



## GOODMAN THEATER SITE OF MUSICAL CLUBS' CONCERT

Under the sponsorship of the Faculty Club, the Armour Musical Clubs are presenting the second annual winter concert at the Goodman Theater on Thursday, February 25, at 8:15 P. M. Mr. O. Gordon Erickson, the director, is planning a program which is destined to surpass even the quality of last year's performance. New soloists, both instrumental and vocal, will supplement the program. Although the program is not as yet complete, Mr. Erickson promises one which will be found favorable by lovers of all types of music.

### Arrangement by Danforth

One of the most outstanding features of the evening will be the gleeful rendition of George Gershwin's "Summertime" from his musical comedy "Porgy and Bess." The arrangement of this selection was made by George Danforth, the club pianist, who is a sophomore architectural student.

### Guests at Hotel La Salle

In one year, the clubs have attained such a reputation that already the number of tickets is quite limited. Mr. Erickson urges all those who have not as yet obtained their tickets to get them from W. F. Schreiber as soon as possible as the available number is rapidly diminishing.

Mr. Erickson, feeling that the evening is not complete with the finale of the concert, has made arrangements for the Musical Club members and the guests to make reservations in the Blue Fountain Room of the Hotel La Salle after the concert.

## HOTCHKISS URGES INTERRELATION OF EDUCATIONAL USES

"Learning to live and learning to make a living have virtually the same objective," pointed out Willard E. Hotchkiss, president of Armour, in an article last Saturday in the Chicago Daily News. The article appeared on the Schools and Colleges page of the Daily News, a Saturday feature of that paper. On this page appear articles by leading educational authorities on current pedagogical problems.

In reconciling an apparent difference between learning to live and learning to make a living, Dr. Hotchkiss cited the two countries, Germany and Britain, which were held up at the turn of the century as exemplary of high standards in public service. In Britain, life proceeds on the assumption that a person trained in appropriate fundamentals will find his level in the field of activity he enters and will learn when the time comes to do what has to be done. In ante-bellum Germany, on the other hand, preparation for careers involved an effort to anticipate specialized techniques required and an effort to master them in advance.

### Tells Aims of Education

After a discussion of the relative merits of the two techniques, Dr. Hotchkiss stated that a definite effort is now afoot for educational methods to balance cultural and vocational objectives in such a way that learning to live and learning to make a living may advance hand in hand. Education has the task of developing the mind and helping to build the character and personality. It involves

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## Senior Jewelry Will Arrive During Week

Senior jewelry ordered several weeks ago will arrive this week, according to P. L. G. Moore, head of the jewelry committee.

Moore also said that orders for jewelry to be delivered within the next month must be placed with a member of the committee by the end of this week. This jewelry, which is standard school material, is on display in the school store with prices quoted.

## Honoraries Banquet At Adventurer's Club

About one hundred of the school's outstanding students were guests at the interhonorary banquet held last night at the Adventurer's Club, 14 North Michigan Boulevard. The banquet is an annual event staged for the honorary men of Armour Tech. The fraternities represented were: Tau Beta Pi, Pi Tau Sigma, Chi Epsilon, Phi Lambda Upsilon, Eta Kappa Nu, Salamander, Sphinx, Pi Nu Epsilon, and Honor 'A.'

Andrew N. Rebori of the Armour class of 1911 was the guest speaker at the banquet. Mr. Rebori is a well known architect of Chicago. Dr. W. E. Hotchkiss, Dean H. T. Heald, and Dean C. A. Tibbals were also guests at the banquet. Of particular interest to the banqueters was the arrangement of the exclusive club. Exhibitions from the darkest parts of Africa to the lightest part of Alaska are contained in the famous worldwide collections.

## New Frosh Given Orientation Tests

Orientation tests in mental ability, comprehension, vocabulary, mathematics, and science were given to the 118 incoming freshmen last Thursday afternoon. According to Dr. W. C. Krathwohl, technical director for the exams, the freshmen seemed to enjoy the tests, particularly after the newness were off, and a spirit of competition prevailed, each student trying to outdo the other.

The first test was a general mental ability examination, being the psychological examination of the American Council on Education. The second test was intended to find out how fast the student can read and yet comprehend what has been read. The reason for this test is that a student who can read and comprehend 400 words a minute can do his homework four times as fast as one can read but 100 words a minute. According to Dr. Krathwohl, ranges as great as these are common in all large colleges.

The third test was a vocabulary examination. The fourth was a quiz on the student's aptitude for mathematics, and the last part tested his scientific background, acknowledging the fact that a student seldom can make a success of engineering if he knows little and cares less about science in general.

Dr. Krathwohl said that the easiest test required to be the science test. This requires one and one-half hours, but most of the students completed it before the first hour. How well they fared, however, is not yet determined.

## Armour Eye Selects Hammett As Sponsor

Members of the Armour Eye, photographic club of Armour, its faculty sponsor at its last meeting. With this important step the club is now ready to go into full swing in the new semester. Their rooms in Chapin have been wired with electricity and equipped with running water so that the dark room is now in a much more favorable position than was the case several weeks ago. The members of the organization are being called upon to aid in the redecoration of the flat. Already great improvement has been made, especially in the dark room where Ernest Mehringer has completed the construction and installation of an enlarger.

Plans are being made to purchase an argon enlargement attachment which would enable the smallest of pictures to be made into ten square foot enlargements.

As a sincere interest in photography is the only requisite for admission, the president urges all interested students to join as soon as possible.

## E. Hartford to Speak to A.S.M.E.

Ernest Hartford, national secretary of the A. S. M. E., now on a nation-wide tour, will talk on "A. S. M. E. Activities and Student Branches" at the meeting to be held Friday at 10:30 in Science Hall. Mr. Hartford's present trip is in connection with an effort to stimulate interest throughout the country. A speaker from the Westinghouse Electric Company will probably be presented at the meeting in connection with a future inspection trip to their plant.

During the next few meetings, particular emphasis will be placed on student speakers since one must be picked for the A. S. M. E. Convention to be held in the early part of May. Northwestern will be host for the convention and Armour will handle all inspection trips. Other current business includes the arranging of plans to permit the cooperative students to be members. Each section of the cooperatives will have one representative on the executive committee. F. Hanneman, H. L. Appel, and M. J. Loftus have worked together in studying the connections concerning the part-time men.

"Boilers" was the topic discussed by H. S. Ruekberg, student speaker, at the A. S. M. E. meeting held last Friday at 10:30, in Science Hall. His speech was well illustrated by the use of slides.

## A. I. Ch. E. Hears Process Outline

An outline of the mechanical and chemical processes involved in the production of a large variety of corn products was given by Dr. Paul Bishop, director of research for the Corn Products Refining Company at Argo, Illinois, before the A. I. Ch. E.

Dr. Bishop explained that although many mechanical processes are used, the industry depends largely on chemical principles. After the corn has been shelled and cleaned, the first operation is to dissolve the water-soluble matter in large steps. The grain is then torn apart and the central part, or germ is separated and dried. The oil is squeezed out and sold as Mazola, while the material left is used as Corn Oil Meal or cattle feed.

Cattle feed is now the most important by-product, and the main products are those made from the starch and gluten of the endosperm of the grain. After these two have been separated and purified, the gluten is used as feed or meal, while some of the starch is made into syrup and sugar products at the refinery. The remainder is milled to be sold as corn starch or is converted into pure dextrose, glucose for syrups or jelly, and a variety of other products.

Although many by-products are now being used as cattle feed, Dr. Bishop believes that continued research will find more profitable use for these corn products.

## Math Club Meetings Start February 26

Commencing February 26 the Math club will hold meetings every two weeks at 10:30 a. m., the place to be announced on the bulletin board. Dr. R. Oldenburger, professor at the Institute, A. M. Zarem, student, and another member of the faculty will be the speakers at the next three meetings.

Dr. Oldenburger will finish a lecture begun last semester and will illustrate it with slides. Zarem has done some investigating on calculating methods and has devised short cuts for more rapid calculation. The unannounced professor will be asked to slide upon the advanced use of the slide rule—the use of log log, CF, and other scales.

There are no dues, or pre-requisites to attend these meetings and everyone is invited. Interesting future discussions are predicted by club members.

## L. B. Parker and J. D. Sheehan Head 'News' Staff; Co-Editors-in-Chief for New Year

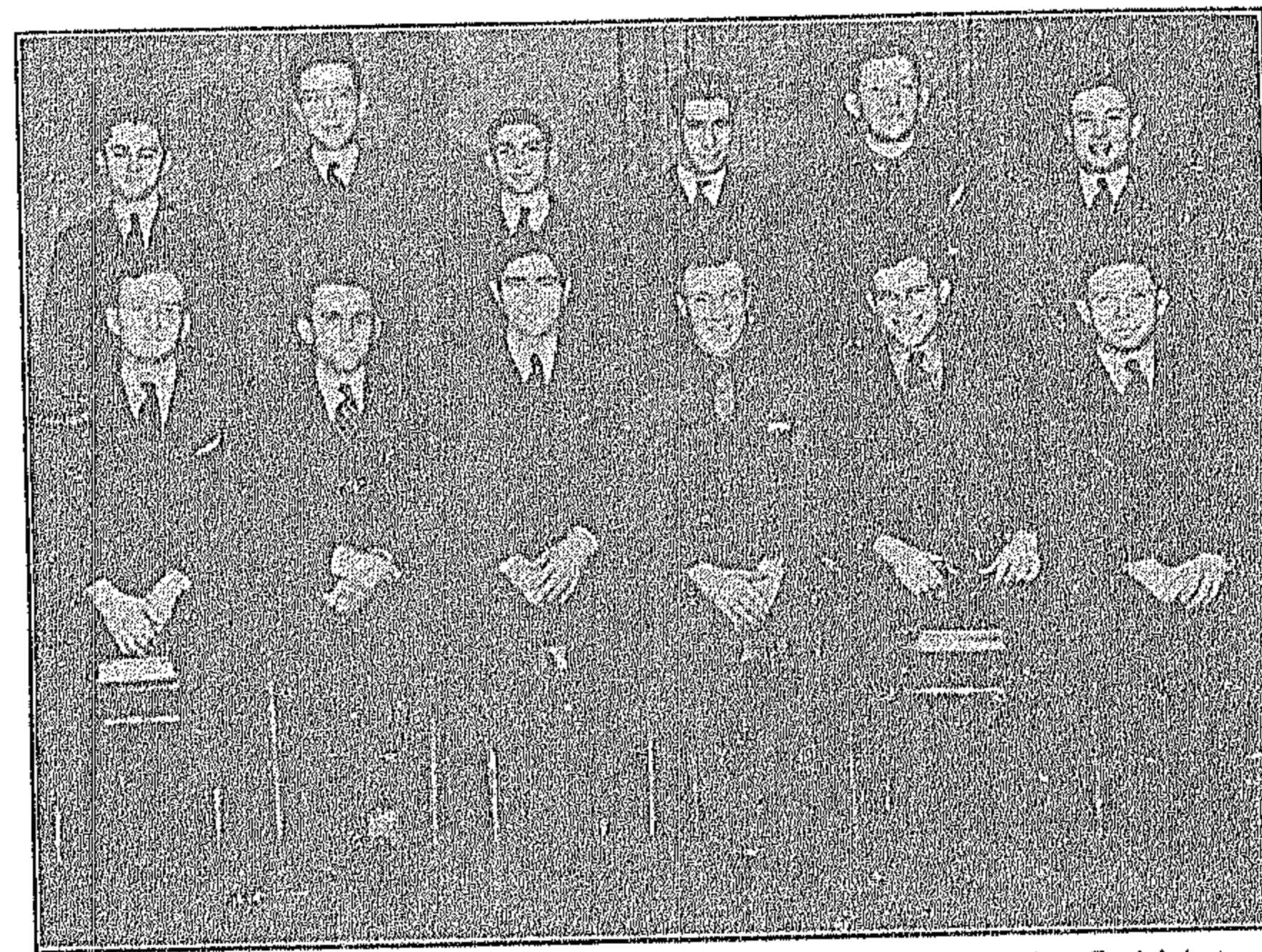


Photo by E. Mehringer

### RETIRING AND NEW EDITORIAL BOARDS

Front row, left to right: J. M. Kubert, E. J. Simek, N. Gerber, F. L. Leason, S. Rabinowitz, and H. O. Bauermeister, the retiring board. Back row: R. A. Braun, I. Thomas, L. B. Parker, J. D. Sheehan, W. J. Chelgren, and A. N. Schrieber, the successors.

## Cycle to Be Printed By Linden Company

The Cycle for 1937 is fast becoming a reality. It was announced last week by the staff headed by P. M. Martin, editor, that the Cycle budget and contracts for engraving and printing were approved at the last board meeting. The engraving contract was awarded to the Pontiac Engraving and Electrotype Co., which engraved the plates for several preceding editions, and the printing will be done by the Linden Printing company.

## SOPH DANCE TO FEATURE MUSIC OF TWEET HOGAN

The Irish are coming! Tweet Hogan and his dance orchestra will serenade the dancers at the Sophomore Informal in the Oriental Room of the Knickerbocker Hotel when the sophomores entertain their Armour friends there, Friday, March 5.

Unlike most of the "Irish" in this part of the country who gained their fame carrying the pigskin for old Notre Dame, this Irishman has made a name for himself in music. Hogan will bring with him an orchestra known all over the mid-west for its danceable music, clever novelty acts, and lilting voiced singers. In a few months this same orchestra will be featured on one of the big commercial networks under Tweet Hogan's baton.

### Many Successful Engagements

An imposing list of long run engagements at popular dance bright spots and leading hostilities form a strong argument for the Hogan brand of syncopation. Miralga Supper Club, Chicago; Channel Lake Pavilion; Hotel Lowry, St. Paul; Woodlawn Hotel, Lake Delavan, Wis.; and the Drake Hotel on Chicago's famous Gold Coast are among the many hotels and clubs that have featured Hogan's orchestra in addition to nightly broadcasts over WGN and NBC network.

Bids are priced at \$1.50 and can be obtained from B. G. Anderson, social chairman, and the members of his committee: W. A. Stuhler, I. M. Footlik, E. C. Mitchell, R. R. Tullgren, R. J. Jaffee, W. E. Kruse and H. S. Anthon.

All freshmen and sophomores who are interested in writing for the Armour Tech News are requested to report at the News office today or tomorrow at 12:20. No past experience is required. The office is located on the third floor at the fourth entrance of Chapin Hall.

## Spencer to Display Model's at Exhibition

Walter A. Spencer, professor of mathematics, will exhibit a number of his mathematical charts and solid analytic models in the foyer of the Grand Ball Room at the Palmer House, on Friday and Saturday, February 19th and 20th. These models are an integral part of the exhibition of the National Council of Teachers of Mathematics whose exhibition has been sponsored by the Men's and Women's Mathematics Clubs of Chicago and vicinity.

Professor Spencer's models have been highly praised by associates as well as students who have had the opportunity of observing his works closely. These models are the same that were exhibited in a lecture on "Mathematical Charts and Models," which was presented on November 20 at the Y.M.C.A.

At the present time, the charts are being cleaned and put into shape by Professor Spencer himself. The construction of these models has occupied much of the professor's spare time. At the moment he is experimenting with plastic and newly developed cellulose materials with which he hopes to improve his already highly perfected models.

Last year, while addressing the Math club, Mr. Spencer also explained in detail his method of preparing casts for such objects as elliptical parabolas. At this meeting he told how he prepares the plastics used for his models.

The meetings of this society are open to students, who are invited to attend the exhibition. In addition there will be presented the exhibition of work done in high school mathematics.

## Reynolds Leaves Lab; Will Do Optical Work

After six years of competent service as the physics laboratory assistant, Kenneth Reynolds yesterday left Armour to accept a position as a salesman and demonstrator of optical instruments for Bausch and Lomb Optical Co. In his new capacity Ken will extoll the merits of Bausch and Lomb products to companies and schools in and about the Chicago area. Replacing Ken as lab assistant will be his close friend, Dave McAfee, reputed to be a prince of a fellow as well as a demon instrument-handling.

Ken came to Armour after graduating from high school to compete with a half dozen other applicants for the job of lab assistant. He was given the job on a two weeks' trial basis, and has held the position ever since. He will also be remembered as a man of no mean vocal talent and with an extensive knowledge of physics apparatus which will, no doubt, prove valuable in his future work.

## Chelgren, Braun, Thomas Schrieber, Comprise Editorial Board

Landrith B. Parker, F. P. E. '38, and James D. Sheehan, F. P. E. '38, were named co-editors-in-chief of the Tech News last Tuesday night by F. L. Leason, retiring editor-in-chief, at the annual News banquet. Seventy students associated with the News and several professors attended the banquet which was held in the Stevens Hotel.

### Leason Announces Staff

After the tables were cleared and several impromptu speeches were made by the retiring editorial staff, Fred Leason announced the new staff positions to the waiting assemblage. The new editorial board selected to assist Parker and Sheehan dictate news policy and edit the news are as follows: W. J. Chelgren as the news editor; A. N. Schrieber, M. E. '38, as the new copy editor; and R. A. Braun, C. E. '38, the new sports editor. The retiring editors are F. L. Leason, M. E. '37, editor-in-chief; N. Gerber, Sc. '37, managing editor; and J. M. Kubert, E. E. '37, sports editor.

### New Editorial Men

Two new editorial positions, desk editor and make-up editor, were started in this staff. R. F. Beardsley, F. P. E. '38, was made desk editor, a position akin to the city-editor on metropolitan dailies; and R. Kotal, E. E. '38, was appointed make-up editor.

The business staff, this year, will be headed by E. Thomas, M. E. '38, who succeeds I. J. Simek, F. P. E. '37, as business manager. He will be assisted by M. E. Lubert, Ch. E. '38, (Continued on page five)

## INFORMALLY GOOD TIME ENJOYED AT JUNIORS' FORMAL

Swinging to the gay music of Bill Hogan's band, the class of '38, looking its best in formal dress, entertained in royal manner at the Junior Prom in the Drake Hotel last Friday evening. Over 140 couples attended the affair in the grand ballroom with its beautiful green draperies and aristocratic colonial style.

### Novel Bracelets Presented

Gold plated bracelets, bearing the insignia Armour '38 stamped on the face, were presented the young ladies. Both the grand ballroom and the tower room were needed to accommodate the crowd. The glory of Bill Hogan's rhythm was added to by the featured vocalist, Miss Rita O'Hayer, the California Canary.

### Grand March Begins

At twelve o'clock, the grand march began. William J. Chelgren, president of the junior class, and Stanley E. Healy, social chairman, with their dates, led the left and right wings. Junior class officers, officers of other classes, and fraternity presidents followed in order arm in arm with the black and white of the tuxedos in contrast to the beautifully colored gowns. The rustic fire place with its open log fire appeared to outdoor

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## Sphinx Initiates Six Honor Literary Men

Sphinx, honorary literary fraternity, formally initiated six men Wednesday, February 3. The meeting, held in the Theta Xi rooms, was attended by all the active members and one alumnus. Members of Sphinx are selected for meritorious service on any of the publications—Armour Tech News, Cycle, or Engineer.

The men initiated are: E. H. Brink, E. E.; R. Harwood, F. P. E.; F. D. Hoffert, Ch. E.; F. L. Leason, M. E.; P. M. Martin, E. E.; and F. N. Popper, C. E.