

# Armour Tech News

Vol. IV. No. 6.

Armour Institute of Technology, Chicago, Illinois

Tuesday, October 29, 1929

## SERSON AND SHOAN WIN SENIOR CLASS OFFICES IN SECOND ELECTION

One Hundred and Twenty-Five Men Vote Out of a Possible One Hundred and Seventy-Six

### USE NEW SYSTEM

Robert J. Serson was elected President and R. A. Shoan was elected Social Chairman of the Senior Class at the election held last Tuesday. These two men failed to get a majority in the previous election and a special election was called. The results of the election were:

President	
Alfred C. Gunther	58
Robert J. Serson	67
Social Chairman	
Walter Scott	56
R. A. Shoan	67

There was a great deal of interest shown in this special election as could have been predicted from the close vote before. Out of 176 men eligible, a total of 125 voted. Of the architects only four voted. It is interesting to note that Scott received the same number of votes this time as in the preceding election.

This election, as well as the others, was under the supervision of the election committee chosen by the dean's office. This committee is composed of: G. J. Heller, Chairman; R. E. Escott, D. J. Paul, E. R. Rowley, W. K. Simpson, and M. A. Tennyson.

### Sophomores Elect Billings President

Apparently the Sophomore class spoke in the first election if the results of the second are any indication. Only 15 per cent of the class climbed the stairs to Science Hall to cast their ballot. Because of this, results were closer than expected. Billings' name was printed or scrawled on 38 pieces of paper while the name of W. H. Bauman could be read on only 28 parts of the same material. Enough was enough and we now hail Lucian Billings as the honorable president.

### M. I. T. Student Wins Paris Drawing Prize

The prize winning drawings of the first three places of the 22nd Paris Prize were on exhibition in the drafting rooms at the Art Institute, Wednesday and Thursday, Oct. 23 and 24. These drawings are on tour to most of the colleges in the United States and Canada.

J. D. Murphy, Massachusetts Institute of Technology, won the Paris Prize this year which includes 3 years of study at the Beaux-Arts School at Paris.

I. W. Silverman, University of Minnesota, placed second and F. T. Ahlson, Yale, took third prize.

### Special Service at Chicago U. Sunday

Dr. G. L. Scherger is to deliver the principle address at the Annual Evangelical Day Service, which is to be held at 4:00 o'clock Sunday Nov. 3, 1929 at the University Chapel on the Midway.

Dr. H. J. Schick, Pastor of Emmanuel Evangelical Church, will be in charge of the services.

Dr. Charles W. Gilkey, Pastor of University Chapel, will deliver a special greeting to all those present.

Visitors and worshippers will be conducted, by official guides, on a tour through the Chapel, if they arrive by 3:00 o'clock.

The music will be in charge of the University Chapel organ and choir.

## Candidates Romp for Campus Club

Candidates for membership in the Campus Club furnished entertainment at their semi-annual Smoker held last Thursday evening in their Chapin Hall Club rooms. In addition to the twenty-five regular members who turned out, the following alumni attended. James G. Wack, '29; John J. Brady, '29; John J. Keating, '29; Arthur L. Barce, '29; James B. Jay, Jr., '29; Walter J. Ehrmeyer, '29; Fred R. Delthony, '29; Gerhard L. Freundt, '29; Charles R. Kuglin, '29; Fred W. McCloska, Jr., '29; Otto H. Voukoun, '28; Harold G. Froberg, '28. Mr. Froberg entertained the boys with some popular banjo solos.

The following eight sophomores: E. W. Carlson, J. A. Clear, N. C. Giovan, W. E. Graham, A. Mueller, and A. Weston kept the members of the organization in high spirits with their antics. The "Candidate" show came to an abrupt end, when the members decided to give member Moore a little initiation, during which the victim was parted from his mustache.

After this, refreshments were served and the party broke up into card games and the like.

The Campus Club cordially invites all interested in their organization to visit their club rooms on the second floor in Chapin Hall and become acquainted with the members.

### Miss Steele at Urbana Meeting

Miss E. Steele, librarian of the Armour Institute library attended a convention held at the University of Illinois. Various meetings were held and one of the important events of the affair was the dedication of the new University Library building. Formal presentation and acceptance was duly performed. Among the notables who attended were: Rev. S. E. Fisher, Prof. James W. White, Mr. J. W. Armstrong, Mr. Carl B. Roden, Dean G. Stanton Ford.

### Profs and Grads at Industrial Meeting

At the sixth conference of Major Industries held at the University of Chicago last week members of the Faculty of Armour Institute and several alumni were seen among the gathering of 300.

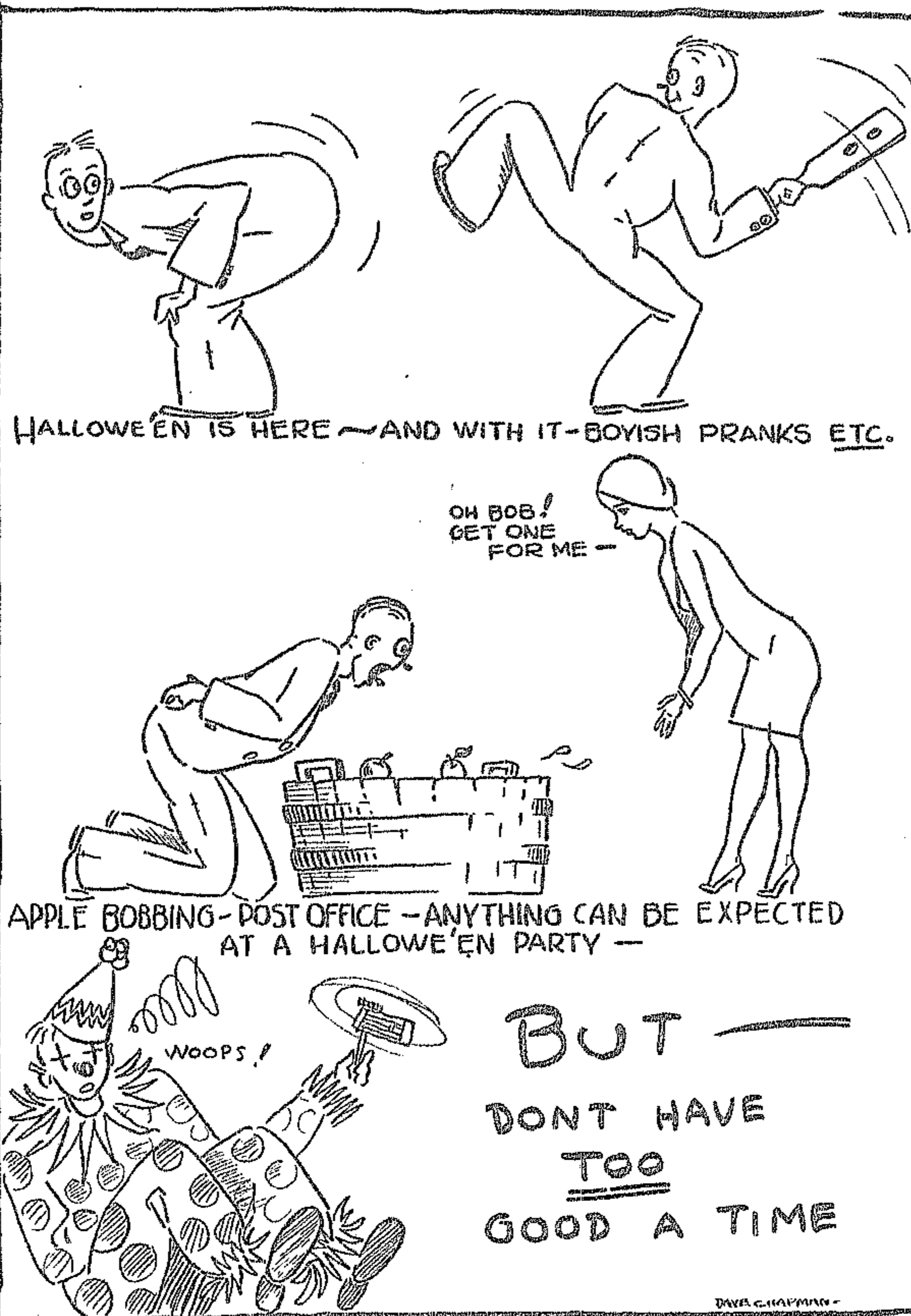
Of the faculty Prof. Harry McCormack, Head of the Department of Chemical Engineering, Prof. B. B. Freud, Professor of Organic Chemistry were in attendance.

George S. Allison, Secretary of the Institute and J. Warren McCaffery, Secretary of Armour Alumni Association also took part in this Conference of Major Industries.

Several of the Alumni, Charles T. Walters, a graduate of the Mechanical Department in 1921, and Henry W. Regensburger, '25, also of the Mechanical Department were seen there.

President Howard Raymond spent the week end at Grass Lake, Michigan, and will return today.

## The Engineer's Hallowe'en



## SENIOR AND JUNIOR CIVILS INSPECT FOUR POINTS OF INTEREST

### Visit Lockport, Joliet and Dellwood Park

Last Thursday, Oct. 24, 1929, the entire Senior and Junior Civil Engineering classes held an all day inspection trip to the Clearing Humps of the Chicago Outer Belt Railway, the Control Station of the Chicago Sanitary District at Lockport, the Hydro-Electric Plant and Locks at Dellwood Park, and the new dam and locks under construction at Joliet. The above four places were visited in the order named.

At the Clearing Humps of the Chicago Outer Belt Railway the group after watching the modern method of switching cars were taken through the locomotive repair shop where they watched an entire locomotive lifted off its wheels and set on blocks.

The next place visited was the Control Station at Lockport. This is used to regulate the amount of water released below Lockport thru the Canal.

Then the entire group took time out for lunch before proceeding for the Hydro-Electric Station and Locks at Dellwood Park. Here they were shown the new locks recently installed, the methods of controlling the amount of water to be diverted and the hydro-electric plant. It has seven turbines capable of generating 6,000 volts and by means of transformers this is stepped up to 44,000 volts before being sent to Chicago for use.

Last they inspected the new dam and locks under construction about two miles south of Joliet. This project is costing 5½ million dollars, and is one of the most mammoth and interesting spectacles to be seen. One can acquire some idea of its size by considering the fact that the individual doors of the locks weigh 200 tons or 1200 tons including the weight of a safety lock.

The trip was sponsored by Profs. Wells, Stevens and Heald. Messrs. Grafton, Pearce and Enz also accompanied the group.

## Armour May Have a Small Symphony

A small symphony orchestra for Armour appears to be in view with the announcement of J. E. Higgins, President of the Musical Clubs, that the band and orchestra may possibly combine to form a small symphony orchestra of about 50 pieces. Owing to the small number of men out for these organizations, it is believed that this plan will give better results than two small groups could obtain. Rehearsal would be held on both Monday and Tuesday nights. In this way twice as much could be accomplished, according to the officers of the club. This plan will probably be given a trial beginning next week at Monday night rehearsal.

The officers of the "Armour Tech Musical Clubs" are: President ..... J. E. Higgins, '30 Vice-Pres. .... C. F. Vojtech, '30 Sec. .... A. E. Nelson, '30 Treas. .... J. Hurley, '30

### Staff of Cycle to Hold Meeting Friday

All members of the Cycle Staff are asked to be present at a meeting to be held in Room B, Main building, on Friday, November 1, at 1:00 o'clock. P. E. Heath, Editor-in-Chief, requests that all new men who would like to obtain positions on the annual publication, be there too. There are a few vacancies on the staff which will have to be filled this year, due to men dropping out of school.

### ARCHITECT MARRIES

Wilbur A. Mullin, '29, Arch., of Kenosha, Wisconsin, was married to Miss Ella Lockwitz, also of that city, on October 19, 1928. The ceremony took place in Kenosha.

### CALENDAR

Tuesday, Oct. 29  
Meeting  
1:10—Flask and Beaker  
Friday, Nov. 1  
1:10—Meeting of Cycle Staff  
Wednesday, Nov. 13  
Armour Tech News Smoker

## OFFICE ANNOUNCES SCHOLASTIC STANDINGS OF DEPARTMENTS, CLASSES AND FRATERNITIES

Alvin B. Auerbach, C.E. '30, Maintains Straight-A-Grade for Two Successive Years

### F. P. E. DEPARTMENT HIGHEST

### R. W. Carlstrom New Freshman Executive

In the final freshman class election held last Tuesday, R. W. Carlstrom, F. P. E., was elected to office of president by a majority. V. D. Luckett, Arch., was chosen to fill the office of vice-president with a few votes more than his opposing candidate, J. T. Sorensen, F. P. E.

Out of the 254 freshmen in the class only 84 men found time and interest enough in the affairs of their class to cast their votes.

The final count as proffered by the election committee reads as follows:

President	
R. W. Carlstrom	43
J. F. Ireland	29
J. S. Landstedt	12
Vice-President	
V. D. Luckett	40
J. T. Sorensen	35

Nine men who voted for president failed to mark their choice for vice-president.

The following statistics, compiled by the office of the Deans, give the scholastic standing of the members of the Freshman, Sophomore, Junior, and Senior Classes of the College of Engineering and Architecture, who were in attendance during the second semester of the school year, 1928-29. In this computation the grades in Physical Training were omitted. A credit (Cr.), either for work at the Armour Institute of Technology, or for work elsewhere was considered equivalent to a grade of "C."

The average of the entire school body, a total of 779 students, is 85.7%.

The averages for the various organizations are as follows:

The Senior Class	88.6%
The Junior Class	86.1%
The Sophomore Class	85.9%
The Freshman Class	82.7%

The student with the highest average in the Senior Class is Joel M. Jacobson. His average is 96.7%. The student with the highest average in the Junior Class is Marvin A. Tennyson. His average is 94.8%.

The student with the highest average in the Sophomore Class is Alvin B. Auerbach. His average is 97.5%.

The student with the highest average in the Freshman Class is Jack Cavanagh. His average is 95.9%.

Departments	
Mechanical Engineering	86.5%
Electrical Engineering	86.6%
Civil Engineering	85.1%
Chemical Engineering	86.5%
Fire Protection Engineering	87.1%
Architectural	83.3%
Honorary Fraternities (Scholastic)	
Tau Beta Pi	93.3%
Pi Tau Sigma	92.7%
Salamander	92.1%
Eta Kappa Nu	91.9%
Chi Epsilon	91.5%
Phi Lambda Upsilon	91.6%

Honorary Fraternity (Non-Scholastic)	
Pi Nu Epsilon	89.4%

Honor Society	
Sphinx	90.1%

Professional Fraternity	
Scarab	90.2%

Social Fraternities	
Phi Kappa Sigma	85.3%
Delta Tau Delta	85.1%
Theta Xi	83.9%
Sigma Kappa Delta	86.5%
Phi Pi Phi	85.4%
Triangle	86.2%
Sigma Alpha Mu	86.1%
Rho Delta Rho	83.8%
Beta Psi	88.1%
Kappa Delta Tau	86.7%

The average of all students belonging to the Phi Kappa Sigma, Delta Tau Delta, Theta Xi, Sigma Kappa Delta, Phi Pi Phi, Triangle, and Beta Psi fraternities (fraternities that rent or own their own chapter houses), is 85.7%.

The average of all other students is 85.7%. In the above the following numerical values were given to the letter grades: A=97.5%; B=90.0%; C=80.0%; D=67.5%; E=50.0%; Cr.=80.0%.

In computing the averages for the freshmen, each grade was given a weight equal to its semester hour equivalent. The grades for the other years were figured in the usual way, all subjects having equal weights. This results in lowering the grades for the freshmen and also the freshman average. In the case of several fraternities that have many freshmen, their average for the past semester has also been lowered on this account.

A blue print giving the relative standings for the past fourteen semesters accompanies this report.

## Dean Palmer Attends Educators Conference

Dean Palmer left Sunday to represent Armour at the Purdue-Wabash Conference of the College Personnel Officers which was held yesterday at Purdue University at Lafayette, Indiana, and is being held today at Wabash College at Crawfordsville. The conference is being held in co-operation with the American Council on Education and the Personnel Research Federation. An extensive program was given, including speeches by leading personnel officers from colleges and universities of the East and Middle West.

"At this conference emphasis will be placed upon the actual techniques used in college personnel work. The College Personnel Officers will be shown how personal development, placement, vocational guidance, personnel records, and research are actualized in our colleges," according to Dean Palmer.

Dean Palmer is expected to return tomorrow.

### Armour Grad Speaks at F. P. E. S. Meeting

Mr. C. W. Hauth, '23, now with the Illinois Inspection Bureau, was the speaker at a meeting of the F. P. E. S. Wednesday October 23. The talk on "Pyroxin Lacquers and Spray Booths" was rendered exceptionally interesting by the unique experiments performed by Mr. Hauth, ably assisted by Professor Finnegan. Samples of shellac and lacquer were also passed around.

Mr. Hauth, was one of the first scholarship class of F. P. E.'s at Armour.

### TECH NEWS SMOKER

This year's first Tech News Smoker will be held at the Theta Xi house Wednesday evening, Nov. 13. Professor Hendricks and all members of the Staff are expected to attend.

Additional lockers are being secured for the basement of the Main building to care for crowded conditions, according to news received from the Custodian of Buildings, Frank Oster.

# Armour Tech News

Student Publication of the  
ARMOUR INSTITUTE OF TECHNOLOGY  
CHICAGO, ILLINOIS

Published Weekly During the College Year

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'31; F. W. Spaulding, '31; E. J. Wiltrakis, '32; E. A.  
Scanlan, '32; E. W. Carlson, '32.

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## ARMOUR SPIRIT

The true Armour spirit is an intangible thing, a thing hard definitely to describe, to make understandable on paper. It does not consist of any one trait, any one characteristic, but when evidenced, is immediately recognized. It is brought out better by actions than by words.

In the summer of '28, John Urban, then recently graduated from Armour, lost his life. In the chemical plant where he was working, some escaping gas caused a fire. Unless somebody turned off this gas immediately, there would have been great loss of property and probably life. Without hesitating, Urban dashed in, shut off the gas, suffering burns which soon proved fatal. He gave his life to save others. We call this an evidence of the true Armour spirit.

When the call came for students and alumni to support the school in times of financial difficulty several years ago, one student, whose name we will not mention, felt called upon to help. He was working his way through school by night work, supporting himself entirely, also paying tuition and fees. Yet he gave one hundred dollars, at a sacrifice which nobody realized at the time.

Was this the true Armour spirit? It was, and yet this spirit is something more. The true Armour spirit is a spirit of honesty, of endeavor, and a spirit of self sacrifice, the spirit which causes a man to further the good of the whole no matter what the cost to himself.

## CHALK

"A small stick of soft limestone, chiefly composed of the shells of foraminifers, used to mark on boards," is the way Noah W. describes that necessary object of school life, the chalk. We do not disagree with his definition of the composition of the subject, for our technical knowledge in such lines is quite limited; but Webster overlooked one usage which seems to be most important, the throwing of broken pieces of chalk from the hand of one person to a spot, preferably the ear, upon the body of another.

There seems to be some peculiar fascination about these small cylindrical objects which compel the passerby to lift and propel one across a room, or down four stories to the street where it hits some unsuspecting student. Perhaps it is the smooth feel, the perfect balance or the way it is toasted, that forms the attraction. Nobody thinks of throwing chairs, fountain pens, or slide rules so there must be some strange attraction that will cause a twenty-four year old senior to revert to childhood days. But the Seniors are not even in a class with the Juniors, Sophomores, and Freshmen in the matter, and the Freshmen are worst of all.

If there is anything that looks worse than a classroom, the floor of which is littered with chalk, it must be one with the floor covered with broken chalk and also erasers. Such a mess is extremely difficult to remove, because the floor must be washed to get the chalk from the grain of the wood.

If those children among us feel that they must throw things why let them go over to the lawn by the side of the Mission building, and try their hand at throwing the big hunk of meteorite reposing there.

## THE SLIPSTICK

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

### THE SLIPSTICK PROBABLY A MISOGYNIST

First she's in your thoughts a lot,  
She has many charms;  
Soon she's in your motor car;  
Then she's in your arms.  
Then she's in your family;  
Oh, a lackaday!  
Then of course for evermore  
She's always in your way.  
Chester

Our idea of the meanest man in the world is the warden who put a tack on the electric chair.

Do your shoes hurt?  
No, but my feet do.

### PHILOSOPHY

It takes a certain amount of push to accomplish anything—even with a wheelbarrow.  
Yesterday is a cancelled check—tomorrow is a promissory note—today is cash.  
Somebody or Other

### ANOTHER ONE

An absent-minded professor was walking down the street one day with one foot in the gutter and the other on the pavement. A friend, meeting him said: "Good afternoon, professor, and how are you?"  
"I was very well, I thought, but now for the last ten minutes I've been limping."  
W. L. F.

Prof Wilcox, (at 1:15):  
"Time has magnitude but has no direction."  
Same person, (at 1:20):  
"Gentlemen, the time is now up."  
The Bongineer

To bad for the sexton of the cathedral who called in the plumber to fix the pipe organ.

### MUDDY WATERS & MISSISSIPPI MUD

We heard that they put a hammer next to the drinking fountain one day last week. When you wanted some water all you had to do was to break off some and chew it a short while.

### PLAY BALL

"Who is that man in the blue coat, dear?"  
"He is the umpire, darling."  
"And why does he have that funny wire thing on his face?"  
"To keep him from biting the players."

The Swiss government has just perfected an echo that will answer you in any language.

Visitor: "What has this town in the form of women's clubs?"  
Native: "Sash-weights, rolling pins and hammers."

### THE EVERPRESENT TRIANGLE

Husband, Wife and Can opener.

A farmer was showing a friend over the farm. "How many sheep do you think there are in that flock?" he asked.

The visitor considered a minute and then replied, "About 500."

The farmer was astonished. "Absolutely correct," he declared. "How did you know?"

"Well, I just counted the legs and divided by four." the guest explained.

Babe Ruth did not write "Home Sweet Home."

He who hesitates is honked at.

Science Teacher: "Name a liquid that won't freeze."  
Bright Guy: "Hot water."  
Chester

Quick, lower the curtain, one of the living statues has the hiccups.

### IDLE CHATTER

Dumb—"I'd like to have your telephone number."  
Dora—"It's in the book."  
Dumb—"That's fine. What's your name?"  
Dora—"That's in the book too."  
R. S. F.

Yes, he's awfully bright. Thinks a goblet is a small sailor.

"One seat, well forward in the center downstairs, for tonight's performance. Have you got it?"  
"Can you play a fiddle?"

### Of Course It Is

They were coming across the Brooklyn bridge and saw a little tug puffing around one of Uncle Sam's war vessels just outside the navy base.

"There's a man-of-war, my dear," he said, pointing to the big ship.  
"And is the little one a tug-of-war?" she asked, as she gazed dreamily upon the water.

The grade on a student's paper approaches zero as the number of times he goes out a week approaches seven.

"K. K."



## Professor Melville Baker Wells

A Biographical Sketch

By P. EMIL SEIDELMAN

Melville B. Wells, professor of Civil Engineering, was born at Commisky, Indiana, on January 27, 1870. He received his grade school education at the little country schools located near his home. Later he attended North Vernon High School, where he mastered the final studies which enabled him to pass the entrance examinations at Purdue, in the fall of 1890. He received his B. S. degree in Civil Engineering in 1894.

Prof. Wells remained with his alma mater as an instructor in surveying and at the same time completed the advanced work which earned him his masters degree in 1895.

In the spring of '95 he joined the staff of the LaFayette Bridge

Co. as designing and contracting engineer. The American Bridge Co. also claimed one year of his services in the same field.

Prof. Wells came to the Institute in the fall of 1901, as an instructor in Bridge Engineering. The following year his title became that of Assistant, and in 1903 he became an Associate Professor. He is now Professor of Civil Engineering and is in charge of the department of aeronautical engineering.

In 1910 Prof. Wells gathered together his first class in aeronautical engineering, and has had a class each year since then. This course, which is now taught at all the leading engineering schools in the country, had its origin at A. I. T. under the direction of Prof. Wells.

In 1896 he married Mary F. Hudson and they now have one son and one daughter.

Prof. Wells is a member of the Western Society of Engineering, a trustee of the Morgan Park Military Academy, and also a member of the Indiana Society of Chicago. He is also a charter member of the Purdue chapter of Phi Delta Theta and Tau Beta Pi. While at the Institute he was received as an honorary member to Chi Epsilon.

Prof. Wells is the author of one book entitled, "Steel Bridge Designing," which he published in 1913, and many short articles which were edited from time to time.

Prof. Wells confided that his most thrilling event came in 1912 when he "enjoyed" his first flight in a First Model Wright ship. The pilot, after he had landed, refused to take the air again that day, due to the stormy weather conditions.

To pilot a ship has always been Prof. Wells secret ambition. However, being denied this satisfaction, he is enjoying the tutoring of the future Bridge Designers, at the Institute as well as at summer camp, where he includes a course in the mysteries of the hook and line.

## Inquiring Reporter

Question: What type of assemblies do you like best, speeches or illustrated lectures?

N. C. Narten, '30, F. P. E.—Illustrated lectures are preferable because the students feel that the speaker can give a clearer presentation of the subject.

W. Drigot, '31, E. E.—I'd prefer either one, a speaker or a good illustration.

L. B. Statkus, '31, C. E.—I like the demonstration because that gives you a more definite idea of the object and concrete meaning of the subject. It also shows what new things there are.

F. N. Hromada, '32, C. E.—Illustrated lectures are bound to be better than the other kind. I would rather have them all this way.

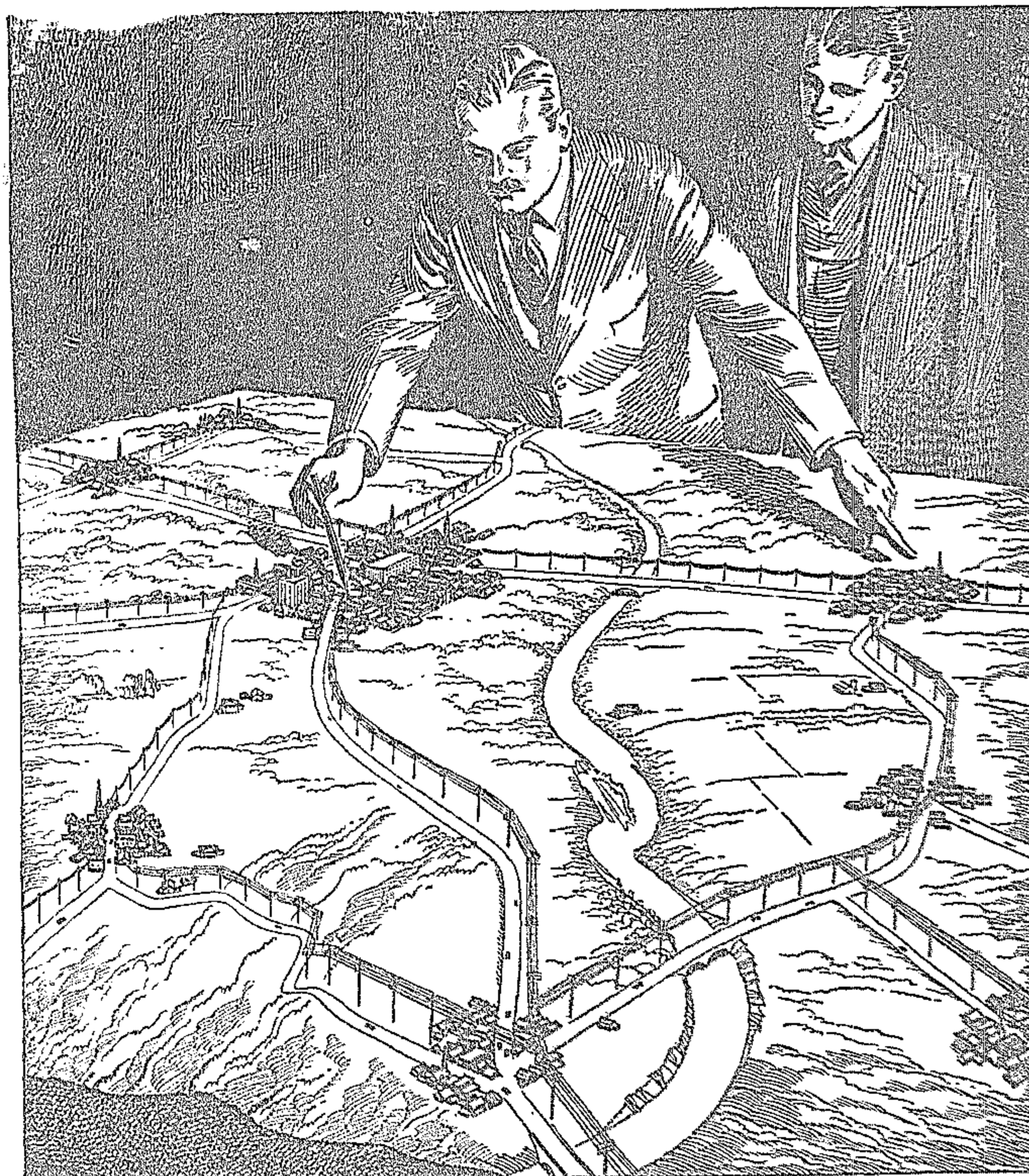
H. Meyer, '33, C. E.—Naturally, the illustrated one. It doesn't take as much concentration because we are all picture minded. Anything we can see is more clear and understandable.

B. Scott, '33, F. P. E.—You can get more out of those with demonstrations because it is pictured before you and is more clear. A lecture is more dry and everybody goes to sleep.

H. A. Rahmel, '32, E. E.—An assembly which has both speaker and demonstration would make things clearer and impressive because the things would stick with you longer.

W. A. Holland, '32, Ch. E.—An assembly with demonstrations is better simply because they show before the audience specific examples of things which they would otherwise have to imagine and in this way the students are able to reap more benefit from the discussions which the speaker embodies in his lecture.

In common things the law of sacrifice takes the form of positive duty.—Froude.



## Key Town selling —a new telephone idea

Commercial development men of the Bell System have originated a new use of the telephone which is proving economical and efficient for modern salesmanship. From important central towns the salesman makes periodic visits to customers and prospects by telephone.

To conceive this idea, to make it practical

by selecting Key Towns on a basis of most advantageous rates to surrounding points, and to sell it as a business practice—all this illustrates how telephone service is as open as any commodity to constructive imagination.

Key Town selling is one of many indications of the steady demand, present and to come, for more and more telephone service.

## BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"

**REVIEWS**

**ROMANTIC RASCALS**

Charles J. Finger

Robert M. McBride & Co.

Anecdotes of famous men are usually pleasing to the average man; anecdotes of infamous men, pardoning the pun, should be doubly so. A rare collection of these are to be found in Charles J. Finger's book, "Romantic Rascals." Finger has made rather an extensive study of the rogues of history, and had a hard time to pick out but nine of the fifty possibilities. He has chosen men who have more rascality than honesty in their character, and who have appeal by virtue of their originality or their daring.

The writing is simple; directness of style, flavored with a touch of the humorous, make the book easy and pleasant reading. The semi-biographical style, which might tend to displease some, is easily offset by the quaint appeal of the subject matter. These men, picked by the author by lottery, surely have led lives that are so different from the routine, prosaic lives of most men that one cannot help being intrigued by the tale.

One meets adventurers, pure and unrefined; thieves, notoriously evil, but with a code of honor; master fakers, luring the public with their mystic "powers"; really, a host of men whose lives must stir up enthusiasm in the most sluggish.

England, France, Arabia, Iceland, and Patagonia are all contributors to this epic of rascality. Yet their deeds are such as to bring a whimsical smile to the face of anyone; audacity marks every character.

This book is in the Armour library, and will be on the shelves very soon.  
A. B. A.

**E. M. Pinkerton, '09, Now G. E. Executive**

Mr. E. M. Pinkerton, E.E., '09, has been appointed manager of the Minneapolis office of the General Electric Company. Mr. Pinkerton has been with his employers continuously since his graduation with the exception of twenty-one months during the World War when he was engaged in military service. In October, 1910, he entered the Testing Department at Schenectady and in December became a student salesman at the general office. During 1911 he worked in Chicago and in 1912 was transferred to the Minneapolis office which he now manages.

**Doctor Bodenstein Addresses Chemists**

Last Friday evening, Oct. 25, Dr. Max Bodenstein lectured at the monthly meeting of the American Chemical Society.

Professor Bodenstein, of the University of Berlin, is one of the foremost physical chemists of the world. He is responsible for the popular theory of chain reactions, for the interpretation of chemical reaction, and is a noted authority on the subject of equilibrium. Doctor Bodenstein is also editor of the German publication, "Physical Chemistry."

Statue of Liberty (as airplane runs into it, its propeller whirling): "Stop tickling me!"

**A. I. T. Founder in New Encyclopedia**

Philip Danforth Armour, founder of Armour Institute, is cited as a merchant and philanthropist by the Encyclopedia Britannica, Fourteenth Edition, which was published a few months ago. The article states that he "was born in Stockbridge, N. Y., May 16, 1832. He was educated at Cazenovia academy, Cazenovia, N. Y., and worked for several years on his father's farm. . . . In 1863 he became head of the firm of Armour, Plankington and Co., pork packers. . . . Besides contributing to many charitable enterprises, Armour founded the Armour Institute of Technology at Chicago, in 1892 and the Armour flats in Chicago, built for the purpose of supplying good homes for working men and their families, at low rental. He died on January 6, 1901."

The folly of one man is the fortune of another.—Bacon.

All freshman men at Knox College are required not only to wear green caps, but also to "button" to sophomores, juniors and seniors. The Student Council plans to enforce this ruling set by them.

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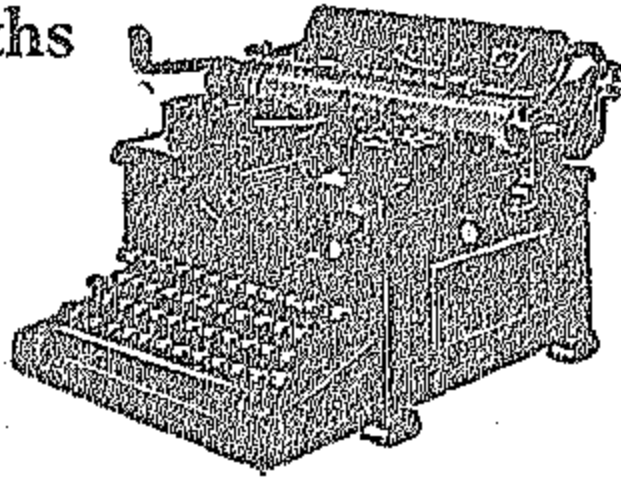
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**FRATERNITY NOTES**

**KAPPA DELTA TAU**

The Kappa Delta Tau fraternity has the pleasure of announcing the initiation of Max Berger, '32.

**THETA XI**

The annual Halloween dance was held last Saturday night at the chapter house. An alumni smoker will be held tomorrow night at the house.

**RHO DELTA RHO**

The Rho Delta Rho fraternity announces a Pledge Dance on November 2, 1929 at the chapter house. It also announces the pledging of Henry Fishman, C.E., '33, and Ira Krawitz, Ch.E., '33.

**PHI KAPPA SIGMA**

Alpha Epsilon of Phi Kappa Sigma is busy formulating plans for the annual Parents Day which is to be held in the near future.

College students are just like everyone else in the world. They clamor for something different, and after they get it, realize how nice everything was before the change was made.

Three women students are enrolled in the School of Engineering at Washington State University.

The Department of Foreign Languages at Stevens Institute is being discontinued with this year's curriculum, the reason being that the demand for instruction in this branch of learning has steadily diminished since the war. Henceforth the "Humanities" at Stevens will be limited strictly to English.

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**SPORTS**

Here you will find full accounts of the progress of Armour's athletic teams. Gridiron Queries.

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Important announcements from the President's and Dean's office are published.

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### WANT TALL MEN FOR BASKETBALL TEAM THIS YEAR

#### Krafft to Issue Call for Basketball Material Soon

#### PIN HOPE ON FRESHMEN

Although football is occupying the sport limelight now, Armour will turn to basketball when Coach Krafft issues his call for material next week.

Krafft has only two major letter men on which to build his team this year. Captain Simpson, forward, and Rossing, center, are ready to hold down their positions. Robin, center, and Ott, a forward, were awarded minor letters and will return this season.

Carlson and Rutkowski, squad men of last year, will attempt to win regular berths. Rumors say that Don Paul, shot-put expert, will be out this year. Don is no slouch at the cage game. Miran, who was forced from the squad because of an injury last year, is also expected to play.

#### Depend on Freshmen

Coach Krafft does not consider the prospects very promising. If a good bunch of freshmen appear for practice he will probably modify his expectations of a lean year.

A couple of hefty guards would fit in nicely, and a six-footer or two would be useful. Last year five games were lost by one or two points. Tall men, with their added ability for follow-up shots, would undoubtedly have saved those games.

The first two or three weeks of practice will be held on the school gym. Last year about 70 men reported for early practice. This squad was carefully sized up by Krafft and soon cut to about thirty. These were drilled on fundamentals for the entire time in the small gym in the main building. Only a few scrimmages were attempted to get the men into condition.

As soon as the squad goes to the Armory it's a different story. Practice is much more intent. Scrimmage occupies a good part of this practice, and the fifteen or twenty lucky men begin a hard winter.

#### Announce Definite Games

Coach Krafft and Manager Faulstich announce that eight out of a probable sixteen games have been definitely scheduled.

#### Tentative Basketball Schedule

Dec. 17, Y. M. C. A. College at Armour.

Dec. 19, Chicago Normal College at Armour.

Jan. 11, Northwestern University (McKinlock) at Northwestern.

Jan. 16, Augustana at Augustana.

Jan. 21, Northwestern University (McKinlock) at Armour.

Jan. 23, Armour at Chicago Normal College.

Jan. 29, De Kalb at Armour.

Feb. 6, Armour at De Kalb.

Feb. 8, Armour at Y. M. C. A. College.

Feb. 14, Augustana at Armour.

Tentative games, according to Faulstich, include the Alumni Michigan, State Normal, Detroit University or St. Mary's College, and Lake Forest. A tentative trip to Ypsilanti and Detroit is scheduled for Feb. 20-21.

Watch the bulletin board for a definite call for practice. Everybody out!

Swimming has now started in genuine earnest. The men report to the University of Chicago at least twice a week for practice.

Believing there should be more cheering and less gossip at Ohio University football games, the authorities have ordained that no longer may the men and women sit together in the stands. An occasional wave of the hand or a shout will be the only means of greeting after the two groups have assembled for the game.

### Turnout Large for Boxing Squad

Twenty-five enthusiastic aspirants for Armour's purported 1929-1930 boxing team flocked to the gymnasium last Tuesday, responding to Coach Weissman's call for leather punchers.

This assemblage of fisticuffs represented the largest turnout that has ever congregated for such a cause. The galaxy of pugs was composed of a mixture of veterans and debutants. There were men with high school experience and others who received training in amateur fights. Some of the men reported having no previous training but their attitude seemed to signify that they possessed boxing proclivities that could be developed.

The appointment of B. Weissman, a DePaul alumnus, as boxing coach, perhaps served as the stimulant that aroused the overwhelming interest that took root when the clarion was sounded for boxing material.

#### Veterans Back

All of last year's letter men, eight in number, are back and will attempt to regain their former berths. They will be confronted with a good deal of competition, but this will no doubt bring on the elimination of the less talented and prompt the survival of the fittest. Several of the lettermen have taken on more weight and will be obliged to make bids for a position with a heavier division.

No member will be at liberty to assume that he has his position cinched, since there are so many aspirants. This, incidentally burdens Weissman to some extent but when the task of selecting the representatives is completed, better results will invariably arise.

The large turn-out of pugs however, has not settled Weissman's problem of finding a good heavy-weight and featherweight. There is a great need for men to fill these vacancies and all candidates desiring tryouts will be given a cordial welcome.

Armour's veteran staff of boxers is composed of N. D. Buehling, Capt. Sandstrom, J. Taylor, Schwartz, Larkin, Whitfield, Nelson and Strauch. The managerial position is held by Leon J. Steck, '30.

Practice session hereafter will be held regularly on Tuesdays and Fridays in the gymnasium.

Students returning to Ohio University this fall viewed for the first time the new \$185,000 football stadium, with a seating capacity of 12,000, now virtually completed. The stadium is supposed to be one of the most beautiful in the state of Ohio, the greater part being faced with brick to harmonize with the California redwood seats.

Airplane equipment valued at \$10,000 has been donated to the University of Pittsburgh by the War Department for teaching and research work. The War Department furnishes all universities with equipment to be used and studied and also a complete list of all obsolete parts upon request. This equipment is not to be used for flying.

"Have a mint, Senator?"  
"Certainly not, I'm not open to bribery."

### Gridiron Queries

By Professor John J. Schommer

(Editor's note: Professor John J. Schommer, star player, conference umpire, and leading football authority, will answer through this column, any questions on football which are puzzling our readers. Questions may be submitted to the Sports Editor, A. H. Jens, or they may be placed in the Armour Tech News box which is located in the main building adjacent to the elevator on the first floor.)

Question 1: Man of offensive team is about to receive a pass. Player of defensive team on seeing that he cannot intercept the pass or "break it up" makes a diving tackle at the player thinking that the ball was caught. His tackle interferes with the catch causing the ball to hit the ground. What does the referee rule?

Answer 1: If defense tackler strikes the receiver of the pass before the ball is touched, the official rules interference. Penalty in this case—"loss of ball at spot of interference." So the offense would procure the ball at spot of interference with first down.

Question 2: Player of offensive team is running for a touchdown, he drops the ball then picks it up and continues for the goal line. Does the new fumble rule deprive him of the right to do this?

Answer 2: The offensive can always recover a fumble and run with it. For the defensive the ball is dead at spot of recovery after ball strikes ground.

Question 3: Coach of offensive team sends player on the field to substitute for another. If the offensive team in the meantime makes a play before the player reports to the referee, can the defensive team rule that twelve men were on the playing field?

Answer 3: He can, but the rule says the referee need not penalize unless the twelfth player interferes with the play.

Question 4: What is the maximum penalty that a referee can impose upon a team before another play is made following the one in which the offense was committed?

Answer 4: Suspension of a player from the game and loss of half the distance to the goal line.

Question 5: One of the rules in football prohibits a player who is substituting for another to talk until the next play is completed. Is he subjected to penalty for saying something so insignificant as "Fight," "come on," "let's go," etc.?

Answer 5: Yes, because these words may convey a signal which is to be used.

Question 6: What is meant by possession and control?

Answer 6: "Possession and control" of a ball means the ball is not juggling nor slipping but that the player has such control he can handle the ball at will.

Declaring that the dictation and enforcement of freshman rules should be in the hands of the faculty, one professor at Victoria University recently forbade the freshmen to enter his lectures with the required yellow ties.

### Sophs Best Bet for Cage Title

Armour's next inter-class meet will be shifted to Coach Krafft's emporium, the school gymnasium, where the four class teams will endeavor to settle their class basketball supremacy.

Actual competition will not get under way until the latter part of next month, but the selection of managers and players will begin very shortly. A full month's time for training should prove very advantageous to the respective teams, for then their games will be truly representative of their relative strength.

If last year's results are to have any bearing on this season's outcome, it can be safely predicted that the sophomores loom up as the most serious contenders for the forthcoming interclass meet.

Last year's conquerors of the inter-class basketball contest have graduated. The runners-up are the sophomores, while the juniors who are generally conceded a probable chance of winning don't seem to have that chance this year, inasmuch as they were eliminated last year by this year's sophomore class.

It will be further remembered that the Sophs while only freshmen last year nearly defeated the seniors. They led the graduates 11-10 at the end of the third quarter and did not relinquish their lead until the last four minutes of play.

Carlson, a regular of the Varsity squad, McClellan, Laden, Billings, Stalzer and Leichtenberg will probably form the second year squad. Rowley and Smith are delegated to handle the brunt of work on the senior team. The juniors will have Mago, Miran, and Rutkowski.

Little is known of the freshman team, but they will no doubt place a good quintet on the floor.

All managers for the class teams will be selected by the class presidents. It is expected that the selections will be made within the next week.

### TECH SHORTS

Now that the Juniors are crowned Baseball Champs, athletic competition between classes will remain at a standstill until the annual basketball feud is fought.

Basketball seems to have started with a bang around Tech. Krafft will issue his first call; the fraternities are spending their idle evenings tossing the ball around; the classes are deciding who is going to win the big inter-class series.

The inclement weather of last week washed out all hopes of any cross country practice. Too bad Tech does not possess an indoor track where the boys could keep in condition regardless of weather.

We hear that Don Paul is going to try out for the Black and Yellow basketball squad. Don is really an accomplished athlete. Besides performing with the 16-pound shot, Don plays a good game of football, as a baseball player he can hit home runs when only home runs count, he certainly is no slouch on the basketball floor, he may be rated as an expert high jumper and is a good dash man.

Swimming got a premature start last week when C. D. (Cistern Diver) Brown went splashing around in the 20,000 gal. cistern of Underwriters' Laboratories. It seems that "Bus" knocked a hose nozzle into the slimey depths of the tank and that said nozzle could not be retrieved without fancy diving and an inverted back stroke. Ed Knox of swimming team fame was at hand to see that all operations were conducted according to Hoyle.

The question is asked, "Do Tech students have time for football?" Our answer to this is an emphatic affirmative. On Saturdays 150 Tech students spend 4 to 5 hours at the University of Chicago ushering at Chicago football games. Why couldn't they devote this time to the support of their own team?

Trognitz will again swim the breast stroke while Knox will splash the 40-yard crawl. Capt. Strauch will perform off the end of the diving board.

This year's basketball team will be captained by W. King Simpson. With only one other major letter man on the team, Rossing, things don't look quite so bright at the present.

If Krafft has as many candidates as were present last year for the initial practice he should find little difficulty in picking the 1929-30 squad.

Students at Henry Ford's old school will have to study by oil lamps to preserve the atmosphere.

To think of 70 men attempting to play basketball in the 2nd gym of the Institute is pathetic to say the least. Especially since Krafft is going to teach fundamentals.

A. H. J.

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