

Tuesday, November 4, 1930

Vol. VI. No. 7

Armour Institute of Technology, Chicago, Illinois

SOCIAL CHAIRMAN ASKS FOR AID ON SENIOR INFORMAL

Money Must Be Collected Before Definite Plans Are Made

CLASS FUNDS ARE LOW

The Armour Tech News has received a statement from W. C. Schirmer, social chairman of the senior class, which explains the delay in the making of plans for the Senior Informal. The statement follows:

"Class loyalty and support will determine whether there will be a senior class dance this year. Because of the financial situation of money received from the selling of Chapter were also visitors. bids.

"Thus, it will be necessary for the social committee to collect all the money necessary to give the dance before making any reservations or engaging an orchestra. In other words, before the dance can be definitely decided upon, the necessary amount of money must be on hand.

willing to pay for the bids to the Armour Student Branch of the dance, without first being informed Western Society of Engineers to be as to the place where it will be held held November 5th at the Sigma and the orchestra which will be en- Kappa Delta house. The affair gaged? This is the question that promises to be the best ever given confronts the social committee. The by the W. S. E. The officers have answer to it depends upon the been working very hard to get up amount of loyalty and spirit which a program which is sure to please prove to the class that a dance can | there. be put on which will be a success both socially and financially.

the school authorities."

Former Comptroller Visitor at Institute

Mr. F. U. Smith, former comptroller of the Institute, visited the Faculty Club Wednesday afternoon, meeting old friends.

Mr. Smith was the first comptroller and business manager of Armour Mission and Institute. He came to Armour in 1902 and retired in 1920.

He left his home in Milwaukee to

Professor Amsbary Addresses Teachers bridge hands.

Professor Amsbary presented a series of five lectures last week to Chief Engineer's Auto the members of the Teachers' Institute of Schulkill County, Pottsville, Penna. His audiences averaged twelve hundred persons.

Two of his subjects were, "John Brown's Body," based on the famous narrative poem by Stephan Benet, and "Literature As an Inspiration and Power."

Doctor G. L. Scherger Speaker at Dinner

Doctor George L. Scherger was the Steuben Club last Wednesday evening, October 29.

The dinner was given to celebrate | Mr. Allen. the founding of a new American Legion Post. This foundation, it was said, shows the advance the Amercommander of the legion was present in addition to other notables.

Three Honorary Fraternities Pledge Twenty-one Seniors and Juniors

NEW MEMBERS ARE WELCOMED AT SMOKERS

Three honoraries have announced the pledging of a total of twentyone men during the past week.

Tau Beta Pi, honorary engineering fraternity has selected the following men from the student body for its pledges:

D. M. Fetterman, E. E. '31.

K. E. W. Hellsen, C. E. '31.

F. M. James, F. P. E. '31.

A. J. Lenke, F. P. E. '31. P. E. Seidelmann, F. P. E. '31.

F. F. Strassenburg, M. E. '31.

R. H. Stevenson, M. E. '31.

J. C. Cavanagh, Ch. E. '32.

C. J. Robin, C. E. '32.

S. M. Lind, Ch. E. '32.

the class, the school authorities are with their pledge pins. Professors fraternity pledged the following support, we will go far in making unwilling to guarantee the expenses Grafton and Heald. Alumni from of a class dance. This necessitates the Armour Chapter, Illinois Beta, financing the entire dance with the and two men from the Purdue

W.S.E. Smoker To Be Tomorrow

Plans have been going forward "Will the members of the class be for the smoker to be given by the the school possesses. The committee | everybody. Several members of the believes, and is willing to try and faculty have also promised to be

This smoker is for the primary purpose of getting acquainted with "If the class is willing to give other members of the department. them the support needed, they will For this reason, sophomore and give their utmost efforts to the freshman students are urged to promotion of a successful dance. come. It is not necessary to be a This is perhaps the first time that member of the branch. Tickets can such a situation has arisen, and it be purchased from all of the no doubt will be an interesting officers and some of the members. problem, both to the students and The cost is nominal, being 25 cents apiece.

Campus Club's Drive Nets 32 New Members

Thirty-two members is the result of the membership drive recently put on by the Campus Club. The. club roster is still, however, open for new members.

Art Viel and George Moore, almost permanent Campus Club fixtures, are the champions of chess. Art recently donated an Atwater visit in Chicago for about a month. Kent radio for club use.

Some of the Junior Chemicals have become absent-minded. They throw their sandwiches on the table and take a bite out of their

Stolen and Returned

John Allen, Armour's chief engineer, had his Studebaker coupe stolen on Saturday, October 8th. The police department recovered the automobile on October 25th, two and a half weeks after it was stolen, and returned it to Mr. Allen. He was fortunate in getting the car back in better shape than when it was stolen. In addition to this, the insurance company offered guest speaker at a dinner given by to pay for a thorough overhauling of the machine. The net result of this mishap was very profitable to

Phi Lambda Upsilon will hold a ican Legion is making. The national smoker in its rooms tomorrow night at 8:00 P. M. A number of alumni are expected to be present.

Thursday, October 30, Chi Epsilon, honorary civil engineering fraternity, held a pledging smoker at the Phi Pi Phi house. Card playing and refreshments furnished the entertainment. The welcoming speech

to the pledges was given by Eldon A. Johnson, president of the Armour Chapter.

The men pledged are: C. H. Miller, '31.

R. E. Meagher, '32.

M. J. Morgan, '31. F. E. Rutkowski, '31.

A. B. Auerbach, '31.

ical Engineering Society, held a

Harold H. Fox, '31. Andrew S. Hartanov, '31.

Mitchell, J. Lamka, '31. Fred T. Munch, '31.

Newton C. Cannon, '32. Harold R. Davis, '32.

Professors Gedhardt, Roesch, Libby, Peebles, and Huntley were present at the smoker. In addition to the five faculty members present there were several alumni member: of the fraternity present.

TWO ELECTRICALS GIVE SPEECHES AT A. I. E. E. MEETING

Two student talks were given at the regular A. I. E. meeting held port. yesterday at 10:30 in D-Mission.

The first talk was given by T. S. Tryzna on "Prospecting by Electrical Methods." In this he exbe detected in the earth's crust by electrical devices. The various methods or circuits are all in the experi- by the junior class." mental stage, however, should they become perfected to a great extent, mining would be simplified.

The second talk was given by R. G. Kellner on "The Electrolysis Problem as dealt with by the Illinois Bell Telephone Company." Last summer Kellner was with the I. B. T. and did some work on this interesting subject.

When the electrical cables are placed in the earth and left there for a considerable time, it is found, when they are again unearthed, that they are corroded. Electrolytic action is responsible for this and Kellner gave a number of ways in which the Telephone Company is combatting the corrosive forces. Bonding, covering the cable with a special preparation, using a double New Eligibility Rule trolley system, and employing a negative return booster system are some of the methods.

Before the talks were given a short business meeting was held. Members were urged to pay their last Friday in Science Hall at 2:00 dues and it was announced that o'clock. The first order of business some enginneer of note would speak at the next meeting to be held on Monday, November 17.

CALENDAR

Tuesday, Nev. 4th First call for varsity basketball candidates.

Wednesday, Nov. 5th 8:00 P. M.—W. S. E. Smoker at the S. K. D. House. 8:00 P. M.—Phi Lambda Upsilon Smoker.

Friday, Nov. 7th W. S. E. Meeting.

Saturday, Nov. 8th Chicago—Purdue Game. A. I. T. Ushers.

Social Program Listed by Casey

The following is a statement received by the Armour Tech News from James J. Casey, social chairman of the junior class.

"The junior year for any class is more nearly a social year than is any other of the four which constitute its life. This statement is supported by the fact that the junfor class sponsors two dances during the year while the other classes give only one each. The social committee realizes this and fully inclass of '32 shall live up to the appear in complete form below. standard set by those of previous classes.

port that the officers have received classes is much higher than those a lump sum. smoker at the Sigma Kappa Delta from the members in the past. With of the lower. The difference of this our biggest social year.

"The committee in charge of the arrangements promises the class Make Appearance Soon that the dances this year will not be extravagant in nature. The best possible entertainment will be provided but expenses will not be allowed to exceed the financial resources of the class.

socially successful dance without eral interesting and instructive the unpleasant aftermath of debt articles both of a technical and will receive a greater welcome from the class than will an over-expensive dance that will be followed by the feature student presentation. financial distress.

are the informal in January and esting places he has visited in his per cent. the formal during Junior Week. The travels through Europe, and the dances will be given according to Deans. Penn and Palmer, describe the principle set forth above, and on this platform the social chair-ing student should be. The prize per cent. man appeals to the class for its sup- paper of last year's Freshman

"The close cooperation of the pears in this issue. school officers and the class was very plained that the presence of iron, taken by the office in this matter. distributed two weeks from toindustrial, and precious metals may The obvious difficulties arising from morrow. such an affair were of such a nature as to prevent its consideration

Frosh Class Selects a Social Committee

L. A. Callen, elected social chairman of the freshman class, has selected the men who are to assist him in arranging for freshman social functions.

The following comprise the com-

T. J. Milan.

L. Lynch. B. Peterson.

With R. Cheatham, freshman president, as ex-officio member.

Adopted by Honor "A"

Ten men were present at a meet ing of the Honor "A" Society held was the passage of a new rule restricting membership in Honor "A" to Juniors and Seniors only. Bids will be given to fifteen men in the very near future. At the present time the Honor "A" Society boasts a membership of fourteen men.

Dean Palmer Attends Personnel Conference

Dean Palmer attended a meeting on student guidance and personnel held at Northwestern University on October 24 and 25. Representatives pany.

AVERAGES TO JUNE COMPILED BY DEANS' OFFICE FOR CLASSES, FRATERNITIES AND INDIVIDUALS

Tau Beta Pi Regains Lead Among Honoraries; Pi Tau Sigma Second

CHEMICALS LEAD DEPARTMENTS

Scholastic statistics covering the Freshmen is due to the new system year (1929-1930), have been com- ago. tends that the junior year of the piled by the office of the Deans and

Armour Engineer Will

The "Armour Engineer" will make its initial appearance of the 85.64 per cent. The averages of current school year on Wednesday, November 19.

According to A. J. Lenke, the "The committee believes that a editor, this issue will include sevnon-technical nature. C. Link's article on the Power Industry is Dr. Scherger presents a very de-"The dances given by the class lightful discussion of some interjust what the aims of an engineer-Chemical Essay contest also ap-

The "Engineer," cover and conapparent in the recent discussions tents, maintains that high standof a possible Junior-Senior dance. ard that has won for itself prizes

General Foreman to Address Assembly M

Major General M. J. Foreman Ci will speak at a general assembly A to be held on Tuesday, November 11, at 10:30. General Foreman is a ra past national commander of the of their establishment at the American Legion, and at the present time is connected with the firm of Foreman, Bluford, Krinsley, and Schultz.

Aeronautics Topic at Next W. S. E. Meeting

Friday, Nov. 7, Mr. K. A. Kennedy of the Boeing School of Aeronautics will address the Armour Branch of the W. S. E. Mr. Ken- | c nedy is making a tour of all the American colleges, discussing the life and training of a pilot. He will accompany his talk with moving pictures. His discussion will be of great interest to civil engineering students, especially those who wish to make aeronautics their life work.

Mr. Kennedy is a high authority | Sigma Alpha Mu............. 86.3 in the field of aviation and it was only through the quick action of the W. S. E. officers that Mr. Kennedy was able to be secured, as his time is limited. No hour has been set for the meeting, but notice of the time and place will be put up on the bulletin board.

Junior Chemicals Ask for Basketball Games

The Junior Chemicals have is 85.47 per cent. formed a basketball team and wish from high schools and colleges in to play with any similar group, merical values were given to the this section attended the confer- club, or what have you. They have letter grades: ence. A paper was presented by already defeated a team composed | A equals 97.5 per cent; B equals Col. Rees, vice-president and direc- of Sophomores in the chemical de- 90.0 per cent: C equals 80.0 per tor of personnel of the American partment. Any team desiring games cent; D equals 67.5 per cent; E Telephone and Telegraph Com- may obtain further information equals 50.0 per cent; Cr. equals 80.0 from E. Field, R. Blom, or S. Lind. per cent.

second semester of the last college of averaging introduced two years

Grades, in the new system, are averaged according to the number A glance at the averages of the of credit hours listed in the catafour classes (Freshman, Sopho-log. In former practice, no distinc-"Financially, the class is in a more, Junior and Senior) shows tion was made between classes; all Pi Tau Sigma, honorary Mechan- healthy condition due to the sup- that the averages of the upper grades were averaged together in

Physical training grades are not Dean Penn presented the men house last Thursday evening. The the same spirit of cooperation and five per cent between Seniors and included in the averages, a credit (Cr) being given instead for satisfactory work completed. Those coming from other schools are given a credit (Cr) of "C" for their

The average of the entire school body, a total of 790 students, is the various organizations are as follows:

				rer c	<i>j</i> ent
The	Senior	Class			0.88
The	Junior	Class	<i></i>		87.1
The	Sophon	iore Cla	ss		84.4
The	Freshm	an Clas	s		83.7
Tl	ne stude	nt with	the hi	ghest	av-

erage in the Senior Class is Marvin A. Tennyson. His average is 94.9 The student with the highest average in the Junior Class is Alvin

B. Auerbach. His average is 97.5 The student with the highest average in the Sophomore Class is Max J. Schinke. His average is 96.4

The student with the highest average in the Freshman Class is The class is grateful for the attitude and praise in the past. It will be James W. Juvinall. His average is 97.0 per cent.

per cent.

Departments

			Per (Cent
hemic	al Enginee	ring		87.1
ire Pr	otection En	igineerir	ıg	86.7
/lechan	ical Engin	eering .		86.1
llectric	al Enginee	ring	<i>.</i>	85.6
ivil E	ngineering			85.1
richite	ectural			84.0
The	following	groups	are	ar-
anged	according	to the	senic	rity

Armour Institute of Technology. The Honorary Fraternities (Scholastic)

(
	F	Э	r (Cent
au Beta Pi				93.2
i Tau Sigma				
alamander				
hi Epsilon				
hi Lambda Upsilon				
Eta Kappa Nu				
i Nu Epsilon				
Honor Society				
Sphinx	٠.			89.8

Flask and Beaker..... 89.0 Scarab 88.8 Social Fraternities

Professional Fraternities

Sigma Kappa Delta..... 87.8 Beta Psi 87.7 Triangle 87.5 Kappa Delta Tau..... 86.3 Phi Kappa Sigma..... 85.9 Rho Delta Rho..... 85.7

Theta Xi 85.6

Phi Pi Phi...... 85.0 Delta Tau Delta..... 83.5 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 86.05 per cent. The average of all other students

In the above the following nu-

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NOVEMBER 4, 1930

P. Kesselring, '31

H. Pilgrim, '31

THE ENGINEERING WORLD

It is a most curious thing to realize that the engineers of the country might be said to live in their own world, set apart from that of the ordinary folk. Yet it can be proven easily; take any of the great engineering features, and then try to name the engineer whose work it is.

The people of today seem to take the work of the engineer as something more or less matter of fact. If the work is sufficiently large enough in size, it may draw a comment from them, but otherwise they are merely content to reap the benefits without ever thinking of what lies behind it. The engineer is truly a hidden feature; he does his work, silently and efficiently, and then slinks off to the next project without the public's even knowing of him.

However, in his own little world, all is different. Warm relationships exist between the men of the profession, and one merely has to attend a technical gathering to note the enthusiasm with which they greet one another, and the interest that they have in the work of one another. Men become personages, not names, and the projects merely serve as examples of some man's ability and ingenuity.

Because of this attitude of the public toward the engineer, we feel that the various organizations which tend to bind them together serve a purpose that no one should miss. They furnish that intangible feeling of interest without which all the work seems a drudge, and with it all work becomes a satisfying fight against obstacles.

We humans are all susceptible to praise, and there are few men who do not enjoy seeing their name in the "News," no matter how trivial the deed. After graduation, there will be no "News" to hold up your accomplishments for others to see; and unless we belong to some group of engineers, work will seem merely a sordid money grubbing affair.

We urge every man to become interested in his departmental organization now, for the habits formed there will prove of advantage if one later joins the parent organization; the experience, useful; and the A. B. A. affiliation, enjoyable.

Without your knowledge, the eyes and ears of many will see and watch you, as they have done already.

Cicero-

"The Slipstick"

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

THE SALT IN THE SHAKER

Pleasing my palate with simple delight, So crystalline, gentle, and spotless white. If only you'd pour, you'd be all right, But stubbornly you mock my greatest might.

(Sign) "No smoking in this submarine for divers reasons."

Believe It or Not

They were in the faculty club swapping 'em: Says One: "When I was camping in the north woods I saw a mountain lion come right up to the tent. It was a ferocious beast, but I, with great presence of mind, threw a bucket of water in its face and it slunk away."

Prof. (sitting in corner): "Boys, I can vouch for that story. Why just a few minutes after that happened I was coming down the side of the hill and met this lion. My habit of stopping to pet his whiskers prompted me to do the same and—Boy!—were those -Sliv. whiskers wet."

The fact that PV equals RT is explained by one of F. A. Ustryski, '32 our chemistry professors. His explanation is that the Pressure on the Vest is equal to the Rotundity of the -Little Rennie's Notebook. Tummy.

House of Correction

"What dey do to dat Jones boy fo' sellin' dat booze, Aunt Liza?"

"What dey do? Lawd, chile, dey done gib him two years on hard labor in de house of representatives."

How to live to be a 100 years old:

Don't ride in an auto. Don't eat candy.

Don't smoke.

Don't go out with the opposite sex. Gargle when you hear someone cough.

Don't drink.

Don't indulge in any form of entertainment. P. S.—If you don't live to be a 100 years old, it'll seem that long.

It must make a policeman terribly mad to wear a bullet-proof vest and then get hit somewhere else.

Bridge Engineer's Office

"What keeps the moon from falling?" -Sliv. "It must be the beams."

Landlady: "Why have you put your tea on a chair?" Boarder: "It was so weak that I thought it had -Sliv. No. 7 better sit down."

New Popular Song

Voice Over Phone: "How much is coal now?" Dealer: "Eighteen-ninety a ton."

V. O. P.: "Ha-ha! I gotta oil burner."

Customer—"That chicken I bought yesterday had no wishbone."

Clerk—"He was a very happy and contented bird and had nothing to wish for."

No Trespassers Allowed

One of the wings of the plane had broken and its pilot, after crashing through a mass of planking and plaster, found himself resting on a concrete surface in utter darkness.

"Where am I?" he asked feebly.

"You're in my cellar," came an ominous voice out of the blackness, "but I'm watching you."

Gladys (to fat boy friend): "Pardon me, Tiny, but as you grow old will you fade like a flower or bust like a balloon?"

Stout Theatrical Person (engaging room): "Window's a bit small. Wouldn't do much good in case of an emergency."

Landlady: "There ain't a goin' to be any sich emergencies. My terms is weekly in advance fer actors."

"I'm certainly put out about this," warned the stude as the prof deposited him outside the classroom.

A-"Playing golf every day keeps me fit." B-"Fit for what?" C-"Fit to play more golf."

"Calculus," says Little Rennie's Notebook, "is the science of the ghosts of departed quantities."

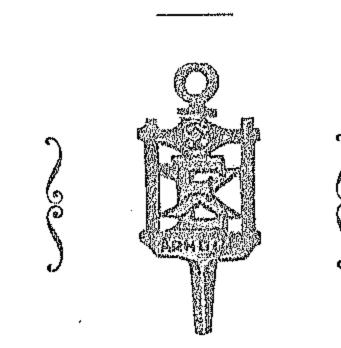
THE RADIO BUG

"Do you carry B-eliminators?" "No, sir, but we have roach powder and fly swatters."

Cheer up, gang, only one minute and 1,785,540 seconds of school left this semester. -Phil J.

CHI EPSILON

Honorary Civil Engineering Fraternity



Chi Epsilon, national honorary Civil Engineering fraternity, was founded at the University of Illinois on May 20, 1922. About the same time, the Junior and Senior Civils at Armour decided that they should in the civil engineering department. have an honorary fraternity whose Scholarship is merely one of the membership was open only to students in the civil engineering department. The reason for this was quirements in the election of memtwofold: first, because of the lim- bers. ited scope of the national honorary engineering fraternity, only the accomplishments of a few could be recognized; secondly, the electricals had their Eta Kappa Nu and the mechanicals their Pi Tau Sigma, but when the Civils had reached their the World," and "The Design of Junior or Senior year there was Welded Connections." It also conno fraternity to recognize their tains news of the various chapters. achievements as student engineers. A conclave is held every two years book; Dean M. S. Ketchum of the To remedy this situation they set at which time the officers of the University of Illinois, who is author about to find out if any honorary Supreme Council are elected, and of the "Structural Engineers' Hand-Civil Engineering fraternity had the future policies of the fraternity book" and "Steel Mill Buildings;" been established at any other determined. school. It was then discovered that Chi Epsilon had been founded and a petition for the establishment of members other than those at Ar-neer of the City of Chicago. a chapter at Armour was sent to mour are: Professor C. B. Reed, the Illinois chapter. The petition whose name is synonomous with the mour Chapter are: Professor A. E. was granted and the Armour chap- surveying courses at Armour as he Phillips, J. C. Penn, M. B. Wells, R. ter was installed March 9, 1923. is co-author with G. L. Hosmer of L. Stevens, P. C. Huntly, and H. T. Professor Phillips, head of the Civil | the text-book "The Principles and | Heald. The active members are L. Engineering department, was an Practice of Surveying," and an asso- H. Dicke, K. E. W. Hellsen, E. A. honorary charter member, and it ciate editor of both the American Johnson, B. S. Lindquist, G. G. Mcwas largely through his efforts that |Civil Engineers' Handbook and the Laughlin, and C. J. Robin.

the Armour chapter was established. Electric Train Run The fraternity has a membership of about one thousand, including honorary members.

Aims of Fraternity

to place a mark of distinction on the undergraduate who has upheld the honor of the department of Civil Engineering by high scholastic Civil Engineering profession. Elecfour requirements of a successful the train stops. engineer; scholarship, character, practicality and sociability. The candidate for membership must have maintained an average grade in scholarship in the upper onethird of his class, and must be a junior or senior in regular standing requisites for membership and more emphasis is placed on the other re-

The "Transit," the official publication of the fraternity, is published twice annually. It contains articles on such widely varying subjects as "Notes on a Trip Around

Membership

Without Aid of Crew

Electric trains without crews-in The purpose of the fraternity is fact, with no human being aboard —will soon haul rock for cement making from quarry to crusher at a Dallas, Texas, plant. When the cars have been loaded, they will ability, and to provide an incentive appear to start of their own accord for greater achievements in the for the crusher. At their destination the motors cease humming, tion to membership is based on the brakes go on automatically, and

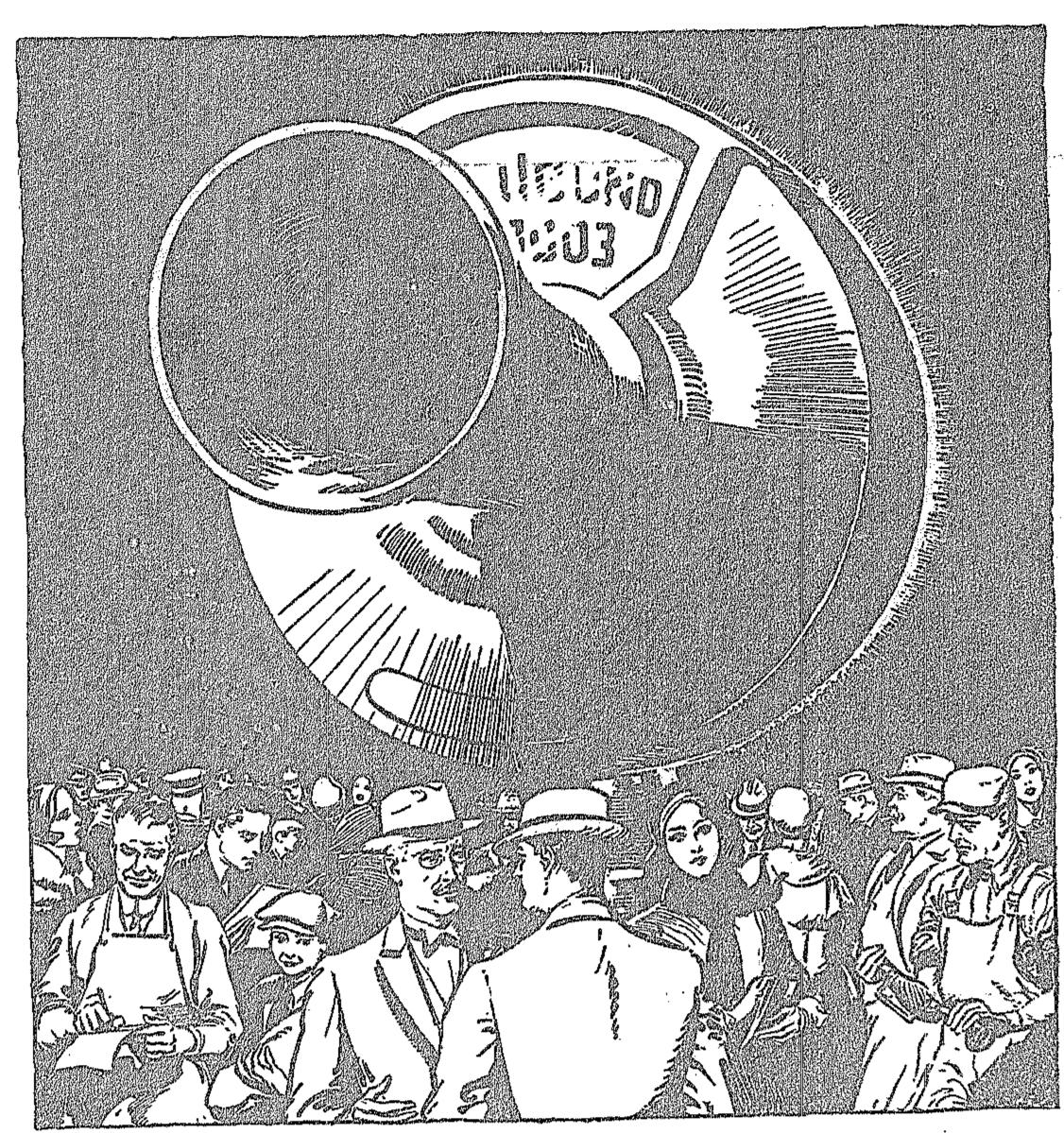
> Just like toy-electric trains, these industrial strings of cars are controlled from a distance. Two operators, one of them placed where he can see the loading of the cars and another at the receiving end, control their movement by electric switches. General Electric Company engincers worked out a "remote control" system in which any section of track may be electrified; by turning the current into all of them the train is made to run from one end to the other.

Running downhill, the driveless train does not speed up. The motors of the cars automatically turn into generators and feed electric current back into the third rail, helping to drive the other cars.

American Mining Engineers' Hand-Ralph Modjeski, one of the foremost bridge builders in the world; and A few of the well known honorary M. B. Reynolds, assistant city engi-

The honorary members of the Ar-

MODERN STEPPING



It looms up large in their lives

The telephone has a big place in the daily lives of most people today, but its place will be even bigger tomorrow.

Its importance has been fostered by the work of men in all phases of the telephone business and no little part has been taken by those engaged in selling. They have helped to effect an increase of more than three and a half million Bell telephones in the last five years. In the same period they have been instrumental in making the public realize more completely the telephone's usefulness. Result: an increase from 49,000,000 calls per day to 65,000,000.

For men with a leaning toward sales promotion, the opportunity is there!

BELL SYSTEM



INTER-CONNECTING TELEPHONES NATION-WIDE SYSTEM OF

List Statistics on Registration

This semester, that is the semester that began in September, 1930, a total of 257 men were admitted to the Institute as Freshmen. These men came from ten different states and two different countries. The men and the localities from which they come are listed below:

Chicago190 Illinois Wisconsin Indiana Montana Idaho Nebraska Florida North Carolina New Jersey

Total257 Of the 190 freshmen that came from the city of Chicago, 180 attended high schools in this city and ten did not. A list of those who attended high school in Chicago is given below:

Canada

Argentina

Bowen Calumet Fenger 2 Harrison 5 | 5 Hyde Park 3 Lake View 6 Lindblom12 Marshall 2 Morgan Park..... 2 Parker 5 Roosevelt Schurz 6

Radio Device Checks Upon Station Waves

Tuley 1,

Waller 1

A new "radio yardstick" installed at the United States Bureau of Standards, at Washington, D. C., keeps tabs on the 600 broadcasting stations and thousands of other transmitting stations in the United States. It makes sure that each is broadcasting on the special wave length that has been officially assigned to it. It has an accuracy of one part in a million.

under glass covers, are miniature broadcasting stations that emit waves of exceedingly exact frequency. These waves are taken as standard and compared electrically presence of the hairy growth on with those of commercial broad- his countenance to the kind-heart- guns, instead of being poisoned by casting stations. Any discrepancy edness of "Jawn" Schommer. A antiseptics as at present. In a between the two produces a whistle, group of Chemicals and Fire Pro-study made at the University of and the musical pitch of the whis- tects waylaid said Mr. Viel and Cincinnati, Dr. D. A. Wells was able tle is an exact measure of the proceeded to stretch him out deamount by which the station is off spite his vigorous physical protestaits proper wave length. In order tions. The razor was just about to to keep the quartz crystals at a be applied to the treasured posconstant temperature, ensuring session when John Schommer entheir accuracy, they are housed in tered the picture. Visions of E's ling an ice box.

First Floating Power Ship in New England

Soon New England is to have the Viel. first regular floating power station. The New England Public Service Company has just purchased the obsolete cargo ship Jacona from the United States Shipping Board. Modern steam turbines and generators are to be installed so the ship can generate electric power for cities situated on the coasts of Maine and New Hampshire.

Not long ago the plan of supplying power from a ship was shown to be practical. When shortage of water for hydroelectric power threatened to shut down factories in Tacoma, Wash., the United States Navy's airplane carrier Lexington went to the rescue. Electric cables were laid from the ship to the shore, and for thirty days the Lexington's 180,000 - horsepower generators fed power into the city wires.

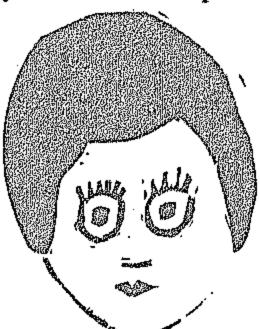
Two Texans are holding a rather novel race to New York; one is riding a large black bull, and the other is driving a goat and a jackass. The bull is favored.

e coming:

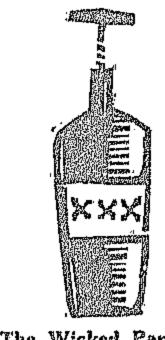
COMING:

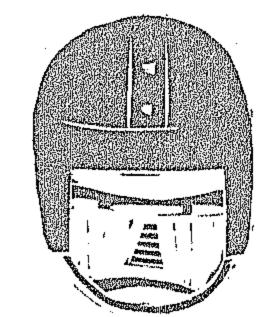
COMING.

"LOVE CONQUERS ALL" or "THE PI DELT'S REVENGE." A State dashing, daring, stupendous revelation of college life! SEE! HEAR! Watch this gripping drama unfold before your very seyes the evils and pitfalls of the modern college.



The Coeds!



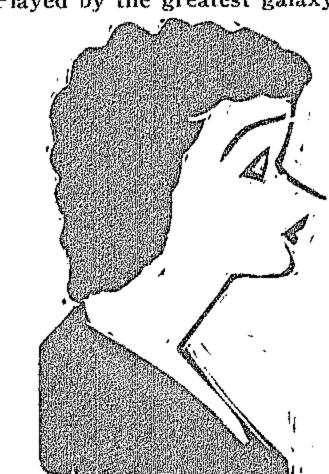


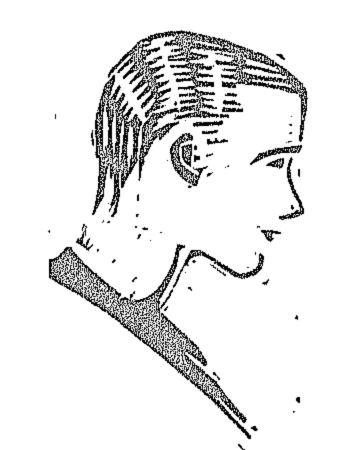
The Wicked Parties.

The Campus Heroes.

lb week thereafter! Played by the greatest galaxy of stars ever assembled under one roof!

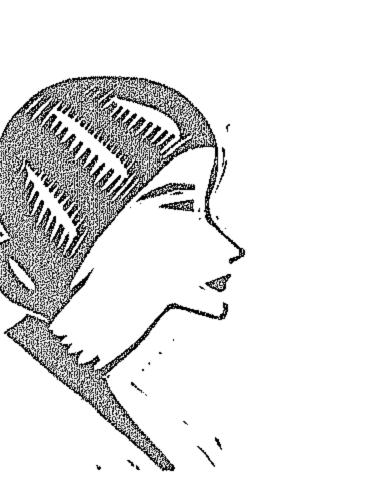
ALL at NO EXTRA COST! In this paper, next week, and every

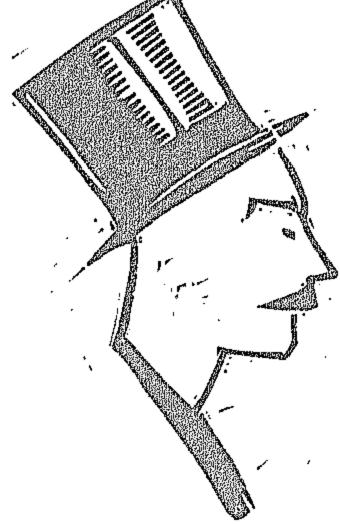




Susan Sweet, darling of the R. O. T. C., played by Miss Floric Waldorf.

Danny Dare, here of the campus, played





Sonia O'Toole, cold, heartless vampire, despair of the Deans and Freshmen, played by Dolores Ala Newburg.

Gordon Throckmorton-Sneed, rich wastrel, playboy and trifler, played by John

Scenario and Direction by Dave Chapman Continuity and Casting by Dave Chapman The management earnestly requests ladies to remove their hats Look around you for the nearest exit. In case of emergency, run, don't walk, t that door.

Next Week!

Reserve your copy now so as to not have to rely on the "Keep the City Clean" boxes!

Act I

"Love Conquers All"

Vibrating quartz crystals, housed J. Schommer Rescues Struggling Chemical

Arthur Viel, Ch.E. '32, owes the to scatter and allow the offended Junior to continue his marches around the Bacteriology Lab. Rumor hath it that said Mr. Viel will either remove offending disguise or become the object of much concern for a while. Blessed be John, says

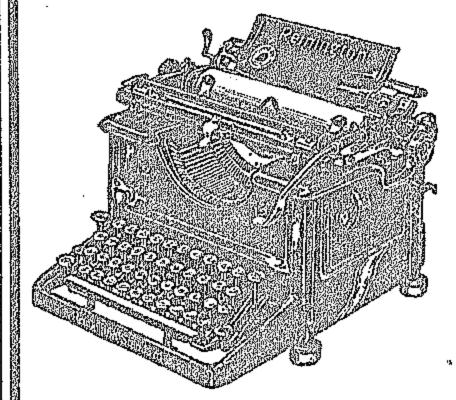
Disease Germs Killed By Electric Bullets

Scene I

Disease germs may be killed in the future by tiny bullets from electric to destroy numbers of the germ Staphylococcus albus, one of the most virulent germs known and the usual cause of boils, by bombarding them with electronic bullets in a a heat-insulated chamber resemb- next February caused the students vacuum tube. An electric pressure of only thirty volts was needed to produce the effect. A battery of twenty dry cells could give this current. When the electric voltage was raised, the additional energy substantially increased the slaughter of the germs.

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Anx News

We were sorry to learn of the recent illness of Mrs. Sanders of the Burnham Library, of the Art Institute, and wish to assure her that she was missed very much. We are hoping for a very early return.

It is expected that the Paris Prize drawings of 1930 will be on exhibition at the Burnham Library this week or soon thereafter.

B. D. Anderson, or more informally, "Andy", treated a small group Professor Hammett, Mr. and Mrs. Dutt, Edward Prevar, '32 and Earl Kubicek, '32, to a movie travelogue of his own at his home on Tuesday evening, October 28th. It consisted of his travels in Europe and views taken on a trip through Yellowstone National Park.

One of the suggested projects at the World's Fair of 1933 is a restaurant in the air or rather three restaurants in the air, each one to be built above the other on a common stem. Each is to be a half circle in shape and they are to revolve. The time for each revolution is to be one hour. Service to the restaurants is to be through the stem. The exclusiveness of the dining palaces will be graduated according to their heights. The highest will be the most expensive. The idea of the revolving is that the diner may, at the beginning of his meal be facing the city and watch the lake while he is drinking his coffee.

The forty-third American Exhibition of art work is now open in the galleries of the Art Institute. Among all the work on display there is not one cubist picture. E.C.K.

VERSE OR WORSE

F. F. Strassenburg

The Frame of Chance He had a little picture frame Upon his dresser top. Each time I'd come another dame Would occupy the spot.

The frame was pretty, eight by ten I believe that was the size, Yet I would like to know the time I'd see the same face twice.

The thing just seemed to symbolize His very frame of mind: A passing fancy that he prized Each new flame he did find.

But mark my word, I'll make a bet That on some future day I'll see the one girl in there yet That he'll put there to stay.

A teacher once gave as an exam question "Give for any year the number of bales of cotton exported from the United States." A bright answer from a bright (or near bright) boy was "1491-None."

> Ralphs Barber Shop 117 E. 35th Street Prompt, Courteous Service NO WAITING

A New High Voltage Control Is Invented

A new type of switch for controlling currents up to 600,000 volts, invented in Germany, is said to prevent dangerous sparks when the switch cuts off the current. Switches now in use for high voltages are cumbersome giants immersed in a tank of insulating oil to prevent the flashes. The charred oil must be changed often. The new switch, produced by the German electrical works of Siemens-Schukert, is bathed in a liquid the formula of which is still a secret, but which is understood to be far superior to oil as an insulator.

This particular switch was developed by Dr. R. A. Millikan and Professor R. W. Sorenson of the California Institute of Technology. located at Pasadena, to control the millions of volts that are used there in electrical tests. A vacuum so nearly perfect that it contains less than 1/760,000 as much air as an equal space of the outside atmosphere minimizes the flash of the arc when the switch breaks the electrical circuit.

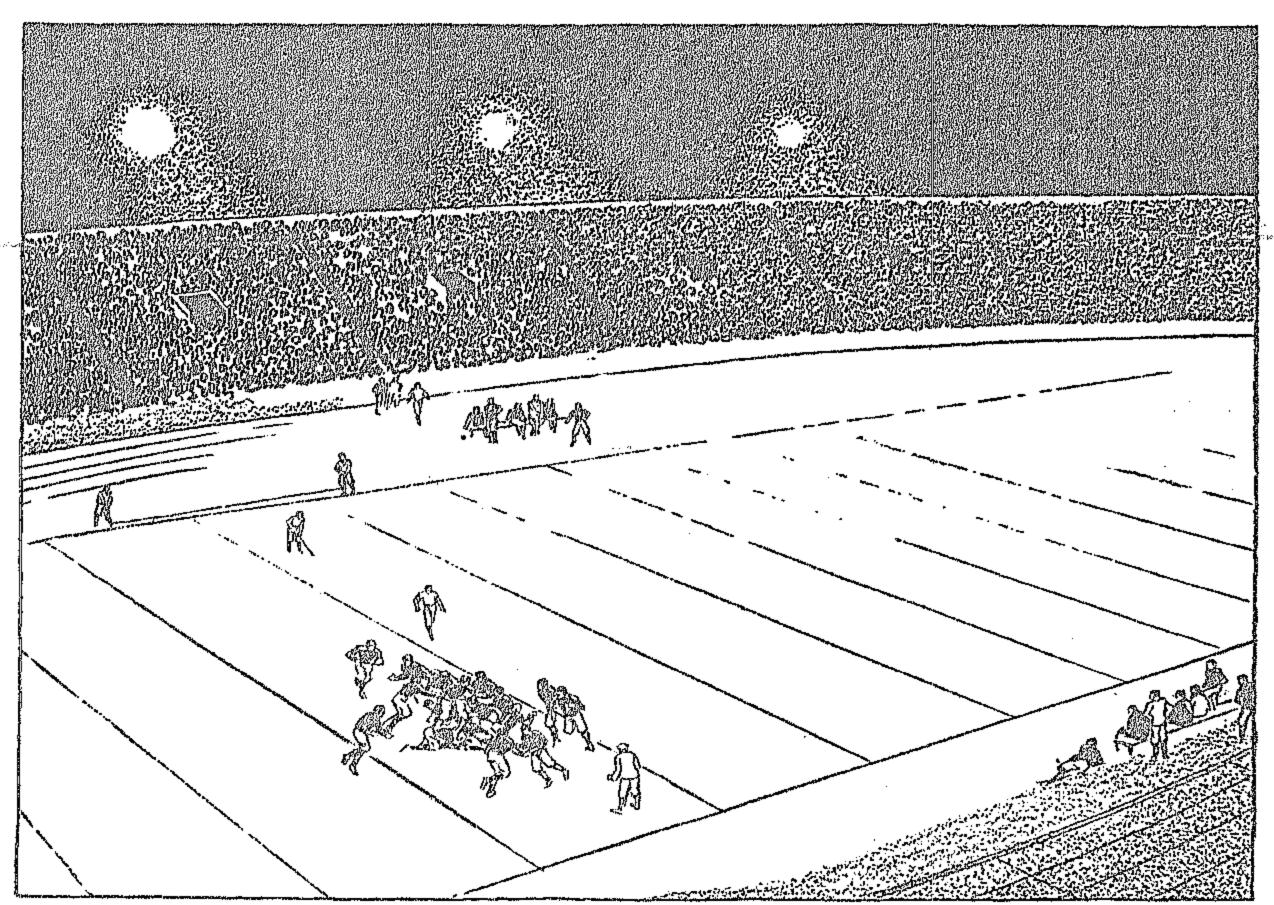
SALESMAN WANTED

Christmas Box Assortments Mighest Grade Christmas Cards Five Different Boxes of Genuine Etchings and Stationery—No Other Line Like Ours. Sells at Sight. Make 40

"GEN ETCH" GREETING CARD COMPANY Nineteen South Wells Street, Chicago

BOULEVARD CAFEREA 31st Street and Mich. Ave. Dining and Dancing from 3 P. M. to Midnight

No Cover Charge



The banks of G-E floodlights at Georgia Tech's Grant Field can be adjusted to illuminate track meets as well as football games.

G-E Floodlighting Wins Favor for Football - Hockey - Track - Baseball - Tennis

G-E floodlighting equipment has a winning record. Its victories are counted in terms of pleased spectators, increased attendance, satisfied coaches and players.

The development of G-E athletic-field floodlighting equipment was planned with every consideration for the fundamental and special playing conditions it must meet. That is why the big Novalux projectors give ample and evenly diffused light over the entire playing area.

The development of General Electric floodlighting equipment has largely been the work of college-trained men in the G-E organization — other college-trained men are largely responsible for the continuing leadership of General Electric in furnishing the many other products which bear the G-E monogram.

JOIN US IN THE GENERAL ELECTRIC PROGRAM, BROADCAST EVERY SATURDAY EVENING ON A NATION-WIDE N.B.C. NETWORK



FRESHMEN SWAMP in title JUNIORS BASKET BALL TILT

Losers Held Powerless By Strong First Year Squad

FINAL COUNT 23-10

The class of '34 for the second time in the present school year is heralded as champion of an interclass tournament. Their latest title was attained by virtue of a 23-10 victory over the juniors in the final of the team's possibilities, a buildinter class basketball game, staged last Tuesday in the school gymnasium.

The freshmen victory was an impressive one. They held the juniors completely powerless for the first three quarters, scoring 19 points against five by the juniors. Up until the middle of the third period, the juniors were credited with a solitary point, while the freshmen had amassed 17 points on eight baskets vance rapidly under the expert tuand one free throw.

Game Starts Slow

appeared as though little scoring perform for them. This is somewould be done. Both teams played thing which has not been attempt- divisions with five teams to a diout of the opponent's territory. | instructive. Moskowitz, uncanny freshman forward, started the freshmen on a out a schedule which will be an played. scoring spree by sinking a basket. nounced in the near future. Beon a field basket and one point on last year, a special effort is being a free throw to bring the score to made to card as many meets at

Jacobson committed a personal foul on the opening of the second quarter, giving the juniors a free throw. Stalzer placed the ball through the hoop for the one point of the score card for the remainder of that half. During this first period, the juniors made numerous attempts to score. Their shots at the hoop perhaps outnumbered those made by the freshmen, but every shot missed its mark.

The junior's first field goal was made by MacLennan, who replaced Schmidt in the third quarter. Mac-Lennan's basket seemed to break ability and should develop favorthe jinx that haunted the juniors, ably as the season progresses. The for the game thereafter was more return of Larkin, Armour's star closely contested. Before the third middleweight, will help consider- play. period ended Carlson sank a basket ably toward putting our pugs on a for the juniors.

Juniors Begin Play

With the score 19-5 at the end of Net Tourney Proceeds the third quarter, the juniors the third quarter, the junious launched a vicious attack in their as Good Weather Stays year 1930-1931 will officially open attempt to overcome this lead. They formed a better passing and defensive quintet but failed in their marksmanship. Moskowitz, Yuknis, Christoff, Rummel and Jacobson formed a combination that outsmarted them. They seemed to exert little effort and yet were able to keep the ball in their possession and occasionally released it to add a few more points to their score.

JUNIORS—10

Schmidt, g	.2	0	2
Carlson, g	.0	1	1
MacLennan, g	.1	0	0
	4	2	5
FRESHMEN—23	_		
	В.	Ft.	P.
Moskowitz, f	3	1	0
Rummel, f	1	0	0
Yuknis, c			0
Jacobson, g			1
Henke g	_	-	1

Leichtenberg, c 0 2

11 1 3 Referee-Robin, Umpire-Miran.

Goldman, g 0 0

Traveling Salesman Invents Rapid Gun

A traveling salesman turned inthe deadliest weapons ever built.

The war ended, his weapon unfin- faster than any other gun made.

Pugs Train Hard for Busy Season

A visitor to our gym on any Monday or Friday evening would see about twenty prospective pugs, engaged in bag punching, sparring, shadow boxing, and rope skipping, in preparation for a strenuous season. There exists a serious and grim atmosphere, as the training grind is somewhat different than that of other sports. The squad is slowly rounding into shape, and cording to the schedule announced varsity teams to get into action. should be in a condition to display by the manager, R. E. Meagher, of its wares before the Christmas inter-fraternity athletics.

Holidays. As was stated before in a review as follows: ing up process will be necessary because of the lack of veterans, who were either lost by graduation or kept out because of studies. Capt. Ustryski, Montesano and Donelly are the only lettermen out of a squad of twenty candidates, four of whom are seniors, twelve juniors, two sophomores, and one freshman. Most of these men have had little or no experience, but should adtorship of Coach Weisman.

Coach Weisman is endeavoring to bring up professional fighters ev-When the game started, things ery week, to instruct the men and 12:30 p. m. of the day of practice.

7-0 at the end of the first quarter. home as possible. Considerable difficulty is being experienced in this respect however, because most of the Y. M. C. A.'s prefer to meet our team on their own ground. This is due to the fact that Armour pugs that the juniors held on their side are very popular in amateur boxing circles, drawing huge crowds to these affairs, where clean college spirit is evidenced.

Unlike other athletic mentors, Coach Weisman will not cut the squad, as there are those who round games is as follows: merely come out to gain a knowledge of the manly art, and are not vs. Sigma Alpha Mu, Sigma Kappa gunning for a position on the Delta vs. Kappa Delta Tau.

A number of the candidates show winning basis.

All the games which were scheduled for the first round of the annual tennis championship tourney were played last week. A few days of balmy weather probably accounted for the fact that everyone was eager to get on the battle ground to have it out. Some of the men are already playing in the fourth round and if the icy blasts from the north are delayed on their seasonal journey, we may expect to see a satisfactory end to this part of the sports

program. The scores to the time of writing

Graham defeated Nelson-6-3, 3-6, 7-5.

Rowe defeated Colcord—6-3, 9-7. Wiltrakis defeated Knudson — 6-2, 6-3.

Richter defeated Bodinson-6-4, 1-6, 6-2.Curran defeated Kastner—6-0, 6-0.

Draus defeated Fagen—6-4, 4-6, 7-5. Dase defeated Nelson—6-4, 6-1. Wierzbowski defeated Stocklin-6-0, 6-0.

Hendricks defeated Hammond—6-2,

ished. He persevered. The other day he demonstrated to navy officials that it could shoot fifty caliber bullets nine miles, at a 800-aminute rate. They accepted the

ventor to design a machine gun of types. One will shoot foot-long proportionate lengths of the crank nine-mile range, said to be one of shells of 1.1 inch caliber thirteen shaft and body of an automobile of miles, sensitive projectiles explode Too old for the World War, Rob- on piercing a silk handkerchief 300 ert F. Hudson, of Richmond, Va., feet away. Another type fires 1,400 the hold of a new ocean-going molabored at home on a machine gun thirty-caliber bullets at air craft, tor ship and then delivered to a

INTER-FRATERNIT BASKETEERS SET TO OPEN SEASON

Teams Begin Practice on November 18 in Gym

ANNOUNCE SCHEDULE

tice will start on November 18, ac- and boxing are the first of the

The official practice schedule is

November 18-Sigma Kappa

November 19-Rho Delta Rho. November 20—Theta Xi.

November 21—Triangle. November 25—Sigma Alpha Mu December 2—Phi Kappa Sigma

December 3-Kappa Delta Tau December 4—Beta Psi. December 9-Phi Pi Phi.

December 10-Delta Tau Delta. These practices will be held after 4:30 p. m. The manager of the team must secure the basketball from Coach Krafft not later than

Tournament to consist of two each night on Dec. 11, 12, 16, 17. Manager Cannon is now working On Dec. 18 the final game will be

Games must start by 5:15 p. m. Henke followed with another, while cause of the enthusiasm displayed Both teams must be on the floor Moskowitz again scored two points during the first home boxing meet, and ready to start at this time or forfeit the game.

Games will consist of eight-minone minute between quarters. When two games are played on one evening the halves will be alternated in order to run the games off more rapidly.

Referees shall be chosen by the contesting teams before the start of game. Letter men are not eligible to play on the fraternity teams.

The official schedule for first

December 11—Phi Kappa Sigma

Xi, Delta Tau Delta vs. Phi Pi Phi. for competition will be the track drew byes for the first round of early in January.

First Practice for Basketeers Tonight

The basketball season for the tonight when Coach Krafft views the prospects for the team at their first practice in the Armour gym. All men expecting to try out for the team are urged to be present

The games are already scheduled for this season. The first one is the annual alumni affair which will be on December 9.

The team has very good prospects for the coming year with five regulars back from last year's squad, C. J. Robin, captain, H. C. Rossing, S. A. Ott, F. E. Rutkowski, and W. M. Miran. The practice for the first two weeks will be held in the Armour gym. On November 17th, a cut will be made in the squad, and then they will move to their new quarters in the 8th Regiment Armory gym.

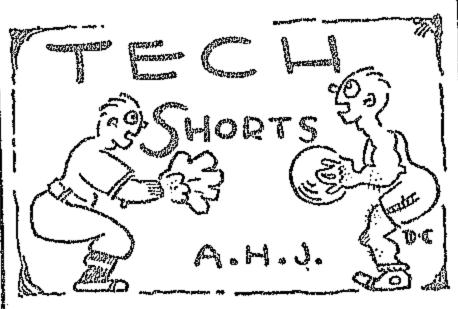
The official schedule of games will be published in the News next

Germany Casts Huge Shaft For Japanese

A monster crank shaft, that makes the ordinary automobile variety look like a part for a toy, has recently been made at a steel works in Dortmund, Germany.

Fifty feet long and fifteen tons in weight, it would require a gasoline engine operating a motor car as long as a city block to satisfy its It can be made in other deadly driving capacity, according to the average size.

The giant shaft is to be built into customer in Japan.



Experience Melpful

On the basis of lettermen in school, athletics should experience Inter-fraternity basketball prac- a very successful year. Basketball vious issue. Therefore, they will be discussed now with track, swimming, and week. baseball coming later.

Coach Krafft has five major letter men with which to build an effective attack this season. These men, in the order of varsity experience, are: Harvey Rossing, Clar- Y. M. C. A.'s, it will be endeavored ence Robin, Frank Rutkowski, Stan | to arrange any out of town trips in | participate again? Ott, and Von Miran. Thus Krafft conjunction with the boxing team, has a number of men experienced which also depends on the Y. M. C. time alloted. If more time is needin every position and trained in his A.'s for their competition. style of play. Others who did very good work last season were O'Con-shown by the trip to Culver, Ind., tute called for. nor, Sanstedt, and Lind. Two men which was made by both squads were lost by graduation last June. last year. These were Captain King Simpson and Jeff Rowley. The schedule last year included fifteen games of is undesirable. A special invitation which seven were played away is therefore issued to the freshmen, from home. Coach Krafft and Man- who, although their ability may ager Erland are attempting to not warrant them a place among team 15 yards for an offense. Playmake a schedule that will contain the regulars at present, will be ex-ers of offending team object and a defensive game, keeping the ball ed before and should prove very vision. Two games will be played about fourteen games, with the season closing early in February.

Boxing

Last year a new coach was engaged for boxing. Under the direction of this new instructor, Weissman, the squad captured two meets, tied one, and lost two. This is a commendable record considerute quarters with rest period of ing the time the team has to devote this year.

to mention that the Frosh again has ordered five all metal flying ing in this case? were victorious. This time the lowly boats. Each will carry two pilots, Freshmen trounced the Juniors in a mechanic, and seven firemen. what was supposed to be the championship interclass basketball contest. The game resembled a put and take contest with the Frosh doing all the putting and leaving little for the Juniors to take. The December 12—Triangle vs. Theta next chance the classes will have Beta Psi and Rho Delta Rho championships which will be held

> Either tonight or tomorrow the Senior Chemicals are to play the Junior Chemicals in an intradepartment indoor baseball game. Imagine an indoor baseball game in the Tech gym. All are invited to see the game.

An open challenge is extended by Sigma Kappa Delta to a game of touch football on Ogden Field anytime before the snow flies.

Swimmers Prepare for a Complete Turn-Out

Although a formal meeting of the swimming team has not been called, the regulars are gradually rounding into shape.

The announcement of the choice of a manager has been withheld by Mr. Allison's office, because of the earliness of this year's start, but it is practically a certainty that Davidson will be asked to assume this role, as was announced in a pre-

The quality of new material still remains a mystery, until the first meeting, which will be called this

Because of the return of practically all letter men, the Mermen should register a successful season.

Inasmuch as most of the swimming competition is offered by the

The regulars at present are all upper classmen, a situation which perienced enough to fill vacancies, become disorderly. Has the referee caused by graduation.

watch the bulletin board for par-|team fails to subside? ticulars.

Flying Fire Engines Used im Forest Fires

Flying fire engines are the latest to practice. Ustryski, a middle creation in the world of aviation. fensive team advances ball for a weight boxer, will lead the team They will be used in fighting forest long gain. Umpire blows horn befires, according to a report from fore play is completed, claiming the Department of Commerce in Oh, yes, it might be well for us Canada. The government there off-sides. What is the referee's rul-

Gridiron Queries

Editor's Note: Professor John J. Schommer. star player, conference umpire, and leading foot-ball authority, will answer through this column. any questions on football which are puzzling our readers. Questions may be submitted to the Sports Editor, H. P. Richter, 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.

By Professor John J. Schommer

Question 11. Under what conditions will a coach be permitted to go on the field when the teams are taking a time-out?

Answer—When he is called, due to serious injury to a player.

Question 12. When a team takes time-out due to injury of one of its players, are they compelled to resume action when two minutes expire or will they be alloted more time in case they wait for the player to recover in order that he may

Answer—Two minutes is all the ed the injured player must be re-The advisability of this plan was moved from the field and a substi-

> Question 13. Is a team permitted to take two time-outs in succession without executing a play between the first and second time-out? Answer-No.

Question 14. Referee penalizes a right to continue imposing two or Those interested are requested to three more 15 yard penalties if the

Answer — He not only has the right to do that but he is authorized to eject player or players from the game, or forfeit the game if his decisions are not adhered to.

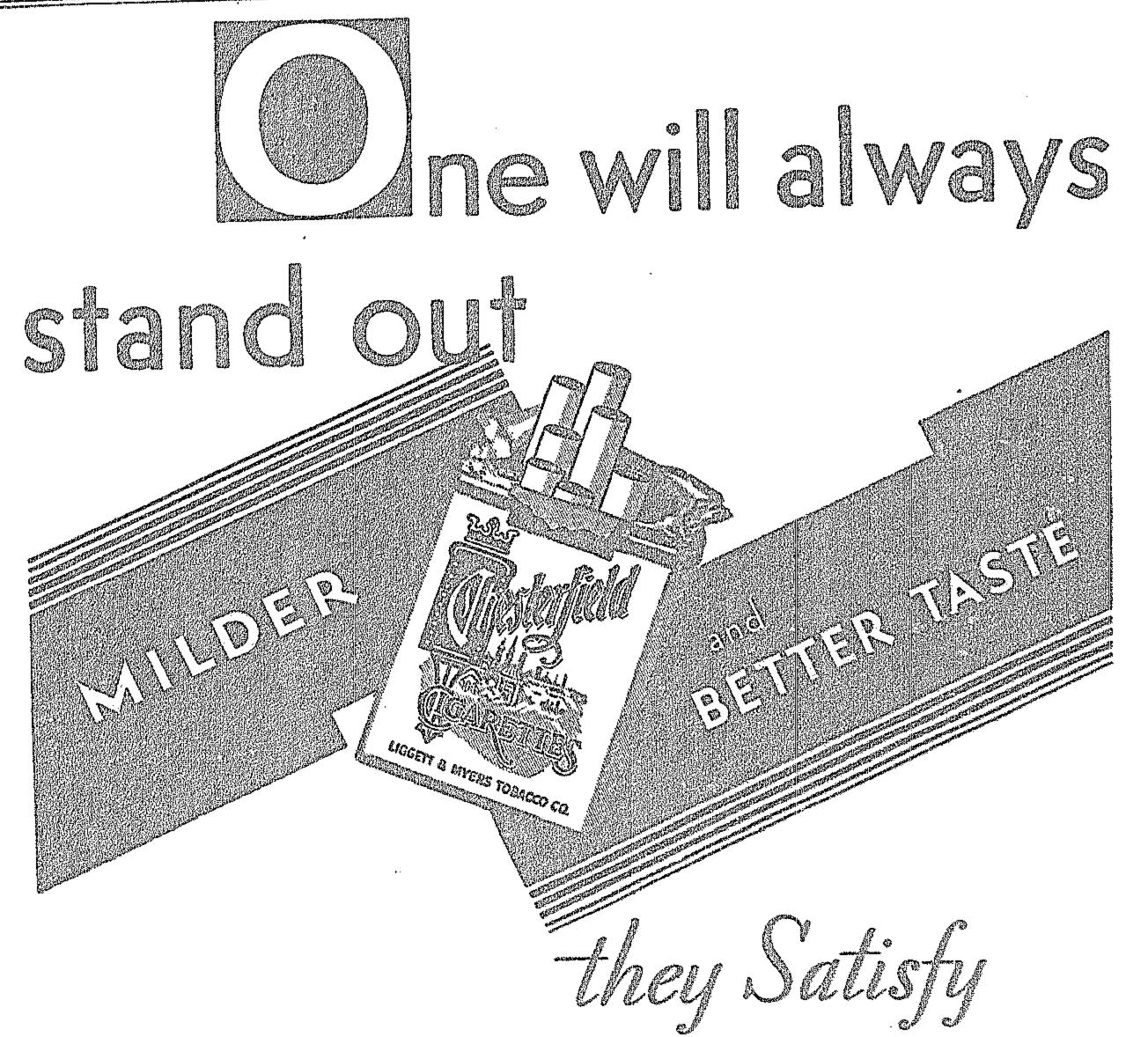
Question 15. Quarterback of ofthat members of both teams were Answer: Play is played over with

the down remaining the same.

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