



## SIDELINES

By LEROY BECKMAN

**JAMES ROLPH**, governor of California, has been the subject of many discussions recently because of his tolerant views on the recent lynching in that state. Naturally, when any man defies routine created by law in favor of popular opinion, there is bound to be comment.

**KIDNAPPING**, the occupation of the more common species of swine, has been conducted "successfully" for quite some time. In fact, for too long a time. One of its applications was in the state of California. An accomplished business man is taken for ransom. He is murdered by his abductors. The abductors emphasize a cowardly trait by surrendering at an early stage of the "game." They confess their guilt. Evidence is gathered. They are booked for trial—eventually.

**THAT'S THE TROUBLE!** If "eventually" were omitted in the administration of justice and a little more "why not now?" attitude taken, it wouldn't be necessary for the governor of a state to say, "It will teach them a lesson," as a gesture in favor of unruly, mob-rule. The public in general, and the people of California in particular, have reached a stage where they cannot tolerate indifference in the administration of justice.

**UNFORTUNATELY**, we are forced to admit that the people of California made a mistake. They tackled the situation from the wrong end. Government with law enforcement is established by the people, for the people. Therefore, to that government only, should be entrusted the duties and responsibilities vested in it. Where a fallacy exists as it does in the judiciary, a remedy should be inserted—but properly directed.

**PRESIDENT ROOSEVELT** stated just recently in reference to lynch law, "We know that it is murder, and a deliberate and definite disobedience of the commandment, 'Thou Shalt Not Kill.' We do not excuse those in high places or in low who condone lynch law." Instead of the notion, murder for murder, which exists in the minds of the people, there should be a practice of preachings. Exemplification in the proper form is far more powerful than the observance of an adopted creed of a few.

**FURTHERMORE**, in addition to his condemnation of past episodes, President Roosevelt said, "The judicial function of government is the protection of the individual and of the community through quick and certain justice. That function in many places has fallen into a state of disrepair. It must be a part of our program to re-establish it."

**LET'S DO OUR PART.** We can by refusing to cater to the "shyster" lawyers. There are too many of them. They convey the impression that crime pays, a point that proves quite discouraging to the man of legitimate practice. As long as these parasites exist, they will continue to postpone judiciary action.

## Freeman Addresses Freshmen Students

Professor Freeman of the Electrical Engineering department gave the freshman engineers an illustrated lecture dealing with the electrical engineering profession and covered all branches of the field that the electrical engineer comes in contact with. To clarify some phases of the work, motion pictures were shown featuring the operation of the vacuum tube, light and its origin, and a sketch of the activities of General Electric student engineers.

This was the second section of freshmen to hear this lecture; the last section and final lecture will be held Saturday.

## Senior Informal a Happy Memory

Last Friday night in the Gold Room of the Congress Hotel, the 1933-34 social season received a pleasant impulse. The event was the annual Senior Informal at which a crowd of approximately two hundred couples had all expectations for a successful dance fulfilled. They spent a very enjoyable evening dancing to the rhythmic music of George Devron and his orchestra.

One of the pleasant surprises of the evening was the beautiful dance program which each couple received. It consisted of a red leather cover with gold tassel and Armour Tech printed on the front. Inside were red, gold, and black pages. It made a lovely souvenir of the occasion.

**Faculty Represented**  
Dean and Mrs. Heald and Professors Ens, Swineford, and Winston and their wives were the chaperones for the affair but they did not seem to be missing any of the evening's enjoyment.

When the guests tired of dancing there were three spacious lounges where they could rest. Around the side of the dance floor tables were arranged and punch was served.

An enjoyable time was had by all and the only part of the evening that was not welcomed was when the clock indicated the hour of one, when all departed.

**Make Poster Awards**  
The winners of the poster contest, as announced by social co-chairman McDonald are: Malcolm Forsyth who received the first prize of one bid, and Eugene Wasserman and Arthur Wobig who tied for second place and each received half a bid. These posters were all so well done that the choice was made very difficult, and the winners were chosen only after much deliberation.

## Wanted: Capable Man for Bulletin Director

On the wall, above the drinking fountain in the basement of the main building of Armour Institute of Technology, there hangs a bulletin board, ordinarily unobserved by the eagle eyes of a brilliant Armour student body. The aforesaid board was instituted in September, 1932 by an erstwhile, ambitious junior electrical for the expressed and altruistic purpose of providing a means of exchange of used books of all description and variety among the above mentioned student body.

Since the aforesaid director is about to be thrust by the school authorities upon the cruel, cold world, as is the way with all seniors, it is timely and fitting that some successor be found to take his place. Consensus of an impartial group of students showed that the present advertising scheme upon this bulletin board was excellent, but alas and alack, there were no applicants for the said position.

The director sits rather dejectedly but hopefully awaiting results of the remarkable advertisement, which has been spoken of before, but has not as yet brought results.

## Pi Nu Epsilon Takes Eight New Members

Eight outstanding men of the orchestra and Glee Club were initiated into Pi Nu Epsilon, honorary musical fraternity, Thursday evening. After the initiation the members attended a performance of Smetana's opera, "The Bartered Bride." The initiates are: Charles A. Cunningham, Ronald P. Dobson, Raymond A. Fleissner, Alexander Kulpak, J. Russel Lang, Walter H. Sobel, Harvey A. Williams and Stanley G. Viktora.

It is with deep regret that we are informed of the death of Archie J. Evans, former Armour student and star athlete. During his stay at Armour he made many friends both in the classroom and on the athletic field. Archie, as a flying cadet in the U. S. Army, was killed in a plane crash on Friday, November 24th, at Somerset, Texas.

## SENIOR JACKET MEASUREMENTS THIS AFTERNOON

Announcements Are Modernistic in Design  
VARIETY IN RINGS

Taking as their model none less than the President himself, three senior committees have brought about a new deal in the jackets, jewelry and announcements with which the class of 1934 will respectively array, bedeck and present itself.

**Jackets on Display**  
The new jackets made their appearance on Thursday, and their striking appearance brought immediate praise to the work of the committee, headed by S. M. Lillis. With the red piping on sleeves and pockets, and the red-bordered yellow chenille letters standing out from the black of the jacket, the new apparel is a credit to the wearer. Fittings were made Friday and Monday, but facilities for measuring are being extended until this afternoon. Measurements will be taken in the electrical laboratory on the second floor of the Main building from one to two o'clock. Jackets ordered now will be delivered before the Christmas holidays. The cost is \$4.75, with a down payment of at least \$2.00.

**Choice of Rings Available**  
J. Bacci, chairman of the jewelry committee announces that his plans to unite the three upper classes in graduation jewelry has succeeded. The class of 1934 has chosen the design, which, if satisfactory to the classes of '35 and '36, will be used during the next two years, also. A "gentleman's agreement" has been made with Spies Brothers jewelry concern to that effect, and has resulted in a promise of price reduction to cooperating classes.

Earnest work by the Spies artist has resulted in the creation of a fine ring. It is of the military type with an oval stone. Around the stone is engraved "Armour Institute of Technology." Each ring shall be engraved with the owner's name, his date of graduation, and the symbol of his department. The rings are in yellow or green gold, an alloy of gold and silver, or pure silver. The standard stones are the onyx and sardonyx, but the spinelle, garnet and ruby are available at a small difference in price.

**Plan Simple Announcements**  
Senior announcements next year will typify the spirit of the times. Supplanting the old, staid type which has been used heretofore, the com-

## "The Shepherds Play" to be First Presentation of Armour Players

A modern revision of one of the oldest English comedies known will be presented by the Armour Players at 10:30 Friday morning in the assembly hall. The play which is called "The Shepherds Play," will be characterized by the unique type of scenery and lighting employed.

The cast for this play, the first to be put on this season by the Armour Players, is as follows: First Shepherd, Carl L. Shermer; Second Shepherd, Sydney Miner; Third Shepherd, John Graf Jr.; Max, Sidney Kreiman; and Gill, William Emerich. The glee club members will furnish a musical background, and Theodore Wallschaeger will accompany them at the organ.

The slapstick humor and the action of the original have been preserved by Professor Hendricks, who wrote the play in modern language, to make it intelligible to the audience. The first presentation of the play was made in the fifteenth century, about 200 years before Shakespeare, in northern England as a part of the Townley cycle of miracle plays. The play was formerly given in

## S.P.E.E. Publishes Talk by Hotchkiss

"Engineering Education as an Approach to Culture", an address by President Willard E. Hotchkiss of Armour Institute, appears as a leading article in the current issue of the Journal of Engineering Education, official publication of the Society for the Promotion of Engineering Education. The address was first presented to the fortieth anniversary meeting of the society at the Stevens Hotel in Chicago last June. Armour Institute was host to the society at this meeting, and the address by President Hotchkiss was one of the major events of a three day program.

**Misconception Exists**  
As it appears currently in the Journal, the article commences with a discussion of the common misconception of culture as something impractical and highfalutin', something—when thought of in connection with education—largely ornamental. To this concept Dr. Hotchkiss opposes his own, holding culture to be a development of personality, a discipline of the mind, a preparation for living and working in society. Engineering education, he points out, has been distinguished by keeping its feet on the ground throughout a generation of rapid change and expansion. By its rigid discipline and its

## Honorary Banquet Is to Be December 20

On Wednesday, December 20, the Inter-honorary banquet will be held at the Medinah Athletic Club. Those eligible for attendance at the banquet are the actives and pledges of the honorary fraternities which consist of the departmental fraternities, honorary musical and literary fraternities, and Tau Beta Pi, honorary engineering fraternity. The speakers for the evening have not as yet been definitely engaged.

The Inter-honorary Fraternity Council is also considering arrangements for the dance which is to be held sometime next spring.

## Tech Rifle Club Wins First Tilt of Season

Last Tuesday, December 5, marked the first match of a three match series between the Armour Rifle Club and the Humboldt Park Rifle Club. The match was the first of this year's series and was won by Armour by a twenty-one point lead.

There will be two more matches with the Humboldt Park Club, one of which will be held indoors on a 75 foot range and the other on an outdoor range of fifty to one hundred yards.

## TECH QUINTET MAKES IT TWO IN A ROW WITH VICTORY OVER MAROONS; NAPERVILLE NEXT!

Fighting Techawk Team Stays a Last Half Rally of Chicago and Wins Game in Closing Minutes With Fast Finish

## POINT FOR NORTH CENTRAL GAME WEDNESDAY

## English Teachers Hold Conventon

Professor W. Hendricks, head of the department of English, attended the meeting of the National Council of Teachers of English at Detroit which was in session Nov. 30, Dec. 1, and Dec. 2. Many prominent professors of leading universities and popular authors attended the twenty-third annual meeting of that society to discuss "Recent Experiences and Experiments in Teaching English."

After listening to many interesting speakers on various methods of teaching, the first day, and having a gala luncheon, the second, Professor Hendricks joined his group, the Committee on College Reading to discuss further plans on the "Students Guide to Good Reading," the third day. Atwood H. Townsend of New York City, the president of that committee, greeted the twenty or so members after which discussion for the various forms of the new pamphlet began. The following arrangement was decided on: next year, the Student Guide is to be reprinted essentially as is, with only minor changes. But, the year following, the Guide is to be enlarged and redesigned for about a five year period. A rearrangement of sections will be made, and the book will contain a thousand titles of interesting and educational books. The new Guide will also have more student participation in the review descriptions of the books.

## Professor Finnegan Speaks in Milwaukee

"Fighting Fires with Chemicals," was the subject which Professor Finnegan, head of the department of Fire Protection Engineering, spoke on at the 1933 Fire Prevention School held at Milwaukee, Wis. He spoke on Tuesday evening, November 28, the first meeting of the school, which is held on four succeeding Tuesdays, ending with December 19. About a thousand persons were in attendance.

This Fire Prevention School is held annually for all interested employees of Milwaukee industries including watchmen, fire inspectors, safety committees, and others designated by employers. Its object is to provide practical instruction in fire prevention through the media of addresses, films, and actual demonstrations.

Each Tuesday evening a different speaker gives a talk on a certain phase of fire prevention. Along with films and demonstrations, many of the important parts of the field are covered.

## Tech Musical Clubs Plan Home Concert

The Armour Tech Musical Clubs will present a home concert on Thursday, December 21st, at 10:30 a. m. in the assembly hall. Parents and friends of Armour men are cordially invited to attend. This will be the usual Christmas program and the second major concert of the season.

The program will consist of many of the number—the clubs will present at the Kankakee High School, besides many new numbers. In addition to choral and orchestral selections, a few solos will be given. This concert promises to be very interesting and enjoyable and everyone is urged to attend.

By Richard Armsbury

Despite a propensity of the Maroon and white clad basketball team of the University of Chicago to fouling, the Armour Tech basketball team and the aforesaid maroon team engaged in an interesting battle on the basketball court last Saturday evening in the University of Chicago Fieldhouse. The result as probably most of the rooters for the Armour Techawk know by now was Armour Tech, 27 and Chicago, 22.

**Armour Wins on Free Throws**  
There didn't seem to be any particular reason for the Chicago team to be as promiscuous with the use of their hands as they were; but, they were, and in that fact lies the story of an Armour Tech victory. The summary of the game shows that Chicago committed 22 breaches of the rules of the game while Armour had 11 charged against them. The Techawks took advantage of their opportunities at the free throw line, and led by Gene Heike, who made eight points out of eleven chances in this manner, made fifteen points of their total from the charity line.

**Ray Pflum Plays**  
Another feature of the game as far as Armour basketball fans are concerned was the fact that Captain Ray Pflum played the entire game. Although Ray's eye for the basket appeared to be erratic, it was his leadership throughout the game and his sparkling floor play in the final minutes which also helped supply that margin between victory and defeat.

**Starting Lineups**  
Coach Krafft used as his starting lineup, Heike and Christoph at the forward posts, Al Lauchiskis at center, and Pflum and Warner at the guard positions. Al Lauchiskis and Ray Pflum were the only men who played every minute of the game. Neils Norgren coach of the Chicago squad started the game with Eldred and Dorsey at forwards, Peterson, center, and Kaplan and Wegner as guards. Of these five, Peterson and Wegner played consistently good basketball and caused the Engineers no end of trouble.

**Armour Jumps Into Lead**  
It fell to the lot of Chicago to score the first point of the game

## Armour Musicians to Make Kankakee Trip

Next Friday at one o'clock, the Armour Tech Glee Club and Orchestra will leave for Kankakee, Illinois, where they will give their first out-of-town concert of the season. Close to one hundred men are expected to make the trip, about sixty from the glee club and forty from the orchestra. Special buses have been chartered for the occasion, but some of the men will go in their own cars. A capacity crowd of at least twelve hundred people is expected to attend the concert which will be held in the school auditorium. The Alumni association of the Kankakee High School under whose auspices the concert is being given, has arranged an enjoyable afternoon and evening for the Armour men. Plans are being formulated for a sightseeing tour of the city in the afternoon, and a banquet and dance in the evening. In addition to the regular orchestral and choral numbers, several solos will be featured. The soloists will include M. Nystrom, A. Kulpak, W. Kraemer, and R. Lowery.

# Armour Tech News

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## The Students Should Be Informed

There are several rumors circulating that the school is going to move. The professors have all received a letter giving them a small idea of developments but the students have been told nothing. We have found out the administration is studying every possible method of improving the school but no actual plan to move has been decided upon.

The main thing that interests the students is the possibility of moving the school. At first thought all are heartily in favor of the move to "anywhere else but here." But after a little consideration qualifications and exceptions spring up. It finally comes out that most are eager to move if the move means a campus and new buildings. But they are afraid that the move means a building in the loop and final degeneration to a "business college" or adult school, where greater attention is given to the night school than the day school; where a person comes to take in his spare time some one or two subjects which will help him in his work. With the shortening of working hours comes a real need for the adult school in metropolitan districts but the students need have no fear that Armour's will be of any more than secondary importance.

If any plan to radically change the school is decided upon the opinion of the students should be obtained before the final decision is reached. The school belongs more to the students than to the Board of Trustees and the students should be considered first in any plan of development.

## For Future Pep Meetings

Armour's commodious lunch room has been suggested as a site for coming pep meetings in preference to Assembly Hall, which is so large that the small group of cheering Techawks seems lost in its vastness.

The brightness of the lunch room's colors would lend a new life to the meetings while the students might recline at the tables playing cards or eating as they joined in the festivities.

Professor Schommer has announced his willingness to deliver speeches from atop the serving counter, remarking that such a procedure would tend to enliven things. The serving of beer, however, has been condemned by the Deans, so this source of gaiety will not be available.

At the last pep meeting so many students mistook the crowd in the lunch room for the pep meeting that only a few reached Assembly Hall. Because of the above condition, the News has deemed it advisable to recommend that future pep assemblies be held in the Student Union.

## "The Slipstick"

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

Back again, work again, play again, slide again, behind again, dig again, in order that we may smile again. And so it goes. But just the same we're all glad to hop right into the old schedule and keep knocking them off until Christmas comes along. For the time being let's hop into some assorted and diversified humor (?) just in case you have something important to think about at the moment.

Medical Prof.: "Substances which affect or neutralize the effects of certain poisons are called what?"  
Student: "Chasers!"

Boss: "Thanks for staying overtime."  
Stenog: "Don't mention it. The fervor was all mine."

Engineer: "How did you find things over in India?"  
Traveler: "Fine and Gandhi."

An owl isn't really wise; he just keeps his mouth shut and looks knowing.

E. E.: "What makes you think my head is made of cork?"  
M. E.: "It always seems to be at the neck of a bottle."

### THE CIVIL ENGINEER

He's a chap in spotless khaki  
He's a chap in corduroys,  
He's a chap with trousers damaged in the rear  
He's a man of fashion's stamp  
(also a rag-a-muffin tramp),  
And he's known from York to Frisco  
As the Civil Engineer.

His morals may be shady  
And his language somewhat rough,  
He may have a vulgar hankering after beer,  
But that's just a sort of shell.  
He will stick with you through H...I  
Like a pretty decent fellow,  
Like a Civil Engineer.

—California Engineer.

First Med. Student: "I'm going to be a surgeon."  
Second Med. Student: "Not for me. Too much inside work."

Prof. Ensz: "D'Alba are you real busy?"  
Louie: "Yes sir, very."  
Prof. Ensz: "You don't look it. What are you doing?"  
Louie: "Trying to make a discovery."  
Prof. Ensz: "What is it?"  
L. D'Alba: "How long a fellow can rest before you notice him."

Chem. Prof.: "Define effervescence."  
Stude: "Oh, it's a foaming, bubbling ...."  
Prof.: "No, that's beer."

He: "I haven't the cheek to kiss you."  
She: "Use mine."

Electricity Prof.: "Never touch any live wires with your hands."  
Brightie: "Oh, I see, everything sanitary."

He: "You are the sole aim of my life."  
She: "You'll never score a hit if you don't get closer to the target."

Breathes there a man with soul so dead,  
Who never to himself hath said,  
As he bumped his toe against the bed,  
"!!!! ???? \* \* \* [ ] ?"

Suman: "What makes that red mark on your nose?"  
Woodsmall: "Glasses."  
Suman: "Glasses of what?"

"Have you ever been through Calculus?" inquired the prof.  
"Not unless I passed through at night," replied the frosh, "I'm from Kansas, you know."

First Frosh: "I just got a zero."  
Second Frosh: "That's nothing."  
First Frosh: "I know it."

Then there was the sweet young thing who thought that a battery charger was an artillery horse. And in the same breath we might mention the song of the unemployed deep sea fisherman, "Barracuda spare a dime?"

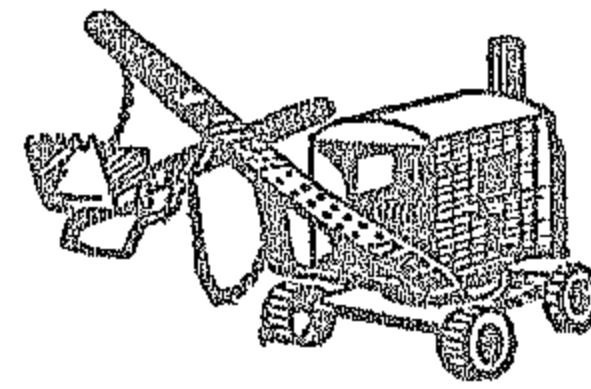
The contrib situation is very, very bad fellows, of course we don't need the dam things but it's the idea of appreciative readers, you know. How about a little note some time maybe?

Junkman: Any rope, paper, or old iron?  
Student (simply): I'm a college student.  
Junkman: My mistake. Any bottles?

"Were you cool during the battle?" asked the fair one of her hero.  
"Cool, did you say? Why I was so cool I was actually shivering," honestly, if not modestly, returned her hero.

See you anon. J. A. B.

## THE STEAM SHOVEL



The paper medal for the prize boner of the week goes to **SONNY WEISMANN**. **SONNY** timed the basketball game with George Williams College and only made the first half seven minutes too long! Sez we, "Lord, you made the half too long." If the fellow that wanted his ATAA money back—at the assembly Wednesday—will come to the News office, we'll have **Ray Pflum**, and **Coach Krafft**, and **Schommer**, and the News staff pitch in and pay him his dough. We'll call his bluff.

**DIAMOND DICKEY** desires a complete vindication (whatta word, whatta word). **DICKEY** admits writing only one of the poems in the last Slap Stick and further insists that the others were written sometime in the year 10 B. D. (**BEFORE DICKEY**).

Since **ROSIE LANG**—the Mechanical Girl—has gone to Switzerland, **CLAUDE** says that **VIC CAMSKY** no longer infests the Mechanical office. **VIC** misses his Swiss, etc. etc.

Pi Nu Epsilon celebrated their initiation by attending a current theater attraction—The Bartered Bride. The question is, however, where were Fleissner and Davidson during the third act of the play. (Incidentally, two usherettes were off duty at the time.) They claim that they were trying to buy back the "Bride" before it was too late.

**HERB KREISMAN** says, "There's nothing like washing down a Mech Lab lecture with some "good stuff." May we suggest garlic instead of chewing gum for dessert, Herb?"

**DANNY MULLANE** has masterminded the problem of the wolf and the doors in chem. lab. "Just take the doors off," sez **DAN**—and suits the action to the word. Anyone want to buy a door?

**George Olufsen** and "Tad" **Omicinski** have made their New Year's resolutions early. No more chair tilting in calc.—for a while, anyway.

## Arx News

There seems to be a decided atmosphere of charetting in Arx camp of late. Consequently "niggers" will be much in demand when the seniors veer off their current projects, "A City Plan."

Seniors also find their spare moments well filled with thoughts of steel, concrete, border designs, etc., etc.....Who said women?

Prof. A. C. **Wilmanns** gave his construction enthusiasts quite a treat last week by substituting for his classes a lecture by Mr. R. S. **Phillips** of the Portland Cement Association. Mr. Phillips' talk was illustrated with motion pictures.

Last Saturday was a big day for our class B archs. These juniors had made the most of their time and presented to the jury the best set of "Athletic Buildings" that ever were, or will be designed.

The sophs also considered that Saturday was their big day because their athletics buildings were NOT due.

Did you say . . . scotch rye and wines are in the air! Well, you're right as three peas in a pod. This terrible malady hasn't as yet affected **CORDES**, **PFENDT** and seven of their class mates, who received first mention, second mention and mentions, in these order, on their logias.

The highest award in form of mention commended was given to **EVANS** in a recent judgment of the "Entrance Way." Have you noticed, how he's "clicking"?

**Salitta**, **Phillips**, **Schmaltz**, **Kichavcn** and **Becher** rated on a recent frosh charcoal judgment. Seems they have **SPOTTED THE RIGHT CAST!**

And the basketball tournament is under full swing...may the best team win! Did I hear some one say the juniors have as good as won it?

## E. E. Soph Trouble

Ampere-turns given, determine the flux  
That is our problem, now isn't it nuts?  
Assume a flux Phi in the leg we call K,  
Then calculate B by dividing by A.  
Next we find H from plate 59,  
Which shows their relation by means of a line,  
Now multiply H by the length of the circuit;  
This gives the force that is needed to work it,  
The force that is needed to put Phi through K.  
So far so good, three cheers for the day!  
Now F in K equals F in J  
'Cause the two are in parallel, (that's what they say).  
So do the reverse of that done for K  
And wind-up with Phi, the flux in part J.  
Now adding Phi K that we found before  
To the Phi in part J, gives the flux in the core.  
From this we can find the force in part C,  
The force to produce the flux we called Phi.  
Now the force in part C plus the force in part J  
Should equal NI, if all is O. K.;  
But if it doesn't, there's one thing to do,  
Keep changing flux K until they check true.  
It's easy to guess—when the answer's in the book  
'Cause it's easy to sneak just one little look.  
And after we're finished and feel kind of blue  
We thank the good Lord, that at last we are through.

By E. J. Kirsch.

## A.I.E.E. Hear Two Speakers Friday

"The Manufacture and Use of Accurate Measuring Instruments" was the subject of a speech given before the A. I. E. E. last Friday. Mr. Emerick and Mr. Welch of the Leeds Northrup Company were the speakers. The meeting was called to order by President Lehmann and Richard Friede introduced the speakers.

Diagrams involving certain connections were used along with pictures to show typical laboratory set ups for calibration and measuring. Many illustrations were given of the layout and use—in steam generating stations, hydro electric plants, and similar power applications—of the apparatus designed for power work. An instrument designed to give temperature measurements of electrical apparatus was demonstrated. This instrument combines the principle of the thermo-couple and the potentiometer in accurate measuring instruments.

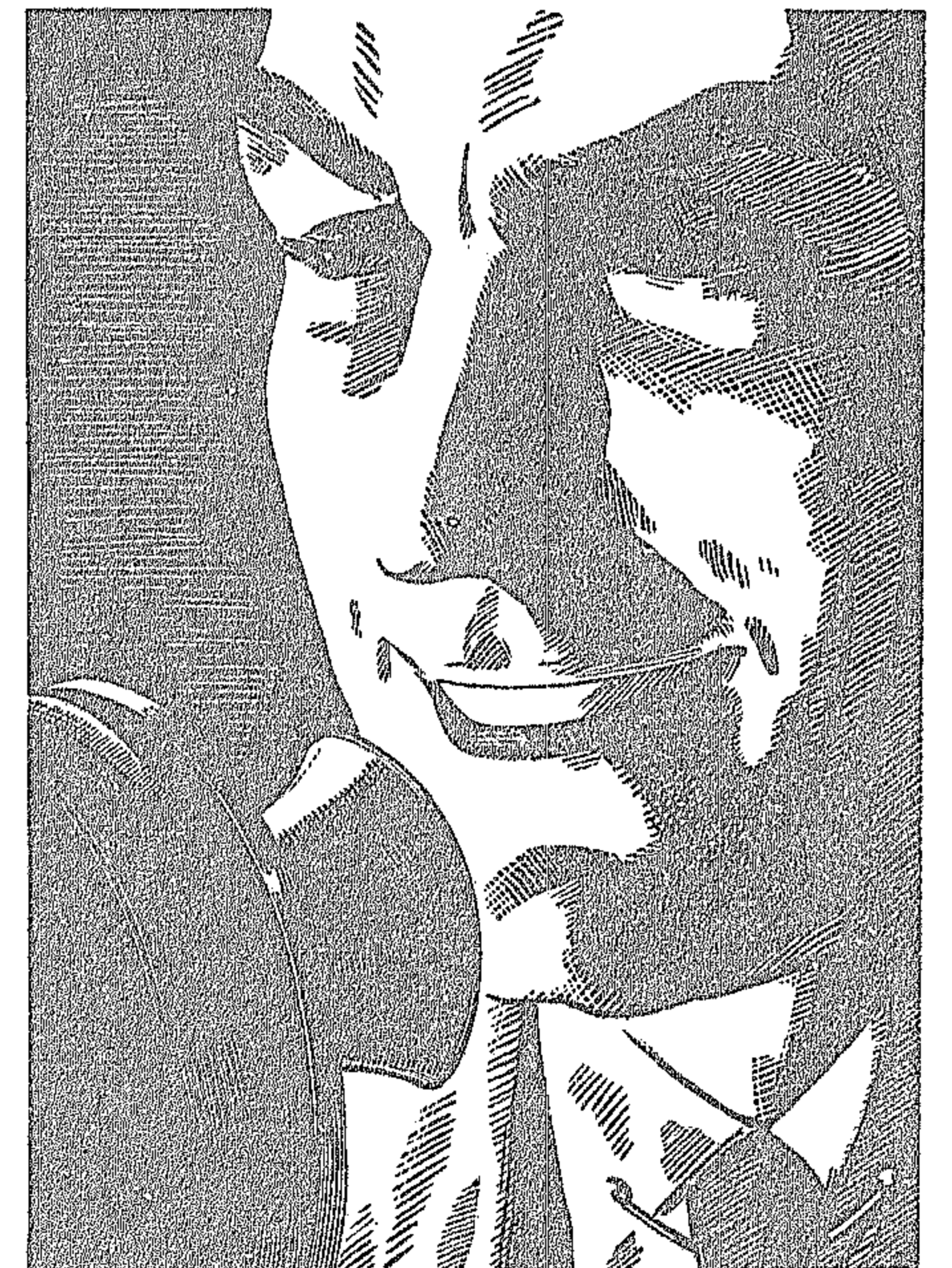
The talk was directly in line with the work in electrical engineering. The students were familiar with the principles involved, but the applications were new and unusual.

Plans are being perfected for three additional talks, probably to be held after the holidays. These will be about the very latest development in electronic applications.

Pictures from the A. I. E. E. smoker are on sale by J. Bard of the junior class.

## TRIGONOGRAPH

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## BELL SYSTEM



WHY NOT SAY "HELLO" TO MOTHER AND DAD?  
— RATES ARE LOWEST AFTER 8:30 P. M. —

OTHER CAMPUSES

These professors! A punctuality machine that flashes a cheerful "welcome" to prompt students and a sarcastic "late again" to those who are tardy has been invented by a professor at the University of British Columbia.

From Baylor University comes the story that a freshman tried to check out the "Book of Letters from Robert Browning to Isa Blagden" in the university library. The book is worth \$30,000.

The Colorado School of Mines has a ruling which prevents sophomores from paddling freshmen. Sophs get around the rule by making the frosh paddle themselves.

"There is nothing like strike to dodge examinations," say Chinese students. They have used it so often that administrations now take special care to see that there are no grounds for friction between faculty and students immediately preceding the examinations.

The Daily Californian reports a reportorial venture on the Alpha Tau Omega house there as follows: The frosh society reporter phoned the fraternity house for social news last night. A pledge answered and she asked him for the dope. The pledge called an upperclassman. The question was repeated. The upper-

classman called the house manager. The house manager didn't know, but he would call the house president. The house president hesitated. "Well," he said thoughtfully, "a few of the fellows are going to take baths Saturday night."

Coeds at Washington College, having been granted permission to smoke in classes, ambled into psychology class sporting corn-cob pipes. The professor ordered that all windows be kept tightly closed and in a short time the class fled. For where?

In the chemistry laboratory at Worcester Polytechnic Institute, a freshman is reported to have been searching through the solution bottles so despairingly that finally the instructor decided to offer assistance. "Something you can't find?"

The freshman pointed to his laboratory instructions. "This tap water, sir," he said, turning back to the shelf.

Because they violated all rules, and "general attitude" toward upperclassmen was "improper," freshmen at Washington State College have been deprived of the privilege to study in the library for the year.

Because of the increasing nuisance caused by skunks in the vicinity of State College, Pennsylvania, the State Game Commissioner has ruled that students may kill the animals without the necessity of a hunting license.

Students of Glasgow University in Scotland upset the whole of Great Britain recently by publishing a fictitious yarn concerning the crash of a trans-Atlantic aviatrix and then took up a collection for their charity fund when a crowd appeared at the scene of the supposed crash.

At a school for higher learning in Burma, the women's athletic instructors had to make the already inconvenient girl's sport attire longer and fuller because of criticism of the men.

Approximately thirty-five tons of coal are consumed every day at the Massachusetts Institute of Technology, and eighty gallons of water per man is used daily. The Institute has one thousand employees for twenty-six hundred students.

The sale of milk has been abandoned in the Haverford College cafeteria.

Ralph M. Johnson, a California student visiting universities of the world, includes in his notes submitted, the fact that going for a walk in the park is a good date and so considered by almost any European coed. Students with cars are rare.

A freshman at Kalamazoo College submitted the following within his theme paper: "The only sound that could be heard above the tumult of the storm was the noise of the sailors working on the wenches."

FAMOUS COLLEGE PROM DANCE BAND FEATURED ON NEW CAMEL PROGRAM

Glen Gray and his original Casa Loma Orchestra, a sensation among college crowds during the last three seasons, took to the air last Thursday, December 17, at 10 P. M., E. S. T., using an 83 station hook-up over the WABC-Columbian network for Camel cigarettes. The new program is known as the Camel Caravan, and will continue every Tuesday and Thursday at the same hour.

The Casa Loma Orchestra holds the record for the number of college dances for which it has furnished synopated rhythms. It has five times broken the Princeton tradition that dance orchestras appear on the campus only once.

Among 70 or more universities and colleges where the Casa Loma Orchestra has played are Yale, Penn, Penn State, Ohio State, Ohio, Cornell, Amherst, Michigan, Vassar, Lehigh, Colgate, Williams, Lafayette, Hamilton, Syracuse and Boston.

Featured with the Casa Loma Orchestra on the "Camel Caravan" will be the songs of Irene Taylor, the girl with the most vivid radio personality on the air today, and the harmonies of that engaging trio, the Do-Re-Mi Girls.

If a person wished to take every course offered by the University of Wisconsin, it would take him ninety-nine years to complete his education.

Fraternity Notes

PHI KAPPA SIGMA

A parents' reception was held at the chapter house last Sunday afternoon. Many of the fathers and mothers of the actives and pledges turned out for the get-together.

Thursday night marks the date of our semi-annual Phi Kap alumni smoker. As evidenced by the number of reply cards sent in, there will probably be a large gathering of Alpha Epsilon men for this reunion.

RHO DELTA RHO

The basketballers lost a tough game to the Delts by the score of 20-18. The last half rally almost got them there, but not quite. A miss is as good as a mile, so we'll have to wait until next year for another crack. Brother Ray Fineberg is working down in Texas at an oil field owned by his uncle, and reports that cowboys don't sing cowboy songs.

Preparations are going full steam ahead for the Christmas Eve party, December 24. The pledges are busy hunting for some of the mistletoe left over from last year's party.

BETA PSI

The chapter was pleasantly surprised last Monday morning to find a pool table in process of being set up in the club room. A little investigating disclosed that it was the

gift of the alumni. Since being assembled and leveled, it has had almost constant use.

The Mothers' Club held another meeting at the house last Tuesday at which plans were discussed for the box social to be held sometime in February. Light refreshments were served.

An eight piece orchestra has been engaged for the Christmas dance to be held Saturday, December 23. According to Sid DuSell, if he gets his date, the dance will be a success. Otherwise, not.

PHI PI PHI

Brother Anderson, who has been very ill has fully recovered and will be back in school next semester.

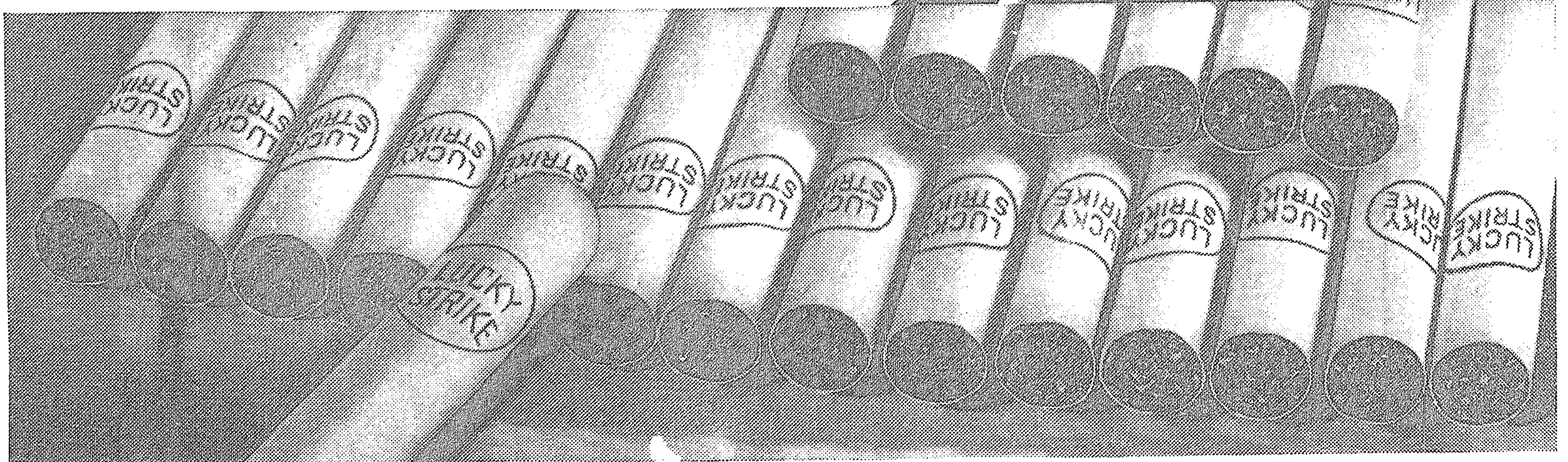
The house pool and billiard tournaments are now in the semi-finals and the pledges have turned out to be the "dark horses." Most of the brothers attended the DePaul prom last week and from the looks of things it was an Armour dance.

Brother Kuehn visited the house last week in official capacity. Billy Downs, former Techawk baseball captain also dropped in on us.

The House team was victorious over Beta Psi last week and hope to make this year our sixteenth consecutive title year.

At the University of California at Los Angeles, candidates for student offices have to be heavily guarded by police to protect them from being kidnapped by opposing forces.

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ALWAYS the finest tobaccos

ALWAYS the finest workmanship

ALWAYS Luckies please!

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### Egloff Speaks On Oil Well Drilling

Dr. Gustav Egloff spoke before the members of the A. S. M. E. at the meeting last Friday. He was acquired as a speaker largely through the efforts of Professor Roesch and R. W. Suman.

In his talk he discussed modern methods of locating oil used at present compared to wild cat methods used in the past. He pointed out that in modern drilling work the shaft is drilled perpendicular to the surface of the earth, while in the past many times the drill assumed a somewhat different direction which often caused disastrous results.

The oil industry requires the combined wits of a physicist, chemist and an engineer to cope with the variable problems of handling the oil from the well until it is presented on the market. In an industry where ninety billion dollars a year is at stake, a saving of a small fraction of one per cent is quite an item.

#### Large Field Open

Everything to be known in the refining of oil is not known at present and a large field is open for improvement of the various processes and operations. The field open in most cases includes only the improvement of particular operations or processes and not complete revision of the industry as has been the case in past years.

Refineries receive most of their crude oil from pipe lines leading direct from the oil fields, and a steady pressure is maintained by pumping stations at intervals along the line. The maintaining of a constant pressure along the line when the viscosity of the oil changes is a factor and was accomplished by the ingenious mind of an engineer who placed a pumping station on rail and moved this along the line so that the change of pressure was overcome.

#### Trying to Eliminate Losses

In the refining of crude oil into gasoline and its many products one tenth of the actual value of the crude oil is used in the process of refining, which is quite a large factor, and it is hoped this cost will be cut down in the near future.

Dr. Egloff outlined the fact that he interviewed many college men for positions and that a lack of keeping up in their respective branch of work was noticed by him. According to him, the engineer actually begins his studying when he graduates and that he must keep up with new methods of engineering and should not be discouraged if he does not get a position until a year after he graduates.

### Students at Columbia Revive Old Publication

Students in the Columbia School of Journalism under the direction of Dean Carl W. Ackerman, as editor, have begun publication of a bi-monthly newspaper, "The Independent Journal," copied in style and makeup from the paper of the same name which was published in the United States from 1783 to 1788 and became famous.

It was famous because it contained the column of editorials written by Alexander Hamilton, John Hay, and James Madison called "The Federalist."

#### Follow These Rules and Become an Expert Bridge Player

1. Pick up cards as dealt. You will be ready to bid ahead of the others.
2. When you have a poor hand, signal immediately by saying, "Who the heck dealt this mess?"
3. If you get a poor partner, keep score yourself; you've got to have some advantage.
4. Never hurry. Try several cards on a trick until you are sure which one looks best.
5. Occasionally ask what is trump. This will show you are interested in the game.
6. Trump your partner's ace — and cinch the trick.
7. Eat chocolate caramels or other adhesive candy while playing. It keeps the cards from skidding.
8. After the third round lay your hand on the table and claim the rest of the tricks; you may not have them, but it's much easier to play with all the cards on the table.

Elm Bark.

### Armour Quartet Is Feature of Banquet

An important part in the program given in conjunction with the annual banquet held by the West Side Bowling Club, was taken by the Armour Quartet last Saturday.

The members of the Armour Quartet who furnished the musical entertainment were Armand Hahn, Alexander Kulpak, Marshall Nyström, and Frederick Smith. Theodore Wallschlaeger was the accompanist.

A week ago today this Quartet gave a short musicale for the Mother's Club of the Beta Psi Fraternity at the Beta Psi house.

### New Slide Rule Called Trigonograph Devised

Many types of slide rules have been offered to the student but several advantages are claimed for a new one known as the Trigonograph. It consists of a triangle of paper or celluloid with a slide which rotates about one of the angles.

The new device is a function table as well as a calculator, for it gives values of trigonometric functions to three decimal places. A single setting determines all the functions of a triangle, and many applied mechanic's problems can be solved directly.

The Trigonograph is especially useful to a person studying trigonometry, as it gives a visual interpretation of various functions.

Denver University freshmen are forcibly ejected from all football and basketball games if they are discovered bringing dates with them.

Students in Switzerland get a double dose of exams. They must pass them at the beginning of the school year and again at the close.

### Mr. Henry Penn Addresses W. S. E.

Henry Penn, a brother of Dean Penn and a representative from the American Institute of Steel Construction was the interesting speaker at the W. S. E. meeting last Friday.

He talked principally on the value of steel in the construction of building material. The consumption of steel in the United States in 1929 was the equivalent of supplying three and one-half pounds of the metal per person per day. It has increased in recent years but sufficient data has not been obtained to determine the final statistics. The speaker drew a parallel with the consumption of steel and the progress of a nation since the dawn of history. China was compared with United States and it was shown that even though our country is not very old, our progress has surpassed that of China because of our huge consumption of steel compared to China.

History of man's development has been divided into three stages: stone, bronze, and steel. Iron was used before the time of Caesar; but progress was restricted to the use of iron because of the difficulty in reaching high temperatures. The methods of hardening iron were the same as those we use today. Barbarian tribes had other methods of tempering iron. One method was to heat the iron and plunge it into a slave; the process being repeated six times. Its temper was tested by bending it about a slave's waist; and if it sprung back into shape it was satisfactory.

Iron was first cast in Europe in 1458. Progress in iron-craft was slow and it was not until 1858 that the Bessemer process was invented. This led into a greater demand for steel which led into the development of the Open Hearth process, a cheaper method.

Mr. Penn then discussed steel in

### Hold Semi-Annual Music Smoker

Members of the Armour Tech Musical Clubs had a very enjoyable evening at the semi-annual smoker held at Theta Xi fraternity house on Wednesday, November 29.

The meeting was devoted to the playing of cards and also ping-pong. There was an abundance of cigars and cigarettes for those who smoked.

The regular meeting, presided over by Clarence Clarkson, president of the organization, consisted of interesting and humorous speeches by Deans Penn and Heald, Professor Leigh, faculty sponsor, and Mr. Erickson, director of the musical clubs. The pledges of Pi Nu Epsilon, honorary musical fraternity, also entertained those present by the singing of the "Armour Fight Song" and the "Alma Mater" song. The audience joined in the singing. After this a picture of the group was taken.

Refreshments in the form of sandwiches and coffee were served by the Pi Nu Epsilon pledges and the food disappeared rapidly even though turkey with all of trimmings was to be eaten on the next day which was Thanksgiving.

The meeting was brought to a close with the singing of the "Armour Fight Song."

modern housing. He brought out the fact that it has become important in its adaptability as a fire-proofing material. In the past it has been assumed that, on heating, the carrying capacity of steel is reduced. Experiments prove that this is not the case, for steel actually becomes stronger when heated to 700° F. Between 700° F. and 1,000° F. its carrying capacity falls to normal. On further heating its carrying capacity is greatly lessened.

### S. P. E. E. Publishes Talk by Hotchkiss

(Continued from page 1)

appeal to the instinct of workmanship it has laid excellent foundations upon which to build cultural as well as professional education adapted to the changing society which he sees ahead of the present generation of students.

#### Adaptation Is Essential

Dr. Hotchkiss then develops the inevitability of further important advances in technology, and urges the necessity for education to take account of the "human stresses and strains" involved in adapting society to technical change. "The outstanding cultural problem with which engineering education is concerned," he states, "is to render maximum aid in balancing social and technical progress."

To accomplish this in a society whose parts are as closely interwoven as in ours, competent engineers must have a considerable knowledge of the fields upon which their own fields impinge. The selection and revision of curricula toward this objective bring the natural difficulties of breaking from tradition, but, Dr. Hotchkiss declares, these obstacles are largely psychological and can be overcome.

He then develops in some detail the changes in curricula at Armour Institute which have since been effected, the integration of freshman studies, the reorganization of shop courses, and the introduction of

study in business and social subjects. Speaking of teaching in engineering subjects, he says that it is not only possible but desirable to follow those subjects which are expected to contribute toward professional competence into their business and social ramifications. In this way engineering teaching can still further enrich the personality of the student, enlarge his appreciation, stimulate his intellectual curiosity, and develop his capacity for thinking both accurately and comprehensively upon the subjects with which engineers are occupied.

The relation between general and professional education, Dr. Hotchkiss concludes, has been confused by the persistence of the idea that "cultural" and "practical" denote conflicting aims in education. Any course of study, he maintains, is cultural if taught and studied in such a way as to develop the student's mental power and build up his personality, and any course so taught and so studied is practical no matter how indirect its application may be. Hard-boiled, low-brow engineering education must be thus regarded and developed as an approach to culture if it is to fulfill its most vital function in the society of the future.

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REVIEWS

VOCATIONAL GUIDANCE IN EDUCATIONAL LINES

The Mack Printing Company, Easton, Pennsylvania

"Vocational Guidance in Engineering Lines" represents the most elaborate effort so far made to assemble comprehensive descriptions of all different branches of engineering in one text. This book, sponsored by the American Association of Engineers, and edited by a committee of which Dr. J. A. L. Waddell is chairman, fulfills a need long apparent to educators and engineers having occasion to advise young men in their choice of a profession. The avowed purpose of the book is to attract to the engineering profession those especially fitted for success in the field and to discourage from entering it, the indolent, unambitious, and otherwise incompetent or undesirable young men. Wide circulation of this book among prospective engineering students should go a long way toward carrying out this objective.

"Vocational Guidance in Engineering Lines," is a text of 506 pages profusely illustrated with photographs of outstanding examples of the engineer's work. Each of its sixty chapters is prepared by a well known specialist in the field covered. No single engineer could hope to be well informed on all the phases of engineering dealt with in this text. In addition to discussions on the major branches, good descriptions are given of many special fields. Some of these are wartime engineering, military engineering, aerial photographic surveying, aeronautical engineering, agricultural engineering, automotive engineering, foundation engineering, geological engineering, industrial engineering, telephone, telegraph and radio engineering, and valuation engineering. All discussions are written in straightforward non-technical terms and can be as readily understood by the beginner as by the professional engineer.

Although the book contains chapters on many specialized branches of the engineering profession the editors and the contributors have been careful to discourage the engineering student from excessive specialization at too early a stage. The importance of the fundamental scientific subjects is emphasized throughout. The whole book is a good example of the engineer's use of English.

Other interesting features of the book are the chapters on engineering ethics, engineering compensations and the appendix containing biographical sketches of some seventy contributors to the text.

"Vocational Guidance in Engineering Lines" is a book that should be read, at least in part, by every engineering student. It will prove especially valuable to the freshmen in making his choice of the major engineering option he expects to follow and to the senior or recent graduate in selecting a field of specialization.

Begin Measurements For Senior Jackets

(Continued from page 1)

mittee is judging on designs which are simple but modernistic and good-looking.

R. Ekroth, chairman of the committee, hopes to have a design which will please the whole class. The committee has examined bids of several companies and will continue to do so until a completely satisfactory and original design is selected.

Other Committees Active

Although the work of the other committees is not pressing so early in the year, they are both in action. The committee on photography is rounding out its duties at the present time. Bids from several photographers have been received and considered. The committee, headed by T. C. Peavey, will meet in the very near future to decide upon the choice of photographers.

E. W. Gosswiller, chairman of the committee on caps and gowns, announces that although no actual choice must be made on the subject of the graduation ceremony apparel until next semester, the committee is on the alert for advantageous offers.

Baker Addresses F. P. E. S. Meeting

At the meeting of the Fire Protection Engineering Society held last Friday, Mr. Baker of the Fire Insurance Company of North America gave a talk on "Mutual and Reciprocal Competition."

Mr. Baker began by saying that competition between stock companies and mutual companies has always been very keen. The main cause for this competition is the non-governmental regulation of mutual and reciprocal companies. They are able to cut down their expenses in view of the fact that they do not aid the community in which they work in any manner, whereas the stock companies help to contribute to the fire protection of the town.

Four Types of Companies

The four types of insurance companies discussed by Mr. Baker are these: stock, mutual, reciprocal, and Lloyds insurance companies. He said that in the first type, the insured is completely protected by the company against possible loss due to fire, while in the others, the insured bears the burden of protection by himself. It is quite common to have several companies hold jointly the policy on a single risk. In the case of mutual companies, if one fails, the insured has to stand the loss, while in the case of stock companies, one out of several failing, the other companies in the contract take up the burden, so that the insured does not have any loss.

Mutual Companies Discussed

Although mutual companies use practically the same rates as stock companies, mutual companies return dividends at the end of the year. This is providing the company makes money during that year. In the event that the mutual companies suffer heavy losses, they assess their insurers according to the necessity. Stock companies neither pay dividends nor do they make any assessments. Mr. Baker said, however, that, although this was the practice of mutual companies, some of them never have had the need to make any extra assessments, therefore their insurance is just as good as that of stock companies. As mutual companies must keep their expense ratio as low as possible, they do not have agents to help their insurers in case of need. Due to the lack of agents, mutual companies do not spend the time to service risks. In the case of a risk being improved many years after it was rated for insurance, a mutual company would not change the rate of insurance, while a stock company would do this.

Characteristics of Reciprocal Companies

In reciprocal companies, says Mr. Baker, your insurance cost is not stable. Also in this type, you have to pay assessments at the end of the year, although there is a possibility of being reimbursed in the form of dividends. All the expenses must be born by the subscriber and the subscriber must bear in mind that his premiums must cover all damages to risk other than fire loss. In this company the subscriber has a liability that cannot exceed much more than ten times the original premium.

Stock Companies Are Strong

Stock companies, according to Mr. Baker, deal directly with the insured and this is very important in the case of building changes. This close contact between the insured and insurer is an essential thing, although mutual and reciprocal companies lack this.

The following are the reasons Mr. Baker gave for taking out insurance in stock insurance companies: they are strong; they have agents to aid the public; they have a fixed and fair cost with no extra assessments; they are supported by capital investment; they support the locality in which they write insurance; and they have competent agents in all communities; whereas the mutuals maintain none of these qualities.



By Ray Fleissner

NEXT!

Now that the University of Chicago and George Williams College have fallen before the onslaught of the Tech cagers, the next opponent in line is none other than our old jinx, North Central of Naperville. The game is scheduled for tomorrow on the Naperville floor, and promises to be a real battle. Our sendoff—

—BEAT NORTH CENTRAL—

is a tough job for the engineers. The North Central team has the advantage of its home floor and in addition is playing practically the same team that beat us twice last year. It's about time this out of town aggregation was taken down. So—

—BEAT NORTH CENTRAL—

The Hawk team is beginning to click and if it continues the good work, our hopes will be fulfilled. In the high-scoring George Williams game, after an early scare, the boys began to mesh their plays and repeatedly came up until the opponents couldn't take it any more.

All Heroes!

It was impossible to pick out a star, because every Hawk did his share and then some. Beginning with acting-captain "Pop" Warner—his pep throughout the game kept his teammates on the run, and six free throws out of eight chances is a strong percentage. His running mate at the start of the game was Mickey Lukas, who showed much improvement and scored three pretty ringers and a gratis toss in the short time he played.

Passing Improves But Still Erratic

Al Lauchiskis proved his mettle at center. He played a consistent game and scored several of his famous shots under the loop. The rest of the starting line-up consisted of Christoph and Heike, and it sure is hard to land these boys. Christoph was the scrapper of the team, was all over the floor, and though he didn't play the full game either, scored five baskets for ten points and second high point honors.

—BEAT NORTH CENTRAL—

Pardon the interruption. A newcomer on the team by the name of Gene Heike, the former Parker High School star, took away high point honors with five ringers and three free throws. His consistent play and fast, shifty action, put him up as the find of the season. He is a dead eye on shots over his shoulder with either hand.

Dollenmaier Off Of Injured List

Hopes for a successful season were raised when Coach Krafft sent in Harry Dollenmaier, the Libertyville flash, in the second quarter of the game. He had not been out for practice until the night before the game and consequently much was not expected of him. But he sure put it over. His defensive game was perfect and besides, he put in two beautiful shots of his own graceful style. His return will do much to bolster up the team.

—BEAT NORTH CENTRAL—

It will take a lot more than height to beat the Tech team, as four of the Hawks range well over six feet. Al Lauchiskis is three inches over the six-foot mark, while his understudy, Bob Merz, a newcomer from Oak Park, tops him by an inch. Mickey Lukas and Gene Heike tip the rules at 6 feet 2 inches.

And when it comes to Warner, Christoph and Dollenmaier, they make up for height by some tall jumping. Christoph's feet have been seen above the shoulders of players around the basket. As a consequence very few shots have been made off the board by opposing teams.

—BEAT NORTH CENTRAL—

Boxing Tournament Shifted to December 18

Due to several difficulties, including the Musical Club's trip to Kanka-

ARMOUR CAGERS DEFEAT CHICAGO MAROONS AGAIN

(Continued from page 1)

when "Big Boy" Peterson made good his chance from the free throw line after being fouled by "Pop" Warner. Christoph a few moments later found himself confronted with the same opportunity and tied the score at one apiece. After several minutes of cautious and not especially brilliant play, Gene Heike, who was becoming by this time slightly peeved by the fact that he hadn't broken into the scoring column as yet, untied the score with the first of his eight points from the free throw route.

Pflum then made his only point of the game when the referee called a foul on Eldred for trying to play "horsey" with Ray. With the score three to one in Armour's favor, Christoph came up with two of his special brand of short baskets and ran the count to seven to one in favor of the Tech team.

Warner Out on Fouls

The Chicago team finally awoke to the fact that they were dropping behind in the scoring and led by Peterson and Flinn began to fight back. Peterson connected for two points with a pretty one-handed push shot from the side and then added two more points to the Chicago score when he was fouled by Warner and made good both chances. Flinn helped the Chicago cause by making good his gratis toss on "Pop" Warner's fourth foul.

Harry Dollenmaier was sent in by Coach Krafft to take Warner's place and promptly made the score board read 8-6, Armour, by converting another of the 22 Chicago fouls into a point. Kaplan, fast little guard of the Maroons, tied the score for the second and last time in the first half with a nice, effortless basket from about 25 feet out.

Techawks Lead at Half 16-11

After the Chicago flurry had subsided, Armour soon forged ahead on baskets by Dollenmaier and Heike. Gene ran the score to 14 to 9 when Kaplan committed his fourth personal offense and had to retire from

the game. Beeks replaced Kaplan. Christoph then made his third and last basket of the game by batting one through the hoop in a mad scramble under the Chicago goal. Peterson was responsible for the final score of the half by getting another one of his one-handed heaves to go through the hoop and bring the score to 16 to 11 in Armour's favor.

—BEAT NORTH CENTRAL—

The Interfraternity Basketball Tournament is well on its way and should be over before the holidays. The preliminary games included some close finishes. A well organized Triangle team nosed out the fighting Theta Xi's by one point, just before the whistle blew.

Final Game To Be Played At Armory

It has been arranged to have the final game played on the Armory floor. With the showing made by the Phi Pi Phi team thus far, a real floor will give them the title. Call this a prediction. If the Phi Pi's win, we also win. If they lose, all the other frats will win—a moral victory.

At the pep assembly last week, the tennis trophy was awarded to Mickey Lukas. He didn't expect to have to make a speech, and so was unprepared. But he was acclaimed anyhow.

—BEAT NORTH CENTRAL—

Evidently a lot of men think more of their stomachs than school spirit. During the pep meeting the lunch room was packed with them. Classes were excused for the meeting and not for an extra lunch hour. If such actions continue, the office will refuse to give time out of classes for such necessary gatherings.

—BEAT NORTH CENTRAL—

The Hawk trackmen are starting practice now in preparation for the interclass meet. Lockers in the U. of C. fieldhouse have been issued. Thirty pairs of shoes were obtained last week and are ready for distribution. Coach Stagg and Manager Kuehn are arranging a full schedule.

Famous Last Words:

—BEAT NORTH CENTRAL—

the game. Beeks replaced Kaplan. Christoph then made his third and last basket of the game by batting one through the hoop in a mad scramble under the Chicago goal. Peterson was responsible for the final score of the half by getting another one of his one-handed heaves to go through the hoop and bring the score to 16 to 11 in Armour's favor.

Second Half Starts Slowly

The first scoring of the second half was done by the Armour team, Heike converting one of two chances after being fouled by Wegner. Peterson contributed his final bit of scoring to the Maroon's total by making good on both free throw chances after being held by Christoph. Wegner then proceeded to get very warm and in the next few minutes of the game carried the brunt of the Maroon offense on his capable shoulders. He popped into the basket a short shot and very soon thereafter tossed in a nice one from about 30 feet out from the basket. His efforts changed the readings on the scoreboard to Armour—17, Chicago—16.

Heike, however, again repeated his stellar performance at the free throw line and Armour Tech had the lead by three points. Wegner was not through shooting, though and he finally dropped one in to again bring Chicago within one point of Armour. At this point in the game occurred the most exciting and also best playing of the forty minutes playing time.

Exciting Play in Second Half

A fighting Tech team was continually fighting off an equally hard fighting Chicago team which was determined to win. They realized that at this point, midway in the last half, was their chance to win or lose the game.

With the score 19-18, Armour, Lauchiskis got too rough with Peterson, who was given a chance at a free throw but missed. In the excitement of the moment Beeks of Chicago wrapped his arms around Dollenmaier's head in a rather unloving fashion (almost a la "Strangler" Lewis) and as a result Harry added two more points to the Armour reading on the big scoreboard at the east end of the fieldhouse.

Chicago Ties Score

Chicago finally succeeded in tying the score at 21-21 on fine work by Flinn and Wegner but the fast pace of the game was beginning to tell and Armour called time out to organize that last minute drive.

Shortly after time had been called in Dollenmaier, going at full speed, one-handed a beautiful shot through the hoop, which took the heart out of the Chicago team. From then on, the game was all Armour. Wegner chalked up the Maroon's last point with a charity point toward the end of the game, while Al Lauchiskis, Heike, and "Dolly" made the Techawks' remaining points.

Pflum's Floor Game Outstanding

The most prominent part of the Tech drive in the last quarter was supplied by Ray Pflum, whose floor game sparkled brilliantly as ever. To heap praises upon an athletic team, it has been said, is not good for the morale of the team and for

BOX SCORE

| CHICAGO—22          | G. | F. | P. |
|---------------------|----|----|----|
| Eldred, f. ....     | 0  | 0  | 4  |
| T. Flinn, f. ....   | 0  | 0  | 1  |
| Merrifield, f. .... | 0  | 0  | 0  |
| Dorsey, f. ....     | 0  | 1  | 4  |
| Stapleton, f. ....  | 0  | 0  | 0  |
| Peterson, c. ....   | 2  | 2  | 2  |
| Wegner, g. ....     | 3  | 2  | 3  |
| Kaplan, g. ....     | 2  | 1  | 4  |
| Beeks, g. ....      | 0  | 0  | 3  |
| Flinn, g. ....      | 1  | 0  | 1  |
| Grandahl, g. ....   | 0  | 0  | 0  |
| Totals .....        | 8  | 6  | 22 |

| ARMOUR—27            | G. | F. | P. |
|----------------------|----|----|----|
| Heike, f. ....       | 1  | 8  | 1  |
| Merz, f. ....        | 0  | 0  | 0  |
| Christoph, f. ....   | 3  | 1  | 2  |
| Lukas, f. ....       | 0  | 0  | 0  |
| Lauchiskis, c. ....  | 0  | 1  | 2  |
| Warner, g. ....      | 0  | 0  | 4  |
| Dollenmaier, g. .... | 2  | 4  | 2  |
| Pflum, g. ....       | 0  | 1  | 0  |
| Totals .....         | 6  | 15 | 11 |

Two hundred and twenty-seven of the University of Iowa professors, associate professors, and assistants have received in all 665 degrees, each of which, according to the professors' own valuation, is worth \$1,504.

Interfraternity Teams in Opening Cage Skirmishes

Phi Pi Phi, Defending Champ, Shows Strength

Preliminary skirmishes in "Interfrat" basketball resulted in several closely contested games and an overwhelming victory by the tournament favorites, the Phi Pi Phi five. The first contest was staged between the Deltas and the Rho Deltas and was won by Delta Tau Delta, due mainly to the shooting of Streb and Doane, who scored ten points each to account for all the scoring by Delta Tau Delta.

BOX SCORE

| DELTA TAU DELTA—20 | B. F. P. |
|--------------------|----------|
| Streb, f. ....     | 5 0 0    |
| Davis, f. ....     | 0 0 0    |
| Doane, f. ....     | 4 2 1    |
| Gallagher, c. .... | 0 0 0    |
| Lowry, c. ....     | 0 0 0    |
| McAuliffe, g. .... | 0 0 0    |
| Tacci, g. ....     | 0 0 0    |
| Tomel, g. ....     | 0 0 0    |
| Totals .....       | 9 2 1    |

(Continued on page 6)

the future success of the team, but, nevertheless, Coach Krafft's men won and they deserve some credit.

The Chicago team last Saturday evening was an improved team when compared with the one which played North Central the week before, and yet, unless Armour's passing improves somewhat the Tech team is going to have a difficult task downing the strong Naperville outfit tomorrow. With Ray Pflum back in the lineup though, this will improve and then, watchout North Central.

After the basketball game, many of the spectators stayed in the fieldhouse to watch George Lott, American Davis Cup tennis star, play an exhibition match.

Play North Central Wednesday

This Wednesday evening the Armour Tech cagers travel to Naperville and play their third game of the season with the strong North Central five. After losing two close and hard fought contests to the North Central team last year, the game this Wednesday should be of considerable interest. The Techawks will be out to avenge last year's defeats, which were lost in the closing minutes of play.

Armour Lost Two to North Central Last Season

As is the case this year, the first game of the North Central-Armour Tech two-game series last year was played at North Central. In that game the Armour Engineers built up a nice lead in the first half of about eleven points, only to see the red and white basketweavers of North Central put on a flashy spurt in the second half and eke out a victory amid the hysterical and joyful cheering of the hometown spectators.

The result of last year's second game was practically the same, although the manner in which the Naperville team achieved it was slightly different. If our memory doesn't fail us, this game was closely contested all the way, with North Central again pulling out on top. Incidentally, North Central was the only team which Armour played last year that won both games played.

From the facts just mentioned and because of the fact that the North Central team is composed of veterans from last year's squad, it seems especially desirable that Coach Krafft's men defeat the team out of the northwest suburbs.

Naperville is Strong

The strength of the North Central aggregation is shown by their defeat of the University of Chicago five by a 29 to 17 count. North Central led all the way, with the score at the halfway mark being 14 to 6.

Such veterans as Yuknis, sharp-shooting forward, who was high point man in the Maroon game with thirteen points, Berry, another forward, Dillon at center, and Young and Spiegler, guards, make the North Central team a powerful aggregation.

"BEAT NORTH CENTRAL"

It is hoped that Captain Ray Pflum will be ready for the game Wednesday evening and make Armour's chances for victory all the better, but no matter who is injured, or who plays, we say "Beat North Central."

# Tech Basketeers Beat George Williams for Season's First Victory

## Newcomers On Squad Show Up Well In Initial Game of Year

A la Ed Owen Meacham

With one wing in a sling and in a somewhat "punch-drunk" condition due to his own constant boomeranging in practice scrimmages, a mighty Techhawk still had enough power in what was left of his badly crippled being to claw up a fair to middlin' quintet from George Williams College last Wednesday, December 6, by a score of 50-35. With his right-hand man, Captain Pflum, on the sidelines due to a badly bruised elbow and with Dollenmaier, another ailing regular, performing only part time because of injuries, the triumph of the Hawk is especially commendable. The game, which was played on the Tech home court at the Armory and was the season's opener, was witnessed by a large delegation of students who appeared to get a great kick out of seeing the Armour bird get started in the current campaign on the right foot.

### Enemy Scores First

A few moments after the opening tip-off, the visitors got possession of the ball and proceeded to work the leather down into Armour territory to set the stage for the first ringer of the game, a short shot by McBride. A couple of seconds later Mickey Lukas was fouled from behind, and "Powerhouse" sank the penalty toss to make the score 2-1, Williams. The enemy then made a sudden spurt to run the score to 4-1 and thence to 11-3, at which juncture the Hawk decided to put his aggressor in his place. Lukas again found the hoop to make the score 11-5 and then "Pop" Warner was clipped in the act of shooting, after which he made good the two gratis heaves making the tabulation now read 11-7, Williams.

### Hawks Get Started

At this time Johnson, probably the classiest basketeer in the visiting ensemble, found the range for dear old Williams but Heike quickly retaliated by dropping in one from under the hoop in "pro" style, and thus starting off on his long scoring spree which did not terminate until he had chalked up five baskets and three charity tosses for a total of thirteen points. This action made the score 13-9, Williams. Then when Lauchiskis, Heike, and Lukas connected in rapid-fire succession in a series of brilliant and deadly cannonading, the tri-color quintet was in the lead for the first time by the slender margin of 15-13. Two free throws by Sopher, who during the game, had a perfect percentage in making six out of six from the penalty line, knotted the score at 15 all. A few moments later, Sopher was pulled from the game by his coach, the latter taking no chances, as his tip-off star had three personals against his record. Thompson, who replaced Sopher, immediately scored from short range but Heike promptly came back and ripped the nets wide open with another of his trick shots and the count was still tied.

### Mad Scramble for Lead

Keeping up the good work, Heike made a free throw to give Armour the lead again, 18-17. McBride of Williams then found the hoop to put his team on top for the last time during the fracas. For during the closing minutes of the half the Engineers forged ahead by virtue of two ringers and three gratis heaves while their opponents were making one free throw, thus making the score at the intermission 25-20, Armour.

### Tech Increases Lead

The Armour five began firing away in earnest at the start of the second half and eventually turned what had been a rather close game into a complete rout. Through the efforts of Dollenmaier, Warner, and Lauchiskis, Tech rang up five additional points before DeGeorge scored for Williams, making the score 20-22, Armour. Heike and

McBride, of the foe, each sank a free toss to leave the score in the same relative position. Dollenmaier also dropped in a free throw but again McBride came back, this time with a ringer to make the score now read, 32-25, Armour. Warner then made good his sixth attempt out of eight tries from the charity stripe, and Sopher, who appeared to have never heard of the word "miss," sank his sixth and final free toss.

### Run Up Lead

Lauchiskis and Christoph then scored from the field but Sopher was again on the job for the Drexel Avenue boys as he added another two points for Williams. Christoph scored again as did Johnson and Myers of the enemy, making the score now 39-32, Armour. This final spurt of the invader caused the Hawk to make victory secure with even greater and more rapid strides. Lauchiskis, Dollenmaier, and Christoph registered from the field in the order named, Heike made a free throw, and Christoph again "pointed" for two markers. Williams' retaliation to the dynamite that blasted her right out of the ball game was a free throw by McBride and a ringer by

Thompson for her final three points of the day and making the score 48-35, Armour.

### Heike Looks Good

Then to wind up his day in a blaze of glory, this guy Heike, who may develop into a fair-country ball-player with some experience, dropped in another bucket to make the score read, 50-35, Armour. Almost simultaneously with Heike's last-second swish came the shrill toot of the final whistle and the Engineers had started the season in a manner which a Philadelphian, Bostonian, or "Piccadilly" Livingston might describe as "most auspiciously."

| ARMOUR (50)        | B. | F. | P. |
|--------------------|----|----|----|
| Heike, f.          | 5  | 3  | 1  |
| Christoph, f.      | 5  | 0  | 2  |
| Dollenmaier, f.-g. | 2  | 1  | 2  |
| Lauchiskis, c.     | 3  | 3  | 3  |
| Merz, c.           | 0  | 0  | 0  |
| Warner, g.         | 0  | 6  | 4  |
| Rummel, g.         | 0  | 0  | 1  |
| Lukas, g.          | 3  | 1  | 1  |
| Totals             | 18 | 14 | 14 |

| GEO. WILLIAMS (35) | B. | F. | P. |
|--------------------|----|----|----|
| DeGeorge, f.       | 1  | 0  | 4  |
| Myers, f.          | 1  | 0  | 1  |
| McBride, f.        | 3  | 0  | 0  |
| Sopher, c.         | 2  | 6  | 4  |
| Thompson, c.       | 2  | 0  | 1  |
| Gnentele, g.       | 0  | 1  | 1  |
| Boochar, g.        | 0  | 0  | 1  |
| Goodman, g.        | 0  | 0  | 2  |
| Washington, g.     | 0  | 0  | 0  |
| Johnson, g.        | 4  | 0  | 3  |
| Totals             | 13 | 9  | 17 |

Referee—Glick. Umpire—Wasserman.

# FRAT TEAMS PLAY IN SEMIFINALS OF ANNUAL TOURNEY

(Continued from page 5)

| RHO DELTA RHO—18 | B. | F. | P. |
|------------------|----|----|----|
| Taradash, f.     | 4  | 0  | 1  |
| Levin, f.        | 2  | 0  | 1  |
| Rosowski, c.     | 1  | 0  | 1  |
| Dworsky, g.      | 0  | 0  | 2  |
| Schreiber, g.    | 1  | 0  | 0  |
| Siegel, g.       | 1  | 0  | 0  |
| Totals           | 9  | 0  | 5  |

### Triangle Wins Close One

Theta Xi won from Sigma Alpha Mu by forfeit and then lost to Triangle last Thursday by a score of 16 to 15. This proved to be a hair raiser since there was but a one point difference at the half and ended with a similar winning margin.

### BOX SCORE

| TRIANGLE—16     | B. | F. | P. |
|-----------------|----|----|----|
| Vanderkloot, f. | 0  | 1  | 1  |
| Thompson, f.    | 0  | 0  | 2  |
| Kraft, f.       | 1  | 0  | 0  |
| Lillis, c.      | 3  | 3  | 1  |
| Scott, c.       | 0  | 0  | 0  |
| McBrady, g.     | 2  | 0  | 2  |
| Lyford, g.      | 0  | 0  | 3  |
| Totals          | 6  | 4  | 9  |

| THETA XI—15    | B. | F. | P. |
|----------------|----|----|----|
| Smith, f.      | 1  | 0  | 0  |
| Reed, f.       | 2  | 1  | 1  |
| Bewersdorf, c. | 0  | 0  | 1  |
| Roberts, g.    | 1  | 0  | 2  |
| Schulz, g.     | 2  | 0  | 2  |
| Ellis, g.      | 0  | 2  | 1  |
| Totals         | 6  | 3  | 7  |

Phi Kappa Win  
The Phi Kappa Sigma-Kappa Delta Epsilon game resulted in a victory for the Phi Kapps. This game followed the Triangle-Theta Xi game, ending with the score 13 to 7. Beigler and Jacobson, with two baskets apiece, were the scoring threats of the Phi Kapp quintet.

### BOX SCORE

| PHI KAPPA SIGMA—13 | B. | F. | P. |
|--------------------|----|----|----|
| Skeppstrom, f.     | 1  | 0  | 1  |
| Fraizer, f.        | 1  | 0  | 0  |
| Biegler, c.        | 2  | 0  | 2  |
| Jacobson, g.       | 2  | 0  | 3  |
| Comegys, g.        | 0  | 0  | 1  |
| Holland, g.        | 0  | 1  | 0  |
| Totals             | 6  | 1  | 7  |

### KAPPA DELTA EPSILON—7

| B.            | F. | P. |   |
|---------------|----|----|---|
| Rootberg, f.  | 0  | 0  | 2 |
| Ender, f.     | 0  | 0  | 1 |
| Marcus, f.    | 1  | 1  | 2 |
| Ikenn, c.     | 0  | 0  | 1 |
| Rosenthal, g. | 1  | 2  | 0 |
| Fineman, g.   | 0  | 0  | 0 |
| Totals        | 2  | 3  | 6 |

### Phi Pi Phi's Win 45-12

The Phi Pi Phi aggregation, champions for the last fifteen years, coasted through their first contest and won handily, 45-12. The Phi Pi's utilized 13 players while toying with the Beta Psi five. Shukas and Sramek were the main threats in the scoring line with 9 and 8 points respectively. However, most of the Phi Pi's got in on the killing and added a few points to make an overwhelming margin for the potential champs.

For the vanquished, Humiston, the dashing forward, and Bristol provided the Beta Psi scoring threat but it was not sufficient to withstand the championship bound Phi Pi Phi's.

| PHI PI PHI—45  | B. | F. | P. |
|----------------|----|----|----|
| Shukas, f.     | 4  | 1  | 0  |
| Castanes, f.   | 1  | 1  | 2  |
| Melinowski, f. | 2  | 1  | 2  |
| Shanahan, f.   | 1  | 0  | 1  |
| Merz, c.       | 2  | 1  | 0  |
| Callen, g.     | 0  | 0  | 4  |
| Heike, g.      | 2  | 2  | 0  |
| Forberg, g.    | 0  | 0  | 2  |
| Sramek, g.     | 4  | 0  | 3  |
| Steuchli, g.   | 0  | 3  | 0  |
| Winkler, f.    | 0  | 2  | 0  |
| Gagliardo, g.  | 1  | 0  | 0  |
| Friede, f.     | 0  | 0  | 2  |
| Totals         | 17 | 11 | 16 |

| BETA PSI—12    | B. | F. | P. |
|----------------|----|----|----|
| Humiston, f.   | 0  | 5  | 2  |
| Schnackel, f.  | 0  | 0  | 0  |
| Bristol, c.    | 3  | 0  | 3  |
| Timberlake, g. | 0  | 0  | 0  |
| Snasbal, g.    | 0  | 1  | 4  |
| Hazelton, g.   | 0  | 0  | 4  |
| Searl, g.      | 0  | 0  | 1  |
| Totals         | 3  | 6  | 14 |

December 14 is the date set for the semi-final encounters between Delta Tau Delta and Triangle also the Phi Pi Phi's and Phi Kappa Sigma will engage in the Armour Tech gym.

The final game is to be staged in the Armory this year and will permit the teams to exhibit a better brand of basketball than would be possible in the close confines of the school gym.

### Phi Pi's Gun for No. 16

This will be, if the Phi Pi's realize their hopes, the sixteenth championship that has come their way. Already they are proud possessors of five trophies and are well on their way towards obtaining the first leg on the sixth.

# IT TAKES HEALTHY NERVES

# TO BE THE CHAMPION TRAP SHOOTER



**SHOOTING FROM SCRATCH, 25 yards behind the traps, Walter Beaver pulled out of an exciting tie to win the 34th Grand American—the first time it has been won by a limit contestant! He has been a steady smoker of Camels for years, and says: "During all these years I've been smoking Camels because I like their taste and mildness...they never jangle my nerves."**

**HOW ARE YOUR NERVES? If you smoke a lot...inside...outdoors...wherever you are...join the swing to Camels. You'll find them milder, better tasting, and they never get on your nerves.**

A MATCHLESS BLEND

**IT IS MORE FUN TO KNOW**  
Camels are made from finer, MORE EXPENSIVE tobaccos than any other popular brand.

## Steady Smokers turn to Camels

WALTER BEAVER, holder of the coveted Grand American Handicap, says: "Winning a trap-shooting championship is partly a matter of luck, partly the result of practice and partly healthy nerves. I'm a steady smoker. People kid me about it at the tournaments. They say I never have a cigarette out of my mouth. During all these years I've been smoking Camels, not only

because I like their taste and their mildness, but also because they never jangle my nerves." It's no fun to feel that your nerves are ragged—and to wonder why. Check up on your eating...your sleep...your cigarettes. Switch to Camels. Your nerves and your taste will tell you that Camels are a more likable cigarette—and that they don't upset your nerves.

# CAMEL'S COSTLIEST TOBACCOS

NEVER GET ON YOUR NERVES... NEVER TIRE YOUR TASTE

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