



## 'Name' Books List Large Number of Tech Professors

### Heald Mentioned in All Three Directories

A little browsing around among the books devoted to listing men of accomplishment will reveal a surprising number of Armour Institute faculty members. Two of these books, *Who's Who in America* and *America's Young Men*, are amended and republished every two years, while a third, *American Men of Science*, is revised once in four years. These are the only nationally known books whose scope includes complete listing of people in the United States.

Of these three, *Who's Who in America*, the leading biographical directory of the country, has just distributed its latest edition. Our faculty has eight representatives among the 31,545 names it contains. They are: President H. T. Heald; Dr. H. M. Raymond, President Emeritus of the Institute; Dr. L. R. Ford; Prof. J. C. Penn; Prof. A. H. Carpenter; G. F. Gebhardt, Professor Emeritus in mechanical engineering; Prof. C. E. Paul; and Dr. G. L. Scherger. The records of people whose names appear in this book must show much public accomplishment.

### "American Men of Science" Has 29

Among the 26,000 names in the *American Men of Science*, 29 of the Armour Institute faculty are included. They are: President H. T. Heald, Dr. L. E. Grinter, Prof. J. C. Penn, and Prof. M. B. Wells, of the civil engineering department; Dr. H. A. Giddings, Dr. R. Oldenburger, Dr. L. R. Ford, Prof. S. F. Bibb, Dr. W. M. Davis, and Dr. W. C. Krathwohl, of the mathematics department; Dr. H. M. Raymond, Dr. J. S. Thompson, Dr. T. C. Poulter, Dr. P. L. Copeland, Dr. G. E. Ziegler, Dr. T. E. Doubt, Professor Emeritus of experimental physics, of the physics department; G. F. Gebhardt, Professor Emeritus, Prof. P. C. Huntly, and Dr. W. A. Pearl, of the mechanical engineering department; Prof. H. McCormack, Dr. V. I. Komarewsky, Prof. A. H. Carpenter, Dr. C. A. Tibbals, Dr. B. B. Freud, and Dr. R. H. Manley, of the chemical engineering department; Dr. E. H. Freeman, Dr. M. B. Reed, and J. E. Snow, Professor Emeritus of electrical power production, all of the electrical engineering department; and Prof. J. B. Finnegan of the fire protection engineering department.

### "America's Young Men" Mentions Nine

Rarest of all are names which appear in the third of these volumes—*America's Young Men*. It contains the names of 6,000 young men from the entire country, men who are forty years or younger. Here the Institute has a brilliant record, for nine of the faculty members are represented in this list. They are President H. T. Heald, Dr. P. L. Copeland, Prof. H. A. Ens, Dr. H. A. Giddings, Prof. A. S. Hansen, Dr. R. Oldenburger, Prof. S. M. Spears, Dr. J. S. Thompson, and Prof. H. A. Vagtborg.

### W.S.E. to Discuss Merits Of Engineering Societies

The W.S.E. will hold their next regular meeting Friday at 10:30. There has been no regular speaker engaged for this meeting, since a discussion concerning the relative merits of the W.S.E. and the A.S.C.E. will be held.

At this time a report on this matter will be presented by the committee. Discussion will occupy the balance of the meeting. A number of interesting speakers have been engaged for meetings in the near future.

Plans are being pushed for a proposed smoker. As suggested at the time of the meeting, the event will be held in the first week of November.

## Invite Student Architects To van der Rohe Meeting

Architectural students have been given the opportunity to attend the meeting following the Ludwig Mies van der Rohe testimonial dinner this evening. A place has been set aside for them to listen to the proceedings of the meeting, without charge. The meeting is scheduled to start at 8:15.

The dinner is to be held in the main ballroom of the Palmer House and will be attended by outstanding architects from the Chicago area. All students who wish to attend the dinner may obtain tickets at the Art Institute. The price, as announced on the bulletin board, is \$3 per plate.

## 'Armour Eye' Begins Membership Campaign

Armour Eye extends an open invitation to all students, earnestly and actively interested in photography, to attend a meeting at the organization's headquarters tomorrow. The purpose of this meeting is to enable the club to discover new talent to enrich its membership.

For the past few weeks the Armour Camera Club has been undergoing some extensive remodeling. The club has five rooms in Chapin Hall which when completed will consist of two dark rooms, an executive room, a studio, and an exhibit room. With an appropriation from the A.T.S.A. which is pending, the club plans to get an enlarger and some studio equipment.

Regular meetings are held every Friday at twelve o'clock noon in the studio in Chapin Hall. Monthly night meetings are being planned at which prominent photographers will be guests, to lecture or judge the club work.

Arrangements are being made for picture contests to be held among the members each month. Each contest will consist of two parts, the first being on a general subject and the second on individual subjects which the participant will choose by lot. There will be eight monthly contests in all, and the winners of each of these will compete in a final contest. These contests are expected to contribute new ideas and to encourage a greater interest in club work.

Around the wall of the exhibit room, a rack has been built in which mounted pictures will be shown. The pictures will be replaced each month with new contest pictures, so that a large and changing variety can be shown.

## Name H. S. Anthon Chairman of Seniors

At the first meeting of the senior class under the new form of government, the class commissioners and officers were introduced to the class. Harold S. Anthon, as chairman of the commission took over the meeting from W. E. Kruse, class president of the junior year. Anthon then introduced his associate officers who are, namely, T. A. Clark, vice chairman; A. M. Zarem, treasurer; and S. P. Finnegan, secretary. The other commissioners are, mechanicals, R. N. Vandekeiff; civil, C. W. Reh; fire protects, B. G. Anderson; electrical, R. I. Bush; chemical, S. J. Moculeski and E. N. Isakson; and science, E. F. Wagner.

Under the functioning of the commissioner, one commissioner is to be on every one of the senior committees. However, a motion from the floor suggested that because of the many duties of the chairman of the social committee, the position be raised to that of a class officer, and the social chairman be elected by the commission. After much discussion, the motion was dropped. In the rules of the commission it is stated that any senior who wishes to serve on a committee should submit his name to the chairman. Applicants for the committee will be passed upon by the commission and those selected will elect their own chairman.

## Dr. Pearl Delivers Paper On Metallography Before Atlantic City Convention

At the national convention of the American Gas Association in Atlantic City, New Jersey, last Thursday, Dr. W. A. Pearl of Armour's mechanical engineering department presented a paper on the metallography of welding high strength structural steels.

In speaking to over 2200 delegates who had assembled, he pointed out the curious fact that the material at the vicinity of the weld invariably has a different tensile strength from that of the original pieces. In the case of low carbon steel, this increases fifty per cent, whereas most of the new alloy steels seem to be weaker at this point. He went on to show some of the problems brought up by this phenomenon.

Dr. Pearl also presented papers to the American Gas Association in Cincinnati and at Washington University in St. Louis last spring. His subject in the former instance was "The Metallography of Welding and the Importance of Training Welders." In the latter instance he spoke on the "Adaptability of Stokers to Domestic and Small Industrial Installations."

## Petition Plan To Be Used For Freshman Elections

Last Friday the freshman class officers and election committee, met in the gym to discuss the various methods of carrying on an election. The method they decided on is the petition form of election, in which nominees are admitted to the primary ballot by signed petitions, and elected on a second ballot.

Final details have not been decided upon, but the committee will meet next Friday, and have the complete plan ready for presentation the following week. The committee's aim is to present a system whereby every classmate will have an equal opportunity to be nominated.

## Co-ops to Add Kankakee Area To New Group

Arrangements are now being made to admit to Armour its fourth co-operative course in mechanical engineering. In addition to the industrial areas already incorporated in the present cooperative set-up, which includes the Chicago industrial area, the Waukegan industrial area, and the tri-city area, Institute officials, according to L. J. Lease, industrial coordinator for the cooperative course, are planning to include the Kankakee industrial area in the plan.

The course is of five years' duration. Requirements for admission are the same as in the other courses and the degree of bachelor of science is conferred upon those who complete the course.

According to the cooperative plan approximately half the cooperative students are assigned to courses at the Institute, while their partners, constituting the remainder of the group, are employed in the plants and factories of the cooperating industries. The groups are interchanged every two months so that during a given year each student is in college twenty-four weeks and in the factory twenty-six weeks.

A sufficient wage is paid to each student to enable him to meet all of tuition and other fees at the Institute. One of the conspicuous merits of the plan is that it provides college training in engineering for a group of promising men who could otherwise not afford a college education.

The course as applied to the Kankakee area will be the same as in the Chicago area and will provide for resident study at the Institute in a manner similar to that for the tri-city area. Applications of students from the Kankakee area are being received at the present time by Mr. Lease.

## Three New Men Made Trustees

On Monday, Oct. 10, James D. Cunningham, chairman of the Board of Trustees of Armour Institute, announced the election of three new members to the board. The new members are Charles B. Nolte, C. L. Rice, and Harold S. Ellington.

The new members are all very prominent in midwestern industry. Mr. Nolte, President of Crane and Co. was born at Mattoon, Ill. He received a B. S. in mechanical engineering from the University of Illinois in 1909 and then joined the firm of R. W. Hunt as engineer, remaining with the firm until 1930. During his employ with this concern he rose from engineer to manager, vice-president, and finally to general manager. Mr. Nolte has been President of Crane and Co. since 1935.

Mr. Rice was born in Pittsfield, Mass. and received his college training at the Massachusetts State College and Boston University. After his graduation, he served one year as junior engineer at the filtration plant of Pittsfield and then entered the Western Electric Co. at the Chicago plant. In 1908 he was made Vice President, the position which he holds at the present time.

Mr. Ellington, an alumnus of Armour Institute, C.E., '08, began his professional career with the National Construction Co. railroad engineers. He later transferred to the Standard Concrete Construction Co. From 1912 to 1916 he was plant engineer for Stroh Brewing Co., Detroit, and from 1916 to 1919 construction manager for the Booth Estate, Detroit. Since 1919 he has been a member of several firms of architects and engineers, and now is a partner of the firm, Harley and Ellington.

## Junior Class Votes Commission Adoption

At its meeting last Friday morning, the junior class decided in favor of the commission form of government for the second time this semester. During the course of a previous meeting, the juniors had voted for this type of government, but after considerable argument retracted their decision and elected a committee to investigate thoroughly the various forms of class government.

Members of the investigating committee, R. J. Bartusek, R. H. Wagner, J. C. Balsewick, and G. P. Hanna, Jr., reported at this meeting in favor of the commission plan and gave a detailed explanation of the manner in which this type of government functions. The presentation of the report was followed by several minutes of heated discussion. When the class president J. D. Shaver, called for a vote, it was revealed that the juniors favored the adoption of the committee form of government by a large majority. The class further decided that the members of the commission elect their own officers.

Preceding the close of the meeting a new committee, composed of J. A. Clark, P. R. Ewing, D. J. Mackey, E. M. Mandel, and R. A. Rehwal, was chosen to determine the number of representatives that each department is entitled. Election of commissioners will take place within the next two weeks.

## Pledging of Fourteen Men Announced by Rho Epsilon

Epsilon chapter of Rho Epsilon, national radio fraternity, announces the pledging of the following men: C. D. Pierson—W9QYE; M. Mendelson—W9OBW; W. Clark—W9QIC; S. T. Mentzel—W9PBT; E. T. Mineika—W9WLK; E. L. Hass—W9LQN; J. O. Leonhardt—W9OYU; M. Camras—W9CSX; A. Seda—W9BDM; L. Maze, E. Bauer, F. Ellin, T. Quarnstrom, and E. M. Rosenthal.

Armour's amateur radio station of Epsilon chapter is now in operating condition and reaching collegiate stations throughout the country.

## 'Zarabanda' Friday Night; Swing Out 'Cats', It's the Arx Dance!

### Registrar Releases Final Class Figures

Latest figures are now available concerning this semester's registration. As in the past, the night school greatly outnumbers the day division. Complete figures of the night school are not available, but the figures of Friday, October 14, show that 1740 students have registered. In addition to this 100 students have gone through the Registrar's office, but have not completed registration. Business decline is held responsible for the slack in the enrollment, since last year there were 2067 students in the night school.

Great increases in department registration in the day school and the cooperative classes compensate for this decrease in the night school. A total of 1068, compared with 946 for last year, have enrolled. There are 236 students in the cooperative department, as compared with 168 for last year.

Class enrollment has increased except in the senior class. The freshmen class now numbers 335. There are 269 in the sophomore class. The largest increase is in the junior class. There are 223 juniors as compared with 163 for last year. The seniors number 147; part time students, 50; graduate students, 44.

The department of mechanical engineering leads the school in enrollment. There are 343 mechanicals. The chemicals number 283; electricals, 173; civils, 107; architects, 83; fire protects, 63; and science 16.

In the cooperative department, there are 91 first year students in mechanical engineering, 81 second year, and 64 in the third year. In the night school the mechanical engineering department is larger than the others. The mathematics department is second and the electrical ranks third.

## Musical Clubs Give Premiere on Nov. 11

Armour's Musical Clubs will make their first appearance of the new season at the Armistice Day assembly, November 11. Rehearsals are being held and extensive preparations are being made to make the program meet with the high standards of past performances. Gordon Erickson, director of the Musical Club, has prepared an interesting program which will include selections by both the glee club and orchestra. Among the numbers that the glee club is now rehearsing are: *The Trumpeter* by Dix and *Dear Land of Hope and Glory* by Elgar. The orchestra will present *The American Fantasy* by Herbert and *Adigo* by Godard.

On December 8, the combined clubs will present a concert in the rotunda of the main galleries of the Art Institute. The clubs have been invited to repeat their very successful concert of last year. After this engagement, the club's next appearance will be at the annual Christmas Concert, December 15, at which time several new soloists will be heard publicly for the first time.

### NEWS MEETING

A meeting for the editorial department of the *ARMOUR TECH NEWS* has been called for Tuesday at 12:30 sharp.

### CLASS OF 1939

All members of the present senior class are requested to check their records for graduation with Mr. W. E. Kelly, Registrar, immediately.

### Institute Public Lectures

This lecture program is patterned after that used at the Institute of Advanced Study, where lectures are given at will, and attended at will.

The next lecture will be given Thursday, October 20, at 11:30, in Room 217, Chapin Hall. The subject is "The Logic of Aristotle."

## Edgewater Beach Hotel Is Site and 'Colonial Club', the Band

This Friday evening will see a gay crowd of Armourites swirling about the floor of the Michigan Room of the Edgewater Beach Hotel. The occasion is to be the annual Arx dance, called this year, the ZARABANDA. Music will be furnished by Junie Griggs and his Colonial Club orchestra. For the information of those who have thus far escaped the cry of "Hey, how about a bid to the Arx dance?" the total demand on the pocketbook is \$1.50.

Decorations for the Michigan Room have been planned in genuine Arx style. The bids, which are circulating freely at present, give a preview of the artistic effort which has been expended to make the affair a success.

### Plenty of Balloons

As for the ballroom itself, the committee promises a ceiling covered with balloons. This should provide an excellent target on which all enterprising marksmen may try their skill. In addition to the balloons, the committee plans to have extensive decorations all over the room to carry out the theme of ZARABANDA, or "liveliness."

The feature of the evening will be, of course, the orchestra. The Colonial Club is a ten piece organization which has, in addition, a vocalist from Northwestern University. The ability and appearance of this singer are two of the factors which led the committee to decide in favor of the Colonial Club. Another governing factor is the ability of the musicians to play an almost endless variety of selections. It is a well known fact that some people like swing music, while others do not. Since Mr. Griggs' boys can play in both styles, they were a logical choice to satisfy everyone.

### On Sheridan Road

Directions for reaching the Edgewater Beach Hotel are quite simple: The "Beach" is located on Sheridan Road at Balmoral Avenue; this is 5400 north and 1000 west. The easiest way to get there from the south side is to go over to the outer drive and follow it north right to the hotel. From the west side the best way is to take Ogden Avenue to its end, then take Lincoln Park West, and Stockton (Continued on page four)

## 'Streamliners' On WCFL Next Saturday Night

Rapid transportation, or the story of the men behind the streamliner, is the topic of the third program in Armour's fifth educational radio broadcast series. This program depicts the evolution of the old steam locomotive to the new streamlined Diesel; the story of a race against time, under adverse conditions, to prove to the world that a newer, better, and faster mode of transportation had been perfected for the use of everyone.

The most important problem of a powerful lightweight engine was solved by Rudolph Diesel who devised what is known today as the Diesel engine. Unlike most inventors, Mr. Diesel gained a fortune from his engine. Diesel's life is shrouded in mystery, because one night in 1913, while crossing the English Channel, he disappeared mysteriously and was never seen or heard of again.

After the Diesel engine was proved practical, the engineers had the job of coordinating it with a locomotive as a prime mover. This idea first came to two men in 1933 at the Chicago World's Fair.

Having decided to risk a trial with a new Diesel powered locomotive, these two men devised, and supervised the building of the first Diesel powered streamline train. In October 1936 in a thrilling run from Chicago to Denver the streamliner set a record which astounded the world.

On October 29, the radio program to be presented will be the story of "Coal."