited to attend.

This will be the second Annual Interfraternity Open House and is intended to acquaint non-Greeks with the social activities of the fraternities. It also provides a stimulus towards a better relationship between the fraternities and the general student body. At some of the houses special entertainment will be provided and refreshments served.

The following fraternities will hold open house: Delta Tau Delta, 3423 S. Michigan Boulevard; Phi Kappa Sigma, 3236 Michigan; Phi Pi Phi, 3131 Michigan; Pi Kappa Phi, 3337 Michigan; Rho Delta Rho, 3254 Michigan; Sigma Alpha Mu, 3333 S. Federal Street; Theta Xi, 43 West 33rd Street; and Triangle, 3222 Michigan.

Junior Informal Set for Saturday

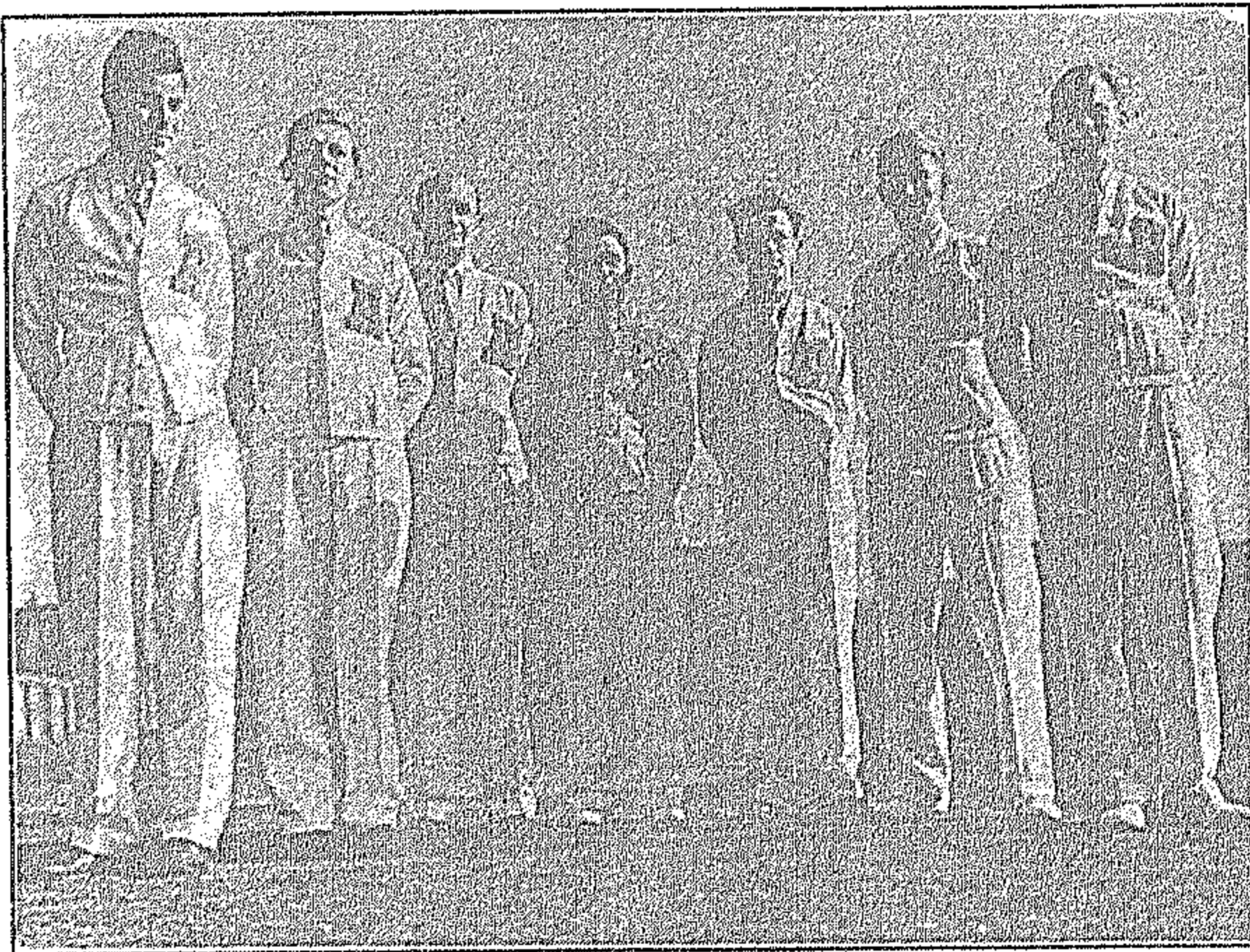
Keith Beecher and his orchestra, recently of the Continental Room of the Stevens Hotel, will afford smooth rhythmic music for the Junior Informal to be held at the Medinah Country Club May 15. This ten piece orchestra specializes in soft music, limiting "swing" to a few pieces.

The Medinah Country Club, chosen because of its beautiful surroundings and ample facilities, includes a veranda ballroom. Should the weather become inclement, however, the interior ballroom is sufficiently large to handle all the dancers with ease.

Saturday has supplanted Friday as the day of the dance to permit a greater number of students to attend. Dancing will be continuous from 9:30 until 2 o'clock.

The low price of the bid, \$1.75, coupled with the fact that this is the last open dance of the season, indicates a large gathering. At the present time there are over 400 bids circulating in the hands of the junior classmen. Bids may be secured from members of the social committee or the junior marshals.

Junior Marshals of '38



Reading left to right—J. D. Sheehan, E. F. Wagner, R. M. Faust, C. L. Basile, W. Litwin, C. K. Nauman, F. I. Hohenstreich.

Students Discard Textbooks for Thirty-Second Annual Junior Week

Hobo Parade to Lead Week's Festivities

With a sigh of relief Armour students this morning tossed aside their books, forgot homework and quizzes, and energetically entered into the activities of Armour's thirty-second annual Junior Week. In tune with the holiday spirit which so characterizes the week, a hobo parade officially heralded the start of all activities. Gorgeously attired in anything from gunnysacks to threadbare B.V.D.'s these pseudo Weary Willies presented a sight to behold as they paraded before the appraising judges.

Following this event came the "Beaver Contest." In this beard-growing derby the smoothly shaven contestants this morning appeared before the judges. Next Friday they will reappear for an inspection of their verdant stubble provided they escape arrest as vagrants in the meantime.

Frat Open House Tuesday

Starting at 8:30 Tuesday evening will be Fraternity Open House. All visitors are cordially invited to treat their lady friends to an inspection of the participating frat houses. Phi Kappa Sigma, Delta Tau Delta, Theta Xi, Phi Pi Phi, Sigma Alpha Mu, Pi Kappa Phi, Rho Delta Rho, and Triangle will welcome all visitors.

Schedule Freak Relay Race

The most important event of Wednesday will be the concert and interfraternity sing taking place in the evening at 8 o'clock. The numerous fraternities in conjunction with the Glee Club and Orchestra will present a musical program capable of delighting the most discriminating music lovers.

At 11:30 Thursday morning the junior-senior freak race will take place. Representatives chosen from each of the departments will compete in the freakiest race ever devised by the mind of man. It is rumored that the junior marshals worried themselves to a frazzle concocting these nightmares in the realm of sports.

Study Bituminous Coal

At 1:30 the pentathlon will be run. Competition will here be divided into two divisions: trackmen and non-trackmen. Those who are now on the track team and have not received a letter in track are eligible to compete in either division. However, if they compete in the non trackman division 1% of their total score will be deducted for each point which they have earned towards a track letter. Scoring in the pentathlon will be conducted as follows:

Each man will start with 1000 points in each of the five events. Points will be added or subtracted (Continued on page three)

Athletes to Banquet Next Thursday Night

George Halas, owner and coach of the Chicago Bears, and Pat Flanagan, famed radio announcer, will speak at the banquet of the Armour Tech Student Association, which will be held Thursday at 7:00 p. m. at the Union League Club, located at 65 W. Jackson Boulevard. The toastmaster will be John J. Schommer, athletic director.

At the banquet Honor A keys will be presented to the ten pledges: J. Dunne, P. F. Henriksen, W. E. Kruse, L. Loguillo, P. L. Moore, J. F. O'Connell, H. S. Ruekberg, J. E. Shanahan, N. F. Simeon, and C. H. Skuza.

Halas is a former star at the University in basketball, football, and baseball. He was one of the early organizers and players of professional football.

Dr. A. O. Walker Appointed to Research Foundation

Increasing their steadily growing personnel, the Research Foundation has recently added Dr. Alfred O. Walker to its staff. Dr. Walker attained his Ph.D. degree in chemistry at the University of Chicago, where he has worked for the past two years as a post-doctoral fellow.

Dr. Walker will perform chemical analysis of various types in the already completed research laboratories. A private chemical laboratory will be provided for him in the near future.

Successful Year Ends for Armour Research Group

Completing its first year as an organized body, the Research Foundation has attempted to accomplish its aim to promote and develop an efficient corporation in order to increase the scope of work done by research projects carried on by individual workers.

The foundation was formally established in April, 1936, although it did not start functioning until September, 1936, when Dr. Thomas C. Poulter, senior scientist and second in command of the second Byrd expedition, took office as executive director. A recent survey of the various departments of the Foundation illustrates the developments which have been made.

Directed by Dr. R. D. Snow, the coal research project involves a detail study of the preparation and use of Illinois and Indiana bituminous coal. Assisting Dr. Snow is a staff of five to ten graduate and under-graduate students. The coal laboratories are located in the Research Building at 33-37 West 33rd Street. Also located in this building are the spectroscopic, high-pressure, X-ray, and filtration laboratories.

An investigation of the intensity and character of radiation from mantel type lamps and lanterns using gasoline and kerosene has been completed recently in the spectroscopic laboratory by Prof. W. W. Colvert. The instrument used was a specially designed quartz spectro-scope which enables one to study ultra violet and visible radiations. (Continued on page four)

Armour Tech Greets Visitors with Record Open House Display

All Departments Present Exhibits Illustrating Fundamental Principles Used in Engineering

STUDENT GUIDES TO ASSIST GUESTS

Spring Concert and Fraternity Sing Set for Wednesday Night

Next Wednesday evening at 8:15 sharp, director Gordon Erickson will lift his baton in readiness for the opening of the 32nd annual Spring Concert to be given by the Armour Tech Musical Clubs. The evident enthusiasm, which is building up among the student body and members of the faculty alike, offers great assurance that Armour Mission will delight in the presence of a capacity audience for this event.

Eight Fraternities to Sing

Following precedence, eight Armour social fraternities will vie for singing honors by exercising their vocal chords during the interfraternity Sing Program. This portion of the evening's event will be during the intermission of the Spring Contest. Judges for the occasion will be: Professor Emeritus C. W. Leigh, founder of Armour Tech Musical Clubs, Professor O. A. Hougen, Professor J. B. Finnegan, and Mr. J. G. Potter. Prof. Finnegan will present the circulating loving cup to the winning fraternity.

Pi Kappa Phi has taken the lead in this annual contest for the last two years and has high hopes of winning again this year. Phi Kappa Sigma, on the other hand, has a different idea as to the outcome. Its men have been practicing steadily on new and old songs for many weeks. Delta Tau Delta, Theta Xi, Phi Pi Phi, and Sigma Alpha Mu can all be considered hot contenders because their nightly rehearsals in preparation for the event give rise to high hopes and good performances.

Glee Club Featured

Those selections rendered by the Glee Club next Wednesday that deserve your particular attention are the following: "Cossack Love Song", a rapid Russian ballad which has the speed and delight of a smoothly running diesel engine; "On the Road to Mandalay", sung by Thomas Yeakle, Jr., baritone soloist, with choral accompaniment; "Animals", a rollicking negro spiritual, all about Noah, his (Continued on page three)

Presenting an elaborate display of modern technical exhibits, the thirty-second annual Open House welcomes its visitors tonight and cordially invites them to visit the departments of the Institute. All students performing in any of the displays will be glad to supply any information or answer any questions which visitors may ask. The mechanical engineering department's exhibits will be divided into six divisions: automotive lab, foundry, machine shop, mechanical engineering lab, refrigeration lab, and welding shop. Detonation, distribution, and vapor pressure tests along with extensive diesel and aero engine displays will be shown in the automotive laboratory. The foundry shop will give an exhibition of mold making, core making, sand testing, pouring of brass, iron and aluminum castings, and products formed in the foundry.

Show Machining and Cutting

Featured in the machine shop will be the boring of huge air-compressors, machining of automobile crankshafts, cutting of large bevel and spur gears, machine operations accomplished by surface and universal grinders, shapers, planers, and lathes.

The mechanical engineering laboratory will display the methods used in conducting tests of blowers, air conditioning cooling coils, high pressure water wheels, water flow measuring devices, steam engines, compound air compressors, compression, tension, and tension tests of various types of wood and metal. Operation of an ice-making plant and the compression tests of large specimens on a huge Olson testing machine will be part of the exhibit presented by the refrigeration laboratory.

Modern Chemical Practice

Also included on their program is a display presented through the courtesy of the Whiting Corporation. Various methods of different types of weldings and the preparation of metallographic specimens for microscopic study of crystalline structure will be shown in the welding shop exhibits.

Modern chemical applications and phenomena will be shown in the chemical engineering display. Problems (Continued on page four)

Dr. L. E. Grinter Appointed to Head the Civil Engineering Department

Dr. Linton E. Grinter, professor of structural engineering at Agricultural and Mechanical College of Texas, has been appointed director of the civil engineering department and dean of the graduate division at Armour beginning with the next school year. Although Dr. Grinter is only 35 years old he is one of the outstanding teachers of civil engineering in the country.

Has Published Many Papers

Many papers by Dr. Grinter have appeared in the Transactions and Proceedings of the American Society of Civil Engineers, the Engineering News Record, and the Journal of Engineering Education. He is the author of a recently published two volume text on modern steel structures.

His Bachelor's degree was received from the University of Kansas in 1923, and his Master's degree in structural engineering the following year from the University of Illinois.

His Doctor's degree in Engineering was obtained in 1926 at the same school.

After receiving his Doctor's degree Dr. Grinter obtained a position as designing engineer in charge of structural, hydraulic, and mechanical design for the Standard Oil Co. of Indiana. His next position was his present one with the Texas A. and M. obtained in 1928. Approximately half his time there is spent in graduate teaching and direction of graduate research.

Member of Tau Beta Pi

Dr. Grinter takes an active interest in the affairs of the Society for Promotion of Engineering Education and of the American Society of Civil Engineers, attending not only the local meetings but the national meetings of these societies annually. He is a member of Sigma Xi and of Tau Beta Pi.

Dr. Benjamin B. Freud of the chemical engineering department has been appointed dean of the evening division beginning next semester. He is at present chairman of the committee on graduate study, which will be replaced by Dr. Grinter as dean of the graduate division.



WELCOME TO OPEN HOUSE 1937

It is a happy privilege to welcome the families, teachers, and friends of our students, and those who may become students to our Annual Open House, and to welcome back students of other days.

On this occasion, we try to give our visitors as broad a view, as limits of time and space permit, of what it means to be a student at Armour. But it means something more than the courses and the activities in which the student participates; Armour 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 and widen its influence, and we want all of these who participate in this Open House of 1937 to gain from it inspiration and increased faith in the future of America.

WILLARD E. HOTCHKISS, President