



By Paul Schultz

FEBRUARY, although the shortest of our months, is the most eventful. Its greatest feat has been the production of such men as Washington, Lincoln and Edison. Although it is not a well known fact, Thomas Alva Edison was born February 11, 1847. He is proclaimed as the "Greatest American since Washington, and Lincoln." Edison lived in two worlds—the world as he found it and he helped to re-create. If he had been born in preceding ages he would have been executed for sorcery or witchcraft. Yet take out of the world today the works of men like Thomas Edison and civilization would collapse. Therefore, as engineers we should respect and revere Edison for his greatness and ability and as men we must look up to him for his standards and high ideals. He met his problems with the power of the mind. His victories are those of a "plain American boy" who leaves a rich heritage of inspiration, courage, and character to the youth of all nations and races.

THE WASHINGTON AWARD for 1935, the highest of engineering honors, was presented to Ambrose Swasey last week. The Washington award is given each year to an engineer selected in recognition of his "devoted, unselfish, and pre-eminent service in advancing human progress." The award is a large bronze plaque framed in marble. Ambrose Swasey, who is 86 years old, is a manufacturer of special precision machinery, and is well known as a builder of instruments, institutions, and men. Mr. Swasey has designed and manufactured optical instruments for the army and navy and mountings for telescopes in the largest observatories in this country. He received the greatest compliment payable to any man when Dr. Philip Fox, director of the Adler planetarium told the assembly present of Mr. Swasey's "setting the pace for precision engineering by building the finest of precision instruments."

THE CHIEF CHARACTERISTICS which proclaim themselves in the makeup of these two engineering geniuses are those of honesty, and everlasting endeavor. Thomas Edison once said, "All I ask of a man is that he have honest convictions and principles and live by them." This statement seems to sum up the character and the greatness of that great American. Mr. Swasey could never have possibly reached that highest pinnacle of engineering success, only a step below that reached by Edison, if he had not the strength of his convictions and the will to keep "everlastingly at it."

Mech Lab Receives Modern Diesel Unit

In keeping with the custom of Armour Institute of Technology to provide up-to-date facilities for the student body, the automotive laboratory, directed by Professor Roesch, recently acquired a new Fairbanks-Morse Diesel Unit.

This unit was obtained by the Institute at a cost of \$900 and is primarily intended for the study of this branch of mechanical engineering.

Alumni Requested to Advertise Institute

An expansion of the speakers' bureau of the publicity committee of Armour Institute is being planned to take in all towns and cities within 500 miles of Chicago.

Alumni who live in these towns will be contacted and asked to speak to high school students in their towns. This service will help publicize Armour in those places where there is no other method of publicity.

Nachman to Head Armour Engineer

Harry S. Nachman has been chosen to head the staff of the Armour Engineer for the year 1935-1936. He succeeds Ellis H. Doane, who was editor last year.

The last issue to be put out by the old staff is late in appearing, but will be given out next week. The first issue by the new staff will appear in the latter part of March.

The remainder of the staff, except assistants, who will be chosen later, is:

Editorial Staff

Assistant Editor . . . D. N. Brissman
Technical Editor . . . G. Freund
Associate Editors . . .

N. Balai, F. D. Cotterman, E. C. Hoyer.

College Chronicle

. . . M. Alexander
Business Staff
Comptroller . . . H. P. Milleville
Advertising Managers . . .

. . . H. G. Gragg, M. B. Stevens
Circulating Manager . . .

. . . G. H. Bergquist
Associate editors will be in charge of the various departments of the magazine, such as: Technical Bookshelf, Technical Abstracts, Engineering Progress.

All men, especially, freshmen, who are interested in working for the Engineer should leave their names on a slip of paper in the Engineer's box in the supply store. Positions both on the business staff and editorial staff are available. A staff meeting will be called in the near future.

Armour Players Will Postpone Production

Armour Players have postponed the date of their next performance to March 7, so that they can present a double bill of one act plays in one performance instead of making two different appearances as they had formerly planned. Professor Hendricks, director of the play productions, said, "We need an extra week to give the school the two plays, and so we have postponed our date. However, at that time we will present two of the finest comedies yet produced by the 'Players'."

The first play to be presented will be "The Boor," a Russian comedy, by Anton Chekhov. Miss Martha Naylor will take a guest lead in "The Boor", whose plot revolves about intrigue and love. The second play will be an American farce, "Dress Reversal" by John C. Gerber.

Address to Be Given for F. P. E. Students

Next Friday Captain Arthur Brady of the Chicago Fire Department Drill School will present a talk on "Fire Department Practice" at 10:30 in the physics lecture room. Everyone is invited to attend besides the sophomore, junior, and senior Fire Protectors.

Last Friday afternoon the senior F. P. E.'s made their weekly inspection trip. It was to the Field and Co. retail store. Mr. C. P. Holmes of the Underwriters' Laboratories had charge of the inspection trip.

Officers Elected at Chi Epsilon Meeting

Last Friday the members of Chi Epsilon elected officers for the coming semester at their general business meeting. K. O. Stocking was elected president, J. M. O'Connor, vice president, G. A. Nelson, secretary, and Dean H. T. Heald, treasurer.

R. R. Johnson was appointed assistant editor of the Transit, a monthly publication of the fraternity. Plans were made for the coming semester. An alumni index will be compiled, and an effort will be made to get the alumni to attend meetings of the organization. A news letter will be published and mailed before the Interhonorary dance. Chi Epsilon is a civil engineering honorary fraternity.

Address Given by Preston Bradley

Talks at Washington's Birthday Assembly

At the annual Washington's birthday assembly held last Thursday, the Armour faculty and student body had the privilege of hearing Dr. Preston Bradley, one of Chicago's leading citizen's, present an address which will undoubtedly go down in the minds of everyone present as one of the finest in the history of the Institute.

After an introduction by President Willard Hotchkiss, Dr. Bradley opened his address with a tribute to Dr. Frank Gunsaulus. In the words of the speaker, "every institution is but the length and shadow of a great personality."

Lincoln a Classicist

Washington and Lincoln, according to Dr. Bradley, are valuable to us as inspirations. They still live on in spirit, not through the sentimental stories which have long since been discarded by thinking people, but through the effect which their lives have had on our country.

Of Lincoln, the speaker said that "he was the greatest work of art the western hemisphere has yet produced." Although born in the meanest circumstances and having practically no formal schooling, Abraham Lincoln's mind was what we would call classic or extremely analytical in that he had the faculty of seeing through the artificialities of life and arriving at the basic facts. Freeing the slaves was only incidental with him; saving the Union was his major thesis.

War Causes Hidden

Speaking of the Revolutionary War, Dr. Bradley brought out the fact that all wars have an economic basis. The cause of the Revolution, taxation without representation, and the occasion, the Boston Tea Party, are often confused, as are causes and occasions of all wars. The assassination of an arch-duke, the firing on a fort, the sinking of a ship, all are mere occasions which serve to arouse mass psychology and

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Address to Be Given at A.I.Ch.E. Meeting

Dr. C. W. Balke, director of research at the Fansteel Products Co. of North Chicago, will be the speaker at the A. I. Ch. E. meeting on Friday, March 1, at 10:30. His topic will be "Tantalum Alloys." Before becoming director of research at the Fansteel Products Co., Dr. Balke taught at Kenyon College, University of Pennsylvania, and the University of Illinois.

Dr. Balke has done much work in the determination of atomic weights and in the study of metallic cerium, tungsten, molybdenum, tantalum, columbium, and tantalum carbide.

Chinese Student Club Organized at Armour

For the first time in the history of the Armour Institute, a Chinese student club has been organized. This is the Chinese Engineering Student club.

The main object of the club is to bring about a closer relation between the Chinese students of Armour and those of the other colleges of the Middle West, and to make it possible for them to exchange ideas of both social and scientific interest.

The officers are as follows: President—Maurice P. Shiu. Secretary (English)—G. B. Eng. Secretary (Chinese)—Walton C. Joe.

Treasurer—Clyde W. Chen. The club will hold its meetings bi-weekly in the Armour Mission.

Bulletins are to be printed and sent to the other Chinese students engineering clubs concerning discussions brought out during the meetings.

Plans Made for S. P. E. E. Branch

On Saturday, February 16, a meeting was held at Armour for the purpose of discussing the advisability of the formation of an Illinois-Indiana section of the Society for the Promotion of Engineering Education. Representatives assembled here were: Dean Enger, Dean Jordan and Professor Lentwiler, head of the Electrical Engineering Department, all of the University of Illinois; Professor Wiley representing Dean Potter from Purdue; Mr. Moench, substituting for President Prentice of Rose Polytechnic; and Dean Heald, Professor Peebles, and Professor Finnegan, representing Armour.

Four Colleges In Area

The four represented are the only colleges holding institutional memberships in the S. P. E. E. in this area. Of course, however, various members of the faculties of these schools are holders of individual memberships. During the six hour meeting, plans were made for the organization of the section.

First Meeting at Purdue

It was decided that the first meeting of the newly formed organization would be held at Purdue on Saturday, April 6, 1935. The program is to consist of conferences and the presentation of papers by members of the faculties of the four schools. Professors Dutton, Ens, Hendricks, McCormack, and Thompson, members of the faculty of Armour Institute, will be among those presenting technical talks. Various other professors from Armour will take part in the conferences that will be held at the same meeting.

Excellent Setting at Latest Dance

About two hundred couples danced to, and enjoyed, the music of Maurie Sherman's orchestra last Friday night. The event was the annual Freshman-Sophomore dance which was held in the Bal Tabarin Room of the Sherman Hotel.

The scintillating music proved very capable and a surprise change of tempo throughout helped the dancers forget their daily tasks. The decorations of the Bal Tabarin room are unique for Chicago. A large "A" was projected on the wall over the orchestra. On each side an under water scene was shown. A gentle waving of the sea weed helped make the effect more realistic. The scene changed from that to a skyline view of Chicago. Other scenes were an autumn sunset through trees, a tropical beach, and a modernistic scene done in red, white and blue.

Soon after 11 p. m. the floor show from the College Inn came up. This consisted of the "eight debutantes" who did several dance numbers, a juggler whose remarkable ability interested everyone, and a singer who gave vocal interpretations of various types of persons.

The success of this dance was due to the efforts of O. Tomei, sophomore social chairman, and S. Healy, freshman social chairman, and their respective social committees.

Math Club Officers Elected at Meeting

At its last meeting the Math Club elected its officers for the semester. Those chosen are: president, Roy Kercher; secretary, Arthur Haeger; program committee, Maurice Alexander, Norton Gerber, Paul Martin, Francis Popper, and Fred Sirt.

After the election a paper on "The Origin of Calculus" was given by Roy Kercher. He presented a qualitative picture of how the method of calculus developed out of other forms of mathematics.

The paper to be presented at the next meeting, March 8, is on "The Analysis of Harmonic Motion." Programs for future meetings are being worked on by the program committee.

TECH CAGERS OUTDO SELVES BUT HEARTBREAKER FINISHES BIGGEST SEASON IN YEARS

Finale Turns Out to Be Year's Classic;
22-20 Lead at Half Lost as
Indiana Wins: 48-43

LAUCHISKIS AND CHRISTOPH IN LAST GAME

All students interested in working on the editorial or business staffs of the Armour Engineer are requested to leave their names in the Engineer box at the supply store.

Alumni notes for the Armour Engineer should be given to Mr. Setterberg.

Illustrated Talk to Be Given for W. S. E.

Construction work is almost completed at Boulder Dam, and this work will be explained at an illustrated lecture to be given by R. A. Kirkpatrick at a meeting of the W. S. E. Wednesday, February 27 at 10:30. Colored slides will be used to show scenes of construction.

Mr. Kirkpatrick, a graduate of the University of Iowa, is president of the National Americanism Congress, successor to William H. Taft. He is also a member of the Advisory Council on National Parks of the Isaac Walton League.

In the near future a lecture will be given by J. W. Woermann, civil engineer of the Federal Government on the Illinois Waterway system.

All of the students are invited to attend these lectures, and also those given under the Junior section of W. S. E. on the third Thursday of each month at the Engineers building in Chicago.

On Thursday, February 28 at 7 P. M., Mr. Q. M. Crater will present a talk on "Air Conditioning." Mr. Crater is sales engineer for the Westinghouse Electric and Manufacturing Company. He has been engaged in air conditioning work for 10 years. He should be fully qualified to present a concise and clear picture of the development and growth of air conditioning in its uses and benefits to industry, office, and home, and its future possibility as a rapidly growing industry.

Enrollment Figures Given by Registrar

Enrollment figures for this semester, although not entirely complete, at the present time show 766 students registered at Armour Institute. In comparison with the usual drop in enrollment of about forty students, a drop of only twenty took place with the change in semesters.

The freshman class for the first time in the history of Armour showed an increase instead of a decrease. More new men enrolled to counterbalance the usual loss, so that this class now contains 220 members, seven more than last semester. Departmental enrollment is practically the same as last semester.

Registration Figures (to date)
Graduate students . . . 14
Seniors . . . 142
Juniors . . . 180
Sophomores . . . 198
Freshmen . . . 220
Special students . . . 12

Totals . . . 766

Stan's Daughter to Marry William Reed

Miss Clare Livingston, daughter of Stanley Livingston, manager of the Armour bookstore, is to be married next month to Mr. William Reed, assistant in the cashier's office. The wedding will take place on March 9 at the Woodlawn Presbyterian Church.

Battling the team that set them down 55-37 earlier last week, the Tech cagers outplayed a taller Indiana State five in the most exciting sixty minutes of sport offered to Armour for a good long time, but victory was missed by five points, 48-43.

Capt. Lauchiskis reached the peak of his career in this, his last game, as he led his team of inspired "underdogs" to a 22-20 lead at the half. Some underdogs — and they were still fighting, now to regain the lead, with Lauchiskis out on fouls; at a 43-40 score late in the last half. Tech was tripped again when Bob Merz went out on No. 4, and Indiana held their lead; but they knew they had a ball game behind them as the gun rang down the season's curtain!

The opposition's success was very largely due to the efforts of Miklozek, 6 foot 7 inch center, who tallied 15 points. Watson, with 13 points, was a big help also.

Armour Slow to Start

The game started with a bang when Armour got the tip-off only to have it intercepted and plunked in by Miklozek. Tight defense by Indiana kept the Techawks from scoring in the early seconds of the game, but, the defense once pierced, the Armour men set out to give their foes the merry run-around. Started off by Merz's volleyball shot and Dollenmaier's two gratis heaves, the Techs completely baffled the State men by their brilliant attack. Lauchiskis shone with two beautiful underhand twist shots, and the inspired Heike slid in three of his side-court specials. The end of the half saw the Teachers trailing 22-20.

The second half opened unsatisfactorily for the Techawks when Indiana promptly knotted the score by rolling in two frees. Al put Armour out in front by retaliating with the same quota, and, a second later, went out on fouls. Armour sank a close shot, and Indiana followed suit. Coach "Wally" Marks suddenly found fault with some of the officiating and called off his team. Some caustic remarks were dropped by both sides and for a time it looked as if the finale might be an old-fashioned free-for-all. But some fast talking on the part of referee Scott straightened things out and play was resumed. Merz was banned on fouls, and from then on the game looked glum. Though Warner, Dolly and Hieke rifled in some beautiful long-range shots, the Techawks were unable to make up the deficit. The game ended with Indiana out in front, 48-43, and the dejected Techawks left for the Frost-Soph hop to live it down.

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To Lecture on Eugen Duehring on Thursday

Professor Hanns Fischer's lecture on Eugen Duehring, Germany's most versatile genius, will be given on Thursday, February 28, at 10:30 in F Mission. It was originally scheduled for last Thursday at 10:30, but Dr. Preston Bradley's speech on the observance of Washington's birthday, necessitated the postponement. The lecture will be given in English, and all students are invited to attend.

The members of the German Club, fifteen in number, are contemplating a series of activities for the coming semester. The members of the club are required to have a working knowledge of German as conversation is carried on in that language. Dues are charged to clear expenses incurred by the activities which the club sponsors.