



F. D. Shannon Will Speak At Baccalaureate

Prof. Nash has announced that the plans of the coming Baccalaureate Sermon and Commencement exercises have been completed.

The Baccalaureate Sermon will be delivered by the Rev. Frederick D. Shannon D.D. on Sunday morning, June 4, 1939, at 11 in Orchestra Hall, 216 S. Michigan avenue. Following the exercises a reception will be held by President and Mrs. Heald, the board of trustees, and the faculty in the second floor foyer of the hall with the graduating seniors and their friends as guests. The doors will be open at 10:30 o'clock.

Graduation on Thursday

Commencement Exercises of the graduating class of 1939 and the awarding of advanced degrees will be held on Thursday afternoon, June 8th, at 4:00 o'clock in the Main Auditorium of the Museum of Science and Industry. The speaker for the occasion will be Mr. F. H. Fowler, President of Foote Brothers Gear and Machinery Corp. Tickets are required for admission. The doors will be open at 3:30 o'clock.

Seniors will receive their graduation instructions through the mail within the next few days.

Student honor marshals, named by Dean Tibbals last week, will have charge of the graduates under the direction of head marshal Nash. Rehearsals for both services are scheduled for next week and all concerned are ordered to be present. Instructions to the marshals will be in the mails soon.

Officers Elected

By Greek Council

Theta Xi was host when the Interfraternity Council, composed of the eight social fraternities on the Armour campus, held its final meeting of the year on Tuesday night, May 16, in the Armour Union.

Being the last and most important meeting of the year, interfraternity competition rules, rushing rules, and election of officers were taken up in order.

All interfraternity rules on sports were revised to conform with inter-scholastic and intramural rules. Eligibility rules were also revised. The most important change in the rushing rules was the elimination of the silent period, and pledge night will be Monday evening following Rush Week.

Elect Officers

The meeting closed with election of officers for the coming year. Election results were as follows: Donald Sunde, Delta Tau Delta, President; Richard Larson, Phi Pi Phi, Treasurer; Roy Burman, Pi Kappa Phi, Secretary; and Robert Sweeney, Tri-angel, Hand-Book Editor.

Previous to this election, Pi Kappa Phi and Theta Xi held their regular election of officers. Pi Kappa Phi elected Roy Burman, Archon; Clarence Laskowski, Treasurer; Robert Maxwell, Secretary; Elmer Matson, Historian; Harry Heidenreich, Warden; and J. Russell Freedain, Chaplain. Theta Xi's election resulted in the selection of Frank Grote, President; William Manstrom, Vice President; Edward Mach, Treasurer; William Wilson, House Manager; and John Mangan, Corresponding Secretary.

Fraternities Elect Officers

Delta Tau Delta held a special election Tuesday evening, May 16, to fill three vacancies. Delano Wessels was elected Treasurer, Richard Talcott, Assistant Treasurer, and Edward Moore, Corresponding Secretary.

Formal initiation ceremonies were held last week by two fraternities. Sigma Alpha Mu initiated Seymour Saperstein, of the class of '42, while Theta Xi's ceremonies were in honor of Forrest Wolf and Charles Durkee both of the class of '41.

Rushing has been held to a minimum because of impending examinations. The pledging of David Wittingham by Phi Pi Phi was the only pledging of the last week.

Radio Compass Topic of Radio Broadcast Sat.

Radio and Aviation was the topic presented by the Armour Faculty Club last Sunday in their twentieth program over station WCFL. Members of the club participating were Professor Sear, Mr. A. W. Schrader, Mr. Christophersen, and Mr. Schreiber.

Mr. Schrader started with the idea that a radio compass is an instrument which when tuned to a given station will show whether the plane is heading to the left or right of a line reading from the airplane to the station. It is not a compass in the ordinary sense of the word because it does not give the points as does an ordinary compass.

Can Fly on Bearings

If a pilot is not actually flying on a radio beam, he may take three bearings; that is, he may determine the direction of three different transmitting stations . . . and by proper computations, determine his location. This is not simply a single observation, but involves navigation and computation. In this connection it might be mentioned that because the speed of an airplane is so great, the time elapsing between an observation and the computation of the plane's position allows the plane to travel a considerable distance. It is important therefore to complete the computations in the shortest time possible.

In order to eliminate or conveniently coordinate all these errors, United Airlines has developed a new automatic compass. This compass when tuned in to a station will automatically swing around and give a bearing directly on that station.

Bearings, with this new compass, can be taken just as rapidly as the receiver can be turned from one station to the next in the plane's line of travel. Using this device there would appear to be very little excuse for a man taking off for California to wind up in Ireland as has been known to happen.

Rho Epsilon Elects

Officers Tomorrow

Spring Cleaning and remodeling of the operating room of amateur radio station W9YW has just been completed.

At the open house display, successful communication was established between the sophomore juice laboratory and the Rho Epsilon rooms. The operators of W9YW worked on this hook-up a long while before they were successful.

Because a large amount of equipment was in operation on open house night, interference made it almost impossible to complete a conversation over the air. On open house night the fellows operated on two different frequencies. A commercial transmitter and receiver were loaned to the fraternity for the 56000 kilocycle band, and a transmitter and receiver for the 112,000 kilocycle band was constructed by the fraternity for the display.

Carry on Experimental Work

Experimental communications on ultra-high frequency is now underway for the stations of Edward Chevally, W9SHM; Anthony Soda, W9BDM; and Melvin Mendelsohn, W9OBW. If these tests prove satisfactory many of the members are planning to duplicate this transmitter for round table chats over the air during the summer.

Two new men have been pledged. They are Frank Nader, W9GYL; and Clarence Russnak, W9WFE. This Wednesday an election of officers will be held. Friday a get together dance will be held in the student lounge. It is hoped that this dance will join together many of the graduates who were formerly members of the old Armour Tech Radio Club and also all the charter members of Epsilon Chapter.

Hammet, Wong and Giovan Share Open House 'Eye' Honors

A sky with a crystal sheen spread over it, that fades away as its distance from the western horizon increases . . . scattered clouds stretched parallel with the horizon, each breathing out color from every inch of its surface, and resting placidly against that sheeny background . . . a lake beneath, rippled just enough to add rhythm to the colored reflection . . . budding trees and glowing sun, mutually balanced along the horizon . . . "The Day is Done."

This was the picture that won first prize in the Open House exhibit of the Armour Eye, Armour Institute's camera club, as a result of the public ballot cast that night. The photographic salon that was set up in the library in the main building, exhibited 126 pictures. 840 ballots were cast, and Mr. Hammett's picture took first place with 69 votes.

Other Place Winners

Second place was taken by Alfred Wong's shot of the Merchandise Mart lighted up at night, with the lazy Chicago River and one of the bridges just below it. This photo received 45 votes. Next came Anthony Giovan's portrait of a shawled and wrinkled, but smiling, old mother of Athens, with 36 votes. George Raymond's high angle shot of the top 33 stories of the Palmolive building and the Lindbergh beacon brought in 31 votes, while his picture of two big snowdrifts from Chicago's late blizzard with the shining street light breaking the background of darkness brought in 26 votes. Don Crego's "Evening Calm," which slid into next place with but one less vote, was an example of semi-infrared photography, the picture having been taken through a deep red filter, with a super sensitive film. The total attendance at the salon was found to be over five thousand.

Sponsor Travelling Salon

The next twenty-five leading pictures from the Armour Eye's Open House salon have been sent, together with twenty-five more of the club's own selection, to the Horace Mann high school in Gary, Indiana. This group of pictures comprises a "travelling salon," which, after it has been there two weeks, will be sent to the camera club at Dwight, Illinois.

Armour Institute's camera club is now a member of the Associate Camera Clubs of the Chicago area. The boys are planning an active summer program which will include two "get-together" meetings during July and August.

Stoopbrain Turns Optimist; Plans To Get Perfect Marks On Final Exams (To Pass)

Deer Sally,

Wel, az Algeer Witz wonce sed wen addressing his Neck lab klass, quote a good definytion of a busy body iz a hula danzer, unquote and hope yewre the same.

With that off my chest, I bring yew the good news. Skool iz abowt over and soa thiz will bea my laste letter tew yew thiz semester. Reason? I wil sune bea hoam, deer mounthin blueberry. Az I dew each summer, I wil bea able tew hunt and tew fish in the mounthin stream, tenderly take care of my pet pigs, ride mie favorite mule Achilles and tew make mounthin dew withe Grandpappy Bentwitz and tew dew a little feudin in company withe Brother Halfstoop and Cousin Lambbrain. The stewdents our still talking on howe yew awl helped us owt in Junyor weak in our skit. Won other thing Ill bea able tew dew wen I'm hoam iz tew walk withe yew along the starlit hills under thea moonlite, and tew wisper the sweet things intew yewre ear like I always dew. Hoo noes, someday yew and I may get hitched, and then the long trail wil bea at an end.

Another thing wen I get hoam I want tew take yew tew the Gulch Crick danze and summer formal. And I want yew tew where that new cali-

Magos Speaks To A.S.M.E. At Final Meeting

Mr. J. P. Magos of the Research Department of the Crane Company was the speaker at Friday's ASME meeting in place of Mr. Wallace, vice-president of the ASME, who was originally scheduled to address the group.

Urging the senior members of Armour's chapter of the society to transfer into the Chicago Jr. Section upon graduation, Mr. Magos cited many of the advantages of active participation in ASME functions.

"An engineering society," he said, "is in reality an institution through which the young engineer continues his studies in some specialized field, and has the opportunity to meet prominent men in the profession, and to broaden his acquaintanceship. Those engineering graduates employed in the Research Department of the Crane Company who have maintained their membership in the society, are much more alert, are aware of more recent developments, and, in general advance more rapidly," said Mr. Magos.

Addressing the seniors, Mr. Magos emphasized the need of cultivating salesmanship. Many good men are in routine jobs because they lack the ability for salesmanship. A recent Armour graduate will soon be promoted to a responsible position in the Crane organization because of his sales ability. Mr. Magos said, "This fellow sold the idea that he is a good engineer, to his superiors."

Evanston Country Club Site of Musical Finale

Friday evening, June 2, the musical clubs of Armour will be guests of the Evanston Country Club for a dance and party, following a short concert. This is the last concert of the season for the combined clubs.

As each year comes to an end the men of the musical clubs have a party which is closed to outsiders. A dance orchestra and refreshments are on the program through the generosity of the club. The men are awaiting the appointed date, remembering former parties by the club.

Tentative plans for next year are already being made by O. G. Erickson.

325 Take Exam For Freshman Scholarships

Over 325 high school graduates, the largest number of scholarship quiz contestants in the history of Armour, turned out to match wits last Saturday morning for one of the ten one-year scholarships offered each May.

Science Hall and the gymnasium were occupied by about 275 of the participants, while it was estimated that about 50 took the examination outside the city. Approximately 60 boys took the fire protect exams under the sponsorship of the National Board of Underwriters.

Commencing sharply at nine a.m., the examinations lasted three hours. Awards are based on ratings in chemistry, physics, and math quizzes. The knowledge of good English, prominence in high school extra-curricular activities, and personality as judged in faculty interviews also weigh heavily in the final selection of winners. Announcement of the victorious candidates will be made in from ten days to two weeks.

Guests at Luncheon

After the exams the boys were invited to the Student Union for dinner. After dinner they were welcomed to Armour by President Heald and Dean Tibbals. Tom Collier, president of the Interfraternity Council, made an address familiarizing the men with the relation of fraternity activities to life at Armour.

Upon adjournment from the cafeteria, entertainment was offered upstairs by the "Mad Russians" Ted Gromak and Herb Hansen with guitar and accordion. Next on the program were the Saturday movies pictorially presenting the romance of science to the would-be engineers.

This year's preparation for the exams included a greatly increased faculty interviewing committee, headed by Professor S. E. Winston. Other members of the committee are S. F. Bibb, W. M. Davis, W. B. Fulghum, H. A. Giddings, C. E. Hammett, S. H. Harper, C. O. Harris, W. E. Kelly, W. J. McLarney, R. H. Manley, J. B. Rodgers, J. A. Schaad, A. W. Sear, W. H. Seegrist, S. M. Spears, A. D. Sprague, and C. A. Tibbals.

Cycle Out June 1; Features Pictures And Novel Cover

Distribution of this year's *Cycle* will take place on June 1, according to the editor, Dan Jacobsen. Handing out of the annual will take place in the bookstore under supervision of Stan Livingstone.

Featuring a color scheme of green and white and an abundance of pictures this issue is the biggest ever given to the students. Copy has been reduced to a minimum to make room for more pictures. This is in accordance with the pictorial tendency prevalent in modern college publications.

One of the principal features of this issue is an attractive cover design, created by the editor. The principal characteristic is that the cover is washable, a definitely new idea in college annuals.

Vary Makeup

Type for the *Cycle* has been chosen from the newest of faces. No serifs are present making the pages of neater appearance and cleaner cut. Make-up, particularly in the senior section, has been varied to a great extent, each page having its own pattern different from every other.

The student annual has been issued since 1892. Originally it was called the *Integral*, but a number of years later the name was changed to the *Cycle*. This year, student opinion overruled a move to change the name to the *Techhawk*, and the name remains the *Cycle*.

This year's *Cycle* staff was headed by Dan Jacobsen, editor and Norman Rice, business manager. The entire staff to be complimented on the rapidity with which the annual was published.

Yures,

Stoopbrain Bliss.

Exams Begin Next Wednesday; Summer Enrollment Starts

Schedule To Be Found On Page Two

A schedule of exams, their time, place, and the instructors covering them have been released by W. E. Kelly, Registrar. A copy of the schedule is posted on the second page for the convenience of the students. Special attention is called to the note at the end of the schedule regarding conflicts.

Students have been asked to be considerate of those taking exams by remaining away from exam rooms until the time specified for their next exam. The noise of students milling about and talking outside of an exam room is a serious distraction to those taking the exam and there is no advantage in arriving early.

Exams Begin Wednesday

The schedule differs from those of past semesters in the fact that the exams begin on a Wednesday, May 31, and run through the week to the following Monday, June 5, whereas in the past the usual run has been from Monday to Friday of the same week. The present arrangement is necessary because of a holiday, Memorial Day, at the beginning of the week. Such a system necessitates some exams on Saturday morning.

The Registrar's office also requests that all applications for summer school classes be turned in immediately to facilitate early determination and scheduling of these courses.

Athletic Banquet

Tomorrow Evening

Contrary to previous arrangements, the annual A.T.S.A. Athletic Banquet will take place this year in the dining room of the Union League Club on Wednesday, May 24. It was originally scheduled for the lunchroom of the Student Union, but the new site was definitely decided upon this week.

All Armour athletes will be invited to attend and are assured good food and an enjoyable evening. The list of invitations has been compiled by the athletic managers and coaches and includes all students who were consistent competitors for positions on the school teams. Invitations are in the mail and all invited are expected to be present.

Complete awards will be presented to the basketball, swimming, and boxing and wrestling teams, while senior letters will be awarded for members of the track and tennis squads, which have not as yet completed their season. Winners of senior jackets will receive them during the course of the evening.

The program has not been completed although it is probable that John J. Schommer, Director of Athletics, will be one of the principal speakers. Dinner will be served at 6:30 after which the awards will be presented and the men will adjourn to the lounge for a good old "gab fest."

Last Issue of Engineer Features New Styling

Sporting a bright red on its cover the final issue of the *Armour Engineer* for this year was distributed last Thursday and Friday. The magazine is the second to appear in the new form which was initiated with the March issue.

The new policy of the *Engineer* is apparent on the cover, for now the picture, instead of being characteristic of the season, pertains to some part of the contents. Next semester will see the *Engineer* continuing in the same form with articles of interest to the students and alumni alike.