

by BILL BURKHART, Editor

THIS WEEK MEETINGS will be held by the seniors to decide a class policy which may have a great effect on setting a precedent for the future. One of the questions to be decided will concern what will be worn at the Senior Farewell. In the past, this matter has always been good for a violent discussion, and from here it looks like there will be a long argument again.

They talk about a bunch of women haggling about what to wear to what dance, but the senior classes have always been able to give the women a run for the laurels. Once again the seniors will decide if their Farewell will be strictly formal or semi-formal. In the past, the semi crowd has usually won out, lately with the war on their side. And perhaps they were right. War time was no time to stress formality, and nobody did.

NOW, IT WOULDN'T hurt to have at least one college function at which everyone was in formal dress. Of course, it may be hard to recognize one's friends, but it does add dignity. A ruling in favor of a semi-formal affair would not bring uniformity; at such a Farewell, there will be everything from sport coats to tails.

Each side in the coming argument will be able to give any number of reasons for supporting its opinion, but the fact remains that there should be at least one dignified event in four years, even in an engineering factory. After all, for every semi-formal dance, the girls have to climb into formals, and it wouldn't hurt even an engineer to hunt for a collar button once.

"Frosh Mixer" Will Feature Wickham's Band, Specialties

The "Frosh Mixer" will be held tomorrow in the SU auditorium. A program of entertainment including dance music by Homer Wickham's band, instrumental and dance specialties at intermission, and refreshments served in the cafeteria, will serve to acquaint the freshman among themselves and to upper classmen, who are also invited.

Girls from neighboring schools have been invited for freshmen students without dates only. The freshmen class officers felt they would be slighting the upper classmen if they procured dates for them, commented George Stackhouse, president.

The intermission period will feature Barth Pollak at the piano, Bob Neeton's orchestra and a chorus from a modeling school. According to the Frosh social committee, Newton's orchestra is considered one of the outstanding small orchestral groups in the mid-west. The band will present its arrangements of "Blue Skies" and "Stompology."

Tutoring Service Again Available to Students

As a result of the encouraging results of last semester's tutoring service, the Interhonorary Council has decided to continue the project on a permanent basis. The main reason for this semester's late start may be traced to the IHC's late meeting and later difficulty in obtaining unoccupied rooms, according to Warren Brockmeir, head of the tutoring service.

Under Brockmeir is a staff of 12 men, who are available for the students' general needs. The schedule is as follows: Tuesday 10 to 12, 118A; Wednesday 9 to 10, 217C; Thursday 1 to 4, 117C; Friday 3 to 4, 211C. Since there is a need for additional tutors, anyone interested should apply to Brockmeir.

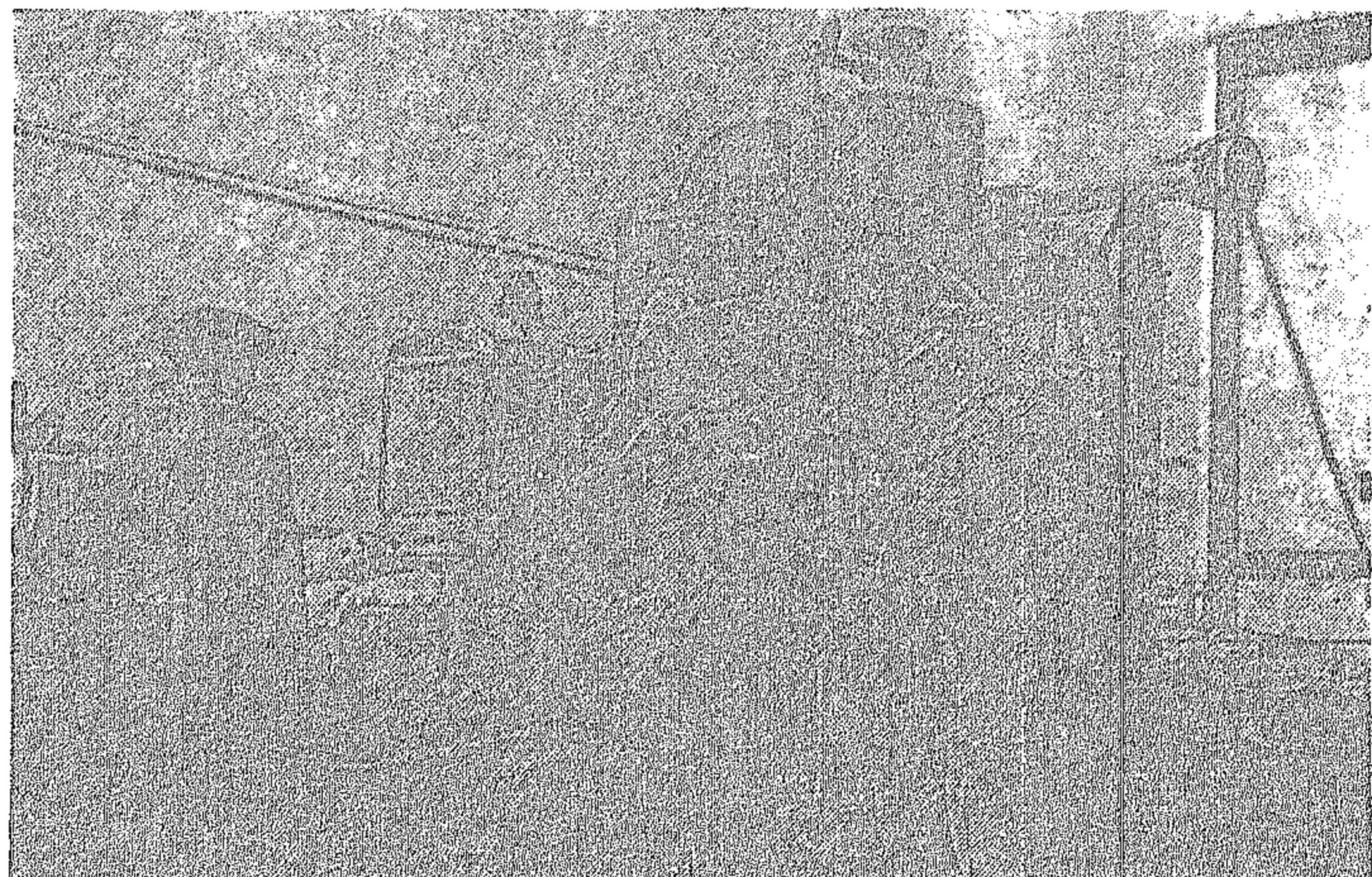
TECHNOLOGY NEWS

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ILLINOIS INSTITUTE OF TECHNOLOGY

Tuesday, November 12, 1946

Cement Mixer . . .



PUTTY-PUTTY—Workmen have been busy spreading concrete for the foundations of the new temporary buildings to be erected on the IIT campus.

300 "Serenade in Gold" Bids Sell Out in New Record Time

Dance to be Held in Congress Hotel Gold Room; Val Grayson's Orchestra Featured Attraction

A new sales record was believed to have been established last week when 300 bids to the 4B's "Serenade in Gold," informal school dance, were sold during two ticket selling periods. Said Kurt Kuhnle, vice-president and supervisor of ticket sales, "The bids went on sale Tuesday morning at 10 a.m. and 300 had been sold by 2 p.m. Wednesday. Since the attendance will be limited to 350 couples a few bids are still available."

Music, "Designed for Dancing," will be featured by Val Grayson's orchestra which will play from 9 p.m. to 1 a.m. Grayson, who has one of Chicago's most successful local bands, broadcasted nightly over station WIND for approximately 10 months. Marian Gray is spotlighted as vocalist with the Grayson band.

The "Serenade" will be held in the Gold Room of the Congress Hotel, Friday night, November 22. The Gold Room was the scene of the Junior Prom last term. Reserved tables have been arranged in the ballroom balcony and the English, Francis I and Walnut Rooms, which are adjacent to the ballroom.

Since bid sales were limited to 350, adequate dancing space for all is assured, said Bob Fordham of the reservations committee. Gold and black bids, very sophisticated in appearance, according to Ed Lindahl, will be presented at the door.

Sophomore Class to Have Meeting to Discuss Dance

George House, sophomore class president, has announced that there will be a meeting of the sophomore class Friday, November 15, at 11 a.m. in Room 211 Chapin. The meeting is intended to familiarize the class with the semester's social program and to discuss plans for the Soph-Frosh dance to be held February 21, 1947. The class will vote on whether the dance is to be formal, semi-formal or informal. The dance, the first all-school social function in the second semester of the school year, will be held in the Continental Hotel.

ATTENTION, ALL VETERANS: All men who have been attending school at IIT all summer and who have not received any subsistence should contact Mr. Corrado De Sylvester at his office in the Student Union and fill out a survey sheet.

Technology News and Armour Eye to Sponsor Campus Camera Contest

All IIT Shutterbugs Are Eligible to Compete; Pictures to Cover News and Features at IIT; City Newspaper Photographers to be Judges

A chance to break out the flash bulbs and film will be offered to shutterbugs of Illinois Tech in a photo contest sponsored jointly by Armour Eye and *Technology News*. The contest, which is open to all IIT students, will begin tomorrow.

Entries must cover subjects concerned with the IIT campus and may be made in either of two divisions—news photos or features. News photos can cover any current events on campus. Sports pictures will be included among feature photos as will any "trick" pictures submitted.

Prizes of \$10 each will be awarded to the first place winners in each division. Second place prizes will be \$5 each. All four winners will receive one year's free membership in Armour Eye, campus camera club, which includes use of the extensive photographic facilities of the club.

Entries can be submitted at the postoffice, first floor Student Union. All pictures submitted must be gloss prints at least 4 x 5 inches. Each entry should carry the name and class of the photographer, description of the event depicted, and the division it is to be entered in—news or feature.

All entries will be returned upon completion of judging. *Armour Eye* and *Technology News* reserve all rights to the publication of pictures submitted.

Photos will be judged on news value, human interest, composition, and clarity. Final judging will be made by photographers of the *Chicago Sun*, *Chicago Tribune*, *Chicago Times*, and the *Associated Press*. Deadline for entries will be Tuesday, December 3.

Techmen Put Hep to Boogie By Hayakawa

"Slide Rule Boogie" by Duo Sends Students

"Slide Rule Boogie," a soul stirring duo-piano arrangement dedicated to the students of IIT, was the featured number of Dr. S. I. Hayakawa's final lecture on the history of jazz at last Friday's all-school assembly.

Dr. Lee Roy Wilcox, associate professor of mathematics, and James Wangersheim, soph ME joined in the duet honoring the students of 33rd and Federal St. Other numbers highlighting the program were an original, "non-Euclidean boogie" composition by Dr. Wilcox and Wangersheim's jumping rendition of Mead Lux Lewis' "Honkey Tonk Train Blues."

In his concluding lecture Dr. Hayakawa outlined the transition of jazz from the basic folk music of New Orleans to the highly specialized, abstract boogie compositions of today. Wangersheim demonstrated many of the abstract flourishes, such as the rolling left hand, eight beat measure, etc.

In comparing the sophisticated abstractions of boogie woogie to basic jazz, Dr. Hayakawa used the analogy made by Dr. A. Rappaport of the IIT mathematics department e.g. as the scherzo is to the minuet and then left it to the longhairs to explain the analogy.

Braniff, Liszt, and others were

See Hayakawa on page 77

Steel Arrival Spurs Building Program Anew

Administration Hopes For Early Completion Of Construction Plans

The permanent building program on the Illinois Tech campus is returning to full stride with the recent delivery of structural steel, said Raymond J. Spaeth, executive secretary and treasurer of IIT last week. The lack of steel, due to the fact that the steel mills could not produce enough for all their orders, was all that tied up the construction of the buildings. Bricks, pipes, tile, and all other materials have been here for months, explained Spaeth.

The two new buildings are expected to be completed and equipped for classes next September, said Spaeth. If, however, the buildings are not wholly finished by then, the freshmen chemistry laboratories will be the first to be equipped so that they may be used in September.

The two new buildings plus the four temporary buildings, which should be ready for occupancy next semester, will double the area on the campus for instructional purposes, adding some 125,000 square feet of class room and laboratory space to that already in existence.

Frosh Advisors to Meet

All men who served as freshmen advisors during registration and orientation week this semester are requested to meet in Dean Jack White's office Thursday at 5 p.m.

Plans are to be developed for a mid-semester meeting with the freshman class to answer any questions which have arisen since registration.

AVC Plans Action On Campus Issues

At a meeting of the IIT chapter of the AVC last Thursday, the veterans' problem committee presented a report on a co-op bookstore, the price of milk, and the Engineers License Law.

The committee stated in its report that it thought the prices the bookstore charged were too high; and that these prices would cause a substantial decrease in eligibility time under the GI bill. The vets proposed a remedy in stating that co-op bookstore would be able to sell books and supplies for less than the bookstore.

The report pointed out that milk in stores could be purchased at 21c a quart, whereas the cafeteria has been charging 18c a pint. A sub-committee, headed by Arnold Rosner, is to appear before the ITSA to protest against this discrepancy in prices.

The AVC members also accepted the resolution that the chapter would undertake the creation and maintenance of recreational facilities for the children in the neighborhood of IIT.

Jive Artists



SLIDERULE BOOGIE—Dr. L. R. Wilcox, associate professor of mathematics, and James Wangersheim, sophomore ME, played their composition "Slide Rule Boogie" at the final lecture on the History of Jazz.

Editorial

Several weeks ago, *Technology News* published a letter in the "Campus Comments" column asking why courses in public speaking were not offered at Illinois Tech. On page four of this issue, Dr. Walter Hendricks, Chairman of the Language, Literature, and Philosophy department answers the question.

According to Dr. Hendricks, a course of speech is not offered at the present time because, during the war "it was not possible for the Institute to set up the kind of program that its standards required." It is also stated that for "creditable" work in speech, elaborate equipment and specially trained instructors are required.

According to the bulletin of Illinois Tech, two advanced courses in English will be offered if the demand warrants it. These courses are English 209, fundamentals of speech, and English 210, public speaking. Descriptions of the courses can be found in any edition of the bulletin. We don't believe that elaborate equipment is required to carry out the aims of these courses.

In our opinion, the best way to learn public speaking is to speak in public. Naturally some training is required, but practice produces the best speakers. Courses in adult education are offered by various schools and institutions in Chicago, and many of these contain classes in public speaking. Most of these consist of speaking before small groups.

It is our opinion that if a person can learn to speak correct English, can organize his thoughts, and can express himself before a small group, he can speak effectively before any group. Special equipment is fine, if it is available. Specially trained instructors are fine, if they can be obtained. But what logic lies behind the decision to offer no class in public speaking until the best equipment and best instructors are available? It sounds like the old story that IIT's first football team must be able to beat Notre Dame.

At the present time, there are men in the language, literature and philosophy department who know correct speech when they hear it. These same men, since they are instructors or professors, should be able to point out errors of speech and tell how to correct them. English 101 and 102 are supposed to teach the fundamentals of organizing one's thoughts. The ability to think while facing a group will come only through practice, no matter how good the acoustics and ventilation of the room are.

The use of the Armour Sound Recorder definitely would aid in the correction of speech defects uncovered in any speech course offered. What has the language, literature and philosophy department done toward obtaining such machines from the Research Foundation?

And it is indeed too bad, that Hitler didn't study Shakespeare. But it would have been better if the people who had read Shakespeare had been able to rouse a rabble.

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Man Of The Week

Bob Czeropski Is 4A Treasurer, President of Three Organizations

by Joe Coffey

The word active, if it could be adequately expanded might describe Robert S. Czeropski, this week's Man of The Week.

His capacity was recognized at Weber High School in Chicago where Bob was valedictorian, president of his class, and prom chairman. He also was the winner of two competitive scholarships, one to Loyola and the other to the Illinois Institute of Technology.



Czeropski came to IIT in 1942 when he began his studies in Chemical Engineering on the Lewis campus. Here he began his active school life by becoming affiliated with the American

Institute of Chemical Engineers and the professional chemical fraternity, Alpha Chi Sigma.

Bob is president of Alpha Sigma Phi, Beta Omega Nu, and Alpha Chi Sigma. Many consider it a full time job to keep up their scholastic work at IIT, but Bob manages to be active in seven different organizations. With membership in the

Polish Club, Illinois Tech Vets, Alpha Sigma Phi, and Beta Omega Nu, the social life of Czeropski is more detailed than his academic interests. He is also treasurer of the 4A Class.

Bob's attitude is not one of static contentment. Though satisfied with the instructors in his department he believes that the chemical engineering curriculum should more adequately cover the field of chemical engineering. He is also of the opinion that this department has an unnecessary number of courses in other branches of engineering. Although Bob is pleased with the social program for this semester he hopes for an increased student activity fee. This increase says Bob should be used as a means to offer more aid to campus organizations.

Upon graduation, which according to Bob is 81 days off, he will probably go to night school to earn his MS degree.

Faculty Facts . . .

Professor Phil Huntly, Director of the Department of Civil Engineering and Chairman of the Department of Mechanics.

The Director of the Institute's Department of Civil Engineering and Chairman of the Department of Mechanics, Professor Phil Huntly, is one of the most popular professors on the campus.

Professor Huntly is a graduate of the University of Arkansas where he received his BS in CE in 1910. Besides gaining recognition as an outstanding scholar Phil Huntly made his mark on the athletic field as a star football player as well. He played on several champion Arkansas football teams as a first stringer.



After graduation Professor Huntly stayed on at Arkansas U. for two more years as an instructor in CE and as assistant football coach.

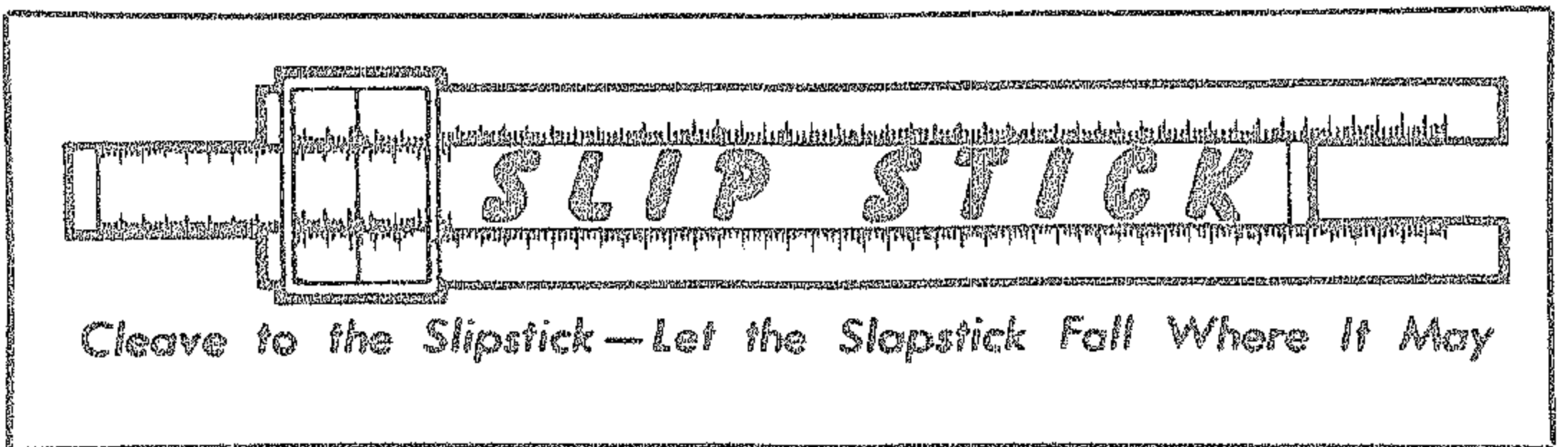
Professor Huntly later held positions with various mid-western construction and designing companies, but as he found teaching and research more to his liking he came to Armour Institute as an ME instructor in September of 1914. He soon worked himself up through positions as assistant professor of ME in 1916, associate professor 1922, and was appointed a full professor in 1932. Between 1934 and 1938 he served as the director of the Mechanical Engineering Department. He was appointed to be director of the Civil Engineering Department in 1938.

Besides taking care of his responsibilities in the CE departments Professor Huntly manages to find time to do a considerable amount of research work, serving as project advisor in the solid mechanics section of the ARF. In this capacity he does a considerable amount of research for various industrial firms. He is prominent in the American Society for Metals having helped organize it; he serves as an authority on the Concrete Committee for American Standards and is also active in the Chicago Association of Commerce.

Professor Huntly is also an active member in such organizations as ASME, ASCE and SPEE. He is an honorary member of Tau Beta Pi, Chi Epsilon, Pi Tau Sigma, and Tau Omega. He is also an honorary member of Sigma Chi, and Triangle social fraternities.

But Professor Huntly is not just interested in engineering and research alone. He is a very prominent citizen in the village of Riverside where he lives. He has served on the Village Board for the last eleven years and was president of the board for four of those years.

He devotes his leisure hours to gardening and golf. But he is especially devoted to farming. He owns several truck farms and cotton fields in Texas and Arkansas where he spends as many as twelve hours a day working during the summer months.



After extensive research, I have uncovered the three most famous characters in recent history. They are: Phineas Fern-ortin, the world's most active peeking tom; Kilroy, who goes places, but never does anything except write on lavatory walls; and Schultz, whose death almost became a national legal holiday.

—IIT—
"I hear this is a good resort for men who have asthma."

"Yes, the girls here are so dumb they can't tell it from passion."

—IIT—
"I tell you that I won't have this room," protested the old lady to the bell-boy, who was conducting her. "I ain't goin' to pay my good money for a pigsty with a measly little fold-in' bed in it. If you think that just 'cause I'm from the coun-

try—"
Profoundly disgusted, the boy cut her short. "Get in mum, get in. Tis ain't your room, this is the elevator."

—IIT—
Lady: "Can you give me a room and bath?"
Clerk: "I can give you a room, madam, but you will have to take your own bath."

EE: "Does this bus stop at 78th Street?"

CE: "Yes, watch me and get off one block before I do."

(See Slipstick on page 7)

Curtain Call

by Bill Knowles

Some time ago I happened to read a book about the history of the theatre. In the first few chapters it tried to explain why drama is known as the bastard art. It followed the development of the theatre from the noble Greek festivals of Dionysus through the sensual Roman Circus into its eclipse in the dark ages.

From there the book went on to explain how the art of playing was revived in the form of chancel plays in the churches and finally moved out into the secular world again in the form of the morality play processions. These plays, it seems, were performed on huge platforms mounted on wagons which were drawn from town to town, the performance taking place all the while.

The morality plays, you see, were highly allegorical with the characters representing various vices and virtues. At the end of each scene when virtue had triumphed over vice the virtues retired through a blue door representing heaven, while the vices slinked off through an orange door representing hell. The bastardization of the art took place, so the book said, when the spectators began to be much more interested in the orange characters than in the blue ones. That the orange characters are still the more popular ones must be the reason why "Follow the Girls" is enjoying such a long run.

As all musicals, "Follow the Girls" does not have a plot. Oh, there is some monkey business involving a Russian dancer and some spies and a boy and a girl and a bunch of guys who look like V-12 ensigns, and a hardboiled CPO. But that never interferes with the real purpose of the show which is to expose as much feminine epidermis as the law will allow.

Buster West, Frank Krieg, and Al Norman do some very clever comedy routines livened up by Buster and Al's double-jointed dancing. Miss Niesen in her less revealing "I Wanta Get Married" solo shows the stuff that made her the popular entertainer that she is.

Maybe it's my unsophisticated, Ohio upbringing or maybe it's something Sigmund Freud can explain; but whatever it is I feel that "Follow the Girls" is a waste of time, money, and energy. However, if your more sophisticated and uninhibited taste runs to the orange colored characters may I suggest that instead of following the girls to the Shubert you walk the other way on State Street and see the really flesh-colored characters at the Rialto. You can buy quite a few beers with the savings.



With the breaking down of our old steam shovel, the school ordered two more brand new ones. But due to the material shortages, the manufacturer delivered two cranes instead, which are kept out on Ogden Field because of their size. Upon testing of the new equipment, the Digger submits the following report to Dr. Hudenbolzer, B.H.P. in M.E., for grading.

The long arm reached far into the depths of Robert Hardy's life to discover that his lack of interest in the Illinois Tech coeds is due to the fact that he has a woman who is a combination between a girlfriend and a mother to him. Her age is 38. The Digger unearthed a rumor that her name is Minnie.

It was at the Goblin Hop where the sorority girls were serving refreshments. The outstanding hostesses, coming in on their brooms were: Dave Hoffman, Fred Travis and Ed Zietz. From the way these three girls helped themselves behind the tables, one would think they had not eaten in several weeks.

Richard Skulski has a system for keeping his morale up. When he's disconcerted and feeling blue he calls on his girl friend. She makes a stab at his weak point above the knee and he tickles her. Then the fun begins. The feature of it is that the next day Richard has the calculus homework solved and poor Stewart "The Brain" Schlessinger wonders how he does it.

Noise in the vicinity of 105C, one morning last After buying a car from a "friend" in Wisconsin, Harold Scholin discovered that the model A Ford was without wheels. Long had Harold pounded the city's streets trying to find a set. When he finally succeeded in doing so Harold took the car for a spin. The law caught up with him and informed him of a license requirement. Harold is now considering selling the car as the students indicated a whole hearted support in the new Studebaker raffle last week.

With the mechanicals runnings the last test on the engine, the civils taking up their shovels to dig the dirt by hand, the chemicals brewing tea in the lab which the home econ girls are serving the doughnuts in the lounge, the Steam-shovel is abandoned until next week at the same time in the same space.

THE BROKEN SPADE

Campus COMMENTS

EDITOR'S NOTE: This column is for expression of ideas from readers. Letters containing not more than 250 words will be printed. Anonymous letters will not be considered for publication, although a writer's name will be withheld from publication if desired.

LETTER OF THE WEEK: AVC

It appears to me that AVC, with its sober and intelligent discussions at its national meetings (as contrasted with the unrestrained brawling that characterizes the conversations of some other veteran organizations), its determination to carry out in words the promises of democracy as

they apply to all citizens, and in its policy of putting the welfare of the people as a whole above the narrower interests of veterans as a special pressure group, represents the maturest thinking that has so far been shown by any veteran organization. I feel that a chapter of AVC at IIT can perform a need function in vitalizing student thought and providing leadership in socially responsible school and community action.

(Signed) Dr. S. I. Hayakawa

This may hardly be called a letter in the formal sense, so let's call it a venting of some pent-up civic responsibilities. The motivation for this action can be laid to the thermodynamics lectures of one Professor Winston. "Brother Carr, just how long are you going to let this business of a technical education encompass you at the expense of neglecting your responsibilities bestowed upon you as a citizen?"

Let me first point out that I detest the form of destructive criticism. On innumerable occasions I have heard the views of many different students venting their wrath, and rightfully so, on such things as: the "over-eager" heating and ventilating—also the lack of same, depending whether you are in Chapin or Machinery Hall, bottlenecks in the lunch room and registration, football teams, lounging and relaxing facilities, "bookstore efficiency," ad infinitum, yakkity yakkity, yak!! Yet to date none of these grievance seekers seemed to have a constructive solution for their particular problem. This is wherein I differ.

My particular gripe concerns those of us use the Elevated System (alias the "Rattler") in our journeys back and forth to this place of learning. We, who refer to each other as "Kenwood Kagers", have a real grievance, and offer a tangible solution. The issue is basically this, a problem in Safety Engineering. We, the Kagers, are grateful for the restriction of 33rd Street to a "No Parking" area. This gives both the Jay Walkers and the motorists a clear unobstructed view. In so doing this step has eliminated many potential hazards. But the extreme opposite is found at the intersection of 33rd and State Streets. Frankly the Kagers are getting really riled at having to cross this obstacle course twice daily. It soon gets tiring to outguess the 'courteous' street cars and the "Maniac Fringe" truckers in order to gain access to the other side. True, this separates the "Quick and the Dead" in a hurry. Of late, fortunately, the latter have been in the minority, but this intersection has a "past"—and death is still waiting patiently for another victim there. Lets eliminate this hazard and put up traffic signals. Then the dazed homeward bound student body of Kagers can be assured of safe conduct on the Rattler.

I believe that in order to acquire stop lights at an intersection, the volume of traffic, both mobile and pedestrian, have to be of sufficient quantity to require automatic signaling. This isn't a State and Madison—but it certainly qualifies. Lets you—the Tech News—get behind this in a hurry and straighten out this situation—remember if you don't, the "Old Man with the Scythe" is still there waiting. When he strikes again, the "lights" will be put in. Lets beat him to the punch.

Thus, with a duo purpose of "Educating and Civilizing 'Em", I take my leave.

(Signed) John S. Carr

As a student I have watched with interest your attempts to effect (See Campus Comments on page 8)

Techmen Talk

by Mike Werth

Question: What in your opinion is the Republican landslide of this election indicative of?

Fred W. Gruber, Soph IE:

"As I see it, people just didn't like the way Democrats were handling things with regard to shortages of different commodities, re-conversion, and the O.P.A. Prices were kept down so factories just couldn't operate on a profitable basis. The President doesn't seem to be doing anything of his own

accord but is prompted by advisors. I myself can't see all these loans to Britain. Many people feel that the U.S. has too often been taken as a sucker making outright gifts disguised as loans. The Democrats are being blamed for this and the change is expected to bring about quicker reconversion and lower taxes."

Lorenz Schmidt, Soph EE:

"That's hard to say. I think people aren't satisfied with what they have, and feel it can't get any worse. People don't realize the commitments of the government. Promises of lower taxes and free competition brought many votes. I don't think the President should be blamed too much since he was caught in somewhat the same position with respect to the issues to be dealt with as a hot potato between a pair of hands; you can't let go of it with both hands at the same time. Many voters were also quite disgusted with the Chicago political machine and as a result many good men had to suffer. High pressure advertising also affected the direction of voting."

John Wolfe, Soph ChE:

"Most people voted G.O.P. for reasons I don't agree with. They voted Republican because they believed that the meat shortage and housing shortage was due to the bungling of Washington bureaucrats. Most Americans are getting fed up with handing goods, and services to foreign countries which seem to be using it for purposes other than intended. In their minds Republicans always stood for Americans first. Big business wanted to get rid of business restrictions. I don't think this landslide will improve things. In my opinion most people didn't know what they were voting for, didn't know much about party differences nor about individual candidates."

INFORMATION FOR FREE

Among the most mutually disliked people in the world are teachers.

Anybody who chances to stray to the editorial column of *Technology News* can find wrapped up in capsule form the most frequent sins committed by that form of human species (the term is used advisably).

Because teachers over the world have failed to set up favorable press relations the general impression has gotten around that teachers lack that certain something. The flame of students' imagination has been flamed by the occasional instructor who staggers into a classroom with a glassy look in his orb, goes to work feverishly with chalk and eraser while giving with the meatballs of wisdom, and is not shut off until the final bell rings.

Only last week Angelo Patri (a gent who is on the "must" list for the well-rounded student along with Dorothy Dix and Shelia John Daly) observed that the reputation of a school depends upon its teachers. In that case, orchids to the News Bureau, which had to overcome such a great disadvantage in ballyhooing Illinois Tech as the mecca of engineering talent in the Midwest.

But this was to be a propaganda piece to promote sympathy for teachers.

Actually teachers have been reported to have some human traits. Many are kind to their offspring—they take the kiddies down to the delicatessen every month to look at the candy in the window. Others are gentle to their family—beating their wives only twice a week.

Others have such utterly human habits as collecting records (jazz, at that) and—horrors!—even sneaking an occasional look at the daily sports pages.

Like normal, everyday hoomin beans, teachers are prey to the axiom; misery loves company. For instance, no self-respecting teacher would dare to take up residence in a neighborhood other than that surrounding the University of Chicago. Perhaps some of them feel that the university radiates knowledge. Others, in lieu of taking in a movie on a dull afternoon, may want to skip over to stagg field in the hopes of seeing Harry Urey, Art Compton and the boys make with the uranium.

In any case, teachers should fight for their rights. They should demand to be withdrawn from "neuter" and classed as "male" or "female."

The current rage in obtaining "rights" is by striking. Let's have a big, ripping-roaring teachers' strike against the student body . . . with Bernie Weissman as the John L. Lewis of the Teachers' Union.

Hope Humor Pours Forth Into Print

Bob Hope, nucleus of that Pepsodent pandemonium, has penned a commentary of the first year of a world at peace that classes him as the Picasso of the literary world. "So This is Peace," pours forth a myriad of that standard Hope humor which convulses millions of his radio listeners weekly.

The work describes the ugly truth of the year of peace, commencing with the housing shortage and all the way up to our foreign policy. However, Hope deals with these matters in a continual run of a glorified "Slipstick." In describing shortages and the empty racks of the haberdashery shops with clerks clad in undershorts, Hope identifies them as Hart, Schaffner, and Marx. There wasn't much concerning scientific progress in the post war era but he did have this to say concerning the Bikini experiment. "The only place on earth that hadn't been touched by war was blown to hell." President Truman is summed up as, "the man with the Independence look 'Laughing on the outside, crying on the inside'."

John L. Lewis is congenially referred to as "the guy with a lump of coal over each eye."

IIT Department Heads Combine To Solve Steamshovel Dilemma

by George O'Brien

Noticing the presence of a mixing concession on the campus, and the conquest apparatus used, a hypothetical question came up at the daily conference of sidewalk supervisors which stated, "What would happen if the steam shovel ever ran out of gasoline and couldn't get out of the pit it had created?" A committee was hurriedly formed and in investigating material for a plausible answer, ran across this report in a back issue of "Burly Girlies" which went on to say:

" . . . The campus was thrown into an uproar and several of the vitally interested, five in all, were detailed to get a concensus of opinion on how the steam-shovel could be removed without the use of gasoline. To get at the base of the trouble we looked up the operator of the machine and after a time found him in a local tavern, sobbing quietly into his beer. His only solution was to wait until some gasoline could be obtained, but in the interest of continuing the job at once, he decided that the departments of the school might be able to offer some answer that would take the heartbreak out of the delay.

"Upon consulting the Chemical Engineering department, and interrupting them at their task of undenaturing lab alky for the bottle trade, the question was passed around and after several hours in a profound huddle, they suggested that one should pipe the pit full of acid, dissolve the steam shovel therein, pipe the acid out and reverse the reaction. This should give you your steam-shovel, they said.

"But lest the other departments feel slighted, we went around to each of them in turn and got their answers. The Electricals suggested that the only way to do it would be to seal it in a vacuum tube, turn on an appropriate amount of juice, and collect it in a condenser. They stated some rather lengthy theorems about it's just being a case of whirling electrons, which you could funnel into a wire, and after piling them up in the condensor, carefully unwrap the outsides, and . . . Presto! Steam-Shovel!

"To get another slant on the subject, we went to the Fire-Protects. They stopped us cold with the question: "Does it have the official seal?" While we were framing an answer, they ushered us out of the office with considerable evidences of shattered dignity. Shaken in spirit but not in intent, we continued in search of answers.

"The department of Mathematics being our next stop, we considered the terrors of running across a lurking "Square Root of Minus One." The gentleman who met us was very cordial, telling us to pull up an integral and sit down while he saw what he could do about it. Several hours later we heard a muffled voice through the vast stacks of paper that had accumulated asking for an aspirin. We gave him one and tip-toed quietly away.

"While on our way to the Mechanicals, we ran into the Civils survey-

ing a lot for the erection of a May-pole. Having narrowly escaped a few miscellaneous black eyes, we put the question to them and after a short time they suggested a way of laying a train of dynamite charges that would move the steamshovel out of the pit . . . or somewhere. They went on to say a thorough study of the matter would be necessary and that they would see to it that we would receive an answer shortly.

"We continued on our way to the Mechanicals and finding that most of the department was out to lunch, we looked up the anchor watch. We found three of them taking a shower under a leaky steam valve bravely singing "Three Little Fishes." Irreverently breaking into one of the solo parts we threw the riddle into their faces. Without even breaking the rythm of their song they gave us an answer based on the elements of their craft. All one would need, said the bass as he latered his slide rule, would be a lever and a fulcrum. Wiping some of the soap out of the magnifier, he said that if we provided a lever three miles, twenty-eight feet, and three and one-half inches long, he would take a day off and supervise the job. Just about then a high pressure line burst and sent scalding clouds of steam all over the room. We dashed out and even as we closed the door, we heard the faint harmony of "Old Mill Stream" above the mad hiss of escaping steam.

"We were on our way to the Industrial Engineering department when we fortunately ran into one of the oracles of the finance page. Learning of our quest, he stated that there was no solution to the problem except to leave the shovel in the pit and let it rust away to provide a demand for a new one. He let this sink in, muttered an enigmatic "Hah" and stalked away . . ."

The report went on to elaborate what was finally done, telling of the action finally taken when the long overdue gas truck arrived. A not of tragedy was struck when they found the mathematician two weeks later in a state of semi-starvation, still worrying on the problem. The details of the 95 page report turned in by the Civils were not disclosed but it was remarked that the Fire Protects were being held under suspicion of withholding the gas-line due to the fire hazard it would have created.

When this article was presented to the sidewalk superintendants they generally agreed that it was a good idea to have a bit of gasoline around in case of emergencies and in the event that no gasoline was in evidence, that this report be available to any distressed parties.

Developing Broadminded Engrs. Is Aim of Civil Department

by Sam Rand

Civil Engineering is the oldest branch of engineering and, as such, it has played a very important role in the history of man. It is directed by Prof. Phil Huntly.

It has also played a most important part in the history of

Armour Institute of Technology. The Civil major was first instituted here in the year 1899 when the school was only seven years old. At that time, the late Dr. Alfred E. Phillips was the only CE instructor. In 1901, he was joined by Professor Melvin Baker Wells, who is now in retirement.

Through the years the Civil Engineering Department has become more and more an integral part of the Institute. The present personnel include such competent men as Professor Phil C. Huntly, Professor John C. Penn, Associate

Professor Roe L. Stevens, Assistant Professor E. I. Fiesenheiser, Assistant Professor George W. Grantham, Instructors R. W. Sauer, John Butkus and K. Milbrath.

The Armour CE students of 1900 had in many ways the same curriculum that the present CE dept. has. Main differences are that the present courses, while not as complete, includes more mechanical and electrical courses and less structural design.

(See Broadminded Engrs. on page 7)

LL&P Department Head Replies To Calls for Speech Courses

by Dr. Walter Hendricks

The department of Language, Literature, and Philosophy is pleased to respond to the inquiries in recent issues of the *Technology News* regarding courses in speech.

A correction should first be made, however, of the remark that speech is "never offered." Up to the beginning of the war, courses in speech were given practically every semester. The wire recorder was used in all its experimental models, in course after course; and it is only a few years ago that Dr. Hayakawa and Dr. Meech conducted sections in speech correction.

Moreover, the work in speech has been a matter of deep concern not only to this department but to the curriculum committee as well, and particularly to our former dean and vice president, Dr. L. E. Grinter. Many hours were spent investigating the programs of other schools, particularly engineering schools; and men trained in speech were invited to the Institute for an interview.

No definite action resulted from these inquiries and interviews principally because the war was upon us and it was not possible for the Institute to set up the kind of program that its standards required.

For creditable work in speech, trained men would have to be hired, men who are familiar with psychology and physiology, men who are methodical and scientific. They will need a sound laboratory, recording devices, anatomical charts, as well as proper rooms or auditoriums with adequate acoustic, lighting, and ventilating facilities. Besides, the work must not be offered to a mere twenty or thirty students, but required of an entire class, whether sophomore or senior. Only such a program would be worthy of inclusion in our curriculum.

That is the type of program the Administration and this department are working on. But such a project to be done in the way I have mentioned would require the services of probably fifteen or more instructors, as at Purdue, and would demand three or six classroom hours of every student's time.

If it had not been for the war, doubtless some such program—probably somewhat limited to begin with—would have been set up. Once the war was over, the avalanche of students figuratively rushed us off our feet. Now trained men are very difficult to find, and our room prob-

Newman Club Hears Discussion of Russia By Guest Speaker

Dr. Mogilnitsky, guest speaker of the Newman Club, discussed the causes and the results of the Russian revolution at the club meeting last Tuesday. Dr. Mogilnitsky, who taught for twelve years in Russia, now teaches economics at Loyola University.

Communism in Russia was traced from its state immediately after the revolution in 1917 to its present form.

"Only two percent of the Russians are members of the Communist party," Dr. Mogilnitsky stated, "but this does not indicate a lack of faith in communism by the people, since only extremely rabid communists are permitted to join. This permits the party, while extremely small, to be extremely strong. In the United States," he continued, "a person can state his beliefs and form groups to further develop these beliefs, but he cannot resort to violence. In Russia, however, the exact opposite is true; the only groups that are permitted are those organized in conjunction with the Communist party, while the government has continually resorted to violence to further its aims."

The next meeting of the Newman Club will be a mixer, planned for Tuesday evening, November 19, said James Hartnett, president. Girls from the Chicago Teachers College have been invited, and dancing will follow the discussion.

Pledges of APO Will Compile Directory of Profs, Senior Students

Entering freshmen will soon be aided in the task orienting themselves on the campus by a large detailed map of IIT on their bulletin board. Directories of senior students and faculty members will also be published and distributed to the student body.

These are two of the projects being undertaken as pledge duties by the following men who are pledging Alpha Phi Omega: William Andrews, Dudley Budlong, William Dassie, Emil Donkers, Roger Drefin, William Goldman, Peter Krakowsky, Paul Meyer, Lavern Miller, David Pasik, Carl Pearson, DeWitt Pickens, Richard Poedtke, and Carl Weber.

Other projects on the activity list are the construction of Alpha Phi Omega plaques and the designing of a chapter flag.

The fraternity is planning to have a wienie roast on November 3, at one of Chicago's forest preserves, according to Ed Knoel, social chairman.

Funds for the fraternity will be raised by selling boxed Christmas cards on the campus. A sales booth will be set up in the Student Union lobby in the near future.

Pan-Hell Plans to Hold Monthly Social

The first of the newly scheduled monthly afternoon socials to be sponsored by the Pan-Hellenic council will be held in the East Dining room, tomorrow, from 4:30 to 6 p.m. announced Miss Mollie Cohen, Pan-Hellenic sponsor. These affairs will be open to all students and faculty members. Refreshments will be served and there will be music throughout the afternoon.

Funds to sponsor the afternoon socials were voted the Pan-Hellenic council by the ITSA at the last regular meeting. John Makielski, president of the ITSA, in speaking of the party, complimented the group and voiced the opinion that these affairs should become permanent popular gatherings.

Juniors Meet Friday

A meeting of the junior class will be held Friday at 11 a.m., announced Harry Twickler, president. The junior class sponsored dance is just a few weeks away, so this meeting will be very important in organizing the committees. He added the meeting room will be posted on bulletin boards and signs reminding the class will also be posted.

Pi Deltas Meet Tomorrow

Pi Delta Epsilon, national honorary journalism fraternity, will meet tomorrow, announced Bill Burkhart, president. The meeting will be held at 5 p.m. in room 105 Chapin.

Illinois Tech Branch of SAE Being Organized

A student branch of the SAE, Society of Automotive Engineers, will be organized at IIT this Friday at 11 a.m., in room 217 Chapin Hall, said Hans Wenzel, acting chairman. All members of SAE and those interested in joining are urged to attend this meeting. Officers will be elected and activities for the semester planned.

The aims of the SAE are to promote the arts and sciences, and engineering practices connected with the design, construction and utilization of automotive apparatus. The term automotive includes automobiles, aircraft, trucks and buses, tractors, and other vehicles powered by internal combustion engines.

ASCE To See Movies of Bridge Failure at Meeting

Movies of the failure of the Tacoma Narrows bridge will be featured at the meeting of the IIT student chapter of the ASCE this Friday at 11 a.m.

The location of the meeting will be posted on the civil engineering and main bulletin boards today. In announcing the program, Henry Hawry, president urged all civils to attend and view the fatal classic bridge collapse. He added that persons still desiring membership in the group could obtain it at this meeting.

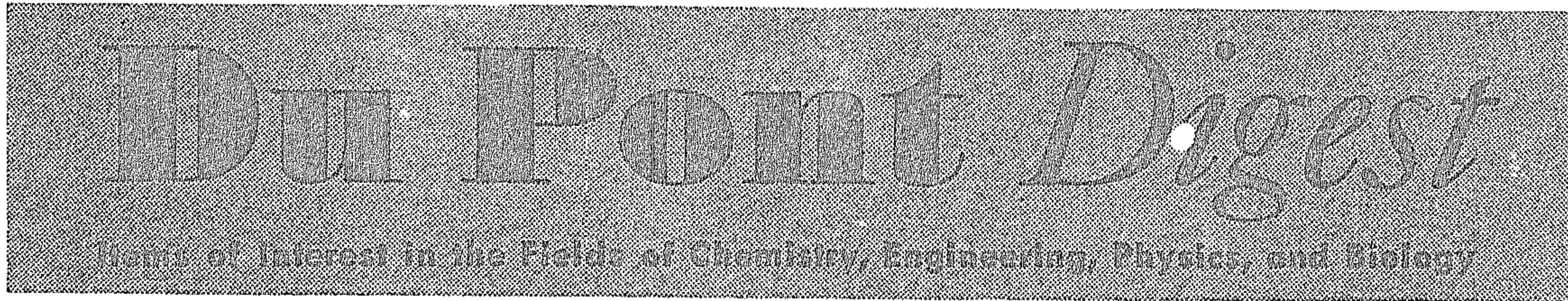
lem is critical. Notwithstanding, some definite steps toward offering such a course in the second semester will doubtless be taken.

If, in the meantime, a student is really serious about the matter and would like to obtain some training, he should investigate the opportunities presented by the dramatic organization, which, according to the latest issue of *Technology News*, is planning to produce three plays.

Finally, a kindly word of warning or advice. Speech is merely a technique or a training. In technical drawing it would be the equivalent of instruction in handling one's tools. That may be important, but more important is the intelligence behind the tools.

Hitler, for example, knew how to speak, but what he needed was an education to make him a good man. A course in Shakespeare might have told him that a cruel and unjust man cannot get away with murder. Such a course might have saved millions of lives and billions of dollars.

Walter Hendricks

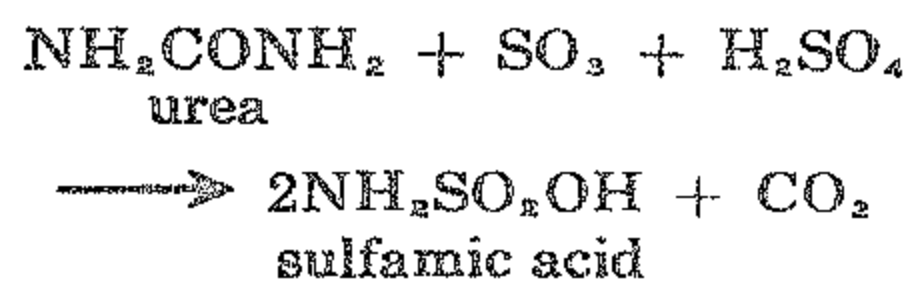


Low-Cost Sulfamic Acid Was Result of Newly Discovered Process

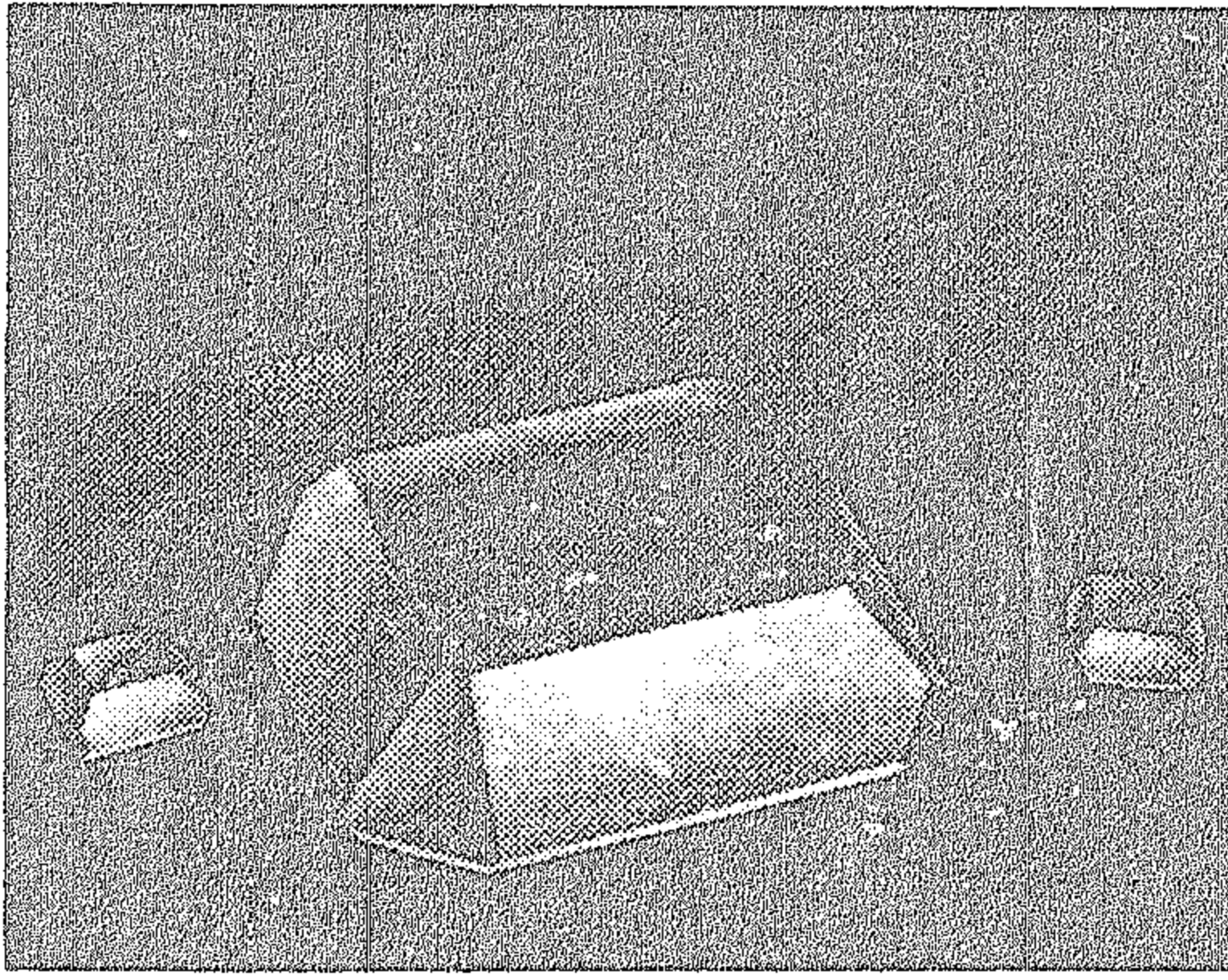
Once obscure laboratory chemical now finding wide use in industry

Sulfamic acid, which for years was merely another obscure laboratory chemical, is today being produced in carload quantities for a constantly growing list of uses because of a discovery made by a Du Pont chemist.

Believing that urea could be sulfonated to give a product which might have commercial utility, the chemist treated urea with fuming sulfuric acid. The reaction was exceedingly violent, and it appeared that decomposition had taken place to give ordinary ammonium sulfate. However, the chemist noted that the white precipitate which had formed did not dissolve rapidly in water as ammonium sulfate should, and further investigation proved that he had obtained sulfamic acid.



Thus the way was pointed to an inexpensive method of making this



Crystals of sulfamic acid

scarcely known chemical, and an intensive study of its chemical and physical properties has led to its development for a wide variety of industrial uses.

First Industrial Applications

The salts of sulfamic acid are being used extensively as flame-proofing agents. Highly compatible with cellulose, ammonium sulfamate is unique among fire retardants in that it does not cause stiffening or otherwise adversely affect the hand or feel of textiles and paper.

Another outstanding use for ammonium sulfamate is as a weed killer for the control of poison ivy, ragweed, and a variety of noxious annuals. Its effect on poison ivy is unmatched by any other product.

One of the most important industrial applications for sulfamic acid is based on the fact that it reacts quantitatively and very rapidly with nitrous acid. This has led to its wide use in eliminating the excess nitrite employed in diazotization reactions

for dye and colored pigment manufacture.

Soluble in Water and Non-hygroscopic

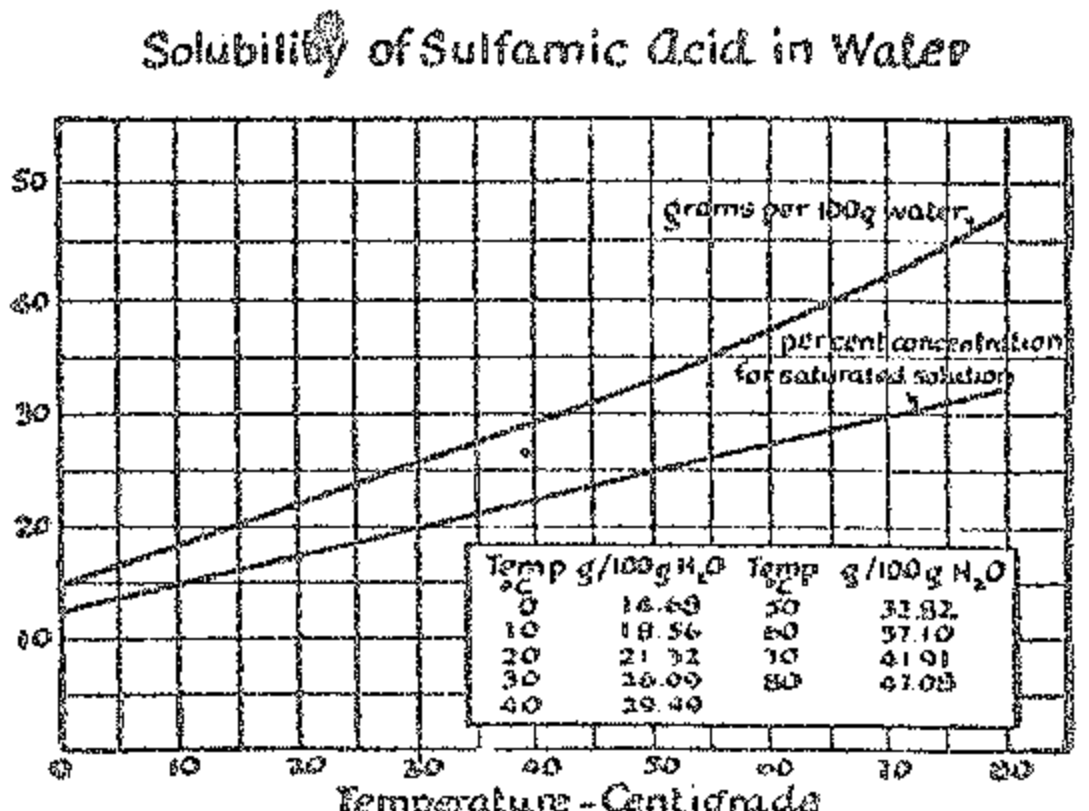
Sulfamic acid is a strong acid, and despite the fact that it is exceedingly soluble in water, it is a solid non-hygroscopic, non-volatile material which has found application as a laboratory titrimetric standard. Additional information will be found in the bulletin "Sulfamic Acid and Its Salts." Write to 2521 Nemours Bldg., Wilmington, Delaware.

Understandably, men of Du Pont are proud that their work in the laboratory has created and developed many products like this "chemical curiosity" to help make life safer, more pleasant and comfortable for all Americans.

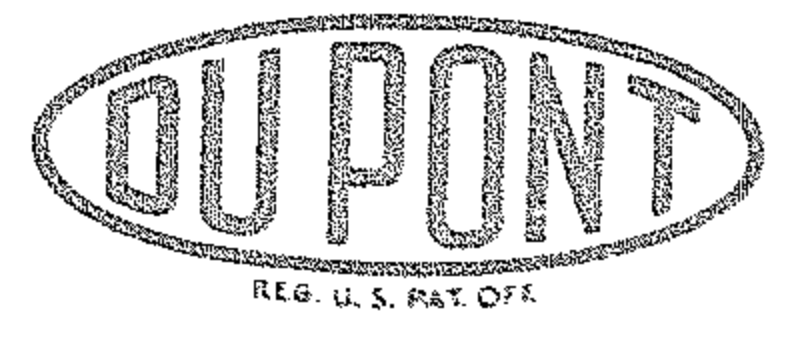
Questions College Men ask about working with Du Pont

IS THERE A FUTURE FOR ME AT DU PONT?

Every effort is made to initially select graduates for a specific job in line with their training and expressed preferences. Men are advanced as rapidly as their capabilities permit and openings occur. The broad research program and the ever expanding development of new chemical products as well as the growth of old established products offer ample opportunities for the technical graduate to grow in the organization.



More facts about Du Pont—Listen to "Cavalcade of America," Mondays, 7 P.M. CST, on NBC



BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY
E. I. DU PONT DE NEMOURS & CO. (INC.)
WILMINGTON 98, DELAWARE

Professors Jakob and Morgan Discuss Advancements in Astronomical Research

Professor Max Jakob, research professor of mechanical engineering, and Doctor William Wilson Morgan, associate professor of astrophysics, at the University of Chicago's Yerkes Observatory, were the principle speakers at last Wednesday's meeting of the IIT chapter of the Sigma Xi.

Dr. Jakob discussed the value of astronomical research to a technological institution like IIT, stated that, "We are in a science of one world, which is a rapidly expanding world. The astronomer is of the same scientific world. We here at Illinois Tech find it impossible to know what goes on in every corner of the scientific world, however, it is desirable to know what goes on in the astronomical corner of the scientific world."

He also pointed out that the practical sciences have been developed from astronomy, e.g. mechanics, dynamics, Newton's Laws and Kepler's Laws. From astronomical research has stemmed the fields of

spectral analysis, Fraunhofer lines, optics, and photography.

Dr. Morgan, in discussing some of the latest advancements in astronomical research, mentioned a new instrument, the coronometer. This instrument makes it possible to photograph the corona of the sun in daylight where previously it was only visible during an eclipse. Dr. Morgan attributed some of the latest successes in astronomical research to the cooperative system in the use by the observatories. Photos of the galaxies and star clusters were displayed by Dr. Morgan. It is from the study of other galaxies that we learn so much of the galaxy in which our own planet is situated, he stated.

Math Club Elects Robert D. Teasdale As New President

At a recent election, the Math Club selected Robert D. Teasdale as its new president. Other new officers of the club include: Secretary, Chandler L. Sammons, and program chairman, Milton F. Searl.

Searl announced that the club will hold a meeting in Room 205 Chapin at 11 a.m. Friday. Robert Teasdale will lecture on the "Gamma Function" and the "Error Function" and Milton Searl will talk on "Prime Numbers."

President Teasdale indicated that the Math Club would like to emphasize that its general object is to present advanced concepts in as (See Math Club on page 7)

Armour Eye Holds Planning Meeting

New life will be injected into Armour Eye this term, announced Arnold Rosner, president, at the club regular meeting last Wednesday evening. In order to stimulate activity, a motion was proposed and adopted that all pledges be required to submit at least one salon print to the club. These prints will be judged and those found suitable will be placed on display in the Student Union.

One of the first projects of the camera club for this term, will be the photo contest which *Technology News* is co-sponsoring. All future meetings of the club will feature either speaker or movies and all members of the student body are

Graduating Seniors Must Check with Registrar

The registrar has announced that all graduating seniors must check with the office to insure proper spelling of their names and correct accounting of graduating credits.

The graduating senior class will meet this Friday, according to Fred Travis, president. The room will be announced. The senior farewell and commencement particulars will top the meeting agenda.

invited to attend.

The meeting closed with the showing of our movies. One movie was on flash photography, another was a news reel, the third was *Camera Magic* and the last was a war department film on *photographic interpretation*.

Fraternities and Sororities

PI KAPPA PHI

Alpha Phi chapter of Pi Kappa Phi will inaugurate a series of open informal dances this week, according to an announcement made by Ralph Belke, historian of the fraternity. The dances will be held each Saturday evening, unless the Chapter has planned another activity for the same night.

Pledge period of the current pledge class has continued with active members sitting in on some of the meetings, stated Pledgmaster Van Ness. The pledge are learning their lessons well under his direction, other activities added.

Plans have been made for a fraternity hayride to be carried out Saturday night on the northwest side.

DELTA TAU DELTA

To make it a full week end, after attending the "Serenade in Gold" in strong numbers, the Delts are backing a combined Barn Dance, scavenger hunt and beer party the next

New Group Being Formed By IIT Foreign Students

A general meeting of IIT foreign students sponsored by Dr. F. K. Richter, associate professor of the language and literary department, was held Monday, November 4. The purpose of the meeting was to promote internationalism, to bring these students in harmony irrespective of race, color, or religion and to acquaint them with the sports and social life of the United States. A committee was appointed to frame a constitution and to plan activities for the society.

At the meeting held yesterday in Chapin Hall, the proposed constitution was introduced and discussed.

day. Emphasis will be placed on each of the various forms of entertainment in more or less succession, commented Tom Gelavan, social entrepreneur. The cork in the barrel has been to find a suitable barn—off the campus.

Future social events for the semester include the traditional Christmas party and a proposed New Year's celebration.

Winning pause

DRINK Coca-Cola

BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY COCA-COLA BOTTLING CO., OF CHICAGO, INC.

5¢

SKIPPERS BEWARE!

LONG ISLAND SOUND

SKIPPER MACINTYRE IS BLANKETED BY THE LEADER IN A RACE OF ATLANTIC (30FT.) CLASS BOATS...

SHE'S STILL BLANKETED BY NO.101—NOW SHE'S GOING OFF ON ANOTHER TACK

HARD A-LEE!

OR IS SHE? NO! IT'S A FEINT TACK—THAT MACINTYRE GIRL IS A REAL CHAMPION

NO LUCK, LOIS. THEY TACKED RIGHT WITH US!

THEY'RE FOOTING ON US EVERY SECOND

I'VE GOT AN IDEA—THE TRICK WE USED IN THE NATIONAL—MAKE IT GOOD!

TO GET OUT FROM UNDER BLANKET OF OPPONENT'S SAILS, SKIPPER MACINTYRE (26) CALLS OUT FAKE ORDER TO TACK. HER CREW GOES THROUGH MOTIONS OF TACKING, BUT—AS OPPONENT (101) ALSO TACKS TO KEEP HER COVERED—SHE FALLS BACK ON HER ORIGINAL COURSE AND GETS INTO CLEAR BEFORE OPPONENT DISCOVERS THE TRICK

THEY FELL FOR IT BEAUTIFULLY, LOIS. THEY'LL NEVER CATCH US NOW!

NICE ACTING, GIRLS! WE'RE HEADING FOR THE FINISH LINE!

—AND THE CHAMPION WINS AGAIN!

THAT WAS A WELL-EARNED VICTORY, YOUNG WOMAN

I SEE YOU ALSO SMOKE CAMELS, MISS MACINTYRE

CAMELS ARE FIRST WITH ME ON EVERY COUNT! THEY ALWAYS TASTE GOOD!

YOUR "T-ZONE" WILL TELL YOU... T for Taste... T for Throat... that's your proving ground for any cigarette. See if Camels don't suit your "T-Zone" to a "T."

CAMELS ARE EASY ON MY THROAT... AND TOPS FOR TASTE. THEY SUIT ME TO A 'T'

LOIS Macintyre

COSTLIER TOBACCOS

CAMEL

"Jimmy" Conzelman to Head Speakers at Sports Smoker

Famous Chicago Cardinal Coach Noted For Group Discussions, Varied Interests

Heading the program of the first annual Alumni-Honor I Smoker, which will be held on Wednesday, Nov. 20, is principal speaker, "Jimmy" Conzelman, coach of the Chicago Cardinals professional football team. In addition to Conzelman, invitations have been sent to Hal Totten radio sports announcer, and Arch Ward, Warren Brown, and John P. Carmichael noted sports writers.

Conzelman, famous for his varied interests, is classed as one of the best after-dinner speakers in the country. This is readily understandable when "Jimmy's" past life is revealed.

At one time Conzelman tried his hand as a songwriter, a boxer, a pianist, and actor as well as a sports editor, wrestler, and football player. When the Cardinals were returning from a football game in the East recently, eight members of the team composed a squad victory song. Without a doubt, Conzelman with his "musical background" was an overseer on the project.

Conzelman proved that his ability in the field of sports was not limited to the gridiron when he won the light heavy-weight boxing championship at Great Lakes during World War I. In 1917 he starred as a quarterback on the Bluejackets squad.

Conzelman first made a name for himself at St. Louis' Washington University. After graduation he wrote the first page of his professional football history by playing with the Rock Island Independents. Later he coached the Milwaukee Badgers, and then served as a player-coach of the Providence Steam Rollers when they won the National Football league championship in 1920.

In the late thirties Conzelman returned to his Alma Mater to assume duties as head football coach. Conzelman left Washington University in 1940, and became vice-president and head coach of the Cardinals. After a short stint as assistant to the president of the St. Louis Browns baseball club, Conzelman resumed his duties as coach of the Cardinals.

Students interested in attending the banquet may obtain tickets in the Alumni Office. Since catering services are limited, only 500 people will be served. Reservations are \$1.85 a plate.

Honorary Pledges Twelve Athletes

Twelve men have been pledged by Honor I this semester. The pledges and the sports they participated in are: Charles Achinikian, baseball; Vincent Biccichi, baseball; Jim Ferguson, tennis; Warren Melgaard, baseball; Don Johnson, wrestling.

Ray Murphy, baseball and basketball; Joseph McNerney, swimming; Richard Lund, track; Arnie Neime, track; Ben Sutton, track; Edward Lindahl, track; and Charles Sammons, track.

The informal pledge party will be held on Friday evening, Nov. 15, with the following week as pledge week. On Monday evening, the formal initiation banquet will be held. The pledges and actives will be notified as to the time and place of these meetings.

On Friday, November 15, at 11:00 a.m., there will be a meeting in Bernard "Sonny" Weissman's office for all actives.

Cheerleaders Select New Uniforms, Perfect Plans

As an answer to numerous queries of "Why not more school spirit?" the cheerleaders are again organizing Tech's pep enthusiasts. With the first basketball game scheduled for Tuesday, December 3, the rabble rousers are accelerating activities, ordering new uniforms, perfecting their lively techniques, and lining up plans for a fun packed winter sports season.

Swimmers Clocked; Lawrence Added to List of Opponents

Swimming coach John Ahern reported that the tankers have been working into fine shape for the coming season.

The swimmers were clocked last week and excellent times were turned in by Art Atleman and Dave Peter in the 220 and 440 yard events, Bill Maiers, back stroke specialist of last year's squad, surprised everyone by swimming the hundred yard free style in less than a minute.

The diving board is expected to be up this week enabling the potential divers to work out.

A meet has been scheduled with Lawrence at Appleton for January 11. De Pauw, of Greencastle, Indiana, is scheduled for February 28. A game is pending with the University of Detroit but date difficulties have prevented it so far.

Home and home games are also pending with De Paul, Loyola, and Chicago Teachers.

Coach Ahern expects to have between ten and twelve meets scheduled for the season.



Alpha Sigs Remain Undefeated, Beat Theta XI; Triangle Wins

Alpha Sigma Phi nosed out a strong Theta Xi team 8-0 in the waning minutes of the game last Friday.

Playing in almost complete darkness the Alpha Sigs made the most of a poor kick to nose out an aggressive Theta Xi team in the last three minutes of play. After a running play failed to put the ball over from the one foot line Peterson threw a bullet pass to Zdravetz in the end zone for the touchdown. The try for point was no good. The Theta Xi boys, with only seconds left to play were trapped in their own end zone for a safety and the other two points.

The Alpha Sigs nosed out Phi Kappa Sigma 7 to 2 in their game last week. A hard fighting Phi Kap team outrushed the Alpha Sigs through the second half to make their two points. The Alpha Sigs are the only undefeated team at the present time.

Triangle defeated a spirited but weak Praetorians team 18-0. Two long passes by Krause, one to Baum and one to Turner gave Triangle a 12-0 lead in the first few minutes. Howie Baum intercepted a pass in the second half and returned it for a touchdown for the remaining score.

Phi Kappa Sigma upset a highly touted Delta Tau Delta team 6 to 0 in the last 40 seconds of the ballgame.

The Phi Kaps turned an impending tie into a victory when Jim McNerney chased down a bad pass from center and threw a long forward to Homer Deakman for the only score in the game.

Pi Kappa Phi severely trounced Rho Delta Rho 26 to 2 to eliminate them from any chance at the IF cup. The Pi Kaps seemed to score at will

through the first half scoring four touchdowns and two extra points. The second half was shortened to six minutes by mutual agreement due to darkness. The Rho Delt lone tally came when a bad pass from center went out of the end zone.

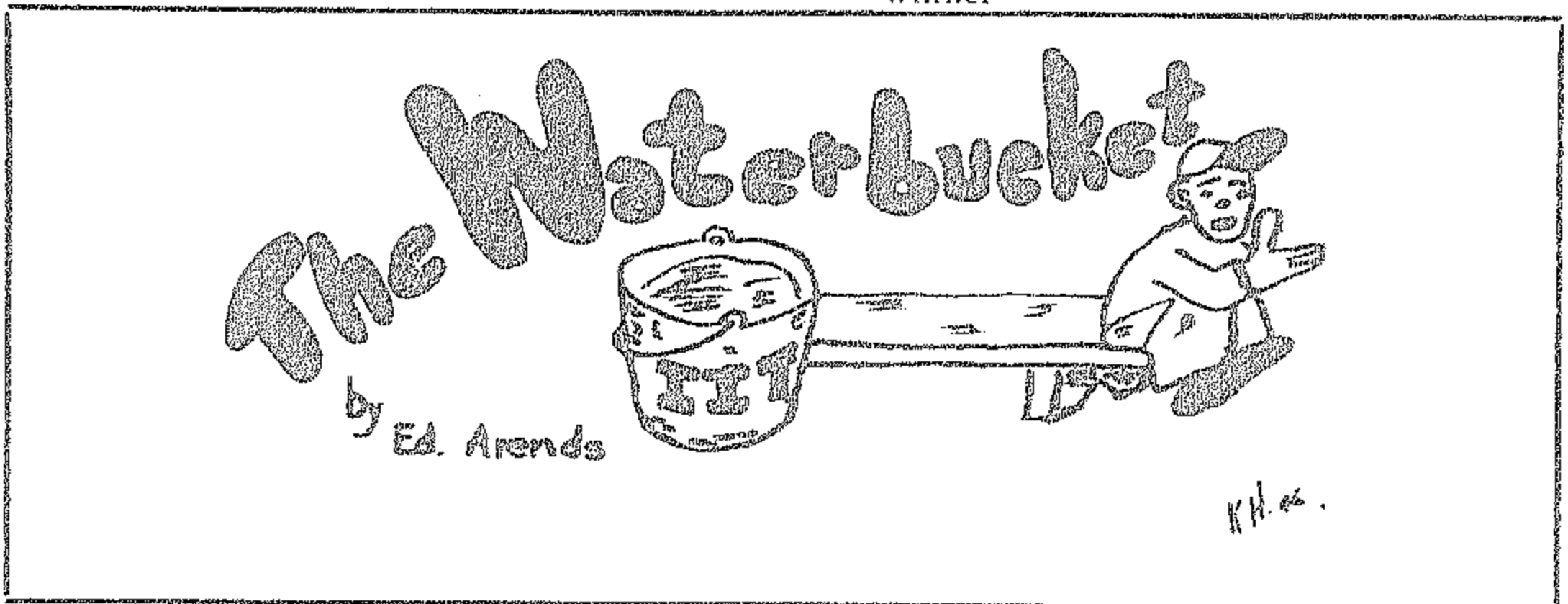
Ken Thompson has asked that all games be started by 4:15 p.m. This week in order to avoid the darkness in the last half.

THE STANDINGS

Alpha Sigma Phi	3-0
Pi Kappa Phi	2-1
Delta Tau Delta	2-1
Phi Kappa Sigma	2-1
Triangle	1-1
Rho Delta Rho	1-2
Theta Xi	1-2
Daedalians	0-1
Praetorians	0-2
Sigma Alpha Mu	0-1

SCHEDULE

Tues.: Daedalian vs. Sigma Alpha Mu
Wed.: Triangle vs. Tuesday's winner
Thurs.: Pi Kappa Phi vs. Phi Kappa Sigma
Fri.: Alpha Sigma Phi vs. Wed. or Thurs. winner



A recent Interfraternity Council verdict regarding the Delta Tau Delta—Pi Kappa Phi football game has caused considerable comment around the campus. The Delt were awarded the game on the basis that an IF official's misinterpretation of rules set up the Pi Kap's touchdown.

In the game, which the Pi Kaps won 7-6, pass interference was called against the Delt, the official placing the ball on their ten yard line and awarding the Pi Kaps a first down. The arbitex erred in this respect, since IF rules dictate that a team must make the length of the field in four downs.

After the Pi Kaps scored their touchdown and added the extra point giving them a one point lead, they proceeded to play smart football by stalling the game to clinch victory.

As mentioned before, the IFC awarded the game to the Delt. If the Pi Kaps didn't score the touchdown at the time interference was called, they might have scored later in the game at the time they were stalling.

In a summary of opinions about the campus the majority indicates that a replay should be called. In all fairness to the teams concerned, it would be best to retract the IFC decision and determine the better team by a playoff.

"Sonny" Weissman announced recently that a towel service would be available to team members, and later to all members of the student body. A dollar deposit is necessary for anyone to take advantage of the service. Weissman added that final negotiations with a laundry are being made and as soon as the towels are available, an announcement will be made in Technology News.

Senior Mech's Trounce FO's Dimwits Eliminate Senior Civils

Soph Mechanicals to Replay Senior Chems Seven Teams Left in Intramural Playoffs

Capitalizing on miscues, the Senior Mechs touchball team crushed the Senior F.O.'s 18-0 last Friday. The Mechs tallied all of their points in the first five minutes of the game and then succeeded to hold the highly touted F.O. attack in check.

The F.O.'s won the toss and elected to receive the kickoff. Three plays failed to gain, and the F.O.'s punted. After the Mechs failed to gain, Andrews punted and the ball was downed on the F.O. ten yard line. On the next play from scrimmage, the Mechs recovered an F.O. fumble. Two plays later southpaw Bill McDonough chucked a short bullet pass to Herb Howe for the first Mech marker. The try for the point failed when Capron batted down McDonough's pass.

The Mechs scored their second touchdown when George Ehrhart pass and raced ten yards to paydirt. Again the attempt for the conversion was missed.

The last Mech score resulted from a drive which started deep in their own territory. After Ehrhart intercepted an F.O. pass on the Mech 20 yard line, only two plays were needed for a touchdown. After a short flat pass gained 20 yards, "Mickey" McDonald floated a long pass into the waiting arms of Ehrhart. The Mechs missed the try for the point.

Dimwits Nip Senior Civils, 2-0

The Freshman Dimwits eliminated the Senior Civils last Wednesday when Ed Hodges of the Frosh caught Bert Lewis behind his own goal line for a safety and the lone score of the game.

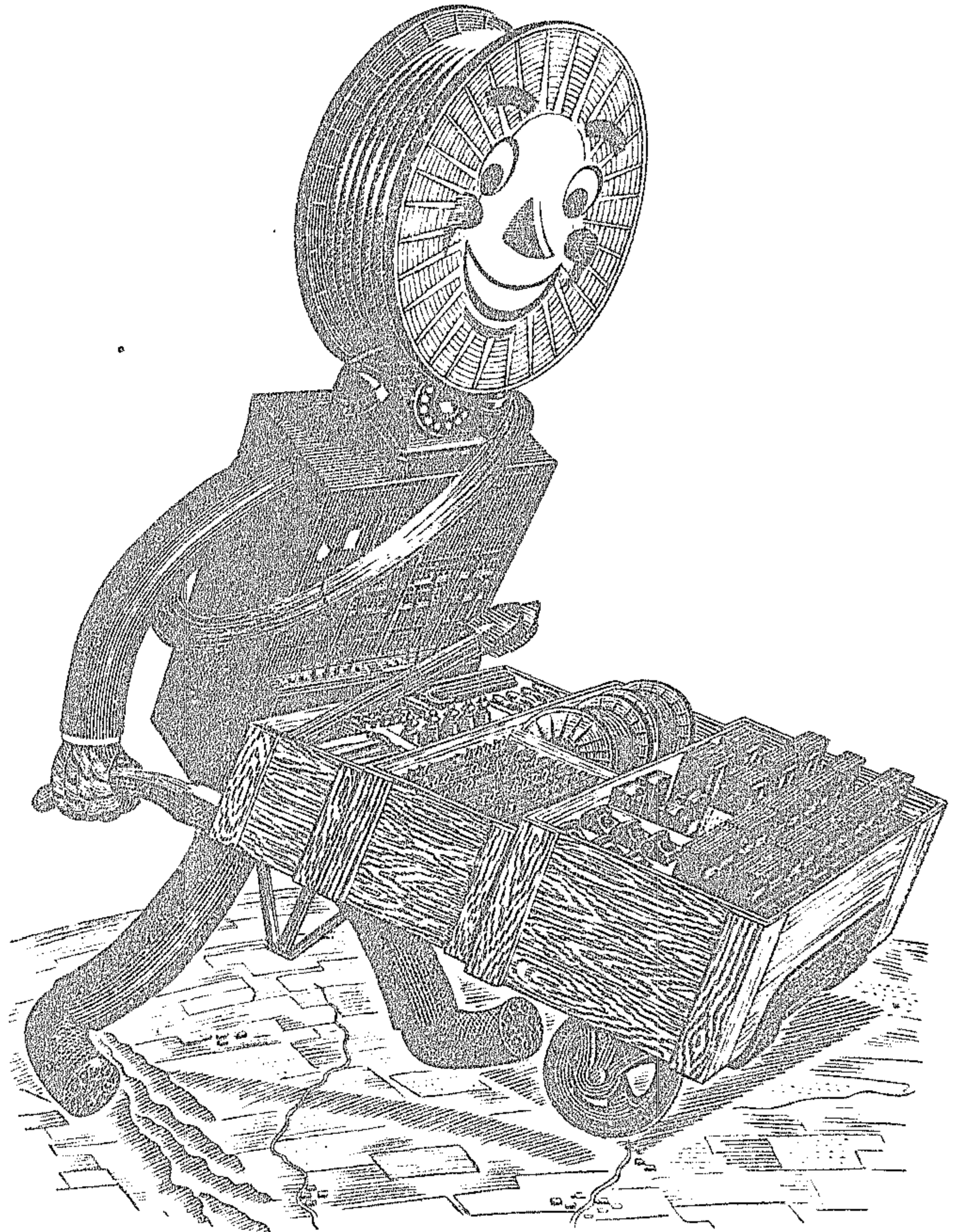
The Dimwits were constantly threatening the Senior Civils, with most of the play in the shadows of the Civils' goal posts.

High cross winds prevented a passing game, and distance of punts was kept to a minimum.

The Senior Chem-Gremlin game of last Tuesday found the Gremlins on the top of a 12-6 count, but the game was played under protest of the Chems. The Chems' defeat was due to an official's error in ruling which necessitated a replay.

The Soph Mechs forfeited their game to Dore's Freshmen and thus were eliminated from the tournament.

Seven teams remain in the tournament and it is expected that the champion of the school will be determined by the end of next week.



"I'm all over the map at once"

"It certainly keeps me on the go... my job of distributing equipment and supplies to the Bell Telephone companies throughout the nation.

"Right now I'm busier than ever... delivering telephones, switchboards, cable and countless other kinds of apparatus and supplies. They're all needed for the Bell System's construction program of more than \$2,000,000,000... to give you better-than-ever telephone service

"I maintain 29 distributing houses at strategic locations, where I keep some 10,000 different items in stock... and where I also repair telephone equipment.

"And that's only part of my job. I'm manufacturer and purchaser for the Bell System... and I install central office equipment

"Remember my name... It's Western Electric."

Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882

Planning Board Tells Program For Development of South Side

With a new impetus of assured financial backing, the South Side Development Association, under the leadership of Dr. Henry T. Heald, has announced a new membership drive. The association, formed four months ago, is asking for increased support of residents of the South Side to assist its staff of experts in accomplishing the redevelopment.

A civic program large in scope (it covers six square miles), bold in outline (it includes civic, business and welfare improvements), and wealthy in leadership (its executive board includes some of Chicago's outstanding citizens) has been organized by the South Side Development Association.

The area to be reclaimed by the association lies between Roosevelt Road and 47th street, Lake Michigan and the Pennsylvania Tracks.

In the organization are leaders in educational, religious, industrial, business, labor and welfare groups. Representative men among the association are Leigh T. Block of Inland Steel Company, W. S. Townsend of United Transport Service employees and Rev. Archibald J. Casey, Jr., Woodlawn A.M.E. church.

A comprehensive plan of slum

● HAYAKAWA

(Continued from page 1) associated with the swing toward boogie, if only for the fact that they borrowed freely from folk music and used a similar, but not quite so "reet" left hand with the right hand playing what it may.

Dr. Hayakawa's lecture concluded the first of a series of all-school assemblies planned for this term. Both of his jazz lectures were attended by record crowds.

● MATH CLUB

(Continued from page 5) clear a fashion as possible with the hope that the primary idea may be grasped by those who have had a minimum of formal training. The membership therefore is by no means limited to juniors and seniors who have taken advanced courses."

In speaking of the club, Dr. Anatol Rappaport, student faculty adviser, stated, "for anyone who is generally interested in mathematics, the club offers an opportunity for contact with topics not usually discussed in the classroom. Furthermore, for undergraduate students, presenting papers before the club is an excellent preparation for future independent research."

● SLIPSTICK

(Continued from page 2) Visitor: "Are you the executive officer? Do you know my grandson, Bill Smith?"

Exec: "Yes madam. He's on leave just now attending your funeral."

—IIT—

A farmer returned from the city to tell of the wonders of the taxicab.

"They call 'em taxidermy cabs," he said, "because they skin ya."

—IIT—

A patient complained to the doctor that his hair was coming out. "Won't you give me something to keep it in," he begged

"Take this," the doctor said kindly, as he handed the patient a pill box.

—IIT—

"Here's my bill," said the lawyer. "Please pay \$100 down and \$25 a week for one year."

"Sounds like buying an automobile," said the client.

"I am," replied the lawyer.

—IIT—

First Coed: "I'm disgusted at George. I asked him which he would prefer, me or a million dollars, and he said "the million."

Second Coed: "Don't let it worry you, he knows that if he had the million he could make the grade with you."

—IIT—

In spite of modern improvements, love is still made by hand. —Cultured Vulture

Rho Epsilon Welcomes Prospective Pledges

Last Friday evening Lloyd Giegal, president of Rho Epsilon welcomed a group of prospective pledges to the quarters of the honorary radio fraternity. On hand to extend a hand of greeting were Dr. M. B. Reed, and R. M. Soria, the past and present faculty advisers, respectively.

On display in the quarters were the various pieces of electrical equipment used by the members in their projects. Of great interest to the new men, most of whom have their own amateur radio licenses, was the nearly completed transmitter, station W9YW. A television set, originally on display at the World's Fair in 1933, was operated and a broadcast was presented as part of the evening's entertainment.

Louis Hart Represents IIT At Pi Tau Sigma Convention

Louis Hart, senior ME, was IIT's representative to the annual Pi Tau Sigma Convention held in Austin, Texas last week-end. Pi Tau Sigma is the national mechanical engineering honorary fraternity.

Hart, who was selected by the members of the local chapter to represent them, left for Austin November 5 and is expected to return to Chicago today. A report on the convention will be given at the next Pi Tau Sigma meeting.

● Broadminded Eng'rs.

(Continued from page 3)

The Department today maintains several laboratories and keeps on hand a variety of equipment including transits, levels, theodolites, plane tables, alidades, tapes, rods flags, sounding equipment and a large collection of minor instruments.

For those students who wish to specialize in special Civil Engineering fields, the department maintains a post-graduate school awarding advanced degrees in such courses as structural design, sewage and water treatment, structural mechanics and various other related subjects.

Perhaps the most well-known section of the Civil Department is the summer camp which has been run since 1905.

The present site of Camp Armour, is on a triangle of land leased from

the state conservation commission, bordering on Trout Lake in Wisconsin. It boasts eight permanent buildings the largest of which is Alfred E. Phillips Hall, which contains a dining room and houses most of the students. Professor John C. Penn, who is now in charge, has been connected with the camp since 1911.

While the Civil Engineering Department has had few innovations since its foundation here, it does hope to offer more complete courses in municipal engineering, soil mechanics, and also hopes to further improve the aeronautical option.

Professor John C. Penn said of the Civil Engineering Department that its main aim is to "develop a broad view point of engineering in CE graduates." The CE graduate as a result has been among the most well rounded engineers graduating from IIT.

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Poll Seniors For Socials

Events to be Discussed At Class Meeting Friday

All senior B students have been sent return-ballot-postcards to determine class policy in coming social functions, announced Joseph Melek, senior secretary.

A meeting of the class will be held this Friday at 11 p.m. in the auditorium at which results of the postal balloting will be revealed. Details of the "Serenade in Gold" will also be presented. In order to make the meeting a success all seniors are urged to return the stamped addressed postcards without delay, said Melek.

At the last meeting the class elected to hold voting by postcard to insure a maximum number of students voicing their opinion in the class affairs. Primary on the postal ballot was the choice of attire for the Senior Farewell of formal, semi-formal, or informal. Wit Kisocki, class president, stated the reason for the early preparations is to get the best arrangements possible for the best and biggest Senior Farewell on record.

The second item on the cards pertained to the choice of a show party or a stag or both. The seniors were to indicate their choice thereby making known their intentions of supporting the party.

Quiz and Refreshments Greet ME Frat Pledges

Hours of quizzing greeted the eleven new Pi Tau Sigma pledges last Thursday. The officers of the mechanical honorary arranged refreshments to revive the pledges, all of whom have received the pledge rules requiring them to garner sig-

natures daily, and carry the traditional paraphernalia.

The climax for the eleven men—Al Bourdon, Eric Eckberg, Don Elliot, Oliveria Tinojosa, Kurt Kuhnne, Paul Larson, William Purcelli, Gerry Schnieder, Victor Sklair, Eldred Suhr, Walter Zwierzycki—will come to the end of the two-week pledge period, when a banquet will be held in their honor.

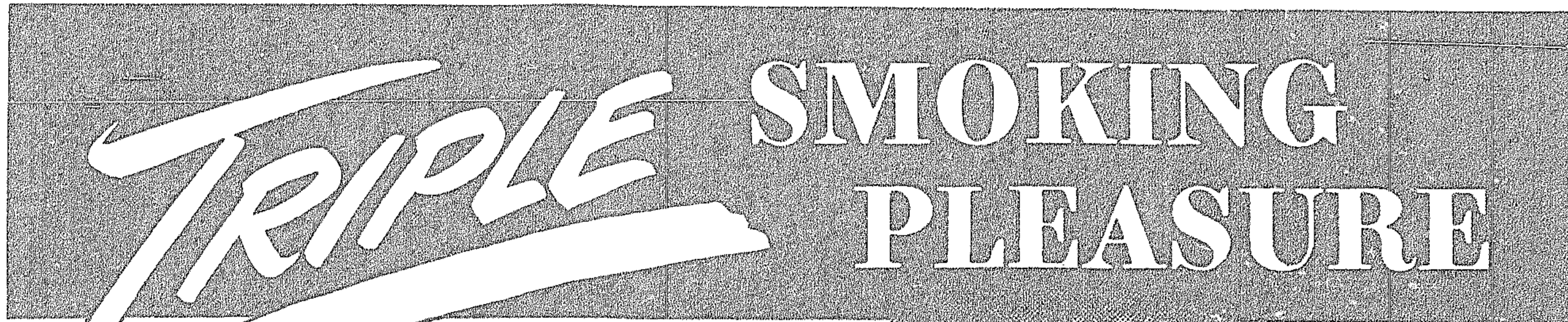
FPES Semester Officers

Elected at Recent Meeting

At the last meeting of the Fire Protective Engineer Society, elections for club officers were held. Those elected were: president, Bill Anderle; vice-president, E. J. Dymek; secretary, D. W. Ponton, and

treasurer, R. E. Weber.

Plans were then made for a meeting next Friday, in room 300 Machinery Hall when movies will be shown and then followed by the usual business at hand. A smoker is planned for Tuesday, December 3, in the Student Union.



Perry Como

STAR OF THE
CHESTERFIELD SUPPER CLUB
ALL NBC STATIONS

Dean Urges Instructors To Hear Army's New Military Training Plan

The army's plans for continuous military training will be explained on the Illinois Tech campus next Friday. Lt. Col. Arthur Snyder will discuss the army's proposed training program at 11 a.m. in room 118, Alumni Hall. According to Dean of Liberal Studies J. D. Larkin, "Since our present student body is composed largely of ex-service men who may not be directly concerned, it is hoped that instructors with no conflicting classes will make a special effort to attend."

It has not been determined as yet whether this meeting is part of the army's "You, too, can retire in 20 years" program of peacetime enlistments, or the latest version of the army specialized training program.

Home Ec. Club to Have Mary Mark as Speaker

The Home Economics Club will have as their guest speaker on Friday, November 15, Miss Mary Mark, director of Home Economics in the Chicago Public Schools. Miss Mark has designed her talk to be of interest to future teachers, and will tell of the importance of stressing a Home Economics education for girls. Miss Rose Eterno will give a report of the recent Illinois convention at the meeting. Miss Eterno, a sophomore in the department, is president of the Illinois State College Clubs.

CAMPUS COMMENTS

(Continued from page 3)

certain reforms for the benefit of the student body. I would like to help you in this undertaking but my time is too limited to permit my working on your paper. The least I can do for you therefore is to let you know how I feel about pertinent issues as they arise during the semester. If a cross-section of the student body voice their opinions in the same manner you will have a better idea of what your classmates think and discuss, and this will make your paper more truly representative. I therefore respectfully suggest that you place a receptacle in some easily accessible place for the depositing of student comments. I don't believe such a box exists at this time, though I might have missed announcement of same in one of your past issues.

(Signed) A Student

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