



By Albert M. Lane

THE NEXT ISSUE of the *News* will bring to this column a new line of thought. May its sponsor enjoy the fullest measure of success in the purpose toward which the comments are directed. To you, Successor, and to each of your fellow staff members is here extended a hearty greeting and a sincere token of confidence in your ability to deliver a paper in quality second to none. May every issue you produce be met with acclaim.

WITH THIS ISSUE must be brought to a close the efforts of the writer to influence thought toward channels of public concern. That effort has been expended with a hope of stimulating interest rather than from a desire to prejudice opinion. So it is with perfect freedom that appreciation can be expressed to those who have found it convenient to comment upon the material whatever their inclinations may have been.

AN ASSOCIATION OF ideas has grown out of musing over the termination of these endeavors. Reflection brings to mind the admonition of an aged and sage professor—"You must get the data, for without it you cannot get the gist and without the gist the subject matter is lost to you." The association couples the reflection with current conditions. The press has many people influenced to a belief that the national constitution is in extreme danger of being abrogated. The influence has been effective in providing them with a thorough knowledge of provisions that the constitution does not make. Burdened as they are with misinformation, they feel in duty bound to rise to the defense of the foundation of our governmental system.

WERE these individuals to gather the data before them, were they to read the constitution, catch the gist, and know the subject matter, how quickly would they relieve themselves of their grave concern. Should they seek the history of the modification.

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Substitute Librarian Relieves Miss Verwey

Miss Esther E. Chesire has temporarily taken the place of Miss Ruth Verwey as assistant librarian in the Armour Library. Miss Verwey is on leave of absence at her home in Wisconsin. During the Christmas holidays she suffered a nervous breakdown, and will not be back until March 15.

Miss Chesire is from Anamosa, Iowa and received her B. A. degree from the University of Iowa. Later she had special training at the University of Illinois Library School and has been working as librarian at the Sabin High School in Chicago under a PWA project.

Education Group to Meet Here in April

Professors Finnegan and Peebles represented Armour at a meeting of the executive committee of the Illinois-Indiana section of the S. P. E. E. last Saturday at the University Club.

A program was discussed for the regular annual meeting to be held at Armour in April. The Illinois-Indiana section was organized last year and met at Purdue last April.

Members of the executive committee are: Professors Finnegan and Peebles from Armour; Professors Willie and Serviss of Purdue; Mr. Chinn of Rose Polytechnic Institute, and Dean Jordan and Professor Shedd of the University of Illinois.

Faculty Increased For Co-op Course

Two Men Added; Expect Seventy Students

Seventy students, it is expected, will enroll in the new co-operative course in mechanical engineering starting next semester, half of these beginning an eight week course in mathematics, English, and drawing. During these eight weeks, the other thirty-odd men will work in the employ of their respective companies, and then attend school for eight weeks while the others fill their places at the plant which hires them. The co-operative students' year will be composed of 24 school weeks, 20 weeks for work with a company, and two weeks of vacation.

Two Professors Will Be Added
Two additional professors who will be employed as a result of this co-operative plan are: Dr. Carl G. Anderson in mechanical engineering, and Dr. John J. Corliss in mathematics.

Dr. Anderson graduated from Armour in 1930, and has worked two years in the Bell Telephone Laboratories in New York. He received his master's and doctor's degrees at the University of Michigan. Since last summer he has been doing research work at Armour with Professors Huntly and Peebles, and has been teaching mechanics in evening school classes.

Dr. Corliss to Teach Part Time
Dr. Corliss has also been teaching in the evening classes this semester. He will not give his full time at Armour next semester as he also has classes at DePaul. He graduated and received his master's degree from the University of Mississippi. His Ph. D. degree was obtained at the University of Michigan in 1930. Dr. Corliss taught one year at Texas Christian University and five years at the University of Michigan. During the past two years he has worked in the actuarial department of the Hercules Life Insurance Company.

Films of Oil Fires Shown at Meeting

Mr. A. Gent, of the Illinois Inspection Bureau, will speak before the Fire Protection Engineering Society on Friday, February 14. His subject will be, "Town Water Supply Systems."

Last Friday, Mr. C. P. Holmes of the Western Actuarial Bureau, gave an illustrated lecture on "Oil Fires." Three reels of film were shown: two of a Sinclair oil fire, and one of a European fire, which had burned for five years before it was extinguished.

The fire of an oil well, in Texas, burned about 20,000 barrels of oil a day until it was extinguished by the McKinley brothers. These two men have a queer job to perform. When all other methods of stopping an oil-fire fail, these two men are called in.

The debris is cleaned away while the well continues to burn. An airplane motor mounted on a truck is used to keep the flame to one side, while these two brothers attach cables to pull the burnt material away. Streams of water are played on the two men to keep their asbestos suits cool.

A hole is drilled and a charge of nitroglycerine inserted. After the explosion, strange as it may seem, the fire is immediately extinguished. For this accomplishment, they were paid \$15,000 for five days work in intense heat.

Mimeograph Moved To Better Location

Having been completely reorganized, the mimeographing department has moved from its former location in the cloak room to more convenient and spacious quarters in the room off the first landing in the Main building. The old machine has also been provided with a specially constructed cabinet and files for stencils have been made available. N. Y. A. students are employed in this department under the direction of Mr. George Bursach.

'News' War Poll Shows Diversified Opinions of Eighty-Eight Students

Eighty-eight ballots, representing about ten percent of Armour's students, were cast in the recent war poll conducted by the *Armour Tech News*. This number is slightly greater than the number of ballots cast when the poll was held at Purdue University where 72 votes were obtained.

Two Favor Fascism
Your own conclusion can be drawn from the fact evinced by this questionnaire, that there are infinitely more Fascist sympathizers at Armour than at Purdue since there were two students here who were in favor of a Fascist dictatorship, while there were none at Purdue. Those who fear a Communist regime have even more to fear from Armour, as there are three communistically inclined students here, a striking increase over the number at Purdue, which was two.

It is interesting to note that opinion as to the efficacy and value of the League of Nations has been almost evenly divided, and that more students were doubtful about this issue than about any other.

Private Arms Sale Gains Disfavor
Those who voted seemed to believe, for the greater part, that the manufacture and sale of armaments for private profit should be prohibited. Also striking was the nearly unanimous opinion that foreign investment.

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Technical Advice Needed in Courts

"Engineers at the Court" was the topic of Mr. E. B. Woodworth, patent attorney, who spoke before the joint meeting of the A. S. M. E. and A. I. E. E. last Friday.

Throughout his discussion Mr. Woodworth gave examples of his experience as a technician and as an administrator. As an administrator during the World War for the training of enlisted men in the technique of handling the internal combustion engines, he was proud to point out that the Armour Institute of Technology was the most efficient in the Central West.

"The courts usually need information and instruction," reminded Mr. Woodworth, "and engineers play an important part in rendering this service." Integrity, absolute honesty, and knowledge of facts are essential for successful practice, according to the speaker.

Quoting the words of a past President of A. I. E. E. Mr. Woodworth paraphrased the philosophy of "he who knows more and more about less and less" and "he who knows less and less about more and more." Detailed knowledge of one or two things is all that a successful engineer needs, advised Mr. Woodworth, as viewing the details from too great a distance blurs them.

Chemicals View Tests at Underwriters' Lab

Through the courtesy of the Underwriters Laboratories, a group of junior chemicals were able to make an escorted inspection tour through the entire building, on Tuesday, Jan. 21st. There were 20 men in the party.

The most spectacular part of the trip was the demonstration of a new fire-and-water-proof glass, which has been devised by the laboratory technicians. This glass was built in a model factory wall and subjected to great heat and flame which resulted only in a slight buckling of the panes. Streams of ice cold water were played upon the intensely hot glass without damaging the pane in any way.

Another popular section of the material testing laboratory demonstrated the testing of safes. The safes were heated red-hot and then dropped from the top of a three story tower to a heap of bricks at the bottom.

The next issue of the *Armour Tech News* will be distributed on February 18.

To Announce Staff of 'News' at Banquet

Announcement of the staff of the *Armour Tech News* for the following year will be made at the annual *News* banquet on the evening of February 12 in the Student Union. This is the last issue of the present staff; the new staff will start work at the beginning of the second semester.

Arrangements for the banquet were made by a committee composed of W. J. Chelgren, J. S. Cullison, N. Gerber, R. R. Johnson, and J. M. Sheehan. All active members on the *News* staff have been invited, and the members of the Student Publications Advisory Committee, consisting of Professor W. Hendricks, chairman, and Professors W. W. Colvert, J. B. Finnegan, J. F. Mangold, J. C. Peebles, and C. E. Paul, will probably attend.

"Develop Personality" Advises R. B. Harper

Mr. R. B. Harper, vice-president of the People's Gas, Light, and Coke Company gave an informal talk last Friday before a meeting of the A. I. Ch. E. Personal observations based on contacts with more than 500 graduate engineers in the gas industry formed the basis of his talk.

According to Mr. Harper there are still many opportunities left in gas engineering for the college graduate. Former developments were empirical, but a need for men with technical ability is now apparent. Answers obtained from a recent survey sent to 1500 successful engineers brought out the fact that only 13% of a man's success was due to his technical ability, the other 87% being due to personal characteristics. Among the latter is the ability to analyze one's self, being able to see another man's point of view, and talking in his language.

A COED! ARX GET ALL THE BREAKS

By L. Cuneo

The architects (something is always happening to them) are pleasantly surprised at finding that there is soon to be a coed in their midst. The unsuspecting lamb is a Miss Frances Poe, an industrial art designer. Miss Poe has an office on north Wacker drive. (Yes, we're afraid so,—she can take care of herself.)

Miss Poe is a tall, pretty brunette; having besides brain, both this and that. The engineers, however may rest quietly, because she is only enrolled in the architectural design and history of architecture courses.

Speaking of history we wonder how it will go in Ted Hoffmeister's history of architectural classes. Since Miss Poe will be a freshman, the frosh anticipate that from now on upper class niggers will be plentiful. Although we realize that the freshmen are all gentlemen of refinement and breeding, we imagine that the fair damsel is going to catch a certain amount of embarrassment. Can you imagine Jacobowski, for instance, ejaculating, "Oh Fudge!" after someone spills ink on his plate?

Many interesting customs will be curtailed probably even Mikolajczyk's picturesque booklets, and Mosely's avid anecdotes. It has even been suggested that the freshman room be cleaned, and pink curtains be hung at the windows, but such is neither possible (especially the cleaning part) nor probable.

A.T.A.A. Is Topic As Juniors Meet

The oft-postponed A. T. A. A. assembly is to be held by the junior class next Friday at 10:30. According to J. F. Bartussek, president of the junior class, arrangements have been made for the assembly, and it remains only for a turnout of the junior students to insure a discussion of the constitution.

D. J. Neal president of the A. T. A. A., expressed the wish, when told of the junior class meeting, that the seniors meet with the juniors and thus expedite the discussion of the A. T. A. A. constitution. A general assembly of the school will be held during the early part of next semester at which time a vote will be taken on the constitution.

First Soph Jackets to Be Ready Friday

A new type of sophomore jacket will make its appearance on the Armour campus next week after distribution at a meeting next Friday at 10:30.

It is a sport jacket with a red wool body, sand-dust colored leather sleeves with suede cloth lining, zipper front, and a yellow monogram.

About a quarter of the class have ordered jackets and more are expected to be ordered later in the semester. Complete payment must be made for the jacket at the meeting.

OFFER GRADUATE STUDY COURSES IN NIGHT SCHOOL

Five Subjects to Cover Four Departments

For the first time in the history of Armour Tech, an organized post-graduate program is being offered in the evening school, so that a master's degree may now be obtained by studying in evening classes.

Four Courses Given

The courses start with the second semester and include distillation and fractionation, sewage and water disposal, Diesel engineering, electron tube circuits, and physics of electron tubes. If there is enough interest in the work, all five courses will be given. It is impossible at this time, because of early registration to tell definitely where this interest is and which courses will be given.

Announcements Distributed

Announcements of the courses have been distributed to the graduates of the last five years in chemical, civil, mechanical, and electrical engineering, the departments embraced by the newly offered courses, and to the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, the Western Society of Engineers, the American Institute of Chemical Engineers, the American Chemical Society, and the Chicago Physics Club.

Answers Wide Demand

Although there is a steadily increasing demand by practicing engineers in the Chicago area for graduate work in engineering, there has been no opportunity for it until now. Many men who would like to continue their higher education in engineering cannot do so because of their inability to attend day classes.

Armour Tech is attempting to fill the demand in spite of the many handicaps which present conditions have established. It is hoped that the graduate program will meet with popular demand and enlarge from this meager beginning to a strong post-graduate program. General interest and popular demand will determine Armour's attitude toward this program.

ARX DANCE TO BE HELD FEBRUARY 7 AT STEUBEN CLUB

Jimmy LeRoy's 10 Piece Orchestra to Furnish Music for Evening

BID PRICE IS \$1.25

"The Charette," more familiarly known as the Arx Dance will be held on the eve of Friday, February 7th, in the spacious Grand Ballroom of The Steuben Club, situated at 188 West Randolph Street.

The dance committee—B. Nobler, A. Ramp, E. F. Schmaltz, R. Becker, and H. P. Lohmiller—have succeeded in obtaining Jimmy LeRoy and his popular ten piece orchestra which features an electrical "singing guitar." Jimmy LeRoy is well known as master of ceremonies among north side schools and organizations and according to the committee will positively play at future affairs.

Offer Free Bid

Irving Addis is the designer of the attractive and unique bids which are conveniently priced at \$1.25. Special promotion of sales is in the form of a contest, in which all those who sell five bids will receive one gratis as a reward.

One free bid and two half bids await the three winners of a poster contest which is being sponsored to stimulate student interest in the dance. All entrants have their posters on exhibit in the halls where they have given the dance a great deal of publicity.

Invite Arx Profs.

Several of the architecture professors are receiving invitations to act as sponsors of the dance.

"Charette," incidentally, is the mysterious French term that is applied to the period when those industrious architects who, after months of loafing, discover that within five days their projects are due.

They then proceed to teach themselves that it is an impossibility to do four weeks' work in one. Thus: "Night-life of the Arx!"

Forty-Nine Take Scholarship Exam

With five scholarships for the freshman year at Armour as awards, the annual mid-semester scholarship examinations were given to forty-nine high school students from the Chicago area on Saturday, January 18. The junior marshalls of last May helped conduct the examination, and all of the students were entertained afterwards at the Student Union. Following are the five who have been selected as the scholarship winners: L. A. Bain Jr., Oak Park High School; M. Goldsmith, Crane High School; P. Kosovski, Tilden High School; M. Mahnke, Schurz High School; and D. Parks Jr., Lindblom High School.

The following alternates have also been selected: F. L. Anderson Jr., Lindblom High School; M. Anderson, Calumet High School; R. G. Hedlund, Amundsen High School; N. Levine, Roosevelt High School; and C. D. Pierson Jr., Lane High School.

Radio Club to Buy a New Short Wave Set

At a meeting held last Friday, the Armour Tech Radio Club, W9YW, voted to buy a new short-wave radio receiver. Plans were also made to remodel the club's flat in Chapin Hall. Interest in the club has been shown by a rise in the membership and by the spirit exhibited by the present members.

The club's transmitter which was constructed during this semester, is still undergoing experimentation and adjustments. Its range and efficiency is increasing steadily as the work continues. Last year England and Australia were contacted.