

LAST WEEK my conscientious make-up man proceeded to cut my little epistle in half and, unfortunately, printed the half which had the least to say about nothing. It is my belated, but none the less sincere, feeling that a round of thanks should be extended to the planners and administrators of registration this term. "Treasure" is the word that is running through the minds of some of you as you read the above, but most of you are the ones who would moan even if dollar bills flowed from faucets instead of water. It is the very absence of widespread griping about registration that should be of consolation to the registrars. Naturally, no one is going to say the thing was well organized, but when the screaming against it is only faintly heard things have gone off smoothly. True, there were individual justified cases of fouling up, but on an overall view things went as smoothly as a Techawk's line with the women.

THE BANDWAGONS are rolling at a fast clip this week. Anticipation is that balloting in the class election Friday will be heavy and close. No matter how stupid you may feel after the Profs have confused you with their first week of equation writing, you're still smart enough to make an "X" on the ballot. And, besides those elected will have the say as to how \$3 of your tuition will be spent for student activities—better make sure that a competent crew gets in.

STUDENT REACTION to proposed insurance plans will be surveyed simultaneously with class election. This \$11 a year plan looks like a fine set-up. Of course there are those who feel they won't get their money's worth out of it. We cordially invite these persons to visit the *Technology News* offices, 4th floor Chapin. We will gladly throw them out the window, thus assuring them of getting more than their share from the plan. Anyway, we must have some sort of insurance or fill in the ruts in the stairs in Chapin Hall, that's all there is to it.

Schommer to Address 4-A Class Friday at 11; Socials to Be Outlined

John J. Schommer will address the graduating seniors at a class meeting this Friday to be held in the auditorium at 11 a.m.

He will outline the procedure to be followed by seniors in taking job interviews and will discuss the forms which must be filled out for the Placement Bureau. Interviews are scheduled to start soon after March 1 with Western Electric and American Bell Telephone among the first.

Ed Lindahl, social chairman, will also be on hand to present to the class the plans made last Friday by the social committee for a dance to be held at school, March 29. The dance is to be an all-school affair.

Plans for the Senior Farewell and commencement are in the preliminary stages and will be presented to the class. The Farewell has tentatively been set for Saturday, June 7, in the Modern Casino of the Congress Hotel and is to be a formal affair.

Health Talks to Resume

Freshman Hygiene talks by Dr. McNamara will be resumed this Thursday at noon in the auditorium. Dr. McNamara will discuss the evils of self medication and some time will also be spent discussing the handling of skin disorders and minor accidents.

These health talks are required for freshmen and all others interested are invited to attend.

TECHNOLOGY NEWS

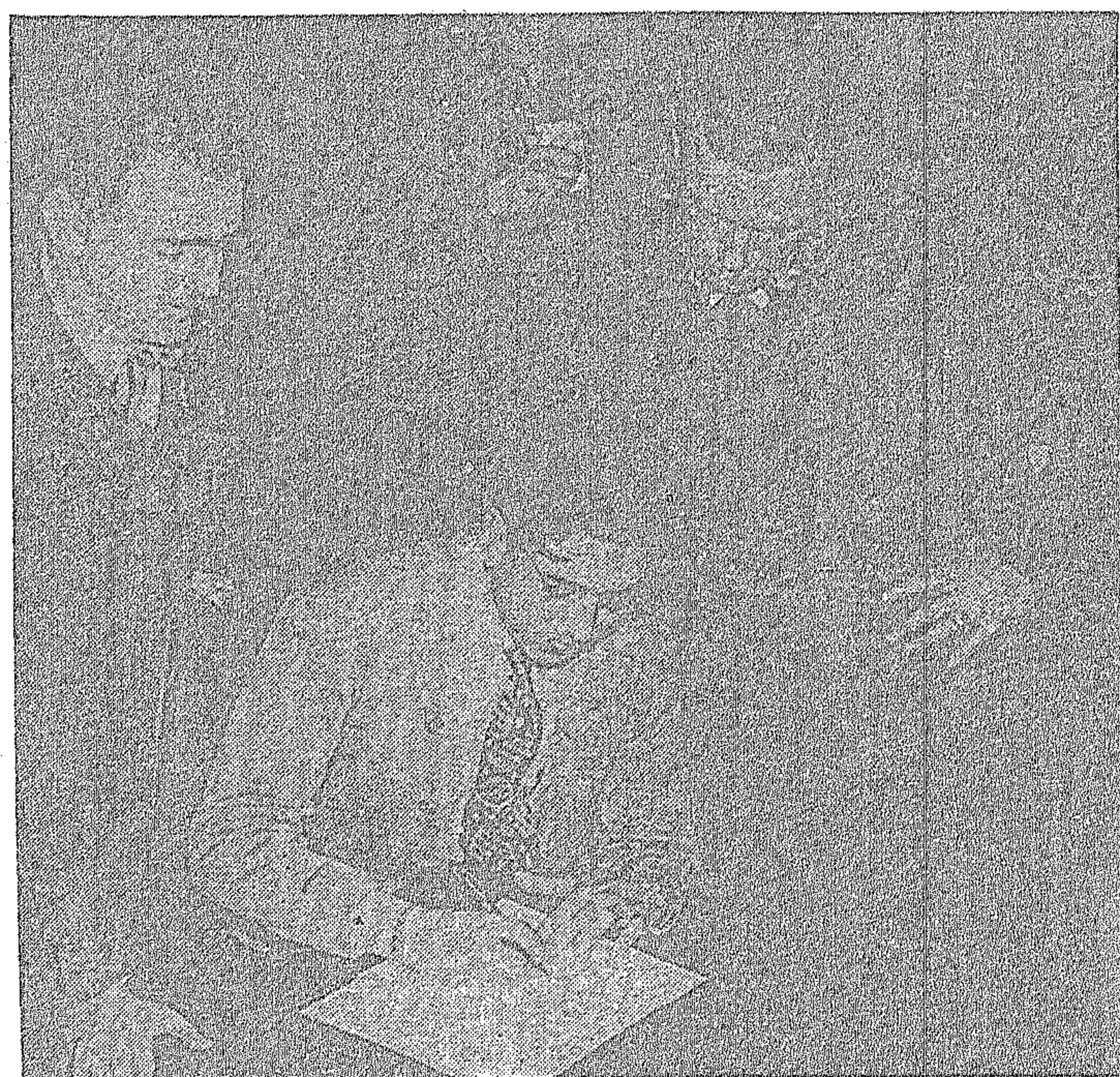
Vol. 45, No. 2

ILLINOIS INSTITUTE OF TECHNOLOGY

February 25, 1947

Elections to Take Place Friday

Sign of the Times



"I'LL BACK HIM:"—Bill Ponton (left) looks on as John Coopersmith signs petition of Bob Mielke as time for filing of candidates' petition draws to a close.

Enrollments In Naval Reserve To Be Taken Starting Tomorrow

Beginning tomorrow a recruiter for the Naval Reserve will be in Sonny Weisman's office to accept enrollments in the Reserve from interested Illinois Tech students. Recent congressional action has made it possible for men with two years of college to obtain commissions in the Reserve.

Physical requirements for commissions are normal good health and 8/20 vision or better without glasses. Men who receive commissions remain civilians and can receive six dollars for attending each weekly meeting of the Reservists.

The U. S. Navy has launched a nation wide drive to bring the Naval Reserve to full strength of 1,000,000 men by July 1, 1947, announced Commander A. J. Petersen, Chicago Recruiting District, recently. Accompanying the announcement was the news that enrollment in the Inactive Reserve is now open to non-veterans 17 to 18½ years of age and all veterans of World War II regardless of age. Non-veterans are required to meet approximately the same physical requirement as required for the Regular Navy. World War II veterans of either the army or navy are not required to take a physical examination. Originals or photostatic copies of discharge papers are all that need be shown by veterans upon applying for enrollment.

Enrollment in the Inactive Reserve carries with it the following benefits and advantages:

1. Longevity starts at time of enrollment i.e., a 5% increase in pay every 3 years starting from time of enrollment. (Time spent in the Inactive Reserve is credited for purposes of increased pay).

2. In time of peace, members of the Inactive Reserve are under no obligation whatsoever to report for duty at any time without their consent.

3. Permits veterans to maintain their rate.

4. Eligibility to apply for a two weeks cruise aboard one of the Navy's newest ships, probably with shore liberty in a foreign port, expenses paid to and from home plus receiving the necessary Navy uniforms and full active duty pay during the cruise.

(See NAVAL RESERVE on page 4)

Movie on Copper Mining to be Seen By Metallurgists

Illinois Tech's recently organized Metallurgy Department will sponsor assemblies this Thursday at 11 a.m. and 1 p.m. at which copper, brass and bronze will be discussed. Ira T. Hook, research engineer of the American Brass Company, will be the featured speaker and a colored sound movie "Copper Mining in Chile" will be shown. Both assemblies will be held in the auditorium of the Student Union.

Mr. Hook has had varied experience in the industrial and education fields since 1901. First he was a mechanic and electrical instrument maker. After he graduated from the University of Michigan in 1913 he worked as a physical test expert in the General Motors laboratory. While there he tested the first welded rear axle ever made.

In 1920 he started teaching engineering mechanics at Yale and has been associated with the American Brass Company in Connecticut since 1923 doing development work in welding of copper alloys.

Technology News Calls!

A meeting of all persons interested in writing for *Technology News* will be held in 105 Chapin this Friday at 11 a.m.

Persons who have written for *Technology News* before, those who have signed up for Journalism 211 and 212 and those who wish to write for the paper but who are not taking the course should attend.

Students to Choose Officers; Office Petitions Due Thursday

All Illinois Tech Students Are Urged to Vote; Ballots Will Include Poll of Insurance Plan

Class elections will be held this Friday in the Student Union under the supervision of the ITSA. All students desiring to enter the race for class officers are urged to obtain their petitions immediately from Dean John White's office. The petitions must be signed by twenty-five of the candidate's classmates and be returned to the Dean's office by Thursday noon.

Honor Writers For IIT Publications At "Scribes' Spread"

Once again the annual "Scribes' Spread" will be held as a partial remuneration for the service to the Illinois Tech publications given freely by the students. It will be held sometime in March.

The banquet will be co-sponsored by *Technology News*, *Integral*, and *Pi Delta Epsilon*, national honorary journalism fraternity. It will be free to those students who have given their time and effort to these organizations during the past year.

Among the persons who will join in the affair will be reporters, copy readers, *Pi Delta Epsilon* members, editors emeritus, professional journalists, and others. A speaker, distinguished in the field of journalism, will address the group. In conjunction with the banquet there will be a *Pi Delta Epsilon* initiation. Students selected by this fraternity are chosen on the basis of journalistic ability, scholarship, service, and character. Bill Burkhardt, *Pi Delta Epsilon* president, has requested all members to attend a meeting to be held today at 5 p.m. in 105 C for the purpose of discussing pledging.

E. S. Lee to Talk on Professional Gains

Methods and opportunities for advancement in the engineering profession will be the topic of an address to be given by Mr. Everett S. Lee, nationally known engineer, at an assembly here on Wednesday, March 12, at 2 p.m.

His talk will deal with the professional aid extended by the founder engineering societies and the Engineering Council for Professional Development to young engineers in their development to professional status. In outlining this development, Mr. Lee will discuss the three primary avenues of advance: Graduate study in an engineering institution, company training program, and self-help by the individual.

Mr. Lee, who is head of the general engineering and consulting laboratory of the Central Station division of General Electric Co., has recently returned from an inspection trip of G. E. plants in England, Scotland, Belgium, France, Switzerland. He will be accompanied on his visit to IIT by Mr. H. F. Buchanan, educational specialist of the Central Station division of General Electric.

Dr. L. E. Grinter, who is arranging the program, stated that all senior engineering students would be excused from class to attend the lecture. Other students are invited to attend if they have no classes.

* TECH TIME TABLE

Items appearing in Tech Time Table are those which have been scheduled with the Dean of Students' Office.

TUESDAY, February 25

American Chemical Society, 5 p.m., 405M
Pi Delta Epsilon, 5 p.m., 105C

WEDNESDAY, February 26

Pi Nu Epsilon, 5 p.m., 405C
Golf Team, 5 p.m., 108C
Newman Club, 5 p.m., 305M
Alpha Chi Sigma, 5 p.m., 405M
Armour Eye, 5 p.m., 410C
Rho Delta Rho, 6 p.m., Fraternity House

THURSDAY, February 27

Metallurgy Dept. Assembly, 11 a.m. and 1 p.m., AH

FRIDAY, February 28

Technology News Staff Meeting, 11 a.m., 105C
Illinois Tech Vets, 11 a.m., 305M
Fire Protection Eng. Society, 11 a.m., 114C
Senior Class, 11 a.m., AH
Research Foundation, 1 p.m., AH
Rho Delta Rho, 7 p.m., Lounge
Eta Kappa Nu, 7:30 p.m., Dining Room

SATURDAY, March 1

Sigma Omicron Lambda, 6:30 p.m., Picadilly Restaurant

TWO TECHNOLOGY NEWS

An All-American Collegiate Newspaper

Member, Associated Collegiate Press

Official student publication of Illinois Institute of Technology, 3300 Federal Street, Chicago, Illinois. Published weekly during the college year. Represented for national advertising by National Advertising Service, Inc., college publishers representatives, 420 Madison Ave., New York, N. Y., Chicago, Boston, Los Angeles, San Francisco. Entered as second class matter October 10, 1940, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Subscription rate \$1.00 per term.

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Hospitalization

A survey of the attitude of the student body toward a school-sponsored hospitalization plan will be made in conjunction with the balloting for class officers this Friday.

The agitation for some sort of insurance plan for Techawks has been mounting for quite some time. In response to frequent inquiries the ITSA has made a thorough study of the plans offered by the various insurance companies and will submit the best of these to the student body for consideration on Friday. The Business Office will then interpret the results and take appropriate action.

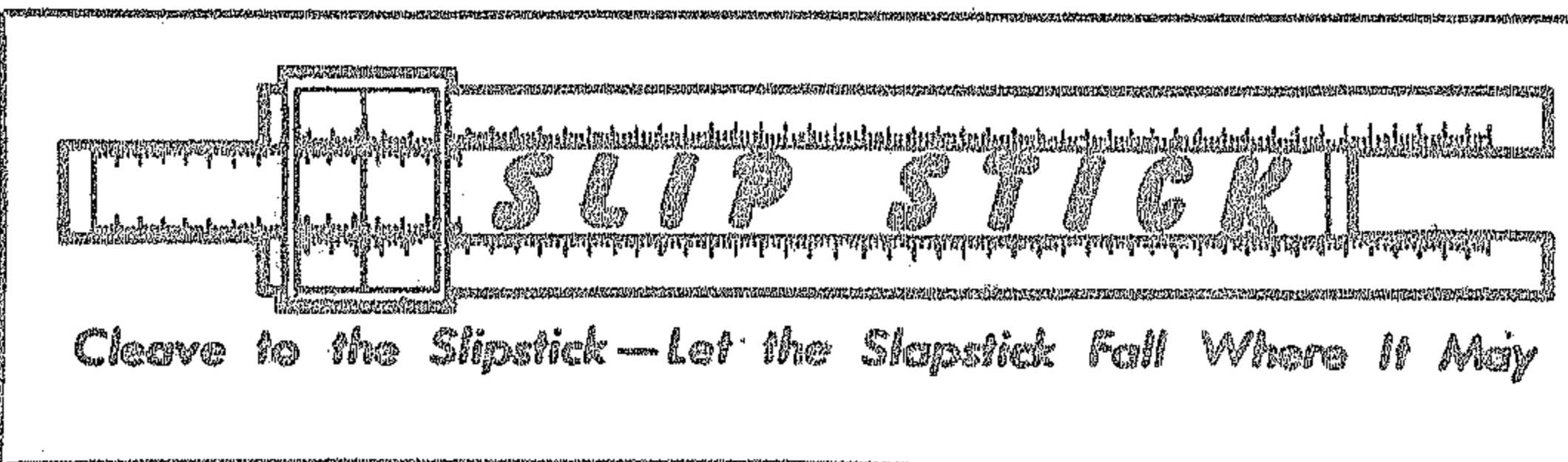
In essence the two plans are: (1) A plan which covers all hospital bills (but not surgical) for 30 days and 50% from 30 to 90 days, costs \$11 for a single person per year, \$30 for a family, which includes bills of wife or husband and children, enrollment must be 100%; and (2) General care plan which pays partial amounts of all bills including hospital and surgical fees, cost: \$15.50 per year, this plan covers only individual persons and has no family provisions, no amount of participants is specified although cost could be reduced by 20% if there was 100% participation. In these plans persons already holding hospital insurance policies are not required to join.

The desirability of some sort of insurance program at an institution of this sort is quite apparent. A predominant majority of students are daily commuters to the Institute. Anyone travelling by street-car to an 8 or 9 o'clock class can appreciate the feasibility of such a plan as he rocks precariously on his toe hold on the outside step of an overflowing "red rocket". Participants in intramural and interfraternity sports are not covered in any manner against injuries received while participating in competitive games, since the sports insurance carried by the school covers only varsity athletes.

The costs of the plans are extremely reasonable by comparison. State law requires that an automobile carry a specified type of insurance, the minimum cost of this coverage running about \$35 annually. It seems reasonable to suppose that protection and care of our own bodies is worth at least one-third that of an automobile.

One plan requires and the other offers distinct advantages for 100% participation of persons not already insured. To make this effective it is almost certain that the administration would have to make the insurance costs a part of tuition, as the ITSA and lab fees, other than chemistry, are. We can see no serious objection to the raising of tuition to \$250 if this plan were incorporated into it. This would be an increase of \$20 per year, which is more than enough to cover the insurance and leave a surplus for the subsidization, expanding, and improvement of student activities and assemblies. In short, we've been working pretty hard and are entitled to buy ourselves a present.

"Forget It Son! You're Covered"



Cleave to the Slipstick—Let the Slapslick Fall Where It May

Mother: "Louise, your dress is all mussed up. Did that young man try to kiss you against your will?"
Daughter: "No, but he thinks he did."

—IIT—

"Yeah, I notice your girl wears her dresses shorter."
"That's because she wants me to stay longer."

—IIT—

Senior: "Talking about all my girl friends makes me think of the time—"

Frosh: "You're quite right. I had no idea it was so late. Goodbye."

—IIT—

City slicker: "What does your son do?"

Farmer: "He's a bootblack in the city."

City slicker: "Oh, I see, you make hay while the son shines."

—IIT—

Sherlock Holmes: "Ah, Watson, I see you have on your winter underwear."

Watson: "Marvelous, Holmes, how did you deduce that?"

Holmes: "You've forgotten to put your trousers on."

Jane: "Jack makes me tired."
Joan: "It's all your own fault dear, you should stop running after him."

—IIT—

The doctor was examining a naval hospital orderly for advancement in rating. "What would you do if the captain fainted on the bridge?"

"Bring him to, sir," warbled the aspiring orderly.

"Then what?" asked the doctor pleasantly.

"Bring him two more," returned the man promptly.

—IIT—

This story is going the rounds in India. Seems a GI had been severely reprimanded by his commanding officer for assuming duties outside of his domain and without proper orders from his superior. After the reprimand, he solemnly promised to reform. Not long afterward, his headquarters received a rather startling telegram: "Tiger on loading platform eating lieutenant. Wire instructions."



(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 to the Editor: Registration

I appreciate the credit which you gave me in the last issue of *Technology News* in regard to the changes made in our registration procedures. I cannot, however, accept it without a word of appreciation to all of those who made the new registration procedure possible. The planning was not mine but the work of a large committee composed of administrative officers, faculty, navy personnel, and the Registrar's staff. This group held many long meetings and studied every step in the procedure. Every effort was made to lessen the time and work required of the students while at the same time providing the Registrar's office with an accurate record of every student in the Institute. We do not consider our efforts completed but expect to re-evaluate the past semester's registration in an effort to develop further improvements.

The work of the committee could not have been successful without the splendid cooperation of many persons. The faculty advisors, the members of his staff of the Registrar and Recorder's office, the Business and Bursar's office, the Student

Union office, the Veteran's office, the Training Officers, the various staff secretaries, the maintenance department and the many students who worked long hours, all contributed in making the registration a success. Finally, I must say a word of appreciation for all the students who were patient and understanding of our efforts, and who accepted without complaint the difficulties which appeared from time to time.

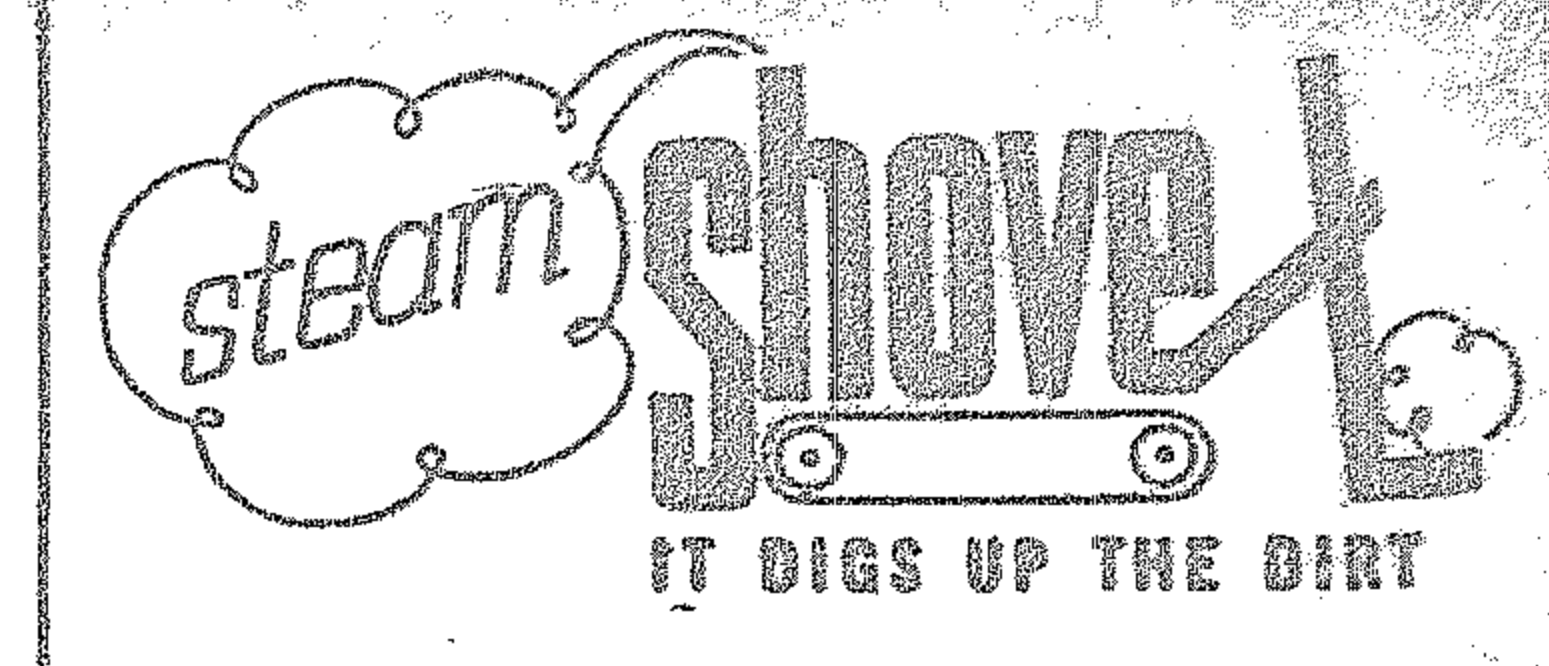
It was a pleasure to have served you and I trust that another registration period will produce further improvements.

C. E. Deakins

Senior Efficiency Test

The following proposition may not be too popular but, if nothing else, it is a good subject for discussion.

(See CAMPUS COMMENTS on page 3)



With the frosh squared away on the female situation in this neck of the woods, the Digger delves into the regular grind of dredging the drains for news that didn't quite make the front page.

It seems that the Copacabana Night Club was expecting the regular fire inspectors one afternoon last week when Bob Mielke and Bill Ponton dropped in. They managed to convince the manager that they were "Fire Protection Engineers" and they were given the run of the place. After checking the chorus line for exposed openings and the fire water at the bar through the courtesy of the management, they gave their verdict—several minutes before the regular inspectors dropped in.

Sherwood Benson's newest method of income was discovered when he boarded a crowded bus and was jammed into a crowd of people with his hand behind his back. Being at the front of the bus, a woman got on and deposited the fare in his hand (assuming it was the driver's). Whether he kept the lowly dime or not is still a matter of debate.

Bewildered by the crowds of freshmen in the cafeteria, Wilbert "Chumily" Kautz was eyeing the situation as he poured the milk into his glass. His preoccupation in evaluating the new coeds caused a cooling sensation in his trousers, but alas, for it was not just an imaginary feeling. He looked down to discover that he had been pouring milk in a glass that was upside down.

The ingenuity of engineers was tested when Bob Magnuson and Harold Scholin found themselves with dates and penniless. To solve the problem the two raided Bob's refrigerator and baked a meat loaf. After dinner Bob and Harold serenaded their guests. To summarize the evening: the girls had male, meat and music.

The Dreadful Digger

Faculty Facts . . .

Eric T. B. Gross, Professor of Electrical Engineering
Eric T. B. Gross, genial and energetic professor of electric power system engineering, devotes much of his time to work with Illinois Tech's \$90,000 A.C. net-work calculator.

Dr. Gross was born in Vienna, Austria. At the age of 22 he graduated from the Technische Hochschule with the equivalent of a master's degree in Electrical Engineering. An excellent student, he had been the recipient of a number of scholarships.

To gain practical experience Gross spent one summer between semesters working as an apprentice tool and die maker, which he feels aided him greatly in getting a thorough understanding of the applications of the studied material.

Having taught classes as a junior lecturer and laboratory assistant during the last two years of his schooling, he continued doing so upon graduation. During this time, he was also working for an electric manufacturing company.

His desire to work on high voltage problems was realized in 1924, when he became an assistant electrical engineer in the Central Station

Department of A.E.G. Union, Vienna, an affiliate of General Electric. He continued with this company for the next 15 years, being put in charge of the division for protective devices, relay laboratory and high voltage practice in 1929, and in charge of engineering in the Central Station Department in 1935. He next worked as consultant transmission engineer with A.E.G. (British) Electric Company in London. A year later he was engaged as assistant engineer by the Consolidated Engineering and Research Service, Ithaca, N. Y. 1940 saw him as research associate in Cornell University's College of Engineering.

In 1929, and in charge of engineering in the Central Station Department in 1935. He next worked as consultant transmission engineer with A.E.G. (British) Electric Company in London. A year later he was engaged as assistant engineer by the Consolidated Engineering and Research Service, Ithaca, N. Y. 1940 saw him as research associate in Cornell University's College of Engineering.

Dr. Gross reentered upon his teaching career when, in 1941, he accepted an instructorship in electrical engineering at the School of Technology, College of the City of New York. For three years before coming to IIT he was assistant professor of electrical engineering at Cornell.

Professor Gross has a number of patents in this country and abroad, concerning selective protection and relaying, resonant neutral grounding, and relaying in ground fault neutralizer systems. The author of many technical publications, he is extremely active in a large number of professional organizations. He is the counselor of the student branch of the AIEE.

INFORMATION FOR FREE

Wild Bill Furlong

Bernie Weissman, whose photographic right leg has edged its way into many a lurid sports photo, was the object of much comment in the daily press the other week.

Professor Weissman, a sports devotee when things are not brewing too well, beamed with approval when a Mr. James Bivins of Cleveland delivered the coup d'etat to a Mr. Beckwith of Gary in a proposed 10-round bout. The coup d'etat, delivered in the form of a lethal left hook, reached its destination—the Beckwith chin—after the bell had indicated that hostilities should cease in the third round.

When Mr. Beckwith, dreaming no doubt of the day when he could quit working and become a referee, failed to recover from the slumbering effects of Mr. Bivins' left in time for the fourth round, Mr. Weissman promptly backed Mr. Bivins as the victor.

Now the endorsement of Mr. Bivins by Mr. Weissman would have been of little or no moment had not the latter been the third man in the ring. Working that night under the pseudonym of Bernie Wiseman, Mr. Weissman saw his duty and raised the sturdy right hand of Mr. Bivins in victory.

That action inspired the assembled patronage of 4,198 to new heights of oratory. It is rumored that they discussed openly and frankly the heritage and future of Mr. Weissman in terms complimentary neither to Mr. Weissman or his antecedents.

Taking up the cudgel in behalf of Mr. Beckwith, the boys in press row, some of whom can punch a type-writer as savagely as Mr. Bivins a chin, lashed out at Mr. Weissman. While some studiously avoided mentioning his name others openly hinted that he was a blackguard at heart who would feed half-smoked cigars to his daughter.

Somewhat disturbed by the attention that Mr. Weissman was getting, the state boxing commission issued an invitation to a beer and pretzel gathering at which Mr. Weissman and the sports writers could tear each others' throats out at their leisure. It was vaguely hinted that the boxing commission resented the fact that Mr. Weissman was cutting himself in on the vituperation which had been that of the commission's.

The upshot of the informal gathering was the signing of a non-aggression pact by Mr. Weissman and the sports writers. The latter also agreed to restrict its venomous comments to the boxing commission which has been deluged with such comments of late.

● CAMPUS COMMENTS

(Continued from page 2)

As all know, members of a graduating class are rated according to their scholastic ability; i.e., the overall average of the grades received during the four years of school. In addition a graduate is rated according to his personal qualifications, such recognition being in the form of class offices, activities, etc. I would like to propose an additional rating method, the results of which could be called an efficiency factor.

In four years of college, a man is expected to acquire a certain minimum knowledge of engineering. Below this minimum it is assumed he would either drop out voluntarily or flunk out. Assume then that this minimum "knowledge for survival" is rated as a factor of one. Then devise an examination, to be taken by all men who expect to graduate, which would cover as many of these basic engineering fundamentals as is possible in an exam of reasonable length.

The ratio of the result of this exam to the minimum required knowledge would yield an efficiency, or re-

Junior Week Tradition Dates Back Forty Years

by Pat Vedel

The annual Junior Week festivities here at Illinois Tech, during its forty year history, has become the greatest and most enthusiastic student supported affair of the year's calendar. The class of 1907 started the tradition to accompany the distribution of the Integral (even then they had trouble with the printer's schedule).

Circus Day was the main event. This brought forth fraternity competition for the most original and skillfully produced pageant display. The circus parade started in grand array down Federal Street culminating in a group review on Ogden Field which was then enclosed by a fence to keep out liberal arts students. For years the Trial of Math pageantry was the students' revenge on the gruelling technical calculations thrust upon them by professors with the souls of Simon Legrees. Yearly, in high jurisprudential form, the case of the Student vs. Math was enacted. Math was charged with killing college life and on the testimony of Anne Thustium and Parallelopippigone a verdict of guilty was rendered and Math was sentenced to die. Hanging, burning at the stake or boiling in oil; nothing was forgotten in the disposition of so villainous a criminal.

Back in the very, old days of

a Tech football team sports took over only one day on the program. Interfrat sports were non-existent but Varsity-Alumni or Junior-Senior contests drew a big crowd of old grads and interested people who came to gaze on the triflings of an engineer's extra-curricular life. Gradually sports took the spotlight and Tech produced some mighty teams, both varsity and interfraternity. The competitive championship playoffs came during Junior Week and trophies were awarded at the Junior Prom, the climax of all activities.

Speaking of the Prom, our grand promenade had a sad beginning in the Armour gym. The cheese box on the fifth floor of Main was the scene of many school dances. Refreshments were served as the gaily attired couples danced in and out of the clouds of Rock Island train smoke that wafted in the open windows. A part of the Prom tradition was the crowning of the Prom Queen and her court. The queen was

(See JUNIOR WEEK on page 8)

Man Of The Week

Wit Kosicki Devotes Energies To Class and Social Activities

by Sam Rand

Not many of the students at IIT have sacrificed as much as Wit Kosicki in order to be able to pursue an engineering career. Since two of his brothers are studying for the priesthood, Wit's coming to IIT has made him the black sheep of the Kosicki clan.

Wit Kosicki, a senior EE, received his prep training at St. Theresa High School in Detroit. While in high school he first displayed his administrative talents by successfully discharging the many offices to which he was elected.

After graduating from high school in 1940, Wit enlisted in the navy. He subsequently saw service in the Pacific as a fire controlman, first class, aboard the U.S.S. Crane.

Accepted for V-12 training in 1943, Wit was in the first contingent sent to George Williams College. Two semesters later—in March, 1944, he was transferred to IIT.

Since coming to Illinois Tech, Wit has posted a mark seldom equaled in class elections. Always a favorite of his classmates, he has been successively president of his sophomore, junior and senior classes. As a junior he was also social chairman of the class. In addition to these duties Wit has devoted a considerable amount of time to extra-curricular activities. He has been a member of *Technology News* for five semesters, holding almost every staff position.

He has also been active in the ITSA, the Honor Board, Rho Epsilon, Pi Delta Epsilon, IRE, the Newman club, Delta Tau Delta, and AIEE.

Outside of his school activities versatile Wit manages to expend his energies among several of his hobbies, factor which would indicate how much of the four years' work had been understood and retained. The "slow learner" who caught on after the final was over would have a good chance to make a good showing on this type of exam.

Eric Eckberg
Senior ME

ies, including sailing, woodworking, drawing, collecting stamps, reading and dancing.

At present Wit is looking forward to the day when he will be prepared to join his father in the operation of a foundry in Detroit. In anticipation of his future duties Wit is planning to continue with his education until he can earn a master's degree

Techmen Talk

by Dave Pasik

Question of the week: How do you think the IIT registration program can be improved? Dave Halperin, Soph. Chem:

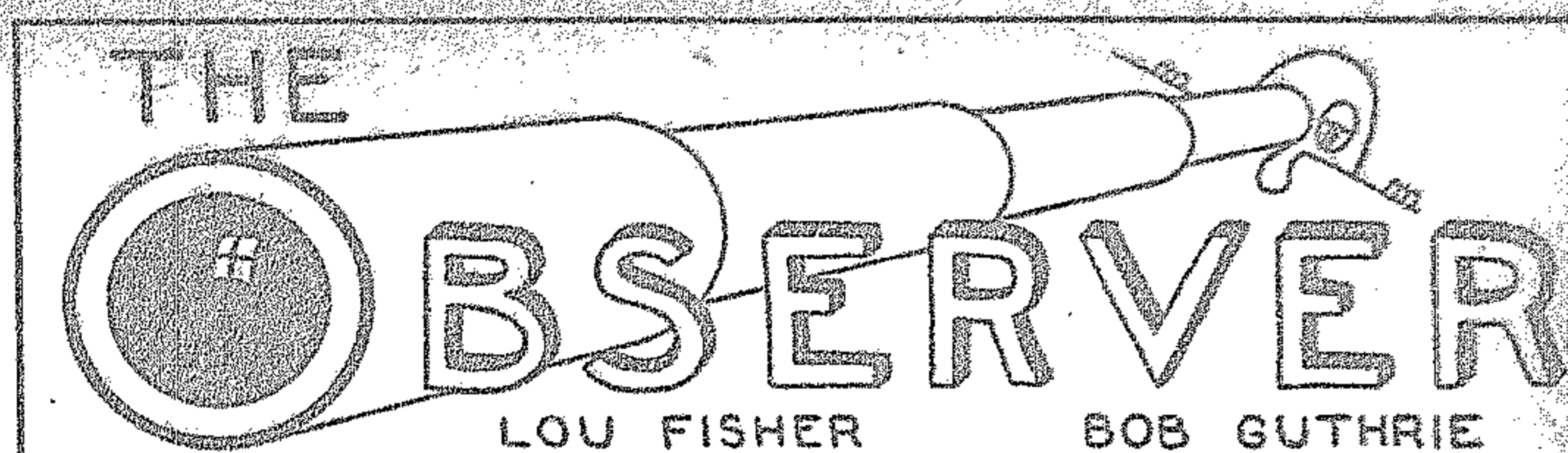
"Unless a fellow is willing to get here before breakfast, he has no

chance of getting his classes. The old maxim "first come first served" has been overburdened to the point of exhaustion. It might be possible to have a system of registration by mail, whereby the inevitable waiting and confusion could be eliminated. Tentative schedules would permit classes to be organized in an efficient manner. However, the best solution is to get here at ten minutes to six, as I did.

Robert Hamilton, Soph IE:

"I have a couple of ideas: Make certain the class section schedules are ready before the final tests are over. This year everyone was required to make an extra trip down to school just for the little book. This involved a great loss of time for many students living out of town. Even with

(See TECHMEN TALK on page 7)



Guthrie Sees "Red"

Just what is all this talk about communism, leftists, reds, "misguided liberals," and fellow travelers? The reactionary press screams daily warnings to the American people to take up arms in defense of their country against the tentacles of communism. Certain observers quietly sum up the situation with a mere: "Nothing to worry about—Hearst, McCormick, Steller, Winchell, and J. Edgar Hoover are all making mountains out of molehills."

What are the objectives of the communists in America and how do they set out to accomplish their ends? To answer this question a critical survey was made of several "liberal" publications. The analysis of the editorial policy seemed to yield two viewpoints: (1) The mere, superficial, "means-to-an-end" type of editorial in which the publishers have endeavored to very simply set forth policies which would appeal to many Americans as truly worthy causes. (2) The very subtle policy of creating dissensions and weakening structures and institutions from within. For the most part this feature is presented to the public through the means of (1).

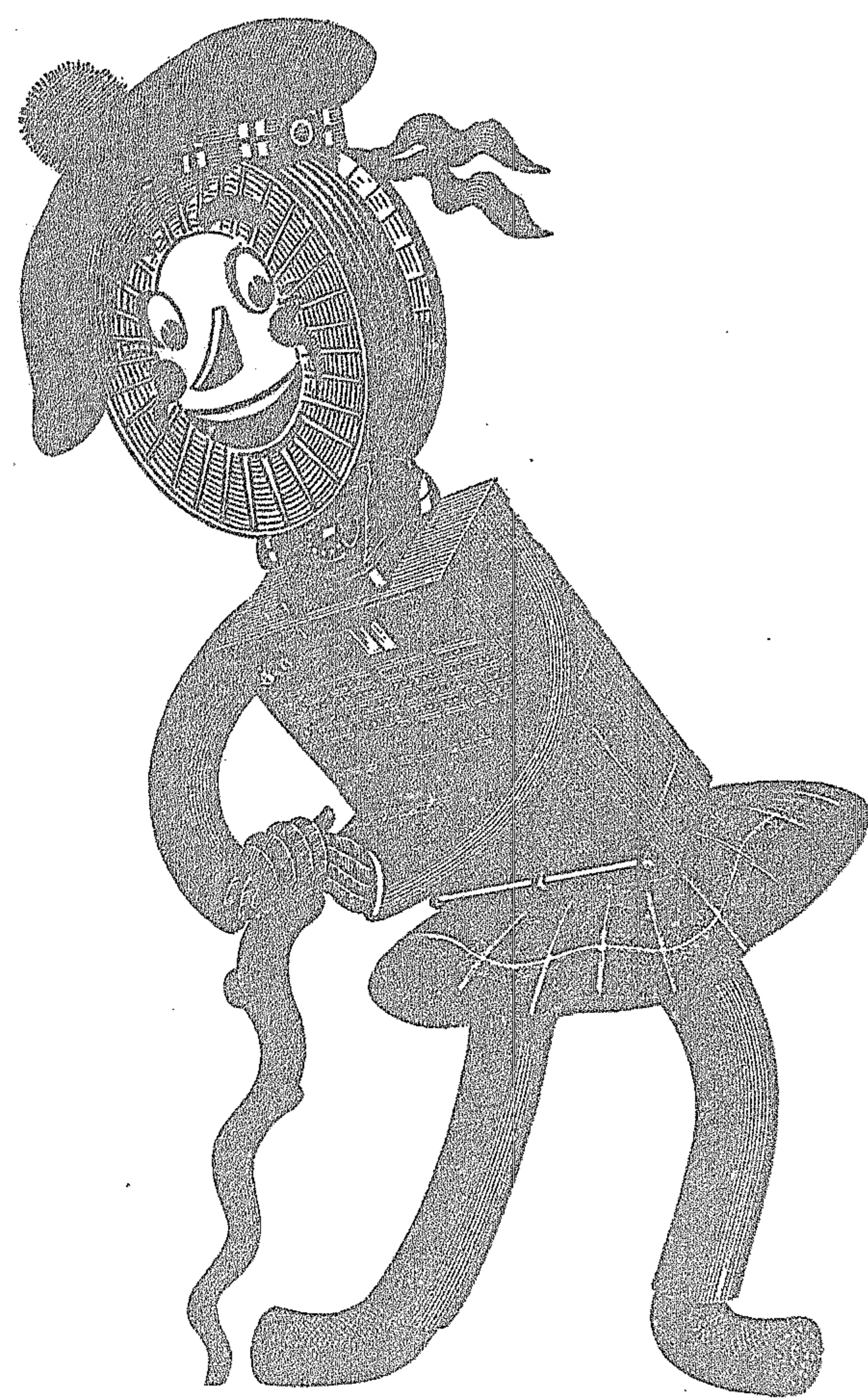
Superficially the editorial policy

of the red press embraces lower taxes, higher wages, guaranteed annual wage to come out of the profits of corporations, and higher taxes for the rich.

A more critical appraisal of the communist's attitude on these economic questions reveals their destructive intentions to break down the economic structure of the country. This is accomplished by sanctioning certain labor-management disputes which in many instances served merely to drain and confiscate industry's reserve capital.

Further well-meaning causes which some sheets have stressed are: wiping out the remains of fascism in Europe; permitting China to settle its own affairs without the use of our troops on the side of feudal reaction, breaking up the military and economic line-up between Britain and the United States; strength-

(See OBSERVER on page 7)



Do you believe in THRIFT?

"I'm a regular Scotsman for thrift. I never throw away anything that I can use again.

"Every year I salvage millions and millions of pounds of metal from what you might call junk.

"I collect all the old telephone equipment, wire and cable no longer useful to the Bell System . . . and all the machine scrap, turnings and rejected parts from the factories where I make Bell Telephone equipment.

"I turn this scrap metal into bars and billets of refined metals and alloys out of which I make new telephone equipment.

"I salvage rubber, textiles and paper, too . . . and anything I can't use again, I sell. Nothing is wasted.

"My thriftiness, as supply unit of the Bell System, is one reason why you get telephone service . . . the world's best . . . at the lowest possible cost.

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

Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882

FOUR Bill for Increased Subsistence Supported by Illinois Tech Vets

The Illinois Tech Vets Club, an independent veterans organization, at its first meeting of the semester last Friday, decided to support the Rogers Bill for increased subsistence allowance. This bill (H.R. 870) calls for subsistence rates of \$100 monthly for single vets, \$125 for vets with dependents, and \$10 additional monthly for each child.

In order to secure the passage of this bill the Vets Club is cooperating with The Intercollegiate Veterans Coordinating Committee. This committee is composed of 55 college veterans clubs throughout the east that have united to give a stronger voice to the student veterans. So that complete support can be given to this project the Vets Club will distribute petitions and questionnaires which all veteran students should secure. The questionnaires are so worded as to give a complete break down of the vets, expenses which will give more weight to the petitions. The petitions and questionnaires may be secured at the booth in the lobby of the Student Union.

Bill McDonough, a member of the club, spoke on the organization of a committee to represent students on probation because of pre-war grades. Mr. Hand and Mr. Deakins, representatives of the Veterans Administration here at IIT, were present at the meeting and stressed the importance of organizations to veterans. A tutoring service for disabled vets at Vaughn General Hospital was discussed at this meeting. It was decided that volunteering for this service would only commit a member to one or two evenings out of a semester to help his buddies.

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NAVAL RESERVE

(Continued from page 1)

ing the cruise.

5. Opportunity to apply for transfer from the Inactive Reserve to an Organized Reserve Division or Air Squadron.

6. Permits membership in the Naval Reserve without leaving home or school.

It was pointed out that men enrolled in the Inactive Reserve will also have the opportunity, if they desire, to apply for transfer to one of the Organized Reserve Divisions or Air Squadrons where they can attend instruction meetings of two hours duration one evening a week, for which they will receive a day's pay. Rates of pay are correspondingly higher in the advanced ratings being \$3.33 for a petty officer third class.

The announcement emphasized that membership in the new Naval Reserve will not change a man's normal living conditions; it allows him to maintain a rate in the Navy and build up time for credit towards increased pay, yet live the life of a civilian. He may decide to attend meetings once a week, or he may decide to simply be a member of the Inactive Reserve without attending the meetings. Summer cruises with pay, uniforms and liberty stops in foreign ports are entirely optional. In no case, in time of peace, will a man be ordered to active duty without his consent.

According to the announcement the number enrolled in the Inactive Reserve up to December 31, 1946, totaled 296,618. Men will continue to be enrolled at a rapid rate until the quota is filled.

Sophomores, ME's Are Most Prolific Groups as Day Enrollment Hits Peak

To settle once and for all (for this semester anyway) the many arguments amongst students about the various departments and classes, the complete analysis of the registration data compiled by the Registrar's Office for this term are listed below. It will be seen that the sophomores and MEs are the most numerous while the seniors and Metallurgicals are the scarcest. The following figures are for day school enrollment only.

Term	8	7	6	5	4	3	2	1	Total
ARCH.	9	4	41	11	36	24	31	0	156
BIOL.	4	3	7	5	6	7	11	4	47
B.E.	5	8	18	12	29	14	36	10	132
Ch.E.	30	15	43	36	46	45	76	45	336
Chem.	2	7	9	7	12	14	18	6	75
C.E.	16	13	27	17	36	27	51	21	208
E.E.	60	64	83	88	124	102	137	68	726
F.P.E.	7	6	15	9	4	6	24	0	71
HOME EC.	5	1	3	3	4	4	5	3	28
I.E.	12	14	25	28	26	6	25	13	149
L&L	1	1	3	0	6	0	2	1	14
M.E.	106	78	110	100	111	97	149	78	829
MET. ENG.	0	1	1	0	1	0	1	0	4
MATH.	1	2	2	3	4	2	1	2	17
PHYS.	2	1	6	5	6	5	20	10	55
P.S.S.	1	2	3	5	6	2	6	1	26
PSY.	2	0	1	0	1	2	1	0	7
Total	263	220	397	329	458	357	594	262	2880

Graduate day students numbered 144, of whom 31 are attending IIT for the first time. Evening school graduate students number 353, while undergraduate students in the evening division total 2921. The overall totals give the day school a total enrollment of 3024 students, while the total evening school totals 3274 students. The grand total of students attending IIT in both the day and evening divisions is 6298. The above figures are based on totals made available on February 17.

Math Club to Hear Dr. Ford
Dr. Lester R. Ford, chairman of the mathematics department, will speak on the subject, "Some Remarkable Theorems About Moving Figures," at the Math Club meeting this Friday.

Milton Searl, program director, after a discussion of the talk with Dr. Ford, said that it will be of special interest to everyone interested in engineering or mathematics. The material will be presented so that it may be understood by students in their sophomore year, so no one need fear that it will be too involved, continued Searl. The bulletin board in Main will announce the time and place of the meeting.

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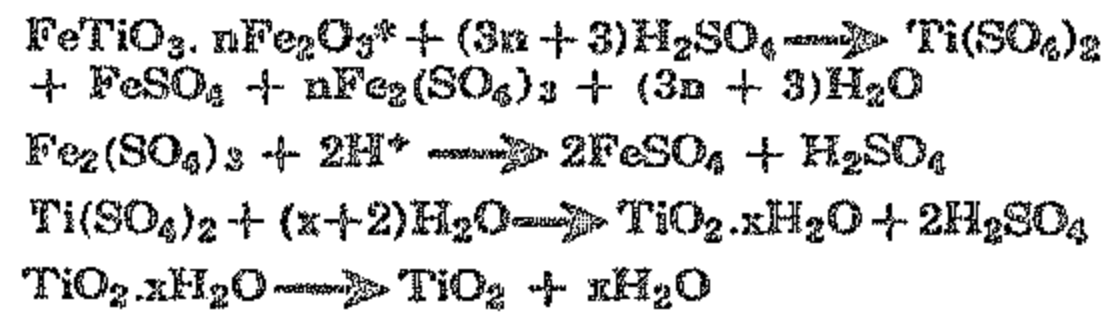
Du Pont Digest

Items of Interest to Students of Chemistry, Engineering, Physics, and Biology

The "Whitest of White" Pigments from Black Ore

It is a strange fact that the ninth most prevalent element in the earth's crust should have been regarded as "rare" for over a hundred years after its discovery in 1791. But that is the story of titanium, actually more abundant than zinc, copper, lead, tin, and nickel combined. One of the factors that have kept titanium from being better known is the difficulty of handling some of its compounds commercially.

If, as a student, you were to look up the equations for the manufacture of titanium oxide pigment, you might find something like this:

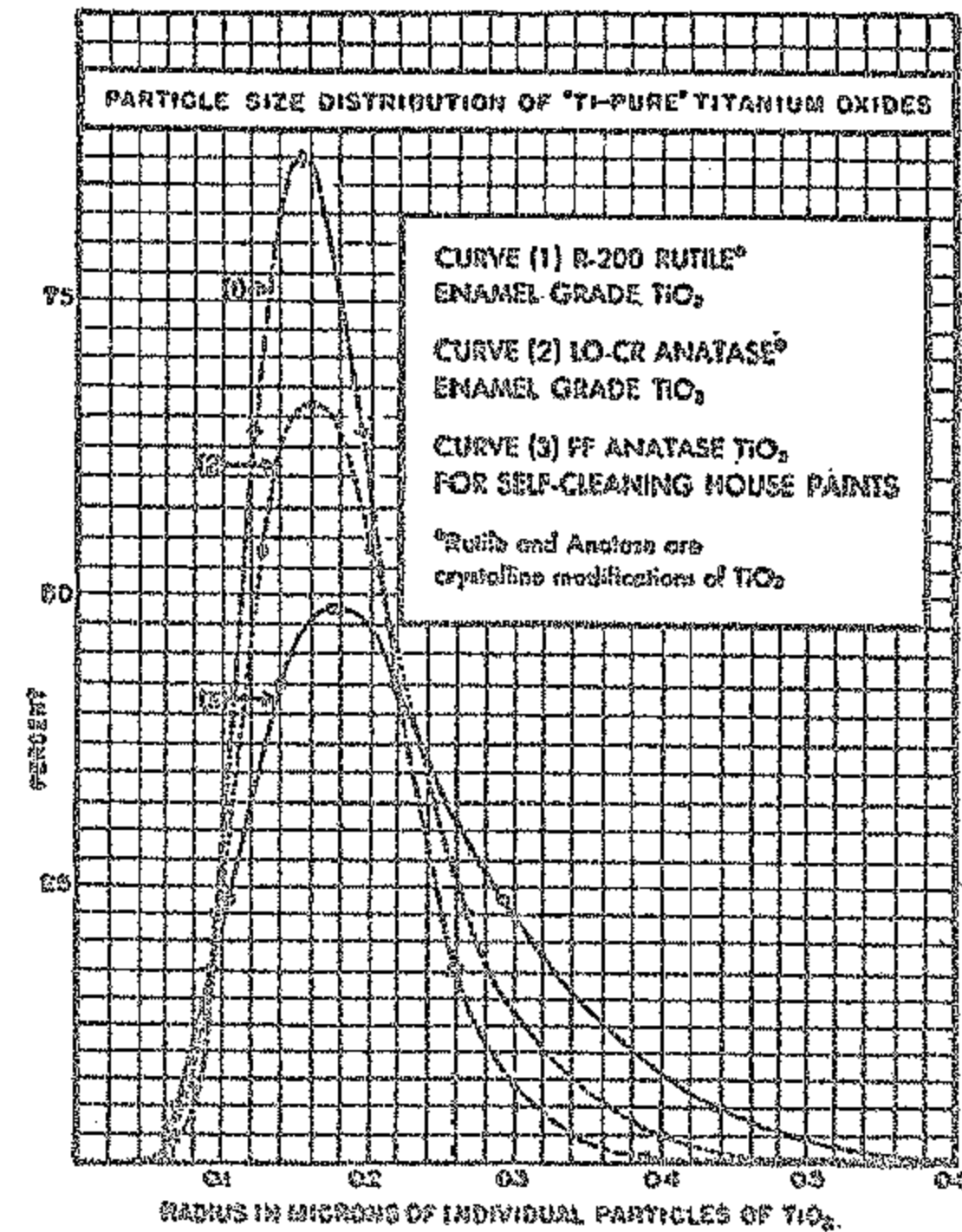


*—The exact composition of ilmenite varies with the source of the ore.

From these equations, the manufacture of the "whitest of white" pigments from black ilmenite ore appears to be chemically simple and straightforward. However, the processing required to obtain industrial titanium oxide of sufficient brightness, hiding power and fineness is more complicated than one would anticipate.

Controlling a Metastable System

The final product must have a particle size averaging 0.2 microns in radius and varying between 0.1 and 0.5 microns.



To attain this end in a metastable system that is ready to go in the wrong direction at any time requires exceedingly rigid control conditions throughout.

The essential steps in the operation are:

1) The careful solubilization of ilmenite in concentrated sulfuric acid to avoid hydrolysis. 2) The complete reduction of any ferric iron to facilitate purification of the solution, with removal of any unconverted residue and colloidal slimes. 3) Crystallization of 70

per cent of the iron as $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ —a critical operation in which temperature must be kept low and wild seed crystals avoided. 4) Hydrolysis around $105\text{--}109^\circ\text{C}$.—the most important step of all—because the initial particle size and pigment properties of the final product depend on concentration, temperature, time of hydrolysis, intensity of stirring, and presence of foreign materials. In this operation it is not unusual to talk in terms of parts per million, rather than the usual analytical accuracy of 0.01–0.02 per cent. 5) Varying salt treatment of the precipitate, depending on the impurities. 6) Calcination between $900\text{--}1000^\circ\text{C}$. to obtain the desired particle size. 7) Grinding to give the proper aggregate size. 8) Treatment of the dried pigment in various ways depending on end use; e.g., in the automotive, rubber, ceramics, paper, linoleum, printing, or other fields.

Wide Diversity of Research Problems

Long and patient research was necessary to develop the manufacturing techniques now used. Some of the problems demanded technical skill of the highest order from the colloid chemist, the physical chemist, the analyst, the crystallographer, the physicist, and other specially trained men. A wide variety of instruments, such as the petrographic microscope, the electron microscope, x-ray diffraction unit, ultra-centrifuge, and spectrophotometer were used in



Ilmenite (left). Titanium Dioxide (right). Apparatus in the background is a rotary filter.

this work. Finally the metallurgist, the chemical engineer, the mechanical engineer, and the industrial engineer had to design equipment to handle this extremely corrosive system economically.

The manufacture of titanium pigments is another example of the problems that constantly challenge chemists, engineers and other specialists.

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Questions College Men ask
about working with Du Pont

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...THROUGH CHEMISTRY

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

Pan-Hellenic Council Host to IIT Women; New Rushing Rules

The initial move in inaugurating a new system of sorority rushing on campus was a pre-semester Pan-Hellenic tea held in the East Dining Room of the Student Union building on Sunday afternoon, February 2. The sororities were hostess to all women students enrolled at Illinois Tech. This tea was the official beginning of the spring rush season.

The four sororities represented on the sorority governing council, Kappa Phi Delta, Sigma Omicron Lambda, Phi Beta Pi and Sigma Beta Theta, have planned this new rush procedure to try to adjust to the rushing of first semester girls which, prior to this month, has been outlawed by the Pan-Hellenic Council Constitution. Violations of this rush clause were subject to a fine of twenty-five dollars imposed upon the offending sorority for the first offense, a year's suspension from rushing for the second, and cumulative suspensions for all succeeding offenses.

The purpose of the second semester rush law was to enable both the sorority and the eligible girls to become acquainted with each other so that a more positive choice might be made by both. Also clauses in the individual sorority constitutions prohibited consideration of girls whose grade average fell below the 2.0 level, and since a grade average is not attainable until one semester's work has been completed the delay was necessary. A girl pledged under the new system would not be initiated until her scholastic standing was determined.

Under the old plan a one semester lull was necessary before official rushing began. With the new system, the Pan-Hellenic Tea and two informal rush affairs are given by each sorority immediately preceding the start of a semester. The third or formal rush affair will be given after the semester has begun. Girls in their first semester at Illinois Tech, whether they enter as freshmen or with advanced semes-

ter standings, are eligible for sororities.

There is a week's lapse between the last formal rush and the day when the preference slips are issued to the rushees. They list their first, second, etc. affiliation preferences and return the slips to the Pan-Hellenic sponsor. Also each sorority sends to the Pan-Hellenic sponsor a formal bid to membership for each girl they desire as a pledge. First choice and sorority bid for each girl are matched and at the formal pledge meeting the girls are notified of their acceptance as a prospective pledge. The period of pledgship and the various pledge duties vary according to the individual sorority's policies.

"It is hoped," said Miss Mollie Cohen, sponsor of the Council, "that this simplified procedure will prove successful and that it will be adopted as a permanent constitutional amendment."

Members of the Pan-Hellenic Council representing their respective sororities are Joan Nicholas and Raleighnae Patterson, Kappa Phi Delta; Reva Zlotnik and Carol Moses, Phi Beta Pi; Pat Vedel and Mariys Hewitt, Sigma Beta Theta; and Shirley Langill and Betty Duke, Sigma Omicron Lambda.

Eta Kappa Nu Actives,

Alton B. Zerby, national secretary of Eta Kappa Nu, honorary electrical engineering society, will speak at the special dinner meeting of the Chicago active and alumni chapters of the fraternity to be held in the Student Union building Friday, February 28.

Eight Cases Judged By Discipline Committee

The IT Discipline Committee last week made public its decisions in cases which came before it during the final two weeks of last term.

Of the eight cases heard by the group one person was acquitted, the rest drawing penalties of varying degree. One student was dropped from school, without honor, as a result of cheating in a Chemistry 102 experiment and insolence, while another was placed on probation for cheating in Chemistry Lab.

Two persons had their grade lowered one point as a result of working in Chemistry Lab with a person other than their partner. Two others were failed in their course and suspended for one semester, one for cheating in a final exam and the other for cheating and mis-statements.

The appointment to the Discipline

John Smale New Student Counselor

John Smale has been added to Dean White's staff as student counselor and is temporarily located in the ITSA Office in the Student Union. He is available for conferences with any student between the hours of 9:30 a.m. and 5 p.m. All students with problems or questions of any nature are urged to discuss them with Mr. Smale.

Mr. Smale has been on a leave of absence from his position in the Philosophy Department here at the Institute to serve as Personnel Director of the Ohmite Corporation during the war.

Committee of two faculty members has also been announced. They are Dr. George Gibson, chemistry, and Professor H. C. Spencer, technical drawing. Other members of the com-

Armour Eye to Sponsor Meeting of Photobugs

Armour Eye, campus camera club, will sponsor a Studio Night during the month of March, according to Arnie Rosner, president.

The affair will be open to all amateur photobugs whether or not they are members of the Eye. Adequate lighting facilities have been assured so that good snaps can be made, even with a box camera.

Participants are encouraged to bring their own models and subject matter. In addition a Powers model will be present to pose for pictures. Prizes, such as a camera and camera equipment, will be awarded to photographers of the best shots.

mittee are: Dean Jack White, Chairman; Dean J. C. Peebles; Dean John D. Larkin; Mr. Ernest Kelly, Registrar; and Mr. Bernard "Sonny" Weissman.

Play refreshed
...Have a Coke

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EXPERIENCE TAUGHT MILLIONS the Differences in Cigarette Quality

...and now the demand for Camels—
always great—is greater than ever in history.

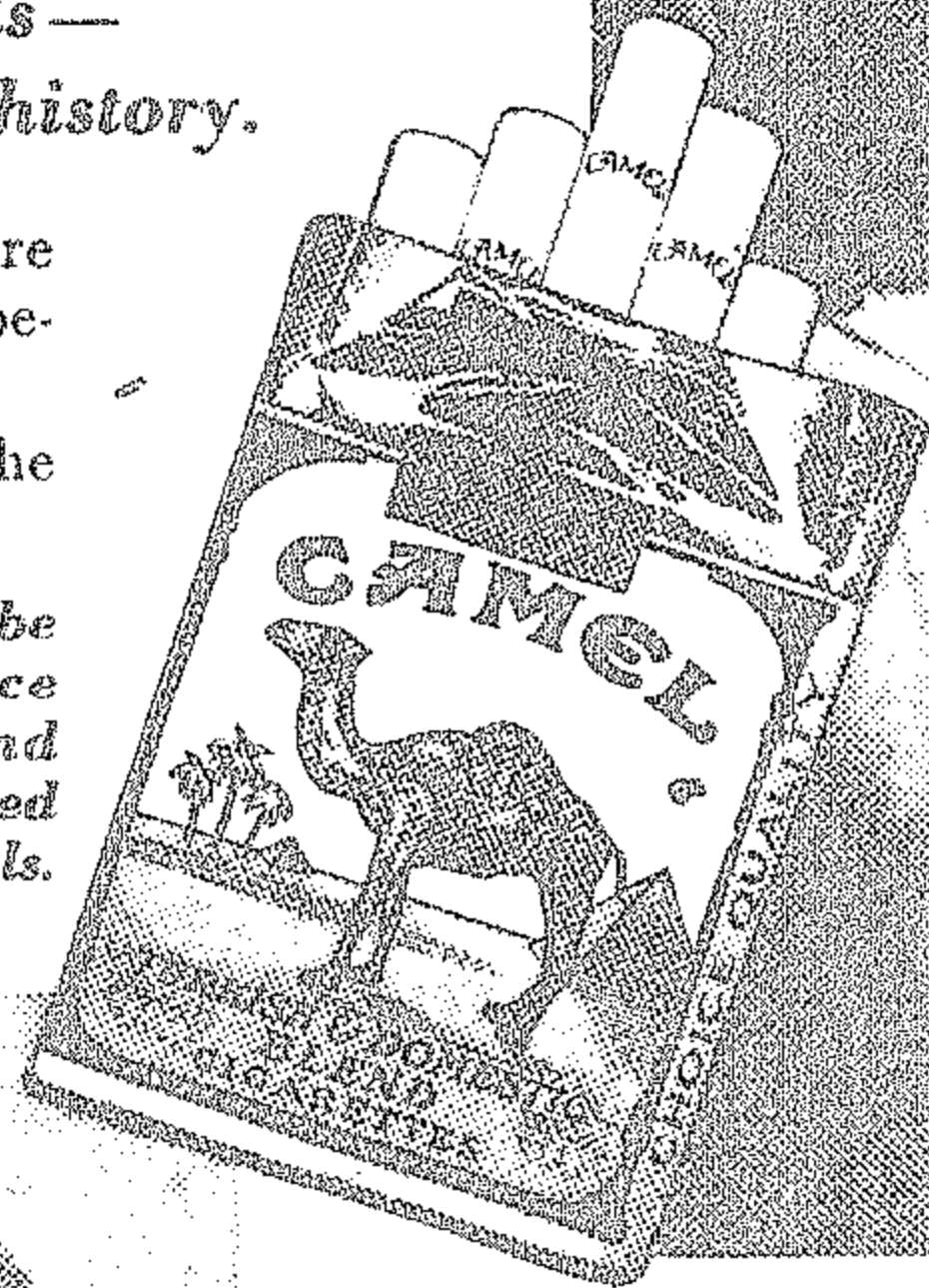
DURING the war shortage of cigarettes... that's when your "T-Zone" was really working overtime.

That's when millions of people found that their "T-Zone" gave a happy okay to the rich, full flavor and the cool mildness of Camel's superb blend of choice tobaccos.

And today more people are smoking Camels than ever before in history.

But, no matter how great the demand:

Camel quality is not to be tampered with. Only choice tobaccos, properly aged, and blended in the time-honored Cam. way, are used in Camels.



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According to a recent Nationwide survey:

MORE DOCTORS SMOKE CAMELS

than any other cigarette



Doctors too smoke for pleasure. And when three independent research organizations asked 113,597 doctors—What cigarette do you smoke, Doctor?—the brand named most was Camel.

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.



Swimmers Win 9 Straight; Then Lose

Tech Quintet Loses 3 Games

George Williams Wins 40-39 in Final Seconds

The Tech cagers dropped three games during the past week to George Williams, Chicago Teachers and Great Lakes.

George Williams scored a basket on the final seconds of play to beat the Techawks last Saturday, Feb. 15, 40 to 39. Mac Byron scored the winning basket for Williams.

The IIT quintet was behind 18 to 17 at the half, but held a 39-38 advantage with only 20 seconds remaining. Carl Bergstrom was high for Tech with 10 points.

Great Lakes Wins, 62-51. Playing at Great Lakes last Friday, the Tech five was downed 62-51 by the sailors. Carl Bergstrom with 19 points and Jim Oldshue with 16 were top men from Tech.

The sailors were led by John King with 17 points.

Lose to Chicago Teachers, 59-34.

Chicago Teachers trounced the Tech five 56 to 34 last Wednesday. Bill Smart tallied 14 points for Tech to take game scoring honors.

Two more games remain on the Tech schedule; Tuesday against ACPE and Saturday against Lawrence.

Williams (40)					Illinois Tech (39)				
B	F	P			B	F	P		
Zitzer, f	1	2	2		Smart, f	1	2	4	
Brown, f	5	2	0		Pleck, f	1	0	0	
Byron, f	6	0	0		Bergstrom, f	3	4	3	
Yawger, c	0	4	1		Sommers, f	1	1	0	
Georgandus, g	1	1	5		Oldshue, c	4	0	4	
Donk, g	2	1	4		O'Geary, g	2	0	2	
					Melik, g	1	3	2	
					Futterer, g	2	0	4	
Totals—28 6 14					Totals—20 11 7				

Great Lakes (62)					Illinois Tech (51)				
B	F	P			B	F	P		
Allison, f	5	3	3		Smart, f	3	1	1	
Smithwick, f	4	0	0		Sommers, f	0	1	2	
Flood, f	1	0	1		Melik, f	1	1	0	
Taylor, f	0	1	1		Bergstrom, c	7	5	0	
Edom, c	1	1	3		Oldshue, g	7	2	2	
Rose, c	4	0	3		O'Geary, g	1	1	0	
Price, g	4	0	1		Dailley, g	0	0	0	
Robertson, g	2	0	0		Futterer, g	1	0	2	
King, g	8	1	2		Schimmelpfennig, g	1	0	2	
Anderson, g	2	0	0						
Totals—28 6 14					Totals—20 11 7				

IN BASKETBALL
at Illinois Tech
CARL BERGSTROM
has the "Edge"
Captains the team in '47

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HOLLOW GROUND

HAS THE "EDGE"

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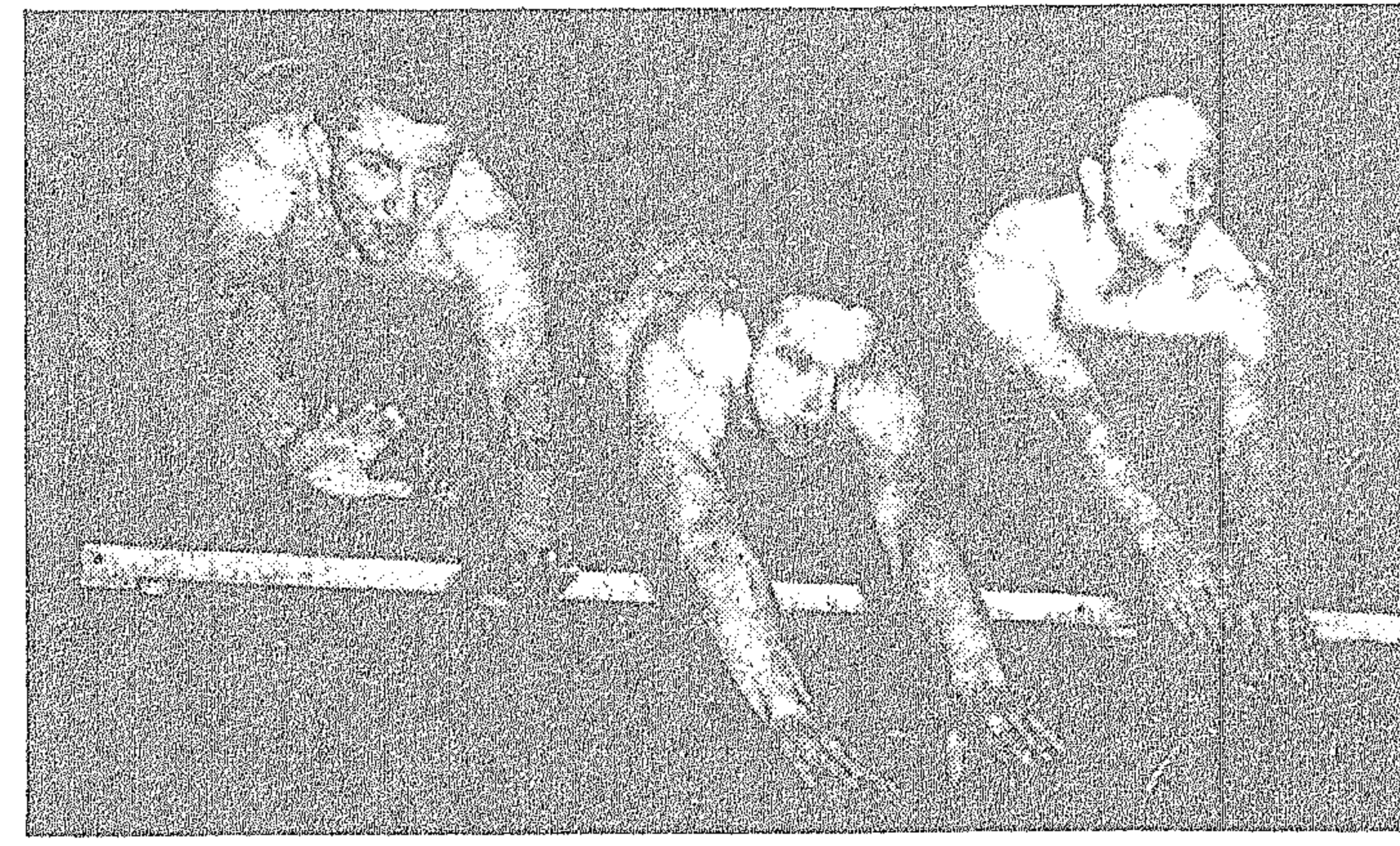
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PAL HOLLOW GROUND BLADES ARE MADE IN U.S.A.
CANADA, BRITAIN AND SO. AMERICA. SOLD THE WORLD OVER

Off to a Fine Start



AND OH SO GRACEFUL!—Shown Above are three of the key men of Coach Ahern's powerful tank team which took nine meets in a row before bowing to Wright J. C. Pictured left to right are Ernie Hellmer, Jurgen Schmidt, and Bill Maier.

Loyola Beats Tech Harriers

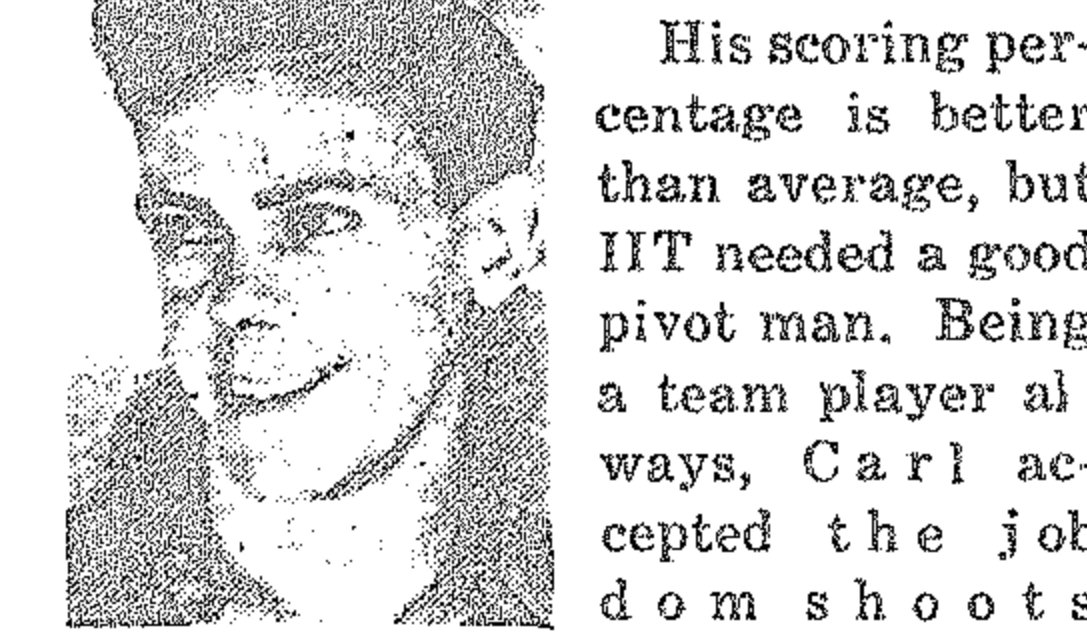
The Techawk track squad lost its first indoor meet of the season to Loyola last Saturday, 67 to 19. Three Tech runners took first places.

Chandler Sammons took a first in the shot put with a 40' 2½" heave, Arnie Harrison won the 40 yd. low hurdles in :05.6, and Miller won the 40 yd. high hurdles in :06.1. Five other Techawks took third places in the meet.

Next Friday at 7 p.m. the track team has a three-way meet with Concordia and Morton J. C. at the U of C Fieldhouse.

Sports Personality of the Week Carl Bergstrom

Because of his record as captain of the basketball team, Carl Bergstrom has been chosen as Sports Personality of the Week. He claims that sport as his favorite hobby, but likes all sports. At Fenger High School he played basketball and tennis.



His scoring percentage is better than average, but IIT needed a good pivot man. Being a team player all ways, Carl accepted the job though he seldom shoots enough to suit the fans.

Besides basketball, he's a letterman in Tennis, and he'll be playing tennis comes warm weather. But with all his sports activities, he has still found time to be a freshman advisor.

During the war Bergstrom was in the Army Air Corps for three years, nine months as B-24 pilot in ETO. He thinks school life is a wee bit on the rugged side after being away so long, and would like to see the administration show more leniency toward veterans whose grades are not quite up to the average.

He thinks too that athletes should be allowed to arrange their class schedules so that maximum study can be allotted without deterring their athletic programs. And he has many other suggestions on social and academic improvements at IIT.

Carl graduates in 1949 but isn't decided on his future. With half a chance he'd like to coach basketball and he's just the man who can do it.

Fraternity PingPong Begins Friday

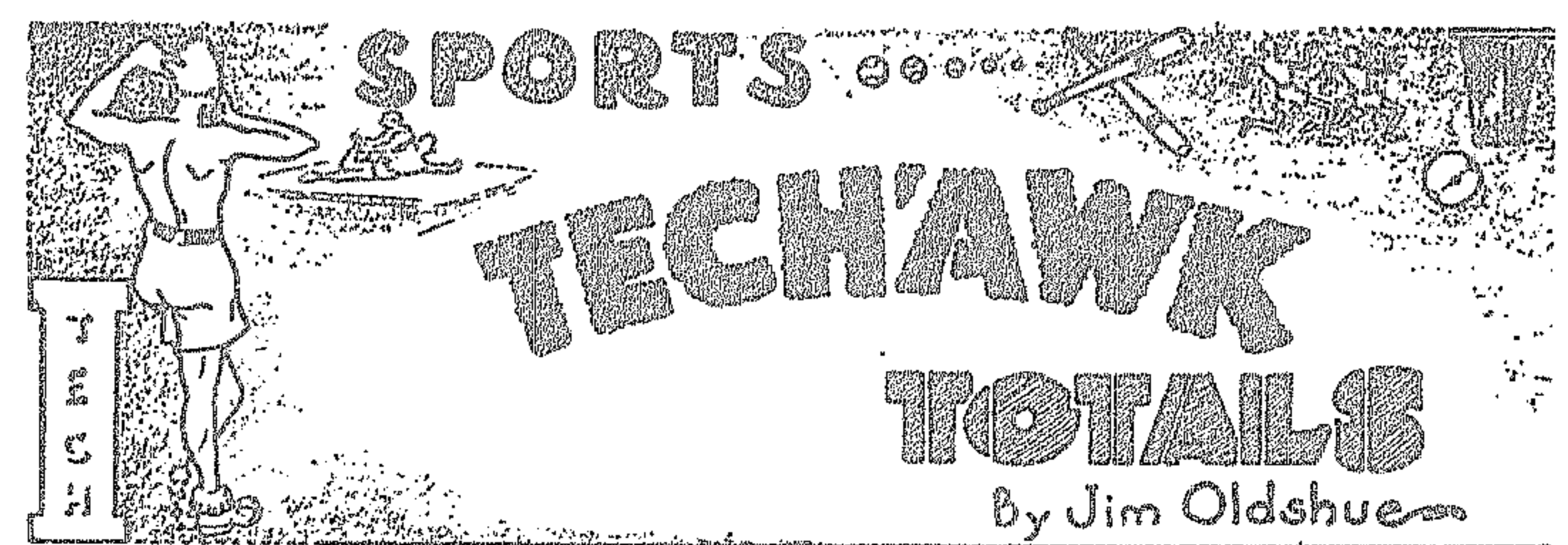
The Interfraternity ping pong tourney will get under way with Triangle meeting Theta Xi at the Alpha Sigma Phi House, at 8 p.m., Tuesday, March 4.

Grapplers To Meet Morton Friday

The Tech groaners will take on Morton J. C. next Friday in one of the last meets of the season without the leadership of their captain, Vic Mieczkowski, who received his sheepskin last month.

The season will come to a close on March 8, when the Techawks invade Wheaton to participate in the Wheaton invitational meet.

The Wheaton and DeKalb matches scheduled for last week were cancelled because the new probational policy of the school disqualified most of the team. Eight grapplers were left after the probational reaper had taken its toll. They are Ronnie Aitara, Jim Fitzpatrick, John Gilman, Harry Himelblau, Bob Montblanc, Guido Norini, Julius Snyder and Leonard Taussig.



In this issue, a new feature is being inaugurated on the sports page, that of the Sports Personality of the Week. Each week, during the semester, the person who runs in an outstanding performance in any phase of Illinois Tech athletics will be featured as the Sports Personality of the Week. The selection will be made by the sports staff of Technology News, and a carton of Chesterfield Cigarettes will be given by Technology News to each person selected.

For the information of all new students, and some old students, all letters received at schools other than Illinois Tech are not allowed to be worn on the campus. The sweaters or jackets with the letters removed may be worn, however. The regulation will be strictly enforced by Honor I, the honorary athletic fraternity.

The probation list has taken its toll in the ranks of the Tech athletes. One of the departments to suffer is the intramural program. As yet, no one to take over the job of intramural manager has been found. This is a job which demands considerable time and skill; a lot more time than the average Techman can afford to devote to it. Efforts have been made constantly to secure a new manager since Ed Arends graduated, but desirable men are either in scholastic difficulties or afraid of becoming so.

Consequently, the basketball tourney has not even been begun as yet, and it looks doubtful whether there is sufficient time remaining to run it off successfully. The ping pong tourney has been scheduled, however, and it seems probable that someone interested in bowling will take over the task of running the bowling tourney. All the news and schedules of the intramural events will be posted on the intramural board in the Student Union lobby.

The varsity teams have also been hard hit by probation. I mentioned last week that the swimming and track teams have positions open for anyone having experience in any of the events. The situation is even more true at this time. The swimmers lost their high point man, and about half of the track team has been lost. Anyone desiring to play on these teams should contact either Coach John Ahern for swimming or Coach Roy McCauley for track.

A manager for this year's Baseball Team is needed by Coach "Sonny" Weissman. The baseball manager takes over many of the details which the coach cannot handle by himself, and travels to all the Tech games. At the end of the season, the manager is awarded a major letter upon recommendation of the coach to the ITSA. Anyone interested in being the baseball manager this season should come into Weissman's office in the Student Union as soon as possible.

Beat Detroit 46-29; Lose to Wright; Squad Loses McNerney

The Techawk swimmers won their hardest meet of the season over a strong Detroit Team, 46 to 29 last Saturday, Feb. 15.

Tennis Meeting To Be Held Friday

Candidates for the Techawk varsity tennis squad will hold their first meeting of the semester at 11 a.m. Friday, February 28, in room 114 Chapin.

All students with former high school, college, or other experience are asked to attend or to contact Coach Bud Hermann.

Additional home and home matches with Valparaiso University, George Williams College and Loyola University were announced by Hermann this week, to round out a 14-meet schedule. Outdoor drills will start on March 17, in preparation for the season opener at Valparaiso on April 12.

Tech Boxers Lose In Golden Gloves

Four Illinois Tech boxers were entered in the recent Golden Gloves Tourney, and three of the four battered their way into the semi-finals. The entries were Milton Garfinkle, 160 lbs.; Jim Shell, 160 lbs.; Bill Schulte, 135 lbs.; and Cy Ohlin, 175 lbs.

Garfinkle won his first bout, only to be forced to drop out in the semi-finals because of illness. Shell and Schulte won their opening bouts but were beaten in the semi-final matches. Due to probation losses, the boxing team has ended practice.

The tankers started off with an early lead with Bill Maier, Ernie Hellmer, and Jurgen Schmidt winning the medley in a very close heat. Then Detroit took the lead and held it throughout most of the meet.

Jim McNerney won the 60 and 100 yard freestyle for 10 points. Bill Maier won the back stroke and John Makielski won the diving. Joe Peter, in one of the last events, touched the Detroit man in the 440 by mere inches to clinch the meet.

The swimmers then went on to take the 400 yard relay by half a pool length.

Lose to Wright, 42 to 33.

Suffering from the loss of Jim McNerney, high point man, and Dan Nelsen due to probation, the tankers lost to Wright, 42 to 33 for their first loss of the season.

John Makielski and Ray Klitzke took first and second in the diving. Jurgen Schmidt took first in the 100 yd. free style, the Tech 400 yard relay team won.

Top North Central.

The tankers overwhelmed North Central College in a return meet at Naperville on Feb. 13, by a score of 48 to 27. This was the eighth Victory for the swimmers.

IIT, 46—DETROIT, 29

300 YARD MEDLEY RELAY—Won by Illinois Tech (Axelrood, Hellmer, Schmidt). Time, 3:24.1.

220 YARD FREE STYLE—Won by Kegelman, Detroit; Bielman, Detroit, second; Nelson, Illinois Tech, third. Time, 2:36.4.

60 YARD FREE STYLE—Won by McNerney, Illinois Tech; Pinkerton, Detroit, second; Carbonaro, Detroit, third. Time, 31.2.

DIVING—Won by Makielski, Illinois Tech; DeMarco, Detroit, second; Haroney, Detroit, third.

100 YARD FREE STYLE—Won by McNerney, Illinois Tech; Pinkerton, Detroit, second; Schmidt, Illinois Tech, third. Time, :56.

150 YARD BACKSTROKE—Won by Maier, Illinois Tech; Axelrood, Illinois Tech, second; Pernes, Detroit, third. Time, 2:00.

200 YARD BREASTSTROKE—Won by Mandel, Detroit; Hellmer, Illinois Tech, second; Beckman, Illinois Tech, third. Time, 2:42.8.

440 YARD FREE STYLE—Won by Peter, Illinois Tech; Bielman, Detroit, second; Lenik, Detroit, third. Time, 5:46.7.

400 YARD RELAY—Won by Illinois Tech (Nelson, Schmidt, Madsen, and McNerney). Time, 3:55.5.

IM Ping Pong Tourney Begins

The intramural pingpong tourney gets under way this week with first round schedules posted on the IM bulletin board in the Student Union.

Twelve men are entered in the singles tourney. The men scheduled to play in the first round must contact each other and play the match off by Friday. Each match will be decided by the winner of two games out of three.

Next week, the second round will be held. The three winners remaining after the second round will play a round robin to determine the final champion.

Five doubles teams are entered in the tourney. The first round will be held with the same arrangement as in the singles tourney. The three remaining teams will then play a round robin next week.

VARSITY SPORTS CALENDAR	
Tuesday	Basketball—AM. Col. of Phy. Ed., here, 5:30 p.m.
Swimming	Chicago, at U of C, 8 p.m.
Friday	Swimming—De Pauw, at Valentine pool, 7 p.m.
Track—Concordia and Morton J. C., at U of C Field House, 7 p.m.	
Saturday	Basketball—Lawrence at Valentine pool, 8 p.m.

Contributions Hit New High 2952 IIT Alumni Give School Over \$100,000

Illinois Institute of Technology Alumni established a new record in annual contributions with the 1946 sum of \$113,175.00. This is double the 1944 figure and nearly \$5000 greater than the 1945 contribution. Harold W. Munday, chairman of the 1946 Illinois Tech Alumni Fund, announced today.

Not only was a record set in the amount contributed, but the number of contributors swelled from 2629 in 1945 to 2952 in the drive headed by Munday, a 1923 civil engineering graduate. More than 400 former students of the Institute worked in contacting other alumni for the drive.

The \$375,449 contributed during the past five years is being used primarily for the \$18,000,000 building program begun at Illinois Tech in 1941 to extend the campus from 31st to 35th streets and from Michigan avenue to the New York Central tracks. Three buildings have been completed and two others are in early stages of construction.

Mr. Munday, who has been chairman of the Fund for 1945 and 1946, will be succeeded by Edwin O. Griffenhagen for the current year. Mr. Griffenhagen, a 1906 graduate of Armour Institute (now Illinois Tech) is president of the management engineering firm, E. O. Griffenhagen and Associates. He has been a member of the Institute Board of Trustees since 1934 and was president of the Illinois Tech Alumni Association in 1912-13.

Golf Team to Meet; Freshman Eligible

Candidates for and members of the Illinois Tech Golf Team will meet Wednesday in room 108 Chapin at 5 p.m. Plans for the 1947 season will be discussed at this time.

Coach Sam Bibb has announced that a tentative schedule has already been drawn up. It includes a trip to several small colleges in southern Indiana during Junior Week.

He urged all persons interested to attend this meeting and pointed out that freshmen are eligible for the team. He also pointed out that the practice driving range in the field-house is open to prospective divot-diggers.

TECHMEN TALK

(Continued from page 3)

pre-registration, many courses were entirely closed. Friends of mine had to take courses other than those they had chosen. There was no excuse for this."

Don Goldsmith, Freshman, Public Service:

"It seems to me that the registration was a lot smoother than last year. I got down here early and noticed that some one sixteenth or seventeenth in line received a number in the fifties. When the low numbers were called, fellows got up that I hadn't seen in line. Politics? I wouldn't doubt it."



OBSERVER

(Continued from page 3)

ening the friendship and trade with the Soviet Union; and finally, halting the war-like piling up of atom bombs on the part of the U.S.

Again note how appealingly logical, how ethically correct, and how peace-loving it all sounds. Is this the policy America could follow to prolong the cause of world peace? Are these objectives set up on a basis which considers the long range welfare of democratic concepts and Americanism or is it set up to accomplish the rather dubious aims of the communists?

Arrange Program For 1947 Midwest Power Conference

The ninth annual meeting of the Midwest Power Conference will again be held at the regular headquarters in the Palmer House March 31 and April 1 and 2. Sponsored by Illinois Tech, the Conference is directed by Stanton E. Winston, Dean of the Evening Division. Dr. Edwin Whitehead has been appointed conference secretary to succeed Professor Charles A. Nash who resigned last spring.

The program is now being formulated and will include a group of papers dealing with the fields of power such as Central Station Practice and Hydropower. Also included, for the first time this year, will be a series of papers on the Metallurgy, Industrial Electronics, Railroad Power Units and the civic responsibilities of an engineer.

Collaborating with Dean Winston in the arrangement of the program are Professors W. A. Lewis, L. T. Rader, J. T. Rettaliata and William Goldman; tentative schedules are now available.

"Join Musical Clubs" Membership Drive

Without waiting for the confusion of beginning a new term to subside, the IIT musical club launched their membership drive, "Join Musical Clubs Week." The aim is to more than fill the blank spaces left by the recent graduating class.

Spotlighted in the series of coming musical engagements is the Spring Concert. The drive was instituted to secure the material for a better program to bring the name of Illinois Tech before the eyes and to the ears of Chicagoans. Other engagements promise the most active musical calendar in two years.

Students with musical abilities are urged to attend any one or all, if possible, of the following rehearsals:

Orchestra, Tuesday 5:15 to 6:15 P.M.

Glee Club, Thursday 5:15 to 6:15 P.M.

Band, Friday 5:15 to 6:15 P.M.
All rehearsals are held on the stage of the auditorium, in the SU building.

Zietz Outlines New Dance Club Policy; Seek Function Sponsors

Ed Zietz, newly elected president of the Dance Club, said recently that during the coming semester, the Dance Club will present a dance featuring Homer Wickham's Illinois Tech Dance Band once a month. It is desired to obtain sponsors for each of

these functions as in the past it has been shown that when sponsored, these dances have been successful due to an increased student interest. The minimum requirements for sponsoring a dance are an avid interest in the success of the dance, the cost of the refreshments desired, and a small charge for poster announcements and invitations. Decorations

are desired but not required.

If your organization is interested in additional publicity, please contact either Ed Zietz, John Doring, or George O'Brien by leaving a note at the post office in care of the Dance Club.

Alumni to Meet Friday

The meeting, to be sponsored by the Delta chapter of Illinois Tech, has been called to reactivate the Chicago Alumni chapter of nearly four hundred men, which was discontinued during the war. Reservations may be made by phoning the electrical engineering department at the Institute by February 26.

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Fifty-five Students Win Scholarships For Spring Term

Six new students have received the freshman scholarship award based upon competitive examinations for their entire freshman year. They are: Paul Cooper, Lane Tech; Karl DeLeeuw, Roosevelt; Edward Rosen, Hyde Park; Leonard Druian, Crane Tech; and Raymond Van Zelst, Mt. Carmel.

In addition, there were forty-nine other students who won awards under seventeen scholarship funds.

Recipients of the Joseph C. Bel-den Awards were: Charles Oldenburg, Erik Paulsen, Leonard Robins, Frank Pospisil, Carl Swenson, Harry Ludwig, Fred Gruber, and Edward Koncel.

Anthony Trozzolo, Lester "Sid" Templeton, Jr., John Stan, and Arthur Dampts received scholarships under the Campbell Fund.

Charles Edwards, Thomas Welch and Louis Baker, John Reding and Howard Baum, Belton Ostrom, Frank Pospisil and Paul Roys won scholarship awards under the William J. Cook, B. A. Ekhardt, Edward G. Elcock, and Alfred L. Eustice funds respectively.

Some of the other awards distributed were to Michael Devich, Theodore Shapin and Salomon Cherem, Maristell Dixon and Harold Esser, Sidney Lewis and Patricia Kennedy, Reva Zlotnik under the Max Goldenberg, George E. Kuh Memorial, Malek A. Loring, and Charles W. Mann Funds respectively.

The La Verne Noyes awards were won by Sherwin Rosenberg, Arnold Mullen, Robert Sharp, Eleanor Vedel, William Greenberg, Marlys Hewitt, Estelle Jesser, Betty Duke, Alvin Eaton, and Roy Running.

William Boyer, David Halperin and Reva Zlotnik received scholarships under the Isadore S. Prenner fund. Kolbjorn Oerby and Johan Ringstad, both from Norway, were awarded special scholarships. Martin Gabriel, Sidney Lewis, Leonard Rabins and Alan McRae, Rudolph Zepeda and John Smith won scholarships under the Bernard E. Sunny, Weymer, and White-Eckhart funds, respectively.

These scholarships were awarded on the basis of scholastic record and actual financial need, stated Dean Jack White.

Rev. C. J. Marhoefer to Address Newman Club

Plans for the new semester will be discussed at the Newman Club meeting this Wednesday evening. At the meeting to be held at 5 p.m. in

305M, Rev. C. J. Marhoefer, the club's new temporary chaplain, will be introduced and will give a short talk. Father Marhoefer is an instructor at Quigley Preparatory Seminary and has taken an active interest in Illinois Tech's Newman

Club for several semesters.

All Catholic students are cordially invited to attend the meeting, said Robert Ricker, president. This first meeting is to be a business meeting with the primary objective being to have those present become acquaint-

ed with each other. Members of Newman Clubs at other Chicago colleges will be invited to future meetings and music and refreshments will be provided to lend a social aspect to the club.

TRIPLE SMOKING PLEASURE

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● JUNIOR WEEK

(Continued from page 3)

elected by student poll from photographs submitted by IIT's struggling engineers. This custom has been carried on to the present. The policy for the coming affair will be a bit different. The student poll will be run but this year it will be to determine the Man and Woman of the Year from among the active members of the senior class. Scholarship and activities will be the basis on which the couple is chosen.

An old tradition that has been excluded from the program is the brutal Soph-Frosh sack rush. This minor massacre took place on Ogden Field. No holds were barred on the Frosh who were caught by the advanced class pursuers.

During the war IIT activities took a drop but now they have gained momentum again and the old beloved traditions are coming back: the freshman class has challenged the sophomores to a game on the baseball diamond, the fraternity sing with all of the beauty and solemnity of the fraternity fellowship, and the grand formal Prom will be but a few of them. This year Junior Week will be held on April 23, 24, and 25 when classes will be excused so that all students will be able to join in the fun.