

Armour Tech News

Vol. IV. No. 7.

Armour Institute of Technology, Chicago, Illinois

Tuesday, November 5, 1929

REFERENCE BOOK FINES HEAVY IN OTHER SCHOOLS

Miss Steele Receives Replies to Her Questionnaire

RULES VARY WIDELY

Miss Nell Steele, librarian, in an effort to improve the reference book situation at Armour, has sent questionnaires to twenty-two schools asking for their methods of handling this problem. The replies received disclose several facts which are of interest to Armour students.

Practically without exception the replies indicated that students were not permitted to withdraw over-night books earlier than one hour before the libraries' closing time and were required to return them either at the start of the next day's first class or within the first hour. The libraries of more than half of these schools do not close until 9:00 or 9:30 p. m., which means that reference books in those schools cannot be taken until 8:00 p. m. and, in some cases, until 9:00 p. m.

Fines Vary Greatly

The fines on books overdue range widely, some having no fine at all, some having a fine which varies according to the offense, some placing an hourly fine on each book of from five cents to twenty-five cents, and a daily fine of twenty-five cents to two dollars or more, and some having graduated fines which vary according to the number of hours the book is late.

Northwestern University has a fine of this type. The fine is ten cents for the first hour, twenty-five cents for the second hour, and fifty cents for the remainder of the day after the second hour. Thus, the daily fine amounts to eighty-five cents which can be avoided

(Continued on page 4)

Boxers Get New Squared Circle

If the tentative plans calling for a home and home schedule are carried out by Manager Steck, Armour's boxing fans will be given an opportunity to witness their local pugs in several matches at the school gymnasium.

In the previous years, all boxing matches were scheduled on foreign rings. This arrangement often played an injustice to the school team. At times the team was forced to contend with partial referees, and inadequate scoring systems forcing them to accept the losing end of many close decisions.

It is natural of course for the visiting team to carry on without the aid of any proverbial breaks that are at stake in a match, but Armour's team on several occasions in the past felt as though they failed to receive at least an even break.

Armour's pugs, however, will not look forward to Dame Fate when it schedules fights in the school gym, but they will have the satisfaction of knowing that they'll win the battles if they actually outpoint their men.

The boxing ring and lighting system in the gym is already being improved preparatory to the proposed change in the 1929-1930 schedule.

The regular boxing practice sessions were held last Tuesday and Friday evening. The men continue to show their earnestness by turning out regularly. Coach Weissman, in lecturing to his proteges, stressed that all men must be out for practice if they expect to win a berth with the team. He further stated that no movement could live on enthusiasm if it was not coupled with hard work and promptness in doing it.

McLaughlin Picks Junior Assistants

E. G. McLaughlin, social chairman of the Junior Class, has appointed the members of his committee. These men, C. J. Robin, W. M. Miran, F. M. James, and R. Timmermans, will assist McLaughlin in making plans for the Junior Prom, Junior Dance and all other social events of the class.

Flask and Beaker Rewards Cavanagh

It was decided at a meeting of Flask and Beaker, professional chemical club, held last Tuesday that a membership in the American Chemical Society for one year be presented to the member of last year's Freshman Class in Chemical Engineering who had the highest average. Jack Cavanagh '32, is the student who is to receive the award. This event is to set a precedent to be followed by the club each year, the purpose being to promote interest in high scholastic standing.

The presentation of this award is to be made in the near future at a function observed by Flask and Beaker. Definite information will be given later concerning the date and other details of this function, but it is understood that it will likely be in the form of a Smoker.

While the Flask and Beaker is not an honorary organization, its members are required to have certain scholastic records. It has chosen the method outlined to show its interest in excellent ranking.

The membership presented to Mr. Cavanagh carries with it a year's subscription to any two of the publications of the American Chemical Society as well as all the privileges of membership. These publications are Chemical Abstracts, Journal of Industrial and Engineering Chemistry, and Journal of the American Chemical Society.

U. of I. Archs Inspect Chicago

The Senior architectural class of the University of Illinois consisting of about forty-five students under the direction of Mr. Dillenbach made an inspection trip of Chicago and vicinity last week.

The important places visited on the tour were the Art Institute, Goodman Theatre, Burnham Library, Fourth Presbyterian Church, University of Chicago chapel and some of the larger loop office buildings. The offices of Holabird and Root, 333 N. Michigan Avenue, were also inspected.

The trip ended Saturday when the whole group attended the University of Illinois vs. Northwestern football game at Evanston.

Engineer Staff Now Back From Purdue

Members of the Armour Engineer Staff who traveled to Purdue University last week have now returned to their classes.

Many new features and innovations were seen among the exhibits at Purdue. Besides the business that was conducted while away the men took part in several social functions. These informal gatherings proved very interesting to the writers of the Engineer.

The group left Chicago on Wednesday Oct. 30 late in the afternoon. The men left Purdue immediately after the Conference, which ended Saturday morning, and arrived in Chicago late Saturday.

Local Professor Displays Unusual Psychic Powers in Senior Lecture

REVEALS SOURCE OF UNUSUAL EXHIBIT

Hallowe'en it was, though a little early in the day. Professor Umbreit, of Northwestern, and better known at Armour as the exponent of the boot and shoe industry, astounded his class of Seniors with his occult and mystic powers in presenting an unusual exhibit from his favorite industry.

The Seniors, aroused from their state of lethargic reverie, observed an assortment of boots, shoes, etc., float airily across the stage, commanded by a single wave of his hand. A second twist of the wrist by the accomplished professor, and the whole remained stationary at a position directly above him at a height of about a dozen feet.

Great was the wonderment voiced on all sides. To many the most remarkable part of the feat was that the professor did not even have to roll up his sleeves in order to secure the manifestation.

Professor Umbreit was impressed greatly with the reception accorded his display and promised to present additional exhibits in the future. For the next week, he was puzzled as to feasibility, as he intends to discuss the tractor industry.

At the conclusion of the lecture, the professor modestly explained that the stunt was not a true manifestation of occult power, but was faked with the aid of a number of wire pulling Seniors.

Senior Dance to Be On Friday, Dec. 6

The first big social event of the school year, the Senior Dance, has been announced by the Senior Social Committee, headed by Ray Shoan, chairman. The date has been set as Friday night, December 6, and the place decided upon is the Red Laquer Room of the Palmer House, scene of so many successful social affairs of Armour. Waddy Wadsworth and his orchestra will furnish the music from the hours of nine until one.

Each class gives an informal dance each year, and the Junior class also gives the Junior Prom, a formal dinner dance or supper dance. These affairs constitute the main social events given officially by the school.

Bids will be two and one half dollars, and may be obtained from any member of the senior social committee. Any student or alumnus of Armour is eligible to purchase a bid.

Joint Meeting of W. S. E. and A. I. E. E.

The Armour Branches of the A. I. E. E. and W. S. E. held a joint meeting last Friday, November 1st, in Room D, Mission. This was the first meeting of both societies this semester.

Mr. H. H. Field, of the Northern Illinois Public Service Company, who for the last two years has served as Secretary of the Electrification of Steam Railroad Committee, gave an illustrated slide lecture on "Electrification of Railway Lines in Europe."

Mr. Blomme, chairman of the Armour Branch of W. S. E., then turned the meeting over to Mr. Dollemmaier, chairman of the Institute branch of A. I. E. E.

Mr. Dollemmaier announced the members of his committees. The Meetings and Paper committee consists of Baker, chairman; Zimmerman, Sanborn, Bigelow and Patzelt. The men on the Social committee are Serson, chairman; Stier, Hanke, Roffee and Kellner. The chairman of the Membership committee is Southwick and the members are Drigot, Knittel, Fetterman and Johnson.

CALENDAR

Wednesday, Nov. 6
F. P. E. S. Meeting, 9:30 A. M.,
Room H, Main Building
Basketball Practice, Gym

Thursday, Nov. 7
Cycle Staff Meeting, Theta Xi
House

Friday, Nov. 8
Flask and Beaker Smoker
Theta Xi House
Basketball Practice, Gym

Monday, Nov. 11
Basketball Practice, Gym

Wednesday, Nov. 13
Armour Tech News Smoker,
Theta Xi House

Library Announces Addition of Books

The library of the Institute has recently been enriched by the purchase of a hundred and fifty books, both of a technical and non-technical nature. The books are rapidly being catalogued by the assistant librarian, Miss Dorothy Cornwell, and will be open for distribution.

Unusual care has been taken to select the best types of books so that the limited funds may produce the maximum amount of good material.

In order that the men may realize the nature of the purchase, the NEWS lists some of the books under the various headings.

Non-Fiction

Anthony, Katherine—"Catherine the Great."
Ball, W. W. R.—"Mathematical Recreations and Essays."
Beebe, William—"Log in the Sun."
Browne, Lewis—"That Man Heine."
Brownell, L. E.—"Accounting and Finance."
Bryan, G. S.—"Edison—that Man and His Work."
Clapp, J. M. and E. A. Kane—"How to Talk."
Eddington, A. S.—"Nature of the World and Man."
Humphreys, W. J.—"Physics of the Air."
La Coste, J. R.—"La Coste on Tennis."
Ludwig, Emil—"Goethe, the History of a Man, 1749-1832."
O'Neill, Eugene—"Strange Interlude."
Walter, Ellery—"World on One Leg."

Fiction

Byrne, Donn—"Wind Bloweth."
Cather, Willa—"Song of the Lark."
Douglas, Norman—"South Wind."
Feuchtwanger, Leon—"Power."
Hamsun, Knut—"Woman at the Pump."
Hudson, W. H.—"Purple Land."
Ibbanzy, Belasco—"Unknown Lands."
The Story of Columbus."
Keeler, E. S.—"Thieves' Nights."
Lewis, Sinclair—"Dodsworth."
Sabatini, Rafael—"Hounds of God."
Tomlinson, H. M.—"Gallion's Reach."
Taking the technical subjects
(Continued on page 8)

Six New Men Apply for Cycle Positions

Initial plans for this year's Cycle were formulated at the first meeting of the staff held Friday, November 1. Organization of the new staff to publish the annual was the principal business discussed. O. Murphy was appointed photography editor. Six new men applied for positions on the editorial staff. A number of sophomores are still needed to assist department heads. A meeting of the officers is planned for Thursday, November 7 in the Theta Xi house.

An assembly will be held next Monday morning, Armistice Day, at which time, General Abel Davis, nationally known military hero, will address the students. The assembly will be in Assembly Hall, starting at ten thirty o'clock in the morning.

Mr. Davis is Vice-President of the Chicago Title and Trust Company, one of the largest financial institutions of the country.

Three Honoraries Announce Pledges

The following men have been pledged to Pi Tau Sigma, national honorary Mechanical Engineering fraternity, according to E. R. Rowley, president of the Armour Chapter:

C. T. Link, '31.
F. F. Strassenburg, '31.
A. E. Nelson, '30.
M. Vander Velde, '30.
H. H. Stebbins, '30.
J. E. Higgins, '30.

Chi Epsilon, national honorary civil engineering fraternity, pledged the following men:

G. W. Kohout
M. O. Nelson
R. West

Eta Kappa Nu, national honorary electrical engineering fraternity, announces the pledging of the following men:

H. Stier
C. Rudelius
J. Filmer
E. Hanke
W. Drigot
R. Patzelt

Junior Chems See Lake Mud Filtered

Last Friday, November 1, the Junior Chemical Engineering class visited the 68th Street pumping station and experimental plant. This station is one of the largest in the city, delivering 130,000,000 gallons daily capacity at the present time, with an ultimate capacity of 200,000,000 gallons daily.

The experimental plant was of special interest at the present time, for data was being gathered on methods for the filtering of water. The water before undergoing the treatment resembled a heavy mud solution, but came through perfectly clear. Many south side residents, unable to assimilate the mixture that has been furnished of late instead of water, prefer to carry bottles of the filtered product rather than drink what comes from the faucet. It is hoped by the officials of the plant that some day Chicago will have the filter system adopted throughout the city so that palatable water can be furnished under all weather conditions.

Pumping systems and duplicate chlorine installations which are able to take care of any emergency conditions were explained in detail. The two laboratories, an experimental and a control laboratory, were also visited. Professor Bentley of the Chemical Engineering department was in charge of the inspecting group.

Work of Underwriters, Topic at F.P.E.S. Meet

Clarence Goldsmith will be the speaker at the bi-weekly F. P. E. S. meeting. The meeting will be held Wednesday, November 6, at 9:30 o'clock in Room H of the Main Building. All members are urged to be present and on time.

Mr. Goldsmith, who is with the National Board of Fire Underwriters, will speak on the work of this organization.

The smoker for the staff of the Armour Tech News, to be held on November 13, is being prepared for by a committee of M. O. Nelson, S. Janiszewski, A. Weston, R. Ellis, B. C. Scott, R. Mulrone, T. Leavitt, and J. G. Papanantoy.

SERSON SELECTS SENIOR CLASS COMMITTEES

Committees To See That Seniors Graduate in Style

FIVE MEN ON EACH

Five Senior committees of five men each have been appointed by Bob Serson, Senior Class President, during the last week. The different committees are the Announcement committee, Jewelry committee, Photography committee, Cap and Gown committee, and Auxiliary committee. The different chairmen are Jack Hurley, Vernon Sturm, P. E. Heath, Jack Dollemmaier, and George Heller.

These committees will take care of the work coming under their jurisdiction, enabling the Seniors to graduate in becoming style. The design of the senior jackets has not yet been decided, according to Jack Hurley, chairman of the Auxiliary committee.

The committees and their members as appointed are:

Announcement Committee

Jack Hurley, Chairman.
E. Blomme.
R. A. West.
M. O. Nelson
W. D. Wilson.

Jewelry Committee

V. A. Sturm, Chairman.
W. K. Simpson.
B. H. Roffee.
D. T. Smith.
E. B. Ross.

Photography Committee

P. E. Heath, Chairman.
W. Scott.
D. J. Paul.
J. E. Higgins.
F. J. Aste.

Cap and Gown Committee

J. Dollemmaier, Chairman.
F. E. Sanborn.
F. H. Bigelow.
J. G. Papanantoy.
J. S. Meck.

Auxiliary Committee

R. B. Johnston, Chairman.
E. R. Rowley.
C. F. Vojteck.
C. L. Carlson.
H. W. Faulstich.

Better Homes Contest on Exhibit Downtown

The sketches and floor plans of nearly 100 homes awarded prizes or honorable mentions in the 1929 Better Homes contest sponsored by The Daily News, the Home Owners' Institute and twelve other newspapers throughout the country are on display now at the Burnham Library of the Art Institute. They will be kept there until November 23.

The exhibit contains examples of the best work of leading architects in all parts of the country. A total of \$29,000 in prizes, the largest prize list ever offered in such a contest was awarded, and the entry list representing practically every state in the union is said to have been the largest of any architectural contest ever held under the auspices of the Contest Committee of the American Institute of Architects.

Plans for the building of three of the prize-winning homes under direction of the Daily News to serve as demonstrations of modern home planning, buildings and equipment are nearing completion and will be announced in the near future.

FROSH INJURED

George J. Beemsterboer, '33, C. E. sprained his ankle very badly playing basketball in a gym class last Thursday noon. He was taken home in a taxi as he was unable to walk.

FLASK AND BEAKER SMOKER

Flask and Beaker will hold a smoker at the Theta Xi house next Friday, November 8.

Armour Tech News

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ACTIVITIES

Does the individual who partakes in extra-curricular activities gain or does he lose by such participation? First, just what do we mean by the term "extra-curricular" activities? What do we consider as activities outside the line of studies?

Strictly speaking, joining professional societies such as the Western Society of Mechanical Engineers, the American Institute of Chemical Engineers, or the Fire Protection Engineering Society means taking part in outside activities. But these organizations act in such close connect with the instruction of the school that their work may be said to be supplemental to the class and laboratory work.

The other school organizations such as the athletic teams, the musical clubs, the publications, are really the ones to which we refer when we talk of extra-curricular activities. Are these activities helpful or harmful to the student? Should the student participate in them? Let us consider them separately.

The spirit of play is the chief attraction and at the same time the greatest good which comes from college athletics. "All work and no play makes Jack a dull boy" is an old and true maxim, and one which applies particularly to collegians. The college man, probably to a greater degree than those in any sphere of life work should take up some form of exercise. Upon the advice of competent authority some line of work of a nature calculated to offset his expenditure of mental force would be certain to be beneficial. Men who go in for competitive athletics will have the satisfaction, at the end of their college careers, even if they have not earned their letters or numerals to prove a certain brand of excellence, of having developed command over self, and degree of physical confidence which must prove useful later on in life. A sound body is the best vehicle for a sound mind.

The ability of music to provide an outlet for the emotions of life, to furnish a means whereby one may express himself, has been recognized as long as man has been able to create harmony. The true musician's love for music is a thing that must be satisfied, whether as a hobby or as a chief occupation. He gains from his music a cultural influence which makes his life more worthwhile.

And now for the publications. In the past, we have talked so much about the value of a knowledge of how to speak and how to write, that the students probably suspect we are in the pay of the English teachers' trust. But everything we have said about the matter is true. Unless a person can express himself, his knowledge of other matters is totally wasted. His final showing equals the product of his knowledge times his efficiency of expression; therefore it is just as important to be able to express what he knows as it is to know it. By work on the publications, men can gain experience along this line.

We conclude that, when chosen wisely and with caution, outside activities are of great benefit to the student. But he should not overload himself. When this happens either the studies or the nerves must suffer.

:: "THE SLIPSTICK" ::

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

NOBODY

Like the flowers need the sunshine,
Like the nightshirt needs the tail,
Like we all need lots of money,
Like the convict needs the jail,
Like the collar needs the button,
Like the oyster needs the stew,
You can see they all need someone,
But who the deuce needs you?

Ann Onymous says that if every after-dinner speaker in the world were placed end to end—it would be a good thing.

KEEP OFF

City Urchin (in the country for the first time):
"This is just like grass, aint it?"
Little Friend: "Why, it is grass, Chimmie."
Urchin: "No, it aint, cos yer don't have to keep off it."

It's usually a wrong road that has no turning.
R.F.S.

Heard in Hydro

Prof. (working example on board): "Well, sir, what shall I do now?"
Stude: "Change your head to feet." H. A. M.

Silence is sometimes golden, but then it may be gullit. W. L. F.

Real Estate Agent—"What do you think of our little city?"
Prospect: "I'll tell you, it's the first cemetery I ever saw with lights."

They called him Artie because they hoped he'd choke.

A minister tacked this notice on the church door: "Brother Smith departed for heaven at 4:40 p. m. yesterday." The next day he found tacked beside it: "Heaven—9:00 a. m.: Smith not arrived yet. Great anxiety." Chester.

SMALL CHANGE

The recent crash of the stock market makes us sad. It reminds us of the time we lost a nickel down a grating in the sidewalk.

A Dead Heat

There'd be fewer accidents if the train and the automobile didn't get to the crossing at the same time.

AND HOW YET, DOC

Doctor: "What you need to do, sir, is to relax. You are overworking yourself. Too much work and worry will send any man to his grave before his time. Now, what is your occupation?"
Patient: "I am a member of Congress."

Doctor: "Let me examine your pulse again, I must have made a mistake." W. L. F.

This column might just as well be useful. If you have anything bothering you, anything at all, corns, love affairs, indigestion, how to invest your money—why just send your troubles to us and we will solve them. Positively no "calc" problems will be worked.

Son: "Dad, you are a lucky man."
Father: "How come?"
Son: "You won't have to buy me any school books this year. I have been left in the same class." Fred.

"Not even a woman can step on me and get away with it," said the banana peel as it coasted the sweet young thing into an embarrassing position.

OH, MY!

Our friend, the Scotchman, leaving on a trip, left this last parting instruction with the family: "Dinna forget to tak' Donal's glasses off when he isna lookin' at anything."

Visiting Nurse: "And do your children use the tooth brush regularly?"
Mother: "Indeed they do, Mam, as soon as they're up in the morning it's a race to see who can get to it first." R. S. F.

ADD TO LIST OF IMMORTALS?

A scholarly appearing man rushed up to the police station: "I wish to report, that my car has just been stolen."
"See who did it?" asked the desk sergeant.
"Yes."
"What did he look like?"
"Well, I am afraid I couldn't describe him," said the man, "but I did get the number of the car."

An optimist is a man who buys a cigarette lighter and throws away his matches.

SO DO WE

First: "I'm going to the hospital this afternoon. Operation."
Second: "Well, I hope everything comes out all right." Chester.

"You never can tell," sighed the gangster, as he shot the only witness.

One certainly gets a minimum amount of pleasure out of the dollar when he carries a reference book around in his brief case till about 2 o'clock in the afternoon. K. K.



Edwin Snow Professor John

A Biographical Sketch

BY STEPHEN JANISZEWSKI, '30

John Edwin Snow, Professor of Electric Power Production, was born April 4, 1886, on a farm near Athens, Ohio. He is a descendant from the "Puritan Forefathers", his family coming from England. The founder of one branch of the family arrived on the ship "Ann", in 1623, and another landed at Plymouth in 1635. Both branches settled originally in New England.

Prof. Snow's early education was obtained in the country schools. In 1886, he entered the Ohio University, attending parts of the succeeding years and working on the farm or teaching country school to earn the necessary funds during

the remainder of the year. He walked two miles each morning and evening to and from college until the senior year.

His struggle was rewarded when he graduated in 1892, completing both the philosophical and scientific courses and choosing the latter course for his Bachelor's Degree. Previous to graduation, Prof. Snow taught mathematics and chemistry both before and after graduation at the Ohio University. He also served in the capacity of instructor in electrical engineering.

Prof. Snow came to Armour Institute in the Spring of 1894, as an instructor in the electrical engineering department. He received his Master of Science Degree from Ohio University in 1896 and got his Electrical Engineer's Degree in 1901 from Armour. Three years later Ohio University conferred upon him the Master of Arts Degree.

In point of years of service, Prof. Snow is senior professor at Armour at the present time, having taught continuously more than thirty-five years. He became a member of the Armour faculty shortly after the Institute's opening.

The selection and agreement of machinery in Dynamo Laboratory has been almost entirely in Prof. Snow's hands. He has had sole charge of the senior electrical Dynamo Laboratory work since the founding of the Institute.

He believes in "seeing America first," having traveled over most of the states in the United States and Canada. Farming too has been one of his main interests. He has part interest in farms in Ohio, Florida and Canada, and incidentally, Prof. Snow confided that all the profit he ever gained from them was hard work, good health and experience.

Books and flowers are Prof. Snow's hobbies. He has a library of more than fifteen hundred volumes, many of which are special editions and have special bindings.

Show Boat

Presented at the Illinois Theater
A Ziegfeld Musical Comedy

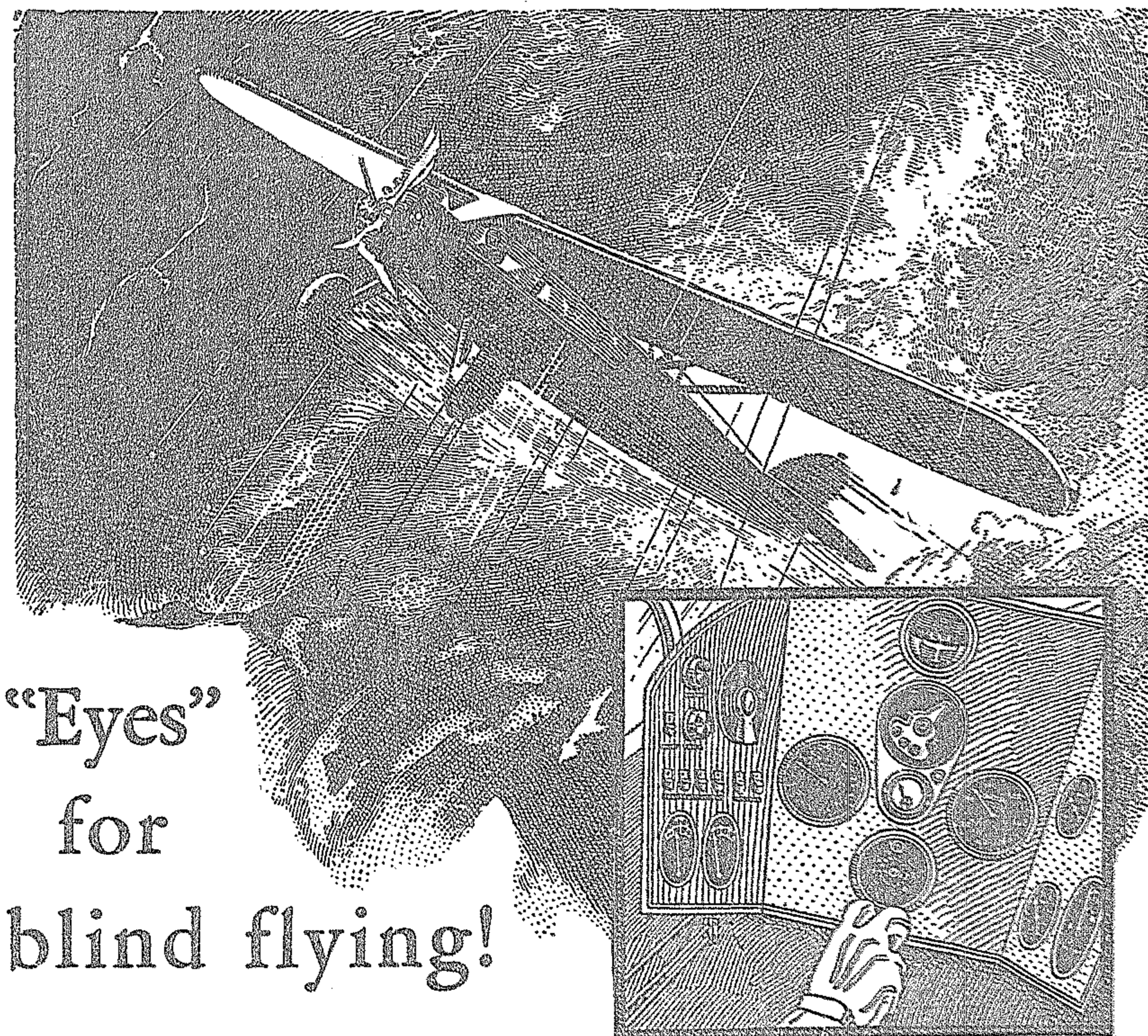
Show Boat has long been promised to Chicago and now that it is here, one feels that the two year's wait has not been in vain. This modern classic has been advertised as a musical comedy; it is more than that, it is an operetta of the Gilbert & Sullivan calibre. The music rendered is the most pleasing heard for some time. There is an old negro minstrel that is the theme song, "Ole Man River," and there are a few catchy love songs as well: "Make Believe" and "Why Do I Love You."

The story has been adapted nicely from Edna Ferber's books of the same name. The story is of Magnolia Hawks and her unending love for Gaylord Ravenal, the New Orleans gambler. She leaves the show boat to live with him in the Chicago of the Worlds Fair Days. Alternate periods of days either at the Sherman House or days at a rooming house on Ontario St., depending upon the luck of Gaylord at cards are depicted. Her debut in a beer-garden shoutin' "coon" songs and finally her great success as a stage star of modern days, are all revealed.

The story is good, and the music and dancing lend it charm and color. The scenes are exceedingly beautiful, the dancing pleasing, and the humor not at all forced.
S. T. G.

Art binding is his pet hobby. Prof. Snow is a member of Eta Kappa Nu fraternity and a member of the American Institute of Electrical Engineers. He belongs to the University Club and is a Knight Templar. He believes in the Methodist faith.

He was married in 1895 to Fanny E. Rose, daughter of a Methodist minister of Athens, Ohio.



"Eyes" for blind flying!

Three new G-E contributions to the conquest of the air

LINDBERGH, flying blind much of the way, hit Ireland "on the nose" as he winged toward Paris. Now, as an aid to air navigation comes the magneto compass, a product of General Electric research, which gives pilots a navigating instrument of extraordinary accuracy. Meanwhile, two other General Electric contri-

butions to aviation have been developed—the electric gasoline gauge and the radio echo altimeter. The ordinary altimeter shows only height above sea level. The radio echo altimeter warns the pilot of his actual distance above ground or water by flashing green, yellow, and red lights on the instrument board.

Every year hundreds of college-trained men and women enter the employment of General Electric. Research, similar to that which developed "eyes" for blind flying, is one of the many fields of endeavor in which they play an important part.

JOIN US IN THE GENERAL ELECTRIC HOUR, BROADCAST EVERY SATURDAY AT 9 P.M., E.S.T. ON A NATION-WIDE N.B.C. NETWORK



Street and Highway Traffic

A New Engineering Problem
This year (1929) will complete the production of more than 44,000,000 automobiles in this country. It will see 25,500,000 of these still in use upon the streets and highways. Production and registration of motor vehicles are increasing by millions each year.

One of the greatest problems before the engineering profession is to provide adequate streets and highways and to regulate the use of these so that they will properly handle the demands made upon them. Gradually, vast improvement projects are being planned and carried out to provide new and improved ways of travel of much increased capacity. In spite of limited funds available for such work, much is being accomplished.

But important as these physical improvements are, they require considerable time for their completion and several years must elapse before streets and highways will be adequately revised and rebuilt to meet even the most pressing needs. In the meantime, the use of the present streets and highways must be improved by regulations and devices that will keep traffic moving much more regularly and, at the same time, allow reasonable access to the curb for stopping.

Formerly the handling of street and highway traffic was relatively simple. The main official responsibility was to protect the public from abuses of recognized privileges in the use of the streets. In this officials without technical training were generally successful. Today traffic can be kept moving safely and efficiently only through comprehensive measures based upon facts properly gathered and interpreted.

Engineers are being called upon to apply scientific methods and principles to the problem. A field of engineering activity known as traffic engineering is rapidly developing. It is yet in the pioneering stage. But it opens to the real engineer, the man with creative genius and scientific approach, an opportunity to make outstanding contributions to progress in all lines—commercial, political, educational, social.

Street and highway traffic has made possible the concentration of many kinds of interests into municipal areas and has permitted their growth into vast and highly developed projects. Taxation and, to a great extent, investments are based upon values (present and potential) of lands and structures. The value of business property depends upon accessibility. Traffic incorrectly handled results in decreasing property values. The community and its investors depend upon honest and intelligent traffic engineering for a large measure of financial protection, and the traffic engineer must fully recognize the economic considerations involved in the solution of his various problems. These problems may be classed under a few general heads.

1. Left to its own selection, traffic naturally concentrates upon streets to and through centers of the greatest business activity until its movement is seriously stagnated. Detroit faced this problem and after a careful study traffic engineers developed a system of by-pass routes or loops—some close to the congested district and others farther out—designed to carry through traffic around the points of greatest congestion, making the trip much pleasanter for the drivers and relieving the business district of much traffic of no commercial value. Such preferential routes can be selected only after a scientific study of data regarding traffic volumes, origins, and destinations gathered in a way that insures that they will be representative and significant. Otherwise worse problems may be created.

2. Traffic complications demand traffic control at street intersections. Automatically operated signal systems are being rapidly substituted for the "corner cop". Traffic engineers in Pittsburgh were recently confronted by the problem of laying out of a control system that would provide for continuous

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Inquiring Reporter

What do you think of having a football team at Armour?

F. J. Aste, '30, F.P.E.—It would be beneficial in advertising the school and would create more school spirit.

R. E. Escott, '30, E.E.—It would be a good idea because there is a lot of good material here. Since other engineering schools can have teams, we should be able to find time for one, too.

D. J. Paul, '30, F.P.E.—It's a good idea but there is not enough time. I know I have not the time.

R. F. Young, '32, F.P.E.—Good idea! It would create a lot of school spirit.

C. H. Fox, '31, C.E.—A swell idea if we had the time. We have material and a good coach in John Schommer.

G. E. Davison, '31, M.E.—It would be a good thing but the fellows have not the time. The afternoon classes prevent it. John Schommer's plan for a summer camp would remove the necessity for prolonged daily practice.

L. Billings, '32, C.E.—I think we should have a football team. We have plenty of material at hand and, with some support, could have a creditable team.

P. M. Ruzevich, '30, Ch.E.—I think that it would be a good thing in that it would spread Armour's name. The average citizen does not know that Armour exists.

C. Larsen, '31, C.E.—Great! I see no reason for not having one. It is one of the finest things they could have here.

R. F. Beck, '32, M.E.—A good idea. It would develop a little school spirit around here and would be a good achievement for the school. Georgia Tech and Carnegie Tech are good schools and they have football teams. We should be able to have one too.

movement of vehicles over a complicated and irregular street layout. After gathering significant data regarding traffic volumes, these engineers designed a system that permitted vehicles and street cars to move without interruption in one of the most difficult flexible progressive signal systems yet designed.

3. Regulation of parking has been a most perplexing problem for municipal officials. With various interests urging solutions that were entirely impracticable, the traffic engineers of Chicago proceeded to gather information regarding the use of valuable parking space in the central business district, to determine the number of vehicles that must be served by providing access to the curb for receiving and discharging passengers and goods, and to propose regulations that would meet these demands most satisfactorily to all concerned. The plan was adopted and Chicago now has one of the most successful systems of parking regulations in the country. It resulted from an engineering approach to a type of problem that is too often unsuccessfully handled by persons with neither the desire nor the experience to attack it scientifically.

4. One-way streets, through streets, elimination of turns, and the like are regulations or restrictions that cannot, in the interest of

REVIEWS

ALL QUIET ON THE WESTERN FRONT

Eric Maria Remarque
Little, Brown and Co.

Probably few books have had the popularity of "All Quiet on the Western Front", if the publishers reports are to be trusted. The book has gone into many editions in at least ten of the leading nations of the world.

Yet the book seemed disappointing. It has a touch of being overdrawn, not authentic, and unspeakably vulgar. It purports to be the story of a German infantryman; his life, thoughts, and actions are presented. The author was in the war, but still it appears that he hardly could have found things in the manner in which he presents them.

The brutishness of the treatment of the common soldier under the relentless German military machine is clearly, forcefully and accurately depicted. This we understand and expect. But to try to understand the apparent lack of supplies, food, scientific methods of warfare, and in fact all things that we have been led to believe the Germans had amazed and perplexes the reader. We are introduced to liquid fire as coming first from the American lines, whereas it has commonly been assumed that the German chemists devised this hellish tool of war.

The idea of presenting the thoughts of the man does not make for easy reading. Few men can present thoughts, and in the midst of a battle scene it is hard to suddenly have the trend of the story change to such a subject. I doubt if the men in battle could think as this man did, or claims to.

Yet the book is worth reading in that it does give a picture of the World War from the other viewpoint. We have had countless tales from the American side; but this is a new topic, and must afford subject matter for discussion.

I would warn one against reading the book from a literary standpoint. Many books today are frank, but I would class this as vulgar; the incidents that might have lent ironical humor to the bitter situations are such as to cause revulsion. Therefore, I would say to read it merely for its content and not for its style.

A. E. A.

To Decide on Junior Baseball Prize Soon

The championship junior baseball squad is still in the dark as to what award it will receive for its showing in the intramural baseball league. Not until the Athletic Board of Control has met will a suitable award be determined.

safety and efficiency, be inaugurated arbitrarily. But because the engineering approach has been too infrequently employed, it is not uncommon to find such regulations at places where they are not needed and to find them lacking in places where they should be provided. The reasons for establishing or omitting them can and should be determined.

FRATERNITY NOTES

TRIANGLE

A Tea Dance was held at the Chapter House, Sunday afternoon, October 27th. Twenty couples attended and refreshments were prepared by the visiting ladies. Triangle recently pledged Harold Bodinson '33.

Armour Chapter is making plans for the first of a series of alumni smokers to be held this fall for the purpose of establishing closer relations between active and alumni chapters. We hope to persuade Mr. "Red" Harrower, C. E., '27 to preside over the assemblage. His visit to our neighborhood should be in the nature of a home coming, since he has been for two years resident on the Firestone plantations in Africa.

DELTA TAU DELTA

The 28th annual Weiland Freshman Banquet will be held in the Red Room of the Hotel La Salle on Saturday, November 9. This dinner is attended by the pledges of the entire Fraternity as guests of Dr. Frank Weiland.

The entire Chapter accepted an invitation to attend a House Dance at the University of Chicago chapter last Saturday evening.

SIGMA KAPPA DELTA

Sigma Kappa Delta announces the initiation of Arthur H. Jens, '31, Daniel Iverson, '31 and Charles Jones, '31 on the evening of Saturday, November 2. There was a banquet held at the Chapter house following the initiation.

They also announce the pledging of Joseph Kennedy, '33.

THETA XI

An alumni smoker was held at the Chapter house on last Wednesday evening, October 30. Nine men from the Armour Chapter attended the formal house opening of the chapter at Wisconsin University on

Library Announces Addition of Books

(Continued from page 1)

first, under chemistry are found books on electrochemistry and on the mathematics of physical chemistry. The physics collection has a new work on theoretical physics, a valuable book on physics of the air, and a more general treatise on the nature of the physical world.

The civil engineers will have access to a new work on suspension bridges, and a source book in astronomy. Books on rectifiers, radio, and the electronic theory are to be found under electrical engineering. Several books on the Diesel engine, with a new work on the measurement of flow comprise the main features of the mechanical field.

The historical branch of the library boasts a new text on the Middle Ages, as well as a generalized one entitled "Stream of History." Biographies are numerous and well chosen, such outstanding men as Edison, Goethe, Rasputin, Disraeli, Mussolini, and Grant being listed.

Under the heading of "General Interest" are found diversified books most of which are not straight fiction, but of a highly interesting nature. The list includes a work on mathematic recreations, Einstein's theory, and skyscrapers; yet we also find the outstanding play of the year, "Strange Interlude" included, as well as "War Birds," a tale of aviation in the World War.

Many recent novels have been added, and some of the most popular authors can be mentioned. The latest works of Donn Byrne, Warwick Deeping, Leon Feuchtwanger, and S. S. Van Dyne include a list of men whose writings range from the beautiful semi-poetic prose to the widely popular mystery novel.

With this new addition, the librarians feel sure that they can satisfy most of the needs of the men, and invite any man to ask for advice if he cannot find the material he is seeking. Mimeographed copies listing the entire purchase are available in the library.

KAPPA DELTA TAU

Kappa Delta Tau held a very colorful Halloween party last Saturday evening, in the banquet room of a northside manufacturing plant, the room being appropriately designed with autumn decorations. The lighting effect produced elongated shadows along the wall. There was dancing galore, and a few selections of a dramatic and ghostly nature, furnished by the pledges. A number of the Alumni offered prizes for the most striking and eccentric costumes of the evening. The attire of the couples was "hard times" costumes.

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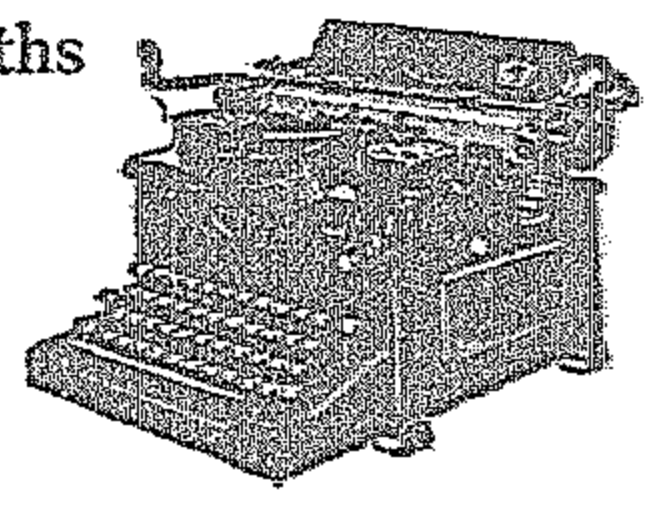
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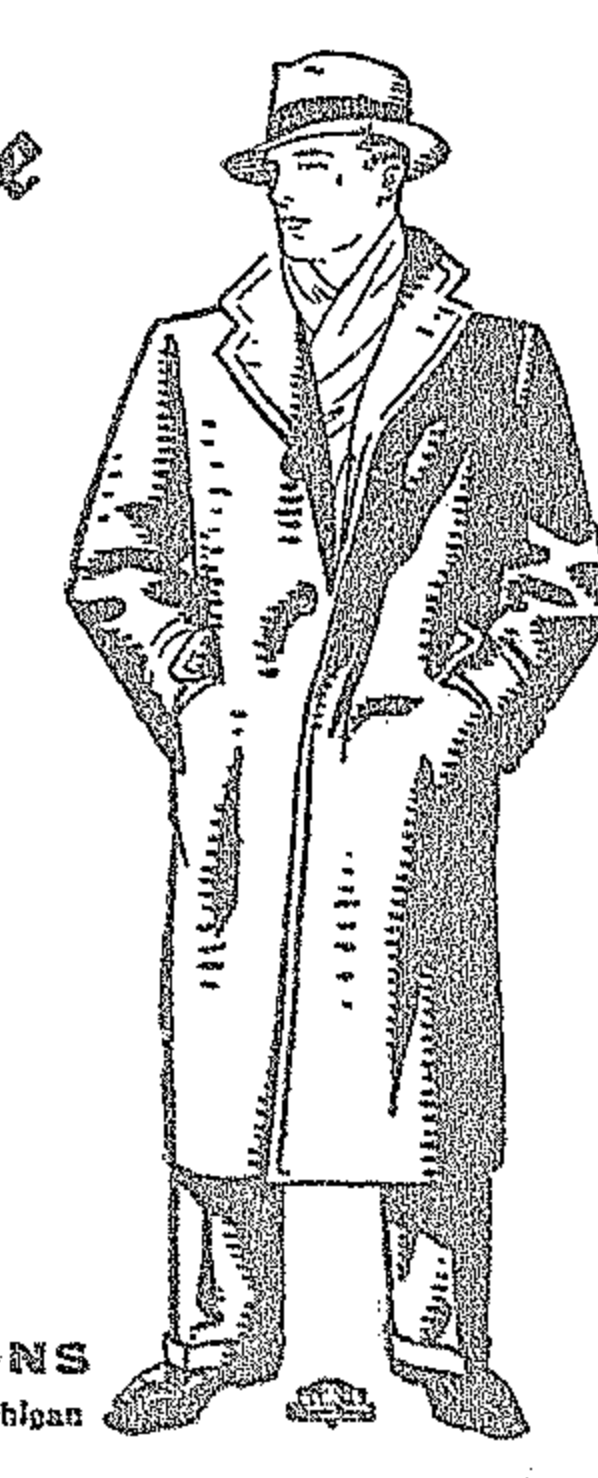
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40 MEN TURN OUT FOR CAGE SQUAD AT INITIAL CALL

Coach Krafft Explains Rudiments

NEED HEAVY CANDIDATES

Only 35 men appeared before Coach Krafft on the first night of basketball practice. Last year about 70 men answered the first call. Thursday night, the second practice, several more men appeared but the total only reaches 40 now. That is a disappointing turnout.

After a few minutes of basket-shooting Wednesday, Krafft called the men together and introduced King Simpson, captain, and Hank Faulstick, manager. He then gave a short talk on how to train and keep in condition. Krafft then explained the principles of the overhead chest shot and started the candidates practicing it. Later a short drill in passing was started.

Thursday Krafft added drills in pivoting and hook-passes to the other fundamentals. In two days the coach has been able to get a fair line on the ability of many of the candidates. Simpson, Rossing, Robin, Ott, Miran and Rutkowski are known quantities, so much attention is being given the new candidates. However, none of the men mentioned are sure of their positions, for the best man gets the job.

Very few men appeared to have the weight and size Krafft wants. From the 40 men out now, a fair team may be developed, although the team will not be large or heavy.

Practice will be held on Monday, Wednesday, and Thursday from now on. November 18 will probably find the squad on the Armory floor.

Rossing Manager of Sophomore Cage Squad

Harvey C. Rossing, C. E. has been chosen by President Lucian Billings to manage the destiny of the sophomore basketball team. The sophs are rather optimistic this year, as they have a lot of good material left from the past year's efforts, in their ranks. It will be remembered that the Senior Class, champion basketballers last year, had a difficult time nosing out the present sophomore class.

Carlson, Billings, Stalzer, and McClennan stars of last years fray are all in school and eligible to play. These men are the reason why the sophs dare to have hope.

Late Sport Notices

Wheaton 10
Armour 26

Wheaton College's cross country team, champions last year of the "Little Nineteen", showed that they were on their way to another championship when they defeated Armour last Saturday, November 2, at Washington Park by a score of 10 to 26.

Hess of Wheaton easily outdistanced the field, and trotted home first with distance to spare. Captain James of Armour finished first for Armour. The results of the finish were:

- Hess, W., 1st
- Hoeldtke, W.
- Ferris, W.
- Paine, W.
- James, A.
- Perrella, A.
- Weldy, A.
- Galvani, A.

A. H. Jens Made Junior Basketball Manager

Arthur H. Jens has been appointed manager of the junior basketball team by President Fred Atwood. Although Art admits that the prospects are not so bright at present, he is confident that he will have a scrapping team rounded up before the inter-class series starts.

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.)

GRID QUESTIONS

Question 1. If a player reaches outside the playing field to catch a pass but refrains from stepping over the side line is the catch legitimate?

Answer 1. Yes, if he does not touch the side line.

Question 2. Member of team A throws a forward pass from scrimmage. Man of defensive team attempts to catch it but muffs it. Guard of team A snatches the ball before it touches the ground; will he be permitted to advance the ball?

Answer 2. Yes.

Question 3. Is there any restriction as to what type of a tackle a defensive player can make.

Answer 3. No. As long as no unnecessary roughness is used.

Question 4. Man of the offensive team is about to pass the ball from scrimmage, holding it with an outstretched arm in the air. Defensive player snatches the ball out of his hand and runs for a touchdown. Is the play legitimate?

Answer 4. Yes.

Question 5. Player of the offensive team is about to pass the ball; defensive player makes a flying tackle causing the passer to make a bad throw. Does the referee rule that defensive player interfered with passer?

Answer 5. No. Play is O. K.

Question 7: Who is eligible to receive a forward pass in an offensive team? Who may intercept a pass in the defensive team?

Answer 7: The men that are eligible for a forward pass on the offensive are those on the ends of the line and those at least one yard back of the line of scrimmage. All men on the defense are eligible to intercept the pass.

Question 8: Team A fumbles behind their own goal line, but recovers the ball behind their goal. What score is to be awarded team B? Where is the ball placed in the next play and in whose possession?

Answer 8: It may be either a touchback or a safety, depending on who sent the ball across the goal line. In either case the ball is put in play on the twenty yard line.

Question 9: What is a free kick? For what reason is it employed?

Answer 9: A free kick is one that permits the kicking team to drop kick, place kick or punt with their opponents 10 yards away as a restraining line. It is earned by holding clearly above one's head the hand which protects and prevents runner from advancing on any kicked ball.

A sports column of the Indianapolis News tells the story about the sub sent into the game to "get" Red Grange who said, "Which one is this guy Grange?" And then says that at the Purdue-Michigan game the following instance might easily have happened: A sub was sent in by Kippke with the instructions, "Get that guy."

"Which guy," said the sub.
"Yunevich guy," said Kippke.

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Reference Book Fines Are Heavy

(Continued from page 1)

only by returning a book during the first two hours.

Two Dollars at Iowa State

Iowa State College, on the other hand, places the heaviest fine on the first hour. Their fine is as follows: first hour, fifty cents; second hour, twenty-five cents; third hour, fifteen cents, and fourth and each succeeding hour, ten cents. The fine per day is the sum of the hourly fines, which amounts to two dollars, unless this sum is greater than the cost of the book, in which case the latter amount is substituted.

The Montana State College has its fine fixed at a straight ten cents per hour with the daily fine placed at the same rate.

At Vanderbilt University the rate is twenty-five cents per hour. The daily fine varies with the offense, but sometimes is a flat rate of one dollar per book per day. For long unpaid fines, students may be denied the use of the library.

Kansas Most Drastic

The fine on reference books at Stout Institute is five cents per hour or fifty cents per day. The daily fine may be raised to one dollar, if necessary.

The University of Kansas places no fine on reference books which are turned in late but denies offending students the privilege of drawing out such books. Apparently this is an efficient method of insuring the prompt return of books which are in demand.

At Bradley Polytechnic Institute a flat hourly rate of ten cents is charged. The daily fine is the sum of these hourly fines or one dollar and twenty cents.

Students at the University of Detroit may withdraw reference books

TECH SHORTS

Enthusiasm

Basketball has made its first bow at Tech for the year. If enthusiasm makes for a successful team, Armour will win many more games than it will lose this season.

Things didn't go so "hot" for the Krafftmen last year, but as the old saying goes, "Better days are coming."

The baseball team winning thirteen out of fourteen games this Spring offers a very handsome record for these basket shooters to aim at. It's been done before and it can be done again.

Nothing Like Color

Should one have desired a riot of style and color in basketball haberdashery he should have been at the gym and watched the Krafft prospects work out last Wednesday.

Edstrand just found out that he will receive a baseball uniform when he graduates. For information see John.

Inter-class Practice

There will be no inter-class basketball practice in the gym until after the middle of November. Since the Varsity squad uses it for practice on Monday, Wednesday and Thursday and the boxers on Tuesday and Friday, there is small chance for the class teams to get going on any of these days. However, as soon as the Tech Varsity moves over to the Armory several vacant days will result.

only with permission of their professors.

At Stevens Institute of Technology reference books may be taken from Saturday noon to Monday morning only.

Modesty
Our basketball writer, E. R. Rowley, is too modest to admit that he is a candidate for the Tech basketball squad.

Prospects and Veterans

Familiar faces were seen on the basket floor the other night when the first workout was held. W. King Simpson, Captain, very ably assisted the coach in giving the "prospects" a merry run around. Roessing with his blushing cheeks of red was also at hand to push the ball through the hoop. Robin and Ott, "incorporated", were very much alive to the goings on of the evening. Rutkowski, sometimes pronounced, "Rutkowski", did some fancy tunes on the highly polished floor of the gym.

This fellow Miran is a very clever man on the floor, he seems to be every place at the same time.

Juniors or Seniors?

Sophomores take to your heels; to win the school basketball title you must first remove the Freshman from your path and then it will be the Juniors or Seniors.

These unknown quantities such as the Frosh may come through with a real surprise. They might steal that nice new red color which the Sophs have just acquired.

Nothing Happened

The question of football has been placed on the shelf among our souvenirs for another year. Except

Matmen to Get New Instructor

The wrestling team will probably be calling for candidates before another week rolls by for it is nearly time for the opening of their season. The matmen will probably hold their practice with the boxing team since Coach Smith of last season has left school. This year's instructor in the gentle art of back snapping and bone crushing has not yet been selected.

for a rather mild outburst nothing in the way of placing a team in the field resulted.

The F.P.E.'s

The Five Protects students believe that a very good swimming pool is being wasted at Underwriters' Laboratories. Why not shift the scene of training from Bartlett gym to 207 E. Ohio St.?

If you like things where endurance is required, why not try to run a three or four mile distance at about 6 minutes to the mile. Our cross country runners can do it—nearly.

Pep and Pepper

Soon we will have a pep meeting in which "Jawn" J. Schommer will attempt to inveigle the boys into traveling over to 35th and Giles to see our basketeers take the enemy scalp, Nuff said.

A. H. J.

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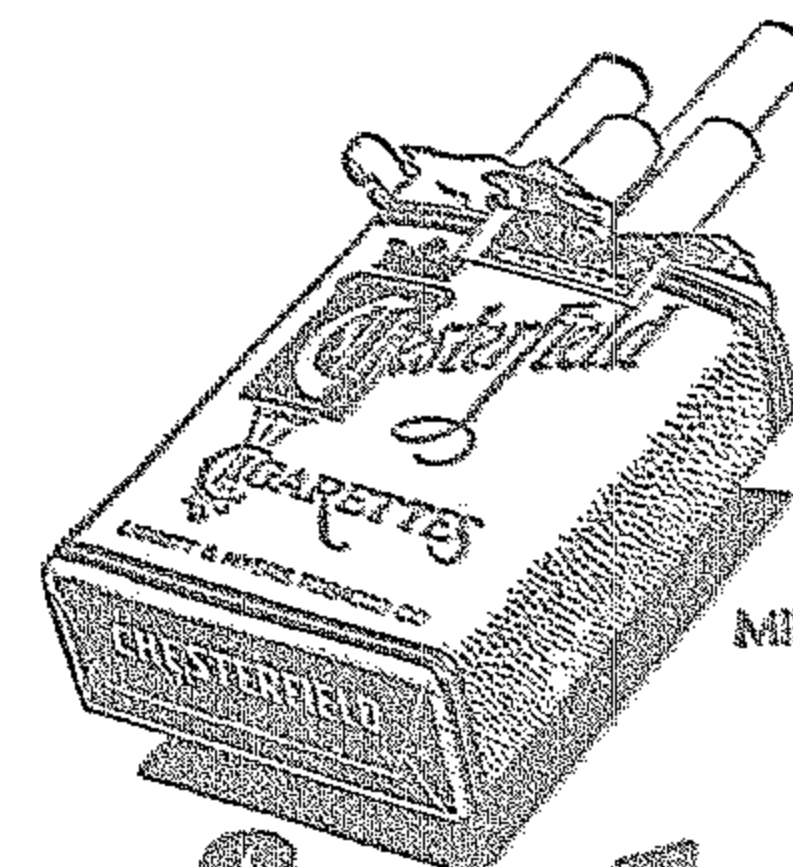


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