

Vol. VI No. 12

Armour Institute of Technology, Chicago, Illinois

## Tuesday, December 16, 1930

WILL

# Game to Take Place.

# BASKETBALL TEAM TO PLAY WESTERN STATE NORWAL IN FEATURE CONTEST OF YEAR

All Classes May Be Excused for Afternoon to Promote Large Attendance at Armory

#### TEAM MEETS WHEATON TONIGHT

lications.

of the main building.

members:

Tau Beta Pi's Initiate

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

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

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

P. E. Seidelmann, F. P. E. '31

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

Mr. R. E. Wilson Talks

at A. I. Ch. E. Meeting

The Armour Branch of the A. I.

Ch. E. held their regular meeting

yesterday, December 15 at 11:30 in

Science Hall. Mr. Robert E. Wilson

of the Standard Oil Company of

Indiana presented a talk entitled

"The Mechanism of Lubrication."

sirability of the use of proper oils

in all kinds of machinery. Sev-

eral members of the A. S. M. E.

were present, as this talk vitally

vice-president in charge of manu-

Mr. Wilson is the assistant to the

On Wednesday, December 3, Pro-

fessor Amsbary spoke before the

Woman's Club at La Porte. His

subject was his new lecture "Liter-

ature, Its Inspiration and Power."

South Bend Teachers' Institute was

privileged to hear Professor Ams-

bary speak on the same subject.

On Saturday, December 13 the

interested them.

facturing.

Baptiste."

Mr. Wilson pointed out the de-

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

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

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

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

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

Tau Beta Pi, honorary engineer-

Armour's basketball team will play Western State Normal of Kal- College Papers amazoo, Michigan, at the Eighth Regiment Armory next Friday afternoon. School will probably be let out early in order to give all the students a chance to attend.

This game will be the feature contest of the year. The outcome is rather doubtful because Tech has not engaged in basketball competition with Western State Normal for several years.

Everybody is urged to come out and support the team, for all too little school spirit has been shown in previous contests.

The line-up for the game will be determined largely by the showings in practice.

#### Probable Starting Line-Up

Robin Porwerd Miran.....Left Forward Rossing ......Center Gustafson.....Left Guard Rutkowski......Right Guard

Tech will also meet Wheaton College tonight at the Armory at 4:30 P. M. Last year, Armour defeated Wheaton, 21-14, but tonight's contest might be a reversal because Wheaton has a very strong team ing fraternity held an initiation this season. The mettle of both last Wednesday, December 10th. teams while under heavy fire, will The following men are the new be proven in this encounter.

#### Armour's Athletes Gather for Banquet

The Honor "A" banquet was held last Tuesday evening, December 9, 1930 was pronounced a huge success by all those present. Coach Krafft opened the formal part of the meeting with an address and then watch charms were presented to the new members. A list of the men newly initiated into the Honor "A" Society is given below:

- A. Montesano
- F. A. Ustryski
- M. C. Larkin R. A. Timmermans
- K. S. Hirsch
- E. L. Cordes
- R. R. Eddy
- W. E. Schirmer D. J. Iverson
- A. H. Jens
- C. C. Mago S. Pepe
- W. L. Hafner

#### Trousers for Music Clubs on Hand Soon

Delivery of the white trousers for the Christmas Concert to those of the musical organizations who have ordered them, will probably be made tomorrow, Wednesday, December 17.

Each one receiving a pair of Some time in the near future trousers must pay the price of \$3.75 | Professor Amsbary plans to speak at delivery. The exact time and to the Round Table Dental Arts place of distribution will be an- Association on the subject, "Jean nounced on the bulletin board.

#### several of the honorary fraternities will be held in the Old Town Room of the Sherman Hotel, Friday, December nineteenth at 7:30 p. m.

Sponsor Survey

lege Newspapers, of which the Ar-

mour Tech News is a charter

member, is conducting a market

survey in its member colleges, to de-

termine the amount spent by each

student for his various needs. In-

formation thus obtained will help

get advertisements for school pub-

The recent initiates of Tau Beta Pi, Eta Kappa Nu, Pi Tau Sigma, Chi Epsilon, and Phi Lambda Upsilon will be the guests. All Alumni, faculty, and active members of the participating honorary fraternities are invited to attend the banquet.

GATHER AT HOTEL

SHERMAN BANQUET

HONORARIES

Dr. Raymond, President of Armaster. Other prominent speakers group. In order to insure an enjoyable evening, a variety of fine bids are \$2.50. entertainment has been prepared. The cost is to be \$1.50 per plate. The Chicago Association of Col-

# Streb Is Frosh Kepresentative

L. H. Streb was chosen freshman Each student in school is re-class representative for the Arquested to fill out one of the pro- mour Athletic Board, at a meeting vided blanks. Freshmen will get of the class held in the Assembly them through their English classes, Hall last Wednesday. and Upper classmen will get them

R. H. Cheatham, president of the through their departments, they class, opened the meeting with a student who has not filled out a few remarks concerning the busiblank is urged to obtain one today ness to be transacted and then proat the "Tech" News desk in the hall | ceeded with the election of the representative. L. A. Cullen, the social chairman next gave a report of the social events to take place in the near future, especially the

Chapter's New Men freshman smoker. E. J. Stehno, '31, then explained the purpose and functions of the Armour Athletic Board and congratulated the freshmen on winning both the baseball and basketball intra-mural championships to choose the awards.

> It was also announced that the cess. Freshman Informal would be held shortly after the Easter holidays. included a one hundred per cent

#### CALENDAR Tuesday, Dec. 16

4:30-Basketball - Wheaton College vs. Armour at the Armory, 35th St. and Giles Ave.

5:00-Quarter-finals of the inbasketball terfraternity tournament.

Wednesday, Dec. 17 2:00—Alpha Chi Sigma meeting. 5:00—Semi-finals of the interfraternity basketball

#### Thursday, Dec. 18

tournament.

10:30—Christmas Concert. 5:00—Championship game of the interfraternity bas-

ketball tournament. 8:00—Swimming meet—Armour vs. Hyde Park "Y" at the Hyde Park "Y".

#### Friday, Dec. 19

12:20-Hockey meeting in Science Hall.

and Giles Ave.

- 4:30—Basketball Western State Normal vs. Armour at the Armory, 35th St.
- 8:00—Boxing—Armour vs. West Side "Y" at the West Side
- 10:00—Singing Glee Club at ward to with eagerness. Architects Club. Monday, Dec. 22, 1930 to Jan. 5,

1931Mid-winter Recess. NOTICE

School will be closed for the Christmas holidays from December 22, 1930 until January 4, 1931 inclusive. There will be no issue of the Armour Tech News on Tuesday, January 6, immediately following The joint initiation banquet of the reopening of school.

## Junior Informal Place, Date Set

The social committee of the Junior Class has, after exhaustive comparisons, decided on the Main mour Institute, will act as toast-Ballroom of the Steuben Club as the location of the Junior Informal. will also be present to address the The dance is to be held on January 16, from nine to one, and the

The sweet strains of "Jinks" Bryan's Inter-Fraternity Club Orchestra are to permeate the atmosphere for the major portion of the evening. This orchestra is well known in college circles, having played their "sweet" type of dance music at many prominent social func-

Plans are under way to provide additional professional entertainment, and from all present aspects, the event will be a great success. Bids may be secured from members of the social committee before the Christmas holidays. The mempers of this committee are:

- J. J. Casey, chairman
- J. E. Bryant
- A. J. Jungels G. W. Schodde
- J. E. Bryant

# A.I.E.E. Smoker

# Is Huge Success

In drawing an unprecedented atand suggested that some suitable tendance, the fall smoker of the award be given the teams. The Armour branch of the A.I.E.E. held the proceedings, is a member of the Class President acted on the sug-last Wednesday, December 10 at gestion and appointed a committee the Sigma Kappa Delta house, was souri at Columbia, Missouri, and declared to be a pronounced suc-

> Eighty-seven electricals, which Junior representation, were present. After having played cards and smoked for an hour the "juicers" were entertained. A miniature stress and strains band composed A. H. Weston, '32 and directed by at 1801 Prairie Avenue. E. J. Stehno, '31, opened the program with a series of popular that are on their program for the tunes. A R. Draus, '31 gave a few Christmas concert, and will make vocal selections in conjunction with their appearance at about 10:00 this part of the program.

ers, on the piano, played the part P. M. of the rabbit. L. J. Ericsson, '28 then closed the entertainment by singing several songs.

The eats came next. They were of the best and everyone wished, that they could eat more.

A number of last year's graduating class were present. These include: R. McInerney, J. Nebel, C. Rudelius, C. Bogowicz, S. Janiszewski, F. Bigelow, and R. Escott.

Altogether, this smoker was thor-

The average altitude of the North American continent is about 2,000 | 25,000 windmills which are manu-

# Friday soloists, orchestras, and ANNUAL MUSICAL RECITAL

Unusual Program to Feature Christmas Carols, Classical and Popular Selections

#### PLAN ORGAN SOLOS FOR FIRST TIME

## Alpha Chi Sigma Initiation Held

Alpha Psi Chapter of Alpha Chi Sigma Fraternity was installed Saturday, December 13, by members of Upsilon Chapter of Northwestern University under the direction of Dr. Walter S. Ritchie, Grand Master of Ceremonies.

The proceedings started at 2:00 o'clock in the Mission building and were concluded at an Installation Banquet given at the Y. M. C. A. Hotel in the evening. Twenty members of Upsilon chapter were present to conduct the installation, and about fifteen members of the Chicago Professional chapter of the Fraternity lent their assistance.

The following men were installed as officers of the new chapter:

- F. B. Attwood, Master Alchemist. G. J. Stockman, Vice-Master Al-
- chemist. I. B. Lehman, Treasurer.
- J. O. Cavanagh, Reporter.
- R. H. Blom, Recorder. O. R. Steinert, Master of Ritual.
- A. F. Bigelow, Alumni Secretary. A total of thirty-two petitioners were present and were installed as charter members of the chapter. Included in this number were Professors Tibbals, Carpenter, and

Bentley. Dr. Ritchie, who was in charge of made a special trip to Chicago for the purpose of conducting the rites.

## Glee Club to Sing at Architects Club

The Armour Tech Glee Club will of G. L. Bonvallet, '32; R. J. Abram- sing this Friday evening, December son, '31; K. H. Myers, '31; L. A. 19 at a Christmas party to be given Newman, '31; M. A. Collick, '32; and by the Architects' Club of Chicago,

The Club will sing the numbers

P. M. Members are not expected W. Drigot, '31 followed with a to wear white trousers for this afrecitation on the "Three Trees" in | fair as they were for the Christmas which Newman, on the drums, was concert. They may come to 1801 featured as the hunter; and Mey-Prairie Avenue any time after 8:00

Arrangements have been made through David A. Pareria, '18 chairman of the entertainment committee at the Architects' Club. Dr. Daniel Protheroe will direct the Glee Club.

### Aurora-Armour Club To Hold Dinner Soon LeRoy J. Ericsson

The Aurora-Armour Club, comoughly enjoyed by everyone that posed of Armour graduates living attended and because of this, the in or near Aurora, will hold a dinnext A.I.E.E. smoker, to be held ner on Tuesday evening, December General Electric Company at Schenext spring, is being looked for- 23 at seven o'clock. The place is nectady, N. Y., spoke at the regular Julia King's Tea Room in Aurora. A. I. E. E. meeting held yesterday.

> Argentina purchases one-half the factured annually in this country. by a number of movie reels.

The Annual Christmas Concert, which features the Armour Tech Glee Club, the Symphony Orchestra, the Stresses and Strains and several soloists will be held this Thursday, December 18 in the Assembly Hall. All classes are excused for the event.

The concert has been scheduled for 10:30; but because of the long program, Professor Leigh, faculty advisor for the musical clubs, favors starting at 9:30. However, at present the time is 10:30 and any change from this will be posted on the bulletin board.

#### Program on Page 3

The tentative program as arranged by the officers of the Armour Tech Musical Club is on page 3. According to this arrangement, the Orchestra directed by R. R. Eddy, will open the program with two numbers, the first of which is the "Golden Sceptre Overture." The Glee Club, directed by Dr. Daniel Protheroe, is to follow with a group of three Christmas carols.

Two soloists are next on the program. Tom Filas will play an oboe solo and George Burhop, accompanied on the piano by his mother will give a group of baritone solos. 'The Pilot," arranged by Dr. Protheroe, will be one of the songs.

### Play Popular Numbers

The Stresses and Strains, representatives of syncopated music and directed by Frank O'Conor, are to follow Burhop with "Sweet Jennie Lee," "My Bluebird Was Caught in the Rain," and "I'll Be Blue, Just Thinking of You."

The Glee Club then appears for the second time with another group of three numbers. An arrangement by Dr. Protheroe of "Passing By" is the outstanding song.

H. Chandler's organ solo, for which everyone will eagerly await, comes next. For the first time in many years a general assembly of Armour students will hear the Armour Mission organ.

The program will be closed with the Orchestra playing "Hungarian Dance, No. 5," by Brahms.

#### Desire Prompt Start

Members of the musical clubs participating, particularly the Orchestra as they are first on the program, are expected to be on hand at the Assembly at least ten minutes before the starting time.

In keeping with previous custom and policy all members of Orchestra, Glee Club, and Stresses and Strains must wear white flannel trousers, white shirts with black bow tie, dark blue or black coat, and black shoes for the concert.

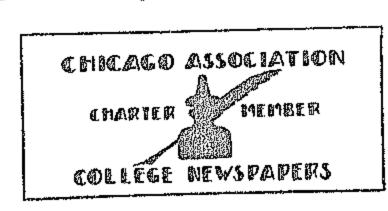
# Talks at A. I. E. E.

Le Roy J. Ericsson, '28 of the Monday, December 14.

His subject was: "Industrial Electric Heating," and was illustrated

# Armour Tech News

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Vol. VI

### VOTE YES!

DECEMBER 16, 1930

No. 12

into being at Armour. Before its establishment two run faster and weren't so nearsighted, they would arguments were advanced against its founding; first, that there was not sufficient news about school and enough interest in school affairs to warrant the publication, and second, that it was impossible to run the paper on a paying basis.

The first argument has been entirely overwhelmed; even the most vigorous opponents of the founding of the paper now agree that the paper fills a vital need and is indispensable. The supporters of the second objection have been vindicated in their judgment, but not in the manner in which they predicted. The paper is not subscribed to by the entire student body, hence our advertisers do not believe it is read by all the students. Our observations show that the paper is read by practically 100 per cent of the students, but one copy fills the needs of two or three. Advertisers, however, pay only for net paid circulation.

Because our subscriptions have fallen off, and because our advertisers have subsequently reduced their space, it is necessary for the Armour Tech News to ask to be put on a basis similar to that on which other college newspapers are run. A fund is created for the purpose of running the paper which is maintained through subscriptions of one dollar paid for by each student registered at the institutions at the time of registration. This is the plan used with success at Northwestern, Loyola, Case Tech, and many other

colleges. This one hundred per cent subscription of the student body will help the Tech News in two ways. It will give us an increased income from subscribers, and will automatically make our advertising space of more

value to our advertisers. The increased fund with which the staff can carry out its activities will be reflected in a higher caliber paper, one of which Armour can be proud. The staff will be able to print pictures of prominent students and faculty members, print the program schedule each semester at no additional cost, run special editions with exceptional features on Open House Night and at other times during the year, and print programs for concerts and handbills for important athletic

events. In order to have this plan put into effect, it is necessary to have an affirmative vote on the matter by the student body. At the Christmas Concert on Thursday, the question will be brought up. IF YOU WANT THE TECH NEWS TO CONTINUE, VOTE YES!

F.B.A.

# "The Slipstick"

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

#### HUMILITY

For noble heart, and nature meek, Commend me to the man, I say, Who wears upon his coat this week The badge of the last week's tag day.

Dutch says that scientists are now working on a much needed invention, namely a wrinkle remover for an accordion.

歌 齊 墩

A Scotchman was accosted by a military picket. "Who are you?" challenged the soldier. "I'm fine," answered Sandy, "Hoo's yer'sel'?"

### Pays to Advertise

The following from the "Pasadena Star-News" speaks for itself: "Long Beach-A vertical race is scheduled for next Sunday at a local flying field. Competing airmen will mount to 5,000 feet, turn the noses of their crafts to the ground and scoot down. The first one to land will win a silver cup. The man who is donating the cup is J. J. Mottrell, a local undertaker."

#### More Truth Than Poetry

\* \* \*

Maybe this poem hasn't any feet (or any hands either),

It may not have anapests nor dactyls neither. But if it wasn't homework for one of the faculty's

men, It's just four lines longer'n it would have been. -Eddie.

#### EXTRACTS FROM STUDENT THEMES.

"The empire fell in the hands of the generals and they held it for fifteen years."

"In exHamination the Perfessor fines out what the Stewdent doesn't know."

"I stuck my head out of the window and found that it was broken."

The following headline appeared lately in a Chicago newspaper:

"CHILD, FORMER ENVOY, FACES THIRD DI-VORCE."

It's no wonder they say that the younger generation —Dutch. is going to the dogs.

# So Thought Bunsen

"That's a hot one," cried the freshman as he pulled his hand out of the Bunsen flame.

### HYPOTHETICAL FOOTBALL

If some men were heavier, could remember the sig-Almost three years ago the Armour Tech News came nals better, wouldn't fumble the ball so much, could make good football players.

> The Prof. says he plays golf for the fun of it. Our game isn't very good, either.

PSYCHOLOGICAL NOTE—The inferiority complex would be a fine thing if the right people had it.

A rich and pompous man was staying at a small country hotel in New York, and as he entered the breakfast room the only other visitor present rose to

his feet. "Sit down, sit down," boomed the great and rich

one, condescendingly. "Why?" asked the other. "Can't I get up for some marmalade?"

History records few women who laughed at their husbands' jokes. Those few had beautiful teeth.

### AND THEY WERE SHOT

Tom, Dick and Harry, three timid boys entered the village hardware store. The rather gruff proprietor said to the oldest, "What do you want, Tom?"

"A dime's worth of BB shot, please." 'The old man climbed a ladder, brought down the shelf box that contained the air-rifle shot, made up the packet and returned the box to the shelf above. Then he asked the second boy, "What do you want, Dick?"

"A dime's worth of BB shot, please," was the meek

Why didn't you say so before?" said the old man, irritably, as he went for the ladder again. He made up the packet as before, and then turned to the third. "And do you want a dime's worth of BB's, too?" he demanded.

"No," replied Harry, hesitatingly.

The old man climbed laboriously to the shelf again and deposited the box of shot. Then he returned to the counter.

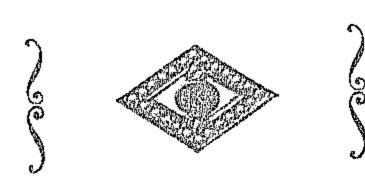
"Well, my boy, what do you want?" he demanded of

"A nickel's worth of BB shot," said the lad.

Clean the chimneys, boys, old Santa will soon be here. And, by the way, best wishes for the season. Phil J.

# ETA KAPPA NU

Honorary Electrical Engineering Fraternity



On October 28, 1904, ten students in the department of electrical engineering at the University of Illinois gave life to a new fraternity Eta Kappa Nu. These men realizing the necessity of grouping more closely the outstanding men in edge with common sense. their class and foreseeing the mutual benefits to be derived therefrom, took action in that direction.

Since the Alpha chapter was founded in 1904, Eta Kappa Nu has grown and expanded into the present national honorary electrical fraternity. Now, even as then, it is an organization of electrical engineering students who are banded for such aid and inspiration that must come from the close association of men having kindred aims and pursuits.

The chosen life work of its members is electrical engineering and it is for the purpose of binding together similar men in leading technical institutions of the United States, that Eta Kappa Nu was founded. Also it is a means of bringing in contact the graduate and undergraduate and thereby increases the chances of its members for success in their profession.

In 1909 a few of the electrical students at Armour realized that such an organization offers unlimited advantages which are very beneficial to the members. On May

STEPPING

official fact. It was made up of ten men with Herbert Rose as Rifle Club Considers President, Clarence C. Bailey, Vicepresident and Treasurer, and William J. Neville, Secretary. The ceremony was conducted that evening by brothers Hanson, Maddox Rifle Club was held last Wednesand Carr of Alpha Chapter.

more weighty than classroom by a unanimous vote. grades; the ability to use knowl- In addition to the meet with the

It contains articles of business, ond to be run off during this week. discussions of an electrical nature, active and alumni chapters.

spreading from coast to coast, com-Kappa Nu.

Of the faculty, there are five Eta Kappa Nu men, namely, Professors E. H. Freeman, D. P. Moreton, J. chusetts Institute of Technology E. Snow, D. E. Richardson, and V. for a match between our Fresh-B. Teach.

W. Drigot, president; R. Patzel, Armour. The varsity team feels vice-president; A. R. Draus, treas- | confident that the Frosh will surely urer; W. Penfold, corresponding add another to the team's string secretary; H. S. Marando, record- of victories. ing secretary; C. Blahna, Bridge correspondent, and E. S. Warner, to promote genuine activity among pledge captain. There are also five the students in the electrical desenior and two junior pledges. They | partment, run a contest. The prize, are: D. Fetterman, M. Lukey, T. B. an A. I. E. E. Standard Handbook O'Connor, E. E. Paschke, E. Stehno, for Electrical Engineers, is given M. Fagen and W. Krahl.

24, 1909, Delta chapter became an dition that Eta Kappa Nu, in order a subject of an electrical nature.

MODERN

# Purchase of Trophy

A meeting of the Armour Tech day, December 10, 1930. The first Although the first requirement of order of business was a proposed Eta Kappa Nu is good scholarship, cup to be purchased by the Armour it is scholarship defined as broadly Rifle Club and the Humboldt Park as possible. Not only the visible Gun Club to be used as a trophy scholastic grades are required but between these two organizations. also those invisible grades which In order to gain permanent possesindicate how useful a man has be-sion of the cup one team will have come to the world and how well he to win it three years in succession. has learned to get along with his The first of the series of meets for companions. It is the ability to this cup will be run off this week lead among his fellow men that is since the club approved the plan

Humboldt Park Gun Club, the The Bridge is the publication of Rifle Team is holding a meet with the fraternity, compiled so that six the Lane Technical High School of issues are distributed every year. Chicago. This meet will be the sec-

The Rifle Team is entering the biographical sketches, and news of meet for the Tribune Trophy that starts the first week after the Mid-Twenty-three chapters, located winter recess. This contest will in leading engineering schools consist of one match a week for six consecutive weeks with the team pose the National Fraternity, Eta having the best total score winning the trophy.

The president of the club received a challenge from the Massaman team and theirs. At the pres-The active members consist of ent time a team is being formed at

each year to the sophomore sub-It has become an established tra- mitting the best paper dealing with

WORLD

# Clipping a second would save 25,000 hours

A second saved here — an unnecessary step cut out there — on such close attention to detail rests the success of modern industry. Nowhere is this more strikingly shown than in the telephone business.

In accounting work for instance, an improved method that clips just one second from the time required to handle one toll ticket would have great results.

Applied throughout the System-handling an average of more than 90,000,000 toll tickets each month—it would effect a monthly saving of 25,000 hours!

Such "little" things often are tremendously important in so vast an industry. That is one reason why men find Bell System work so fascinating.

The opportunity is there!

# BELL SYSTEM



A NATION-WIDE SYSTEM OF INTER-CONNECTING TELEPHONES

## Arx News

The Chicago Bridge and Iron Works announce a competition for the designing of an Elevated Tank. There is to be a first prize of \$2,-000, a second prize of \$1,000, a third prize of \$500 and five other prizes of \$100 each.

Further information pertaining to the competition may be gained from the December issue of the magazine, "Architecture."

The American Institute of Steel Construction intends to celebrate the 50th anniversary of the birth of the skyscraper in 1934. Chicago is credited with being the home of the first building framed in steel in which the walls were supported by the steel framework.

The Chicago Sunday Tribune is running a series of photographs beginning with the issue of December 7th, called "Chicago's Century of Architectural Progress." The first was prepared by Mr. E. H. Reed, Jr. as a member of the committee on public information of the Chicago Chapter of the A. I. A.

These photographs may be viewed in the Burnham Library of the Art Institute.

At the December meeting of the Chicago Chapter of the A. I. A., among the other speakers of the evening were Franke H. Bosworth, Jr. and Roy Childs Jones whose subject was, "Architectural Schools, Present and Future."

Schools of Architecture for a preliminary survey of architectural education.

#### Civils Inspect Huge Tunnel Under Lake

E. made an inspection trip last will be of any particular interest to Saturday afternoon to the new the Chemikers. Chicago Avenue Water Tunnel in conjunction with the down-town chapter of the society. As the trip. was made out of school hours it was not compulsory. The trip was made possible through the courtesy | Work" was the subject of an illusof Mr. L. D. Gayton, city engineer and member of the W. S. E.

Avenue and the lake front, the men | department at Armour. being taken down through the as sufficient numbers arrived.

#### NEW BOOKS NON-TECHNICAL Short Stories in Science J. G. Crowther

Wonders of Engineering Ellison Hawk

Antarctic Adventures and Research Griffith Taylor

TECHNICAL Diesel Engine Operation C. H. Bushnell

> Radio Law W. J. Davis

Encyclopedia of Ceramic Industries A. B. Searle

> Wind Bracing H. V. Spurr

Photo Cells and their Applications

V. Zworykin & E. D. Wilson

Starting this week, the News will print an abridged list of books received during the past week in the library of the Institute. This list is not merely the best books received, but a representative choice, and should serve to show just what new books may be found. Miss Steele will give more detailed information at any time.

#### A.C.S. Will Meet At The City Club Friday

The meeting of the American These gentlemen were appointed | Chemical Society for December will by the Association of Collegiate be held at the City Club, this Friday, December 19, 1930. The subject, however, to be presented to the main group at this meeting is one that may prove of little interest to Armour's Engineers. It is "The Self-Selected Diet of Infants and Children" to be presented by Clara M. Davis, M. D. The group meetings should be the only por-The Armour branch of the W. S. tion of this month's meeting that

## Mr. H. Penn Presents

"Scheduling in Construction trated lecture given at the W.S.E. meeting last Friday morning at The start was made from the 11:30 in Science Hall by Mr. Henry shaft house located at Chicago Penn, former professor in the civil

Most of the time was devoted to hoist to the tunnel, two hundred a motion picture which illustrated feet below the surface, as rapidly and was the basis of two or three short talks by Mr. Penn.

#### ANNUAL CHRISTMAS CONCERT PROGRAM

Thursday, December 18, 1930 ARRANGED BY THE ARMOUR TECH MUSICAL CLUBS ORCHESTRA

Directed by R. R. Eddy

Discount of are in Many
Golden Sceptre OvertureSchlepegrel
Beneath the HollyMedley
GLEE CLUB
Directed by Dr. Daniel Protheroe
God Rest Ye Merry GentlemenTraditional Melody
Silent Night, Holy NightGerman Folk Song
Winter Song
Oboe SoloTom Filas
Vocal Solos by George Burhop
The World Is Waiting For The Sunrise E. Seit:
The Old RoadJohn Prindle Scot
The PilotDaniel Prothero
STRESSES AND STRAINS
Directed by Frank O'Conor
Sweet Jennie Lee

Organ Solo H. Chandler ORCHESTRA

I'll Be Blue, Just Thinking Of You......Pete Wendling

GLEE CLUB

Hungarian Dance No. V......Brahms

Student Lunches The Motorists Cafe Michigan Ave. at 33rd

## ARMOUR RECEIVES EQUIPMENT FROM A.T.&T.COMPANY

To Help Juniors Gift Study Power

### PLAN NEW TESTS

Lines

partment has received as a gift which the Alumni still regard the that a serious minded person would from the American Telephone and Chapter was shown to a marked find much fault with it, but to the Telegraph Co. apparatus which will degree by the large number who fun loving youth, who seeks a reenable a thorough study of tele- were present to enjoy the enter- laxation from the strenuous fares phone and power transmission tainment of the evening. lines. The apparatus received consists of the following items, a Type 13-A Oscillator, Type D-79017 Volt-Line and auxiliary apparatus.

rents adjusted to any single fre-furnish the music. ing two high frequencies, one of noon for lunch. which is constant and the other variable.

#### Accurate Weasurement

As alternating current meters are less sensitive than direct current meters, measurements of alternating voltages and currents of magnitudes and frequencies found in transmission work cannot be made with a simple meter such as employed in direct current work. The D-79017 Voltmeter - Milliammeter will measure effective voltages from .001 to 3.16 volts, and arrests from .02 to 31.6 milliamperes for frequencies of 100 to 5000 cycles per second.

The Impedance Bridge is designed primarily for making impedance measurements in the voice frequency range (100 to 3000 cycles). It has an inductance range of from +500 to -560 milli-henries and a resistance range of from zero to 11110 ohms. This bridge will be used with the 13-A Oscilla-Talk Before W.S.E. tor described before.

#### Has Artificial Line

The most interesting part of the equipment received is the Artificial Line which is a combination of inductances, capacities and resistances which very closely approximates a transmission line whether it be a telephone or a power line. The parts included in the Artificial Line will make up a line 200 miles long. In addition to the described apparatus there was included repeaters, receivers, retardation coils, etc., which will be used in conjunction.

This equipment, donated by the American Telephone and Telegraph Co., will round out the Junior Electrical Engineering Course and will give the student a better conception of the problems as they are met in the field. New experiments requiring the use of this equipment will be introduced by Professor D. P. Moreton next semester.

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

## FRATERNITY NOTES

#### PHI KAPPA SIGMA

At the election held Dec. 8, the following men were elected to hold office in the Alpha Epsilon Chapter of Phi Kappa Sigma:

Pres.—R. N. Wilson Vice Pres.-C. K. Simons Treas.—M. C. Larkin Rec. Sec.—H. A. Reich Corres. Sec.—J. W. Juvinall

The regular semi-annual Alumni Smoker was held at the House last bodies nonsensical humor with a The Electrical Engineering De-| Saturday night. The interest with | rapidly moving story. It seems

#### TRIANGLE

tube generator of alternating cur- dance, and the Purple Parrots will them seem more ridiculous than

tion is the well known heterodyn- vention and dropped in Friday torical gibberish.

#### THETA XI

takes pleasure in announcing the initiation of the following men:

R. L. Ellis, F. P. E., '33.

C. R. Marsh, M. E., '33. R. E. Nelson, M. E., '33.

E. A. Scanlon, Jr., F. P. E., '32. The formal initiation took place

Saturday afternoon, Dec. 5, and a dinner was given in honor of the initiates in the evening.

The annual Xmas dinner and dance was held at the Chapter House last Saturday evening. It was a colorful affair and "a wonderful time" was the unanimous garet Wycherly, the guest artist, vote of all present. Many alumni and all the actives were in atten-

the class of '28, paid the fellows a same high degree that we have exvisit two weeks ago. Mac and Kent | pected of him, and as the perplexed | of as many officers from each class expressed pleasure at being, once diplomat he plays the role to the as that class has representatives again, on the scene of their collegi- overshadowing of some of the oth- on the Student Council. ate careers.

#### SIGMA KAPPA DELTA

Sigma Kappa Delta was the host of a number of Alumni at a smoker held on Friday, December 5. The hearty cooperation of the alumni, this occasion a great success. The annual Christmas Dance is

to be held on Saturday, December 20. This dance promises to far surpass those of former years, a fine crowd having already declared their intentions of attending.

## REVIEWS

#### HAY FEVER

Noel Coward

Presented at the Goodman Theater

"Hay Fever" the current production at the Goodman Theater, is truly a play that will appeal to the average college man, for it emof academic life, it is unique in its class.

The play might be called a satire The seventh annual Snowball on the old time melodrama, for

Coward has, besides working in such clever satirical nonsense, ex- will be graduated whenever they hibited the ability to write clever are able to pass an examination Alpha Gamma, of Theta Xi, repartee, and thus the dialogue at which may consist of a series of all times is sparkling . . . or else questions, an essay, or a laboratory humorous through its intentional problem. inanity. Such extereme changes in style only serve to make the play will be awarded upon completion a more hilarious success.

The cast has done much to make the play the success that it is, for the characters portrayed are all somewhat eccentric, and to create this eccentricity without making it seem forced is a deed that the Goodman repertory company can feel proud of having done. Marhas created the part of the voluable Judith to perfection; one feels that she is most realistic. The work Kent Parker and Mac Horn, of of Harry Mervis was again the ers. Katherine Krug has also surprised us by playing a part with more vitality than she has ever seemed to possess in the past.

While the Goodman may present stage plays that cause derogatory comment in some of the large active chapter, and pledges made dailies, we hold, as we have in the past, that to the college man they supply a supplementary touch to technical education; they range from high comedy to serious drama, yet always have an appeal for the thinking man. A.B.A.

# BOULEVARD CAFETERIA

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MOTORIST'S ASSN. CLUB Thirty-third and Michigan

J. Edelsteen, Mgr.

## U. of C. Adopts New School Plan

The trustees and faculty of the University of Chicago have decided to discontinue the present graduate school and the present undergraduate courses. The new system about to be adopted is an experiment and calls for five divisions in the non-professional training. Each section is to be headed by a dean. The divisions are: The social sciences division, the physical sciences division, the biological sciences division, the humanities division and the college.

The plan is to be tried out for a period of five years and if at the termination of this period it does not accomplish what is expected, it meter-Milliammeter, a Type 1-B Dance will be held at the chapter through the guise of the character, may be exchanged for a better Impedance Bridge, an Artificial house Saturday, December 20. The Judith Bliss, all the hackneyed, plan. It is hoped that this new house will be decorated in a stock phrases are utilized, but in institution will save time for the The 13-A Oscillator is a vacuum fashion befitting the name of the such a manner as to merely make average student, bring about newer and more satisfactory teaching they seem in cold print. Try and methods, and afford a wider choice quency from 20 cycles to at least | Henry Penn, former professor, depict to yourself four people sud- of subjects. The classes in the up-9500 cycles per second. It is de-and brother of John C. Penn, dean denly all quoting lines from one per divisions will be much smaller signed especially for use with of engineering of Armour Institute, such play, while four others, not and the teachers in closer contact transmission testing apparatus. The was in town for the American In- in mutual understanding, bewild- with the students. The upper classprinciple involved in its construc- stitute of Steel Construction con-ered listening to such a flow of ora-men will receive the greatest amount of attention and effort.

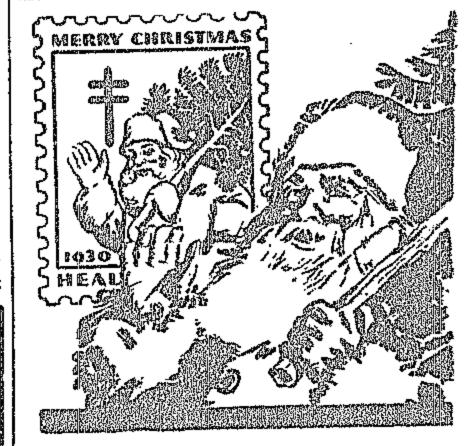
Students in the upper divisions

The equivalent of a B. A. degree of the non-professional work. Professional degrees will be awarded only on the recommendation of the entire section and not one depart-

For a number of years various colleges and universities have been experimenting with new educational systems and ideas. Dr. Meiklejohn at the University of Wisconsin has done much to stimulate this new trend.

A recently adopted election plan at Williams calls for the election

Tests made at the New Jersey college for women indicated that sophomores are less liable to believe untruths than juniors are.



#### CHRISTMAS

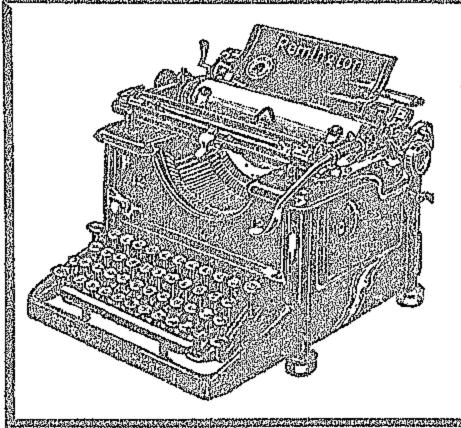
with its joy and good will-why not extend its spirit over the whole year? The fund from the sale of Christmas seals in December will carry help and education against tuberculosis throughout all 1931.

The National, State & Local Tuberculosis
Associations of the United States

Buy Christmas Seals Fight Tuberculosis

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# OFFICIAL PHOTOGRAPHER

ARMOUR INSTITUTE of TECHNOLOGY

SPECIAL RATES TO STUDENTS

# ARMOUR CAGERS PILE UP MARGINS IN TWO GAMES ALUMNI AND CHICAGO TECHI

Krafft Men Demonstrate Superiority By Snappy Offensive and Defensive Tactics

## SQUAD HAS THREE VICTORIES TO CREDIT

In their annual basketball game last Tuesday the varsity defeated Regiment Armory.

team of regulars to meet the fast | a score of 31-13. breaking attack of the veterans. When on the defensive the old grads used a man to man style of ponents got off to a three point play with Hofer bearing the brunt lead and succeeded in holding the of the varsity attack. Will Kuffel, captain and center of the alumni team, directed the team play from the free throw circle by feeding the ball either to Schumacher, Downes, or Manz. The team presented by the alumni according to Krafft was composed of the best men who have ever played for Armour since he has been coach.

Mistake in Time. From the opening of the game until the final whistle neither side gave way to the other. Only at the start of the second half when the varsity dropped baskets in from all angles were the alumni unable to cope with Tech strategy. The game was more closely played than the score indicated. A mistake in time forced the game into an extra quarter, however, since little was at stake no protest was offered.

Late in the game, after a concentrated attack on the varsity goal Bill Downes' knee gave way and forced him from the game. Other the hard playing of the teams.

Changes Line-Up At half-time Coach Krafft of what was going on. changed his line-up by placing his second team on the floor. Rossing ties to score on free throws, but the varsity plenty to think about. distinguished himself during this period by counting five baskets. Alumni scoring was confined mostly to Schumacher and Downes who were able to work through the close guarding of Rutkowski and Gustafson.

After the game the Honor "A" Initiation Banquet was held at the New Southern Hotel. Twenty-five Alumni, active members, and pledges attended.

LINE-UP

Alumni—18		
B	$\mathbf{FT}$	PI
Schumacher, R. F 2	2	
Downes, L. F 2	1	
Kuffel, C 1	1	,
Hofer, R. G 1	0	
Manz, L. G 0	2	
	<del></del>	-
Totals 6	6	1
Varsity—44		
B	FT	$\mathbf{P}$
Robin, R. F 3	0	
Miran, L. F 2	3	
Rossing, C 5	2	
Gustafson, R. G 3	0	
Rutkowski, L. G 1	2	
Ott, L. F 3	0	
Lind, R. F 1	1	
Beemsterboer, C 0	0	
Kukulski, L. G 0	0	
Omiecmski, L. F 0	0	
Moskowitz, R. G 0	0	
Totals	8	

#### Ice Hockey Team to Practice Saturdays

All men who are interested in playing on an ice hockey team are urged to be present at a meeting to ule. be held on Friday, December 19. The purpose of this meeting is

to make arrangements for an intensive practice schedule during the Christmas holidays.

very little practice, due to the inclement weather. The men, however, are very anxious to get on the ice, and some have been putting in Stadium.

have agreed to let the team prac- anced quintet. tice on the Midway Ice Hockey nights from 8:00 to 10:00.

keteers were on the short end of the alumni 44-18 at the Eighth the score last Thursday night when for in the two games played the Coach Krafft started his first at the Eighth Regiment Armory by victories against the opposition.

> The first quarter had some good basketball to offer in fact, the op-Armour attack. However, had there been no fouls, no score would have been made, since three points mentioned having been scored on free tosses.

#### Leads at Half

During the first half the Krafft men succeeded in making six goals, Robin, Lind and Rossing sharing these equally.

The visitors, on the other hand, fell behind and at the end of the half had scored two goals shots, while five points out of ten possi-

mour's favor when the whistle blew | teams was lacking in their attack for the half.

#### Beemsterboer Stars

uneventful, the visitors apparently ing out of training prevented a being resigned to their fate by this time. Beemsterboer and Gustafson broke through time and again with the guard positions and clearly ilfruitful results.

casualties were largely caused by for the second half, having of fouls were recorded, due mainly scratched the opponents for seven to the effort in reaching the ball points before they were fully aware and not to intentional dirty work.

these evidently went wide of their mark because only three out of a possible nine found the basket.

> LINE-UP Armour-31

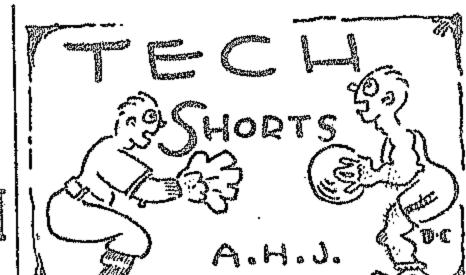
Į		В	F.1.	Pi
1	Robin, R. F	. 3	1	
`    -	Ott, R. F		0	١
1	Miran, L. F		1	
	Lind, L. F	. 2	0	
╽╽	Rossing, C		3	
İ	Beemsterboer, C		1	
Į	Gustafson, R. G	. 1	0	
	Moskovitz, R. G		0	
<b>'</b>	Rutkowski, L. G	. 0	1	
	Kukulski, L. G	. 0	0	
[ ]				
}	Totals	12	7	1
3	Chicago Tecl	113		
3		$\mathbf{B}$	FT	P
_	Casme, R. F.	. 1	2	
1	Tchelebian, R. F	0	0	
	Beckering, L. F	. 0	1	
41	Mal, L. F	. 0	1	
0	Knowlton, C	. 0	1	
0	Schebel, C		1	
0	Dietz, L. G	0	0	
0	Schoneger, L. G	0	0	
3	Cezar, R. G	0	1	
0	Scherer, R. G	0	0	
2			******	-
0	Totals	3	7	;
0				
0				

## OPhi Pi Phi Seeks Thirteenth Title

fraternity teams will complete their swimming squads in past seasons, preliminary rounds leaving only is to the effect that the high calithe championship battle on sched-ber of the Tech splashers warrants

Triangles while Beta Psi meets Phi Ten Conference could offer. Kappa Sigma to complete the card for December 16. The Triangles by that tentative arrangements for virtue of their 24-11 triumph over meets with Purdue, Wisconsin, and Up to date, the team has had the Theta X, are conceded the Michigan, have been discussed. edge over their opponents. Beta Meets such as these will present an Psi's chances of overcoming the Phi opportunity for the Tech mermen Kappa Sigma appear favorable to display their wares, which The Beta Psi, have not as yet en-should help considerably toward some of their time skating at the tered into competition, as they elevating Armour's athletic status. drew a bye in the first round, but | The season is to be opened with The South Park Commissioners they promise to offer a well bal- Hyde Park Y. M. C. A. on Thursday

Rink on Saturday afternoons from the respective games played on the Park squad by two points, and will 2:00 to 4:00 and on Wednesday preceding day will meet the Phi be gunning for a more decisive vic-Pi Phi's and Sigma Kappa Delta. | tory.



#### Lots of Basketball

week, four in the Armour gymgratifying to the undergraduates

#### Slips and Slides

In the game with the alumni, played last Tuesday, the regular squad totaled 44 markers against 18 for the former Tech stars. The game opened with a furious alumni attack that literally swept the varsity off their feet. To think of the varsity being swept off their feet after being equipped with Spaulding non-skid basketball shoes is simply terrible. However, the gang began to click and the score mounted to 18 to 9 at the half. Of course the varsity had the 18

#### Out-Starred

As a team of individual stars the alumni out-starred the varsity ble ones were made on free throws. about five to one. Team work, es-The score stood at 16-9 in Ar-sential to successful basketball which accounted for the high score against them. Kuffel, Downes and Schumacher played a fine floor The second half was more or less | game but lack of practice and beconcentrated attack at all times. John Manz and Vic Hofer played in lustrated how the game was played The former was high point man in the old school. A large number We believe that with several weeks Tech had numerous opportuni- of practice, the alumni could give

#### Five Equal One

Anyway the game was played in five periods of ten minutes each, a condition which was caused largely by our efforts. For further details see your correspondent.

Take a Peek Looking into the calendar for this week we find that Tech meets Wheaton College on Tuesday and Western State Normal on Friday. Both games are scheduled for 4:30 p. m., at the Armory. Admission is free to Armour students.

#### Swimming and Boxing

Swimming has its first meet on 13 Thursday, when the Hyde Park Y. M. C. A. is engaged at the Y PF pool at 8:00 p. m.

Boxing too has its first meet of the season on Friday at the West 3 Side Y. M. C. A. Captain Ustryski 0 tells us his team is in tip top shape, I and should open the season with a 3 victory.

Interfraternity basketball has become too complicated for us, 2 therefore we refer you to the adjacent columns for the latest happenings in this sport.

# Mermen to Meet Big Ten Schools

The concensus of opinion, insti-On December 16 and 17 Armour's gated by the fine showing of the engagements with stiffer competi-Rho Delta Rho encounters the tion such as, for instance, the Big

Manager Davidson announces

evening, at 8 P. M. In a previous On December 17 the winners of meet Tech fish nosed out the Hyde

## Fratemities End First Four

Games of Cage Tournament

Four of Armour's fraternities | Phi Kappa Sigma opened the anmixed in two games last Friday nual inter-fraternity basketball night to complete the second half | competition last Thursday by deof the first round of the inter-fra- feating Sigma Alpha Mu, 23-6. The ternity championship. The Phi Pi game started slow with both teams Men Phis emerged victorious over the trying for openings. Delta Tau Delta by a 13-9 score.

Basketball and more basketball ponents was featured by Lind's ex- the Phi Kaps the lead, which they seems to be the keynote of athlet- | pert markmanship. His volley of | held throughout the game. Anderics these past few weeks. Just shots accounted for 13 of the 24 son was the star player of their think, six games were played last points. At the end of the first half | team, sinking five baskets, three in the score was one sided making the third quarter and two in the nasium and two at the Eighth things appear as though the Tri- fourth. Edelman made all three Regiment Armory. The results of angles would pile up a much larger baskets for the Sigma Alpha Mu Chicago Technical College bas- the varsity encounters were highly score. The Theta Xi, however, re- team. The second half was played will lead his hard hitting warriors taliated in the second half and much faster but most of the shots into the vicinity of the West Side placed themselves on a level with failed to fall in the hoop. they fell before the Armour attack varsity squad ran up high score the Triangles. The 12-3 lead, however, was too large to overcome.

The Phi Pi Phi victory, although fully expected was not easily attained. Both teams were evenly matched and both experienced about an even number of scoring changes. Gisske's long shots, together with Carlson's five point contribution enabled last year's champions to remain in the race. Phi Pi Phi—13

l		В.	$\mathbf{F}.\mathbf{T}.$	P
	MacLennan, r.f	0	0	4
ł	Anderson, r.f		0	
Ì	Carlson, l.f		1	
١	Leichtenberg, c		0	1
İ	Mead, l.g		0	
1	Gisske, r.g		0	
l	Erland, r.g		0	
	, <u>-</u>	<del></del>	-	-
		6	1	1
	1			
	Delta Tau Delt	ta	9	
	Delta Tau Delt	а— В.	9 F.T.	I
		B.		I
	Pearson, l.f	В. 0	F.T.	I
	Pearson, l.f	B. 0	F.T. 0	I
	Pearson, l.f	B. . 0 . 1	F.T. 0 1	I
	Pearson, l.f	B. . 0 . 1 . 1	F.T. 0 1 0	I
	Pearson, l.f	B. 0 1 1 0 1	F.T. 0 1 0 2	I
	Pearson, l.f	B. 0 1 1 0 1	F.T. 0 1 0 2 0	I

Jacobson sank a basket shortly Triangles' victory over their op- after the start of the game to give

In the second game, Sigma Kapsuccession.

the second and third quarters. Goldman led the Kappa Delta Tau players with four baskets.

Sigma Kappa Delta-35

2	ES.	M.T.	1
3	Stehno, l.g 2	1	
1	Kutteruf, r.g 1	0	
2	Landwer, c 0	0	
3	Yuknis, l.f10	0	
1	Reed, r.f 4	0	
1	Krause, l.g 0	0	
	<u> </u>		-
13	17	1	
	Kappa Delta Tau-	-16	
₽. ˈ	<b>B.</b>	F.T.	
1	Rosenfeld, l.g 0	0	
4	Tuchinsky, r.g 0	1	
0	Field, c 2	1	
0	Goldman, l.f 4	0	
0	Holland, r.f 1	0	
2	Portnoy, r.f 0	0	
<del></del>			•

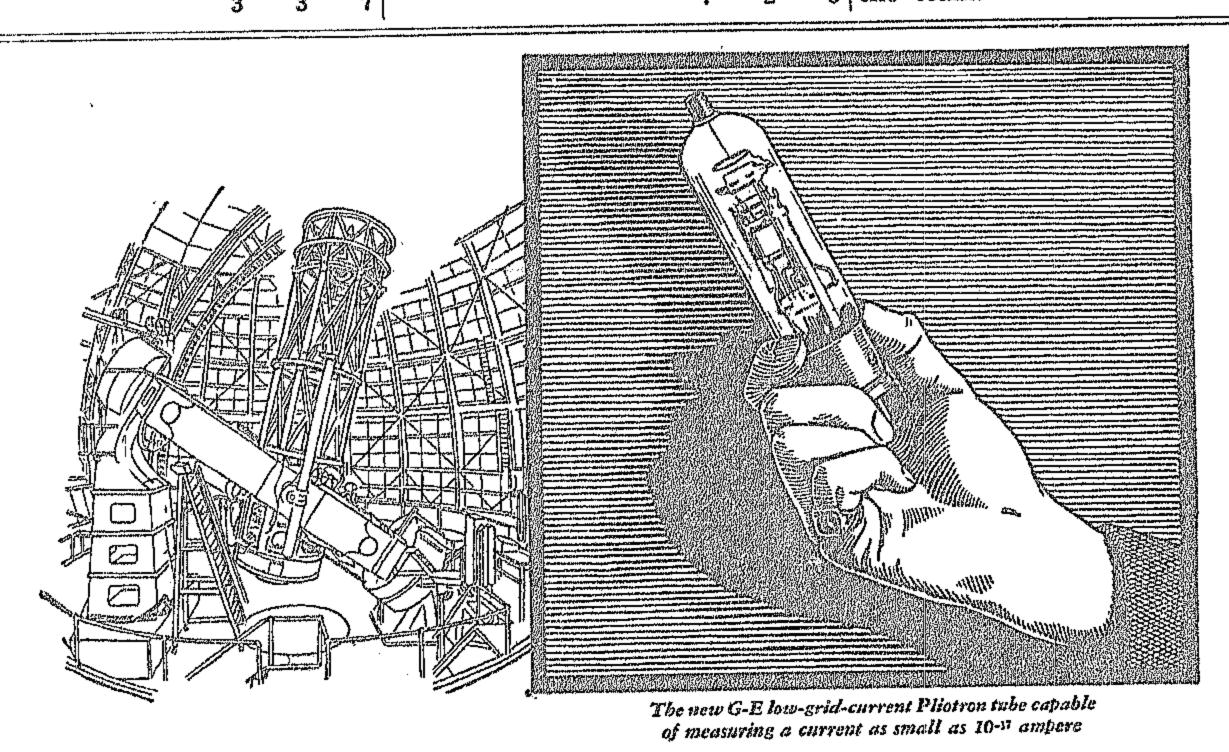
# TECH PUGS FIGHT ON CHARITY CARD AT WEST SIDE "Y"

Training Hard for First Real Test of Season

#### PLAN OTHER MEETS

Armour Tech will contribute its bit toward charity, on the evening of Dec. 19, when Coach Weissman Y. M. C. A., where they will tangle in a series of boxing bouts, the repa Delta defeated Kappa Delta ceipts from which will be utilized Tau, 35-16, presenting a fast, by the Kiwanis Club for charitable snappy attack. Yuknis started the purposes. The affray promises scoring by sinking two baskets in plenty of action as the West Side aggregation has acquired the repu-Yuknis was the outstanding play- tation of being a well balanced. er, sinking ten baskets, six in the scrappy squad. This fight will first quarter, and two in each of serve as an example of the mettle of the Tech pugs this season as it will be their first baptism under fire. Although only a short time is alloted our boxers for conditioning, p each and every man has extended o himself to the limit in order to be o able to give a good account of himself in actual battle.

Coach Weissman states that these men will be the probable contestants: Larkin, 160; Nelson, 155; Campione, 155; Captain Ustryski, 2 150; Kruchten, 135; Sandstrom, 125: Montesano, 114, and Donelly, P. 112. With the exception of Kruch-0 ten, these men have all seen ac-2 tion. Kruchten, although a begin-2 ner, has shown a willingness and interest and bids well to develop into a first class light-weight. 0 Those who find it at all possible are urged to come out and support 6 the team.



# This Little Tube Measures Stars Centuries of Light Years Distant

GQY MEANS of a new vacuum tube called a low-grid-current Pliotron tube, astronomers can gather the facts of stellar news with greater speed and accuracy. In conjunction with a photoelectric tube, it will help render information on the amount of light radiation and position of stars centuries of light years away. It is further applicable to such laboratory uses as demand the most delicate measurement of electric current.

So sensitive is this tube, that it can measure 0.000,000,000,000,000,001 of an ampere, or, one-hundredth of a millionth of a billionth of an ampere. This amount of current, compared with that of a 50-watt incandescent lamp, is as two drops of water compared with the entire volume of water spilled over Niagara Falls in a year.

General Electric leadership in the development of vacuum tubes has largely been maintained by college-trained men, just as college-trained men are largely responsible for the impressive progress made by General Electric in other fields of research and engineering.

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