



# Armour Tech News



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By Albert M. Lane

OUR LOCAL aspirant to the presidency last week exhibited his inadequacies in a twice delivered bit of oration intended to impress his audience with the injustices perpetrated against the American people in general and certain newspapers in particular. One who had heard neither the initial effort, expended at the annual dinner of the Michigan Press Association, at East Lansing, nor the latter radio presentation might have been astonished at failing to find the text of the address published in the man's own newspaper. Not so with those who heard. They understood.

THE SPEAKER traced the current newspaper attitude of hostility toward the administration back to General Johnson's rejection of the McCormick framed newspaper code. The specific names were omitted, as was mention of the usurpations attempted in the original draft; but the deal was a bit too raw for the public to have so soon forgotten. A further indiscretion, too obvious for publication in a community where the government has been forced into the banking business because of failure of debtors of the Reconstruction Finance Corporation to meet their obligations, was committed with denouncement of the entry of the government into paternal direction of private enterprise. Expression of resentment over "the spending of people's money for political purposes" would not read well for a people so cognizant of the Dawes affair. Those same people could hardly be expected to swallow the yarn of newspaper independence being an outgrowth of pyramiding advertising revenue. Whatever courage could have permitted the dissemination of those exposures, it still would fall short of being enough to flout the speakers lamentations of the tendency of the modern public to seek light by way of the radio rather than from the press. This last heresy was a bit too much.

A REVIEW of decisions recently handed down by judges of long bench tenure might well lead to the conclusion that there is no exact law on the statute books. The rulings made by judges in congruent cases heard in the same court have been, on several occasions, exact opposites. An outstanding example is to be found in the contrast between a denial and a grant of plea by two federal judges sitting, respectively, in identical cases. Federal Judge James H. Wilkerson denied the combined plea of Wilson and Company units for release of AAA processing taxes impounded in his court. The denial was based upon the fact that, although the Supreme Court had by majority decided the AAA unconstitutional, the Supreme Court had not yet issued its mandate on the AAA and that a rehearing and reversal are still possible. Federal Judge John P. Barnes had ordered the release of similar funds on the day prior in favor of seven packers and a milling firm. Is the

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## Haase Chosen Head Of Alpha Chi Sigma

Alpha Chi Sigma, national professional chemical fraternity, held an election of officers for the coming term last Wednesday. Those chosen were J. A. Haase, master alchemist; W. F. Schreiber, vice master alchemist; H. O. Bauermeister, secretary; O. Zmeskal, treasurer; L. W. Robb, master of ceremonies and P. R. Schultz, reporter.

A faculty advisor for the fraternity has been chosen, Professor Barr having agreed to take the position. Two men, W. R. Marshall, a sophomore, and W. J. Tallafuss, a senior, were pledged recently.

## Plan to Form a New Staff for "Engineer"

With a view towards organizing a new staff for the *Armour Engineer and Alumnus*, sophomore and freshman students with exceptional fine English records have been invited to attend a meeting in G Chapin Hall today at noon. Members of this group will also be invited to take the course in "Advanced Writing," which will be substituted for the regular English course, the second credit being given for work on the student publications. Juniors and seniors who are active on publications or who have had very good English records are welcome to take this course.

## 500 TICKETS ARE DISTRIBUTED FOR THEATER CONCERT

Since they were placed on sale last week, about 500 tickets to the concert Armour's Musical Clubs are to present at the Goodman theater on February 28 have been distributed to students and members of the musical organizations. George Ormsby, president of the musical organizations, urges those faculty members and students who have not yet done so, to place their ticket orders this week if they wish to secure good seats.

### Hold "Dress" Rehearsal

The concert will be given February 28 at 8:30 p. m. in the Goodman Theater. A contest has been announced for the members of the clubs. At the last rehearsal before the concert—the "dress" rehearsal—members are required to come attired according to the number of tickets they have sold. Members will start from scratch with a pair of shorts. One ticket sold will add a pair of socks, two tickets will add a pair of shoes. If the contestant sells three tickets he may wear a pair of long pants, and so on, until the fully attired musician, with overcoat, must have sold eight tickets.

### Concert at Y. W. C. A.

Last Friday the orchestra and glee club appeared before a group at the McCormick Y.W.C.A. A dance was held after the concert, the music for which was furnished by a good dance orchestra, of which R. M. Paulsen, soloist in the school orchestra, is a member.

Concerts scheduled for the near future include one on Feb. 5 before 700 members of the Illinois Central Boosters Club, one later in the same month to be given at the Shawnee Country Club, and one concert at the National College of Education in March.

## Party of Radio Club Is Occasion of Gift

A new Zenith radio was donated to the Armour Tech Radio Club last week, on the occasion of the club's card party in the Student Union. Given by the Zenith Radio Corporation, the set was obtained through the efforts of Professor Moreton.

Many faculty members were among the 120 who attended the party.

The club was fortunate in securing the loan of a condensing microphone from WLS, while R. J. Colin loaned the public address system to the club. Fourteen companies donated samples of their products, which were used as door prizes.

Besides the card-playing there was buncos, and a prize of a beautiful double-deck set of playing cards to the winner at each table. At ten o'clock, there was a formal welcome by R. B. Mansfield and a talk by Prof. D. P. Moreton.

Following B. F. Heine's accordion solos, a vocal selection by Miss Peggy Prewitt, and a piano solo by Mr. Carl Weigel, an act was put on by J. Speropoulos and C. H. Boborg. This concluding act of the program was followed by refreshments, and the evening ended with the singing of the fight song.

## Interview 110 For New Mech Course

### To Do Semesters Work In Eight Weeks

Approximately 110 students have been interviewed by Professor Finnegan in regard to Armour's new co-operative course in mechanical engineering with more coming in every day. These students have all the necessary requirements for admission. It is expected that the registration for the course, to begin next semester, will include about 100.

L. J. Lease, who was recently appointed co-ordinator of the co-operative plan, has interviewed a large number of manufacturers, and most of them are definitely in favor of the plan. The firms to give employment to the prospective students are all engaged in metal working industries.

### Five Year Course

The new co-operative plan will enable deserving students without sufficient funds to pay the costs of a college course to alternate between work in college and work in industrial plants. The course will take five years, and will be equivalent to a regular four year course including the same subjects. The men will attend special classes for co-op students for three eight week terms and will work for one eight week term and three nine week terms, comprising a period of fifty weeks.

### To Increase Faculty

One semester's work in a subject will be completed in eight weeks, the homework assignments being doubled. No more work, however will be given to the students under this plan than to the regular students, as the number of subject taken will be only half of those taken by the regular student at any one time. Additions to the faculty will be made to take care of the increased schedule made necessary by the special classes for the co-op men.

## Local A.S.M.E. Is Convention Host

The Armour branch of the A. S. M. E. will act as host to the annual midwest convention of student branches of the society to be held in Chicago on April 21 and 22, it was announced at a meeting last Friday. During the convention, which usually takes place at the Allerton Hotel, delegates from each of the student chapters will present fifteen minute papers on technical subjects.

Cash prizes are offered for the best three talks presented. It is planned to select the Armour delegate within the next few weeks from those who present a paper during one of the regular meetings of the Armour branch.

A marketing research survey conducted by the management division of the A. S. M. E. has also received the cooperation of the Armour branch. Arthur H. Rice has been chosen to head a committee of five upperclassmen who will interview executives from several conveniently located industrial concerns and determine the present status of marketing in industry and the employment of engineers.

## Thompson Elected National Delegate

Prof. J. S. Thompson, chairman of the physics department at Armour and chairman of the Chicago chapter of the National Association of Physics Teachers, was elected, when the local group met on January 1, to represent the Chicago group at meetings of the national organization. At this meeting, a discussion of the science meetings at St. Louis was led by Professor Lemon of the University of Chicago and Professor Bookstahler of Northwestern University. Besides Professor Thompson, Professors Colvert, Potter, Sear, and Sprague of Armour attended the local meeting of the physics teachers.

## R. B. Harper, Ch. E., to Talk to A.I.Ch.E.

Continuing its series of talks on chemical engineering as related to various industries, the Armour chapter of the A. I. Ch. E. will have the subject "Progress of the College Graduate in the Chemical Industries" at its meeting next Friday. The speaker, Mr. R. B. Harper, an alumnus in chemical engineering of the class of 1905, will discuss the method of employing and promoting chemical engineers which he has developed for the Peoples Gas, Light and Coke Company, of which he is a vice-president.

Mr. Harper is also a member of the Armour board of trustees. He has become internationally known for his work on the properties and distribution of municipal gas supplies.

## New Problems at Boulder Dam Told

Mr. R. A. Kirkpatrick, a special representative of the Union Pacific Railroad company, gave an illustrated lecture on the construction and location of the Boulder Dam, last Friday morning in the Assembly Hall. After his introduction by Dean Heald, Mr. Kirkpatrick addressed his audience from the stage, before showing several pictures of Boulder Dam.

The greater part of the talk reveals the uses and the effect of the project on the American people. Among the startling facts revealed was the statement that since the flood gates on the Colorado River have been shut, there have been no earthquakes in lower California. In the past the river dumped all its sediment at the mouth of a bay on the California shore, and formed a delta which has become known as the Imperial Valley, a very fertile region. As more sediment was deposited every year, the river bed was raised for many miles back. Three hundred and thirty tons of sand per minute is carried by the river.

The momentum of the river is so great that although the lake is now nearly ninety miles long, it flows along the bottom of the lake and bubbles up at the base of the dam itself. In time, the sands will have to be pumped out by great force pumps.

Within a radius of five hundred miles from Boulder City, one hundred stations have been set up with the finest technical instruments known for the purpose of studying and measuring the effect of the weight of all this sediment and the

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## Hold Examination for Scholarships

For the second time, Armour Institute of Technology held a freshman scholarship examination in the middle of the school year, last week. As in last year's examination, five full scholarships, each for one year, will be awarded to the most outstanding men. Five alternates will also be chosen.

No increase was seen in the number of applicants to take the examinations this year; about 50 men competed. Of the high schools sending contestants, Tilden Technical High School led with nine men; Lane and Roosevelt each had five men competing; and Calumet, Lindblom, and Schurz each sent four.

As in the past, the five winners will enter in February and can, by attending summer school, enter the regular sophomore class next September.

One man from outside the state, a Detroit, competed in the scholarship examinations this year, as compared with two last year.

The examination was of the customary type, the subjects given including mathematics, physics, and chemistry. The candidates' ability in English was judged on the basis of an oral interview and on the grammar used in the examination paper.

Have you cast your war ballot? The deadline has been set at January 23, so cut, tear, or rip your ballot out of last week's NEWS and deposit it in the NEWS box in the Main building lobby at once.

A two hour course in Light will be offered as an elective next semester. The course will include three hours of laboratory work and one hour of lecture per week. Those who are interested are urged to see Prof. W. W. Colvert at once, so that proper provisions can be made.

There will be a meeting of all members of the editorial and sports departments of the *Armour Tech News* today at 12:30 in the News offices.

## Shops to Offer Welding Course

Electric and acetylene welding, heat treating, and forging will be offered next semester in the second of Armour's shops to be opened. Since all were closed three years ago.

This will be a special course designed to cover the work that the present seniors haven't had; the juniors and other students will follow the regular shop courses as outlined.

The present plan will require the mechanicals and electricals to take four semesters of shop, and the chemicals and fire protects two semesters.

### Third Shop Opens in Fall

Next fall a third shop will be opened in what used to be the foundry, and the course will include the making of all types of castings such as green sand molds, permanent molds by means of centrifugal casts, pressure casts, and shell or slush casts. The course will also include die-casting if the proper equipment is acquired.

### To Give Microscopic Analysis

Supplementing the courses next fall will be a study of the physical properties of the metals worked on in all shops by means of microscopic analysis.

The microscopic analysis will enable the student to judge the quality of the welds that he has made. The heat treating analysis will show the effect of working a metal at too high a temperature.

In the future, the shop courses will not be known as foundry, forge, and machine shop but will be designated, respectively as molten metal processes, hot work processes, and machinery processes.

## Seniors Formulating Plans for Graduation

Senior committees preparing for the many details of graduation are becoming increasingly active as the first semester of their last year at Armour nears an end.

Most of the individual pictures have been taken already at the Montfort Studios. Group pictures will be taken during the second week in February, according to J. B. Davis, chairman of the photography committee and editor-in-chief of the *Cycle*.

Graduation keys and rings have been ordered by about one-third of the class. The rings and keys were standardized three years ago. The jewelry committee, with I. M. Hughes as chairman, is acting to have the jewelry standardized for a longer time.

Bids and dummy copies have been submitted by five companies for the graduation announcements and an order will be placed around the first week of the second semester. Covers for the announcements will probably be made of black leather with gold inlaid letters. J. E. Linden is chairman of the committee.

The cap and gown committee, with G. F. Hagenauer as chairman, will not begin its work until the second semester.

## LAKE FOREST WINS FROM TECH, 36-24 IN WEEK-END TILT

## Armour Fades in Last Quarter to Lose Tough Game

## MORE LUCK AT HOME!

BOX SCORE									
Lake Forest (36)					Armour (24)				
Emery, f.	2	5	1	1	Heike, f.	4	2	2	1
Rouse, f.	1	0	3	3	Warner, f.	2	1	3	0
Christensen, c.	5	3	2	0	O'Connell, f.	1	0	0	3
Eisemann, c.	1	2	0	0	Merz, c.	3	1	2	0
Graves, c.	2	0	1	0	Wagner, c.	0	0	0	4
Larsen, c.	2	0	1	0	Shuker, c.	0	0	0	2
Dalaker, c.	0	0	1	0	Dollemaier, c.	0	0	2	0
Totals	13	10	9	1	Totals	10	4	15	0

A 36-24 score can never do justice to the Armour-Lake Forest game of last Saturday. With a 16-12 score against them at the half, the Techmen came back to build a 16-up tie, and to tie again at 18-18; but faded perceptibly in the last quarter as the suburbanites began a barrage that really cinched the game.

### Effort Exceeds Technique

Until the last eight minutes, the game had everyone whooping and the referees bothered, as the boys on the floor let effort exceed technique until the game was on ice.

Although Christensen, Lake Forest center, was the standout of the game, diminutive Captain Bill Emery got in the Armour hair consistently. His first effort, an under the basket shot, gave the home team the lead in the first seconds of play, but some time elapsed till Warner "posed" in a clean long shot. Christensen and Emery cashed in on free throws and Chris hooked a beauty around Merz for a 6-2 count. After Merz counted on a gratis toss, Rouse went down mid floor to push the score to 8-3; and Armour began!

### Armour Takes Lead

Heike pushed in Wagner's shot and soon wowed the fans with an impossible over-the-shoulder shot, but missed the free throw for a foul on the shot. Rough play gave Emery a free point, and then Pop Warner, unable to work the ball in, deliberately poured in another long. Heike's free throw gave Tech the lead, 10-9, but Lake Forest regained a margin ere the half ended, 16-12.

### Long Shots Ruin Armour

The deliberate play of the first half, with few wasted shots, was the tempo of the second period, which Merz opened with points for Tech. Jack O'Connell went around the side for a nice pushin, and later dribbled down the floor, bounce-passed to Heike, who counted on one of the game's prettiest plays. Two Lake Forest free shots just before this put the score at the 18 tie, but then fireworks started. Though play was tight, long shots, all "hands" participating, ran the opposition's count to the big winning score. Two buckets by Merz and a couple of penalty tosses concluded Armour's efforts.

## Change Organization of Armour Players

Because of many irregularities in the former system, the Armour Players have become a permanently organized group. This was their decision at a business meeting held last Wednesday, presided over by R. P. Lischer. In the future, members will pay dues and have access to a special library, lounge, and meeting rooms.

Formerly, plays were announced for production by the appearance of a notice on the bulletin board giving the time for student try-outs, but this system has proven inadequate. From now on casts for plays will be chosen directly and entirely from members of the club.

Professor Hendricks, faculty advisor of the club, announced last week that players will receive a minor credit in dramatics for active participation.