



# Armour Tech News



Vol. XI No. 6

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 21, 1933

## MEDINAH ATHLETIC CLUB CHOSEN FOR FROSH-SOPH HOP

### Jack Chapman and Band Is to Be Featured

### PRESIDENT TO ATTEND

March may have come in like a lamb and it may go out like a lion, but whether it does or not, that last day of March will be a red-letter day for students at Armour Tech. For on that day the freshmen and sophomores will give their annual dance at the Medinah Athletic Club with Jack Chapman as master of melodies. That evening, the engineers forget their difficulties at school, the night is filled with music, and only an air of festivity prevails.

### Chapman Popular with Engineers

Both Jack Chapman and the Medinah Athletic Club are known to the students and speak for themselves. Jack Chapman played at the freshman-sophomore dance last year and was so popular with the engineers that he was elected again to create the musical atmosphere at this year's dance of the underclassmen.

The Medinah Athletic Club was the scene of the Senior Informal in 1931 and is conceded to be an ideal place for a dance. It has a marvelous dance floor, beautifully lighted, and its spacious lounges can accommodate anyone who prefers to "sit out" a dance.

### President Hotchkiss to Attend

Seldom has a president of Armour Tech been prominent at social functions given by the students. However, this year President Hotchkiss, who expressed his desire to see how the Armour boys run their social affairs, and his wife will be the guests of honor at the dance. Other prominent faculty members plan to attend as well.

Bids have been selling fast, and all indications are that there will be a good crowd present, whether or not there is a depression and bank moratoriums. However there are still some bids available and may be obtained from the following members of the freshman and sophomore social committees: J. J. Acers, E. R. Fenske, G. W. Wheaton, R. H. Wittkindt, W. R. Ahern, W. A. Trudelle, sophomores; and L. M. Hughes, H. J. Niemann, W. H. Fogle, R. A. Peterson, and C. R. Ford, freshmen.

## Musical Club in Belmont Concert

Last Friday evening the Armour Tech Musical Clubs presented their most important program to date this semester. This big event was a concert and dance at the Belmont Hotel, which was sponsored by the Chicago Teachers College.

The program consisted of some numbers by the orchestra, songs by the Glee Club and octet, and selections by the three parts in combination. The solos which were given at the concert were a trombone solo by Willis Kramer, a vocal solo, "At Dawning," by Marshall Nystrom, and the bass solo of "The Ranger's Song" by Alexander Kulpak. After the concert the members of the Musical Clubs were invited to the dance which made a splendid finish to the evening.

The octet sang five songs on the program for the Men's Brotherhood at the Northminster Church of Evanston last Sunday night. Mr. J. P. Sanger, who was the master of ceremonies and who invited the octet to sing, is a member of the '21 class of Armour.

After the hard work that Mr. Erickson, the director, and the members of the Music Clubs have put on this concert, they are enjoying a comparatively quiet period of rest for an indefinite time.

## NAME CONTEST

The deadline for the naming contest is Thursday, March 23. All suggestions must be turned in by that time.

## Faculty Discuss Institute Plans

At a meeting of the entire Armour faculty last Tuesday morning, President Willard E. Hotchkiss discussed the action which will be forthcoming from his study of Armour Institute problems. Four weeks have been spent in a thorough investigation of the financial and administrative setup of the school, and as this study nears completion, he said, it is possible to observe the direction in which immediate action must be.

Emphasizing the fact that there is no question about the continued operation of the Institute, Dr. Hotchkiss told the faculty that funds were needed more particularly for improving the effectiveness of the work and in the near future for building and endowment. He pointed out, however, that stringent economies in operation were called for in times when such general financial uncertainty prevailed, and that the investigation had revealed ways in which these economies might be effected.

It is his job and theory, Dr. Hotchkiss stated, not only to see that such savings are made whenever possible, but also to start at once the working out of individual adjustments embodied in the Armour development plan. This work, he said, would go forward promptly, and he outlined what would be the first steps in handling the curricular and administrative problems with which they will be faced in carrying out the program. First efforts will be directed to the broadening and general liberalization of curricula, according to the recommendations of the Development Committee.

## F.P.E.S and A.S.M.E. See Film at Meeting

A motion picture with sound, was presented by Mr. H. R. Roberts of the Plymouth Cordage Corporation, last Friday morning in Science Hall. His services were acquired through the efforts of Earl T. Sorocan for the members of F. P. E. S. and A. S. M. E.

The film presented was entitled "The Romance of Rope" and portrayed the many uses of rope, methods of preparation, and growth of the industry. All of the pictures were explained in sound by one of the officials of the Plymouth Cordage Corporation.

## Professors Speak to High School Students

Yesterday Professor Nash spoke to a group of students at the Deerfield-Shields high school, and on Tuesday, March 4, Professor Mangin spoke to 125 juniors and seniors at the Downers Grove high school. Last week, Professor Heald addressed 150 students at Oak Park high school. Early every spring it has been the custom for Armour professors to visit the various high schools in the Chicago area and speak to groups of students who intend to study engineering. This plan has proved very successful as it informs the prospective student of what he may expect in college.

Tomorrow morning Professor Freeman will speak to the students of Evanston high school.

## SET DANCE DATE

The date for the annual Interhonorary dance has been definitely set for the evening of April 21. It is planned to make this a dinner dance if sufficient support is had.

A committee to make arrangements for the dance has been appointed and consists of Carl Clanton, Earl Beard, and Franklin Paine. According to Wilfrid Davies, the scene of the affair is to be set soon.

## Armour Players Announce Cast

The mystery of the play which the Armour Players are scheduled to present at an assembly on Friday morning, April 7, was further unraveled this week with the announcement of the cast by W. W. Davies, president of the group. The name of the play is still a secret, however, despite numerous attempts of the News reporter to find it out.

The cast as announced yesterday consists of Eugene May, Wally Anderson, W. W. Davies, Clarence Clarkson, and Robert Anderson. Carl Clanton is acting as stage manager for the production, and the lighting is to be handled by Hugh Stibbe, William Hoffman, and Robert Meyer. It has also been rumored about that the play has been made possible through the generosity of several members of the faculty.

The Armour Players were greatly pleased with J. M. Spurge's famous comedy, "The Playboys of the West-ern World," which they saw at the Abbey Players' present at the Harris Theatre last Thursday evening.

## Scherger's Classes Visit Field Museum

Dr. Scherger is augmenting his course in History of Civilization this semester with a trip to the Field Museum. The 11:30 section met Dr. Scherger in the museum last Saturday and had the Egyptian and Anthropological collections explained to them. The 10:30 class will go to the museum next Saturday. This trip is a very valuable addition to the lectures as it clarifies many of the points which Dr. Scherger brings out.

On March 20, Dr. Scherger will present his lecture on the passion play of Oberammergau before the Scottish Rite Masonic lodge in their temple at the request of the head of these lodges. Dr. Scherger, who is considered an authority on the passion plays, has been in Oberammergau a number of times and knows Anton Lange, who played the part of Christ in the play, very well.

## Musical Fraternity Pledges Five Men

Phi Nu Epitaph, honorary musical fraternity, announces the pledging of the following men, all juniors: Roy Ekroth, C. Roy Johnson, H. W. A. Davidson, E. G. Avery, J. E. Tammy, Don E. Trever.

The requirements for acceptance into the fraternity are at least two years active service in any of the musical clubs, good standing, and a good scholarship average.

## Senior Electricals Conceive Idea in Reducing Time of Experiment

The other day a group of electricals, mostly seniors, walked into the mech laboratory to perform an experiment on friction. We withhold the names of those in the group for fear of the consequences to our person were we to divulge them.

The particular friction experiment which our heroes were to perform required between eight and ten readings at ten minute intervals. On this basis, according to all past mathematical theories, the readings could not possibly be made in less than an hour and twenty minutes to an hour and forty minutes.

Our enterprising electricals, however, must have spent months, nay, weeks, in strenuous research, and gradually, by dint of much labor and many sleepless nights, developed a new theory of mathematical calculations. This theory must have been finally worked out until no fault could be found with it. We have even heard rumors that they privately presented their ideas to the leading mathematicians of the country and obtained their approval and assurances of the soundness of their revolutionary theory. Whispers have reached our ears that they

## A.T.A.A. Awards Eight Major A's

Eight major "A" awards were approved and action was taken on several other important problems at a meeting of the A. T. A. A. and the Athletic Board of Control in the Faculty Grill last Tuesday, March 14th. The letter winners are Capt. Beemsterboer, Captain-elect Pfum, Lauchiskis, Dollenmeyer, Warner, Lukas, Lascheber, and Stammel. Manager Johnson received a major manager award. A committee was appointed to look into the question of letter awards for the rifle team which has recently been recognized by the organization.

Work on New Color Combination Another committee was appointed to select a suitable letter and sweater combination involving all three of the new colors, the red, yellow, and black. Actual samples of the various combinations will be made to aid in making the selection. It was also decided to abolish the ranking numbers previously used in awarding Honor Cycles. There will be the usual ten honor award edition this year, but they will be without numbers. The question of making swimming a major sport was discussed, and a committee appointed to consider such a change.

A. T. A. A. to Change Name This is the last year that the A. T. A. A. will exist under its present name. As its control has been extended over a much wider field than athletics, it is considered advisable to choose a name that will convey the true position of the organization.

A report was given that the work of fixing up the old lunch room was progressing and should be finished in about ten days. The place is being equipped with showers, drinking fountains and other equipment for the track and baseball teams.

## A.S.M.E. Installs New Valparaiso Chapter

A new student chapter of the A. S. M. E. has been organized at Valparaiso University. The formal installation of the new chapter was held last Friday, March 17. Mr. R. R. Leonard, executive secretary of the midwest section of the A. S. M. E.; W. L. Abbott, chief engineer of the Commonwealth Edison Company; Horace Carpenter of F. D. Chase and Company; and Professor Peebles were in charge. Mr. Abbott is past president of the organization.

Armour is to be the host to a student conference of the A. S. M. E. to be held here on April 28 and 29.

## Senior Electricals Conceive Idea in Reducing Time of Experiment

By Arthur Highman even sought out the mathematical department of the Armour Institute of Technology and received its blessings.

At least they evidently believed that all was well and that the time was ripe for trying out their new system of mathematical calculation in practice. They cast their eyes about for a suitable opportunity. They saw the opportunity in the friction experiment and they pounced upon it. The results were so gratifying that our heroes no doubt are planning to publish them as soon as they can find a publisher. Now as to what the results were. The enterprising students began work on the experiment at about 2:30 and completely finished it, not in an hour and a half or so, by 4:00, but in one third of the time, in one half hour, by 3:00.

P. S. When the readings of the experiment were brought up to Professor Peebles for his o. k., the good professor, we understand, took out his watch and—but if the reader is interested in knowing what happened, let him ask the professor himself.

## ARMOUR TECH RIFLE TEAM IS VICTORIOUS IN ILLINOIS STATE TOURNAMENT BY 760 POINTS

### Wilson, Hollmann, Hackley Receive Medals For Three Highest Individual Scores

### THIRD CONSECUTIVE CHAMPIONSHIP

By K. L. Hackley For the third consecutive year the Rifle Team of the Armour Tech Rifle Club has won the Championship of the State of Illinois in the fifty foot division; also for the third consecutive year Armour team members

have won the three medals for the three highest individual scores. The scores of the three highest teams are:

Armour Tech Rifle Club..... 5541  
Edinburgh Rifle Club, Edinburgh, Ill. .... 4781  
Franklin Pk. Rifle Club, Franklin Park, Ill. .... 4480

The margin of victory this year was 760 points, as compared with a lead of 200 points in last year's match and 320 points in the 1931 match. The match was fired by five men each week, for six consecutive weeks so that the victory amounts to an average lead of over twenty-five points per man for each of the six acts of targets.

The men who will receive the gold, silver and bronze medals for the three highest individual scores, with their totals are:

Don Wilson ..... 1140  
Walt Hollmann ..... 1125  
Lewis Hackley ..... 1112

These high scores compare favorably with those of other years although the winners have been different each year. In 1931 the order was Stanley Patla, Don Wilson, Carl Sachs, and in 1932 the battle was most fiercely fought, Helmich crowding out Patla with a single point and Hollmann running a very close third. This year is the first that Lewis Hackley has placed although he has fired in all of the three yearly matches.

Each of the seven men who fired in the match with the Armour Tech Rifle Club's team will receive silver medals as a token of their achievement. Their scores follow:

D. Wilson ..... 1140  
W. Hollmann ..... 1125  
K. L. Hackley ..... 1112  
E. Renstrom ..... 1104  
A. Marow ..... 1098  
A. Helmich ..... 1085  
C. Harwood ..... 1035

Don Wilson, E. B. '33, and Al Helmich, Ch. E. '33, have been in the club since the beginning of their freshman year when the Rifle Club did its shooting at the Armory on Wentworth avenue. Lewis Hackley, Ch. E. '33, entered the club in January 1930 just before the club was granted its present rifle range in Chapin Hall. These three men—Wilson, Helmich and Hackley—the latter two having had no rifle experience before entering.

(Continued on page 4)

## Architects Hear Address by Penn

Mr. Henry Penn, a former professor of Armour Institute and now affiliated with the American Institute of Steel Construction, gave a lecture last Thursday on the uses of steel in all types of building design to a group of interested architects. Mr. Penn's talk was very informative and at the outset conveyed the general outline for the employment of steel. As he continued, such details of construction as floors, paneling, bolts, rivets, and arc welding were cited.

As a special attraction the speaker augmented his lecture with the display of a section of the first structural steel I-beam rolled in 1854. In conclusion Mr. Penn told of the difficulties that the World's Fair engineers have encountered and also his idea of how to build a steel house for the middle class man's purse.

## Radio Talks Feature Penn and Anderson

Discussing "Steel in Home Building" last Sunday, Mr. Henry Penn, former faculty member and now connected with the American Institute of Steel Construction, delivered the regular weekly topic over station WJJD, March 12. These weekly features are presented through the courtesy of the Armour Institute, whose desire is to select a prominent worker in the field of science and thereby increase the interest of the people by familiarizing them with the nature of the work involved.

Last Sunday, March 19, J. C. Anderson, chief structural engineer of Sargent and Lundy, delivered an address on "Electric Power Developments" from 6:00 to 6:15 p. m. over station WJJD.

Mr. Anderson began by tracing the history of electricity, discussing the circumstances of its origin and discovery, and of the extreme difficulty of storing it, thereby making it necessary to use it at the same rate it is being produced.

He also spoke on the maintenance and construction of power houses and the part they play in the production of electricity by the consumption of coal, producing the steam cycle and finally being converted into electricity.

## A.S.M.E. Sponsors Student Programs

The Armour student branch of the A. S. M. E. is sponsoring a program of speeches to be carried out by the members. The results shown are gratifying and further meetings embodying the continuation of these talks are planned. The members are encouraged to submit papers of a technical nature, the one most worthy according to the judges to be presented at the convention of the American Society of Mechanical Engineers in Chicago this summer. An additional prize, a silver cigarette box awarded by the parent society, will be presented. The recognition afforded should furnish an added incentive and many papers are expected.

## Use of Library Shows Decline

It would probably be of great interest to the students of the Institute to know the extent to which the books in the library are used. Miss Steele, librarian, has compiled some information on the daily attendance and number of books used for the school year 1931-32 and for the first semester of this school year.

It has been found that the average daily attendance during 1931-1932 was 655 students, about 79% of the entire day school, while the attendance during last semester averaged about 593 students per day, 71.8%, indicating a drop of 7.2% under that of last year.

The daily average number of books charged for use as references in the library during 1931-32 totaled 495 while only 475 were used per day last semester. The daily reference books drawn for use over night averaged about 166 during the last school year while those drawn out per night last semester totaled 155. As a general conclusion the average daily utilization of the library last semester has shown a 6.6% drop under that of the school year 1931-1932.

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## Why Mutilate?

The library is having another attack. Every once in a while there seems to be an epidemic of book and magazine disfiguring. The number of missing pages caused the replacement of over thirty per cent of the magazines sent to binder in the last shipment.

There is no reason and absolutely no excuse for a person to remove or disfigure a bound book. Many of the volumes in the library would be very difficult and expensive to replace. Besides the expense there is the inconvenience caused other members of the school who desire to use the same reference. It is a distressing fact that most of the missing pages are taken from the books that are needed and used the most.

Thoughtlessness on the part of the students is probably responsible for most of the damage done to the periodicals. The pupil does not stop to realize that nearly all of the technical magazines are saved and bound in volumes that permit ready access to any article. These magazines are the record of the current engineering activities and as such, are probably of greater value and more use to the engineering student than the average reference book would be. When the binder finds that some important diagram necessary to the article has been removed because some student is too lazy to copy it, he must hold up the whole set of volumes while he replaces the mutilated ones. Possibly he has to send abroad for it. Any way, one small but important diagram that would have taken fifteen minutes for copying, has caused a delay of possibly a month or so besides the added expense.

However, the expense is not the major item in our consideration, although it is important. What we can not see is how any student can be so inconsiderate of his fellows as to remove needed information from his reach. When a person is doing research on some problem of recent engineering development and picks up the periodical containing the only worthy reference available only to find that part or all of his article is missing, words are not adequate to describe his helpless feeling of rage. Maybe the only way he can get another copy is to write to New York or London and wait the two or three weeks' time for the magazine to arrive.

In any kind of organization as large as Armour the individual members must realize the rights of the others and must see that the only way to keep harmony is through cooperation. The student does not have this spirit or knowledge who destroys personally what is the property of all.

## "The Slipstick"

Cleave to "The Slipstick"; let the Slapstick fly where it may.

Today marks the advent of spring. From all indications everyone is possessed of an uncontrollable spirit of the season and of the old saying "In the springtime a young man's fancy turns lightly to thoughts of love." As yet we cannot fall in a practical way the saying "Under a bough, a loaf of bread a jug of wine and thou." On account the boughs haven't leaved as yet, the bread hasn't been baked and Congress hasn't given us the last mentioned requirement to completely fulfill our thoughts. So what? But it won't be long.

### AN ENGINEER FALLS IN LOVE

Ho! What manner of girls are these  
Whose legs are like parameciums! ( )  
But I have one whose legs are straight  
(Just take the average cadaver)  
Her hair . . . some other's she is wearing—  
Would make fine packing for a bearing.  
Her slender throat so long and solemn  
Would make an ideal mercury column  
But listen to my moan belated,  
The poor dear girl's not graduated.  
Her bosom's smooth perimeter  
Is like a calorimeter,  
And when expansion is complete  
A high degree of suspension  
Is found within its chambered walls—  
Expected as the pressure falls.  
Such an expansion . . . adiabatic—  
Would lift a seal to heights unobtainable  
The generous curving of her hip,  
Belated to a valve collapse  
Reminds me of a lab report  
To which, in time, I shall resort.  
—Purdue Department.

"How are you getting on keeping bees?"  
"Very well. We have not had much honey, but the bees have stung my mother-in-law several times."  
J. T. H.

You'd have to hurry with those women, fellows. The name contest closes this Thursday.

My idea of the sweetness of revenge is a chiropractor giving an adjustment to the dentist who pulled the wrong tooth for him.  
Norman

### A CAREER

First Prisoner: "What are you in for?"  
Second Prisoner: "Want to be a warden, so I thought I would start at the bottom."

### SLEEP

GRADUATION SPEAKER: When you graduate from here may you have patience and prove yourself not impossible; may you pertinaciously cling to your unattainable thoughts of the future; and let not punctiliously interfere with your indignant desire for performing super-augmentary labors.

One of the Victims: And here the old man told me to get a job.  
Western Reserve Bad Cat.

Eds. Note: Without cognizance of the real nature of the above epistle sans ideograph, the humor editor acquiesced after promulgating it notwithstanding the potential manifestation of anisodorsism, asperium, strabism and impetation, or palpable propagation due to in-made ostentation, conjectural facetiousness, or undue indulgence in bacchant liquors.

### LOVE

There's the wonderful love of a beautiful maid,  
And the love of a staunch true man,  
And the love of a baby that's untried—  
All have existed since time began.

But the most wonderful love, the love of hours,  
Even greater than that of a mother,  
Is the tenderest, infinite, passionate love  
Of one dead drunk for another.  
Noyes H.

Eds. Note. (How do you know . . . by experience.)

### Loopy Puns 76589A & 76589B

The theatre is the most dramatic thing in Fire Protection.

I have found Electricity to be quite a shocking subject.  
No. These were not made by an illiterate student. Oh! my no. Just a couple of our professors.

A Freshman knows everything; he has explored the universe and has proved all things. A sophomore has the wisdom of an owl, but, like that so-called bird, keeps still about it. A junior knows little, but begins to be a little doubtful about it. A senior knows nothing.  
Seton Journal.

Diner: "Waiter, this soup is spoiled."  
Waiter: "Who told you?"  
Diner: "A little swallow."  
Francis.

Ten nights in a barroom may have been bad; but nothing like one hour in a speakeasy.

This time we won't be using any last line or bid of farewell; just thanks for the contribs.

The Deacon.

## LETTER BOX

### Students of Armour:

The members of the Armour swimming team spend as much time training for their events as do the members of any of the teams in sports that are recognized as major events. The swimming season is as long as the seasons allotted to sports that have a major status here at Armour. Why then, is swimming not a major sport?

The members of the team must journey to and from Bartlett Gym at the University of Chicago for their practices and this makes it necessary for them to sacrifice considerable of their limited free time in order to hold their position on the team. There are undoubtedly several good swimmers among the student body who feel that a minor letter is not enough reward for so much work.

I am informed that the majority of the schools in the "Little Nineteen" recognize swimming as a major sport. For this reason the members of the Armour swimming team compete against many men who receive major letters for their efforts.

For my part, I wish the team all success in its efforts to obtain a major status at Armour.  
C. N. C.

## Movie Notes

Warner Baxter is at his suave, romantic best in "Dangerously Yours," his latest production now at the Roosevelt Theatre. In the role of charming society jewel thief, Baxter makes it seem almost a pleasure to be robbed.

Miriam Jordan is his leading lady in this picture, and has the role of a girl detective who sets out to trap the fascinating Robin Hood, only to discover that she herself has been ensnared by her affections.

Fastest swim of his life was the one made by Buster Crabbe in his role as the "Lion Man" in "King of the Jungle" thriller, now in its second week at the McVickers Theatre.

Crabbe, holder of world's records for several aquatic events, and member of the 1928 and 1932 U. S. Olympic Swimming Teams, jumped into the water just two seconds before a roaring lion, and attempted to reach the opposite bank before the lion reached him.  
He succeeded.

Mac West, the flaming "Diamond Lil" of stage and screen fame is on the stage of the Chicago Theatre.

She will sing some numbers in that old Mac West style, and in addition she will present a dramatic comedy sketch in which she will reveal her skill as a comedienne. Ed Lowry will also be on the stage.

On the screen will be presented "Grand Slam," a comedy treatment of the American bridge game, with its tournaments and championship contests, its battles and its bickerings.

Loretta Young and Paul Lukas do excellent teamwork in the picture as the champion "bridge sweethearts." Other players in the cast include Frank McHugh, Glenda Farrell, Helen Vinson, Walter Byron and Roscoe Karns.

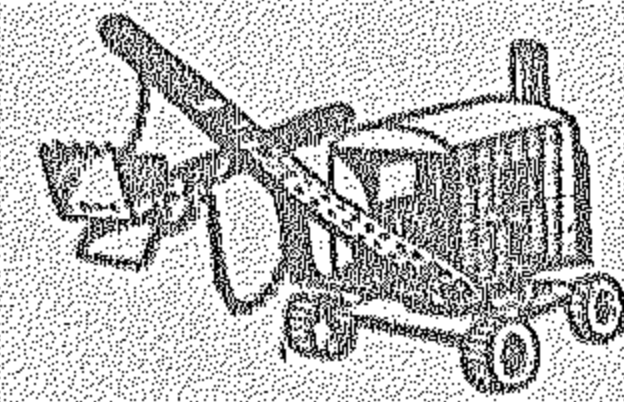
Two of the greatest personalities on the American screen are co-starred for the first time in "The White Sister" which is coming soon to the Oriental Theater. They are Helen Hayes, winner of the recent Motion Picture Academy award, and Clark Gable, universally conceded to be the talkies' outstanding idol.

Lewis Stone is cast in another strong character role as the father of the "white sister." Other important players include Louise Clouser Hale, May Robson, Edward Arnold and Alan Edwards.

Gloria Swanson comes to the United Artists Theater in "Perfect Understanding", her latest film.

Laurence Olivier plays the leading masculine role opposite Miss Swanson and Michael Farmer, Miss Swanson's husband in real life, has a prominent part in the picture. Others appearing in "Perfect Understanding" are John Halliday, Peter Gawthorne, Genevieve Tobin, Nora Swinburne and Rosalinde Fuller.

## THE STEAM SHOVEL



We hear that "LOVEY DOVEY" ROBERTS' scholastic work (?) is periled by the coming of spring and perfumed letters.

Two seniors arguing—  
"I tell you symmetry is a sword used by Turks to cut people's heads off."

"No it isn't. Symmetry is a place they put people with their heads cut off!"

The deadline for the name contest is Thursday at 5 p. m. Your last chance to win five bucks.

One of the Steam Shovel spies has been unable so far to discover the identity of the blonde who shares her paper with Jimmy Woodburn every morning on the "L".

Friday—quiet reigns at school—call for SHERLOCK HOLMES. Ah, the mystery of the eloquent quietness is solved. Senior and junior mechanicals are away on inspection trip.

For Sammy Bibb's information Science Hall is on the third floor.

Speaking of the well known "Day's work Far-a-day's pay," have you birds heard the song about "King Far-a-day?"

What's this about JOE SNOW showing slides of bathing beauties? Can we buy special admission tickets, JOE?

## ARX NEWS

Did you say spring fever is in the air? Well, to quote Andrew H. Brown and Burton R. BUCHHAUSER, "Yo' is as right as three rabbits there, brother." This terrible malady hadn't as yet affected ADREANI, CHEATHAM, FLYER, IRION, LAMMERS, MARBERG, MORELLI, and MORRIS, for these charcoal welders clicked for mention in the first "life" judgment.

A very ardent supporter of "All play and no work" has donated a very fine sterling lead gas pipe as the trophy to be awarded the survivor of the ARX basketball series. According to the present standings the seniors have a 1000.000 to 1000.01 chance to cop the "Lead Pipe Tourney."

Armour's class "A" charcolloors weathered the storm of the "Ferry Wharf" judgment in New York and sailed through with eleven half mentions. Well . . . some punster has to say, "Ferry nice."

Many juniors and seniors successfully rescued their pal ALTSCULER from the demonstrating corps of sophomores. But all the "wolves" didn't give up without a struggle; and as a result some juniors and seniors had tailor bills, one sophomore nearly got his neck in a sling, and another soph almost had to go home in a barrel.  
There's trouble a-brown' . . . and bear too!

EAGLE EYE.

We Call Deliver  
Phone VICTORY 8787  
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Their resourcefulness in getting through, over or under natural barriers makes possible telephone service that is practically world wide in reach.

## BELL SYSTEM



SAY "HELLO" TO MOTHER AND DAD  
... RATES ARE LOWEST AFTER 8:30 P. M.

### WULFING SPEAKS TO MEMBERS AT A.I.E.E. MEETING

Members of the A. I. E. E. were presented with the opportunity of getting first hand information on the conversion from d. c. to a. c. distribution in Chicago's loop system in a talk given by Mr. Wulfing, assistant to the chief development engineer of the Edison company. Mr. Wulfing has been working on this phase of electrical distribution for the past fifteen years and was able to present detailed information on the subject as only one who is intimately familiar with facts can present them.

One of the interesting highlights of his talk was an explanation of the economic and engineering factors which decided that the Marshall Field Estate Building be equipped in the unique way that has been put into effect. There the height and distribution of facilities is such that a direct current system would cost about forty thousand dollars more in copper alone. The alternating current installation, however, solves the problem of uniform voltage at a lower cost simply by utilizing ac. risers and transformers at the point of heaviest load. There are three such transformer vaults in the building and the power is measured on the customer side of buses. The speaker made a prediction to the effect that our young engineers would see the day when all the facilities in the loop would be handled in the alternating current system.

### REVIEWS

#### "PAST YEARS" the Autobiography of Sir Oliver Lodge

From out of that maze of equations, laws, and discoveries by which we know science there is little of a human element. There is probably no kind of endeavor in which the personality of its maker is so slightly identified with its results as in that broad field known as science. That is what makes the autobiography of a great scientist doubly interesting.

Everyone knows something of Sir Oliver Lodge. He was one of the world's leading physicists during that fruitful period which began with Maxwell about 1864 and has continued up to this day. Lodge investigated and formulated principles which played a leading part in the final discovery by Hertz of the electro-magnetic waves that are the foundation of radio theory today.

Then too, most of us have, at one time or another, read the name of Lodge in connection with psychic phenomena — popularly "Spiritualism." Unless we knew better we might have passed that off as the mere quaintness of a second-rate scientific man. However, Lodge is not to be considered a second-rater in his chosen field, and to doubt his sincerity in his beliefs would be simple blindness in anyone who has read his autobiography.

Lodge does not prove the existence of a spiritual world to any degree that would remain completely unanswerable to objectors. What the unprejudiced reader does feel is that there are certain things—no more specific word would be justifiable—that are yet to be explained in a thoroughly scientific and rational manner.

The arguments for the case of spiritualism are not presented in such dogmatic or persuasive manner that the reader need feel upset about answering the entire question or changing his beliefs. In fact Lodge uses the tones of the humble scientist who is never quiet sure that he has driven the truth to its last position and extracted from it the final story.

These discussions do not occupy the entire contents of the book. The history of his career from early boyhood offers enough material to make it an interesting personal narrative. Much of the scientific work in which he was engaged is presented with enough of the technique included to make it of interest to students of science such as the Armour men are.

Lodge's family was of middle-class origin and engaged in the manufacture of clay ware. Young Lodge worked arduously for his father during the day and studied, mostly

### OTHER CAMPUSES

Officials at the University of Denver are aiding fraternities this fall by preventing the graduation of any seniors who are in debt to their chapters.

A professor of English at Ohio State University recommends that college students read more fairy tales.

Thirteen freshmen at Stanford University face expulsion for entering the women's dormitory after a student rally. It has been a tradition for men students of the university to attempt this, but for the first time in sixty years the attempt was successful.

Because of opposition received from the student body, the faculty of Ohio Northern University lifted the ban on dancing. Its most recent dance was the first since 1871.

At Georgia Tech a senior took the same course twice in the same room under the same teacher, receiving the same grade both times, and didn't discover his error until recently.

In an effort to curtail the popular fad of masculine attire for women, the dean of women at the University of Oklahoma issued the order forbidding practice of the same.

University of Oklahoma students, having become frightened by the threats toward headless, rushed to the banks and deposited a total of \$2.50 in the yellow coin.

Among the commandments for freshmen in the Utah Chronicle is: "Thou shalt not keep thyself in the presence of women for it is not good."

Results of a survey at the University of Washington prove that the average student carries more money in his pocket than the average professor, also that the professor's secretary carries more money than both of them combined.

Michigan College of Mining and Technology has as its president, W. O. Hochstim. Armour Tech's executive is W. B. Hochstim. Pretty close!

College boys are listed in an exchange college publication in this manner:

#### FRESHMAN

- Green hats
- Chewing gum
- Himself

#### SOPHOMORE

- Hot dogs
- Bluffing
- Himself

#### JUNIOR

- Knowledge (?)
- Flattery
- Himself

#### SENIOR

- Himself
- Himself
- Himself

Warmhearted undergraduates of McGill University took pity upon the

unabbed, in the evenings what chemistry, physics and mathematics material he could find. His only formal training in the early years consisted of lectures, for popular consumption only, of the great scientists of the day. Later he managed to pass examinations that admitted him to college, and his progress was more satisfactory.

Although these difficulties were apparently great, he lived in an atmosphere of security. He never had to worry about his success as physicist for his bread and butter; he could always fall back on his business interests for a livelihood. A result of this background is reflected in his philosophy of life. One finds him a simple, trusting, and idealistic person. Yet he reveals himself to the reader in such manner that one cannot help liking the old gent.

His recreations consisted in playing golf and reading the plays of George Bernard Shaw and Shakespeare. Many of England's most famous men were entertained at the Lodge household.

"Past Years" is well worth your while, because it will demonstrate details of that seemingly incredible phenomena which we call "Spiritualism."

H. J. Monger.

### Senior Chemicals Visit Soap Plant

On Friday, March 24, the senior chemical engineers will visit Lever Brothers and the American Maize Products Company.

Lever Brothers, one of the foremost manufacturers of soap are located at Robey, Indiana. Formerly their plants were located in the east but it is now considered desirable to have a unit near Chicago. The plant at Robey is equipped with the most modern machinery for manufacturing soap.

The raw material, vegetable oils, is brought to the factory in tank cars and is pumped into storage tanks. The oil is purified before making the soap, for the color of the soap is dependent upon the purity of the oil. The treatment of the oil with caustic soda yields soap and glycerine.

The American Maize Company is one of the largest companies processing corn. The only raw material they use is shelled corn, which is soaked in sulphurous acid, crushed, and separated into corn oil, starch, and waste products. The corn oil is commonly known as Amalizo Oil. The starch can be converted into corn sugar which is used in bakeries, candy, and in soft drinks. The waste products are used to prepare cattle food and fertilizer.

statues placed on the campus during a recent cold wave. Venus de Milo, though unscathed of the weather, was found one morning clad in blue feminine underthings.

Oxford University students are permitted to ask one another for information during examinations.

Administrators of Michigan State College have ruled that all students attending the formal dances may not discuss from 3 p. m. on the day of

### Fraternity Notes

#### DELTA TAU DELTA

Gamma Beta of Delta Tau Delta takes pleasure in announcing the initiation of:

- Charles W. Nelson, '36.
- Harry G. Gragg, '36.
- Leonard H. Mayfield, '36.
- Arthur F. Kagsen, '36.
- John B. Davis, '36.
- Edward W. Olson, '36.
- Earl R. Fenske, '35.

#### TRIANGLE

Triangle takes pleasure in announcing the initiation into the Fraternity of the following men:

- John J. Bachner, Ch. E., '34.
- Frank W. Schmidt, E. E., '36.
- John Scott, C. E., '36.

Initiation was held Sunday afternoon at the chapter house and was followed by a banquet.

The Alumni smoker and Reunion will be held this Saturday evening at the house. The Kappa Phi Gamma Fraternity at Northwestern have recently petitioned Triangle for the establishment of a Northwestern chapter of Triangle and has been invited to attend this smoker.

Sunday, April 2, has been set aside as Mothers and Fathers day, at this time our Mothers and Fathers will be

the dance, and all classes on the following morning.

Men students of the University of Utah insist that the best girls are taken before they reach college and that the co-ed is uninteresting, unintelligent, and expects nothing but putter.

During a recent fire which destroyed a ninety year old building on the Bethany College campus, students formed around the flames and prevented freshmen from attempting to save the building, singing "Keep the Home Fires Burning."

our guests. They will have an opportunity to see our house and motion pictures taken at various chapters of Triangle.

Who wants a ping pong match?

#### SIGMA KAPPA DELTA

Sigma Kappa Delta takes pleasure in pledging Henry Koerber, M. E., '35.

At the last meeting it was decided to definitely make our meeting night Tuesday night. William Krause was appointed as the new treasurer. Joseph Stehno was appointed as the manager of the S. K. D. baseball team and Alexander Kulpak as the manager of the S. K. D. track team.

#### PHI KAPPA SIGMA

A radio dance was held at the chapter house last Saturday night. A very pleasant evening was enjoyed by the members and friends present. Late in the evening, after the usual line of good orchestras signed off, refreshments were served.

#### BETA PSI

The much discussed date for the next dance has been definitely set for next Saturday evening.

The baseball game between the newly initiated "Yannigans" and the older members is planned for sometime this week. The "Yannigans" have spent considerable time in strenuous practice but the older members have confined themselves to catch.

#### PHI PI PHI

Brother A. Van Zandt, national secretary of Phi Pi Phi, visited the chapter house last week.

Spring house cleaning has been completed and once more activities at the house are in full swing. Last Saturday the Spring Informal was held at the house and a good time was had by all.

Probation week ended last Friday and the pledges are now recuperating and catching up on lost sleep.

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**Thursday Evening Dansants**  
**75c**  
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They're Milder and yet They Satisfy



You get what you want, and you don't have to take what you don't want

It's like this: You don't want a strong, rank cigarette; you don't want one that's tasteless. You want one that lets you know that you are smoking, but you don't want one that's bitcy.

Chesterfields are milder . . . and yet They Satisfy.

# Chesterfield

the cigarette that's MILDER  
the cigarette that TASTES BETTER

# TECH WRESTLERS DEFEAT MORTON BY 16-14 SCORE

## Armour Wins Its First Meet of the Year at Morton

### BOUTS HARD FOUGHT

After losing their first three meets of the season the Armour wrestling team decided it was high time to show their skill and so last Friday evening defeated the wrestlers of Morton Junior College 16 to 14. The Tech advantage came as the result of Capt. Talaber and Bergquist winning their matches by a fall while only one Morton man was able to win by a fall.

**Morton Wins First Three Bouts**  
The first eight bouts of the evening were the ones on which the winner of the meet was decided. Morton jumped into the lead with an eleven point advantage by winning the first three bouts. Talpai of Morton rode Heila of the Tech team almost from the beginning of the match and finally pinned Heila. Talpai's greater experience was the deciding factor of this bout. They were wrestling in the 115 pound division. Patterson of Armour lost a close bout to Chisholm by a time advantage of one minute and thirty seconds; and Perrill of Armour also lost his match by a time advantage. As a result of these three victories Morton led the Tech team by eleven to nothing.

**Schmidt and Sommer Win**  
The next bout which was in the 145 pound division was won by Armour, when Schmidt got behind his man Stankowiak with a spectacular double wrist-lock with which he almost broke his opponent's arm. He, then, rode his opponent with a figure eight until he was exhausted. Schmidt's time advantage was six minutes. Sommer of the Tech team then added three more points to Armour's total when he won an exciting match from Plemis of Morton by a time advantage of four minutes and twenty seconds.

**Talaber and Bergquist Add Ten**  
Frank Talaber, as is customary, wrestled his man wisely and pinned him after six minutes. The five points which Frank added to Armour's total brought the team scores to a tie. It then remained for Bergquist to put Armour decisively in the lead by pinning Wehrman of Morton in seven minutes and ten seconds. Bergquist outwitted Wehrman all through the match and stayed behind his man most of the time with an arm hold which proved very successful. This victory made the score 16 to 11 in Armour's favor.

The last match of the first eight was won by Talpai of Morton who won from Rosenfeld of Armour by a time advantage of five minutes and twenty-five seconds.

After these bouts were finished and the Tech wrestling team had won its first meet of the season, there were five exhibition bouts, in which Larson, Maralek, Boberg, Papat, and Vendley of the Armour team participated.

## Armour Golfers Start Practice

Practice will soon begin for the Armour Golf Team in preparation for a hard season. Manager Otto Staib disclosed a tentative golf schedule for this spring, which includes two Western Conference teams, Northwestern and Chicago. Five teams have been approached and some of the matches will be home and home engagements.

Last year's squad will be represented by Captain Johannisson, Weldon, and Davidson and new men will have a chance to compete for a place on the team before the season begins. The men are to practice as soon as the weather will permit.

The team will play their home matches at the Evergreen Golf Course at 91st and Western. A tentative schedule is as follows:

- April 18—Armour at Northwestern.
- April 22—Armour at Beloit.
- April —Alumni at Armour.
- April —Armour at Crane
- May 2—Armour at University of Chicago.
- May —Crane at Armour.

## TECH SHORTS

Although Spring is here and a large number of sports are in season, action has been rather scarce for Tech athletes. In a few weeks, however, the engineers will find plenty of work on hand. Now is the time to turn in your entries for the News name contest and this department will surely appreciate a good "monicker."

With the approach of the Relays, the trackmen are keeping in shape with two meets this week. The meet this afternoon will probably be a quadrangular. Friday, the C.A.A.U. meet will claim the attention of the veterans of the Tech squad, the big attraction being Captain Sademan's entry in the 1000 meter run.

**New Indoor Half-Mile Record**  
We finally have this record-breaking dope straight. Elmer Sademan was officially timed at 1:59.5 in the Central Intercollegiate meet at Notre Dame, and this time will stand as the new Armour indoor half-mile record.

Frank Talaber, noted Tech wrestler, is getting down to business after two weeks of rest, during which time he had been mousing a large number of bruises and other slight injuries which he acquired during a period of strenuous competition. At Morton, Friday, he pinned his oppo-

ent to help the Tech grapplers take their first victory this season. He will wrestle tonight and tomorrow night to get back into shape.

**Boxers Travel to Culver**  
The Tech boxing team will travel to Culver Military Academy Saturday, to engage the cadet leather-pushers in the first mix-up between the two teams this season. The engineers scored an upset last season when they defeated the strong Culver squad.

While the swimming team is closing its present schedule tonight in the return meet of the season with Loyola, the Tech golfers are presenting a tentative schedule for the coming season. More new men are wanted for the squad and anyone interested is urged to come out.

**Rifle Team State Champs**  
The Rifle team showed its appreciation to the A. T. A. A. by winning the Illinois State Championship in the fifty foot division for the third successive time.

Yes sir! Here's final proof that Spring is here! A new indoor-outdoor sport was inaugurated last Friday by Norm Colburn (Mr. Norman E. Colburn, Jr. from Gary and Texas). He brought a toy airplane to school and put on a beautiful exhibition of how to use your spare time, when you have more work to do than you can handle. The display was viewed and appreciated by Professor Grafton.

## TECH RIFLE TEAM WINS STATE TITLE FOR THIRD TIME

(Continued from page 1)  
ing the Institute, have engaged in practically every competition for four years, and each has placed high in the Annual Illinois State Rifle Association matches. Wilson has won first (1933) and second (1931), Helmick took first place in 1932 and Hackley clinched third place this year. Walt Hollmann, Ch.E. '33, is just finishing his second year of competition, his last, for he entered the club as a tyro in his sophomore year. He placed second this year and third in 1932.

**Four Men Will Be Lost**  
It is unfortunate that this year marks the end of competition by Wilson and the "Three Big Shots" of the Chemical Department, Hackley, Helmick and Hollmann. But the club numbers among its members many other good riflemen, most of whom have never been pressed for their best efforts as yet. Elmer Renstrom, Ch.E. '35, who was recently elected team captain for 1933, has been active in the Rifle Club for some time but has not entered competition before this season. Art Marow, P.E. '35, is rounding out his second year of competition in fine style. He will be president of the club for 1933. Harwood, team man-

ager for 1933, is a very recent addition to the roster of team members. Matches Resemble Last Year's  
The match was run this year in the same manner as in other years. Six sets of targets were fired by each of the seven men, one set each week. The sets consisted of ten shots in the prone position each week; ten shots in the kneeling position on the first, third and fifth weeks; and ten shots in the free-style standing position on the second, fourth and sixth weeks. A team of five men was selected each week, by the captain, Helmick, from the seven men entered in the match, to shoot the set of targets for that week. Wilson, Hollmann and Hackley fired in the team every week; Marow shot on the team five of the six weeks; Helmick fired four sets with the team; and Renstrom was chosen to bolster up the team total in three of the weekly stages. Harwood was unable to overcome the strong competition for fifth place on the record-breaking team, and so he fired as an individual entry in the match for all of the six weeks.  
Mr. Russell Wiles, Jr., manager

of the Illinois State Rifle Association matches for 1933, and several rifleman friends were present on the Armour Range during the firing of the final stage of the fifty foot match. Mr. Wiles scored the team targets each week as they were mailed to him.

**Other Results Given**  
The results of the two other State matches are interesting. In the 75-foot match with telescopic sights, the Ridgville and Austin Rifle Clubs fought a tight battle for first place, Austin taking second place by a few points. The Armour team won a decisive victory over the Austin club in a shoulder to shoulder match at their range in December, 1931.

In the 75 foot iron sight match the Humboldt Park Rifle Team took second place, the Aurora Rifle Team taking first place. Armour Tech and Humboldt Park have engaged in several shoulder-to-shoulder matches each year, Armour taking all but one of them.

The team intends that this will not be the end of a winning streak but only one of a series.

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# SAWING A WOMAN IN HALF

### ILLUSION:

A large packing case is exhibited on a raised platform. A young woman climbs into the box. Head, hands and feet protrude, and are held by spectators while the magician takes a crimson saw and, with the help of an assistant, saws through the center of the box and apparently through the woman.

### EXPLANATION:

There are many explanations for this illusion. One method of performing this illusion requires the presence of two girls in the box. One girl tucks up in the left half of the box with her head and hands protruding, giving the effect you see illustrated above. The other girl is doubled up in the right half of the box, with only her feet showing. Nobody is sawed in half.

# It's fun to be fooled — ... it's more fun to KNOW

Cigarette advertising, too, has its tricks. Consider the illusion that "Flavor" can be achieved by some kind of magical hocus-pocus in manufacturing.

**EXPLANATION:** Just three factors control the flavor of a cigarette. The addition of artificial flavoring. The blending of various tobaccos. And the quality of the tobaccos them-

selves. Quality is by far the most important. Domestic cigarette tobaccos vary in price from 5¢ a pound up to 40¢ a pound. Imported tobaccos vary from 50¢ a pound to \$1.15.

No wonder, then, that cigarettes differ in taste—since distinctive, pleasing flavor depends so largely upon the blending of the costlier tobaccos.

It is a fact, well known by leaf tobacco experts, that Camels are made from finer, MORE EXPENSIVE tobaccos than any other popular brand.

Try Camels. Give your taste a chance to sense the subtle difference that lies in costlier tobaccos... a difference that means all the world in smoking pleasure... in pure, unalloyed satisfaction.



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