

THE ITSA HAS left unattended the matter of setting up machinery for general elections next semester. It should be remembered that if there is to be no lag in the activities of classes and the ITSA itself, this should be taken care of immediately at the beginning of the new term.

A GOOD NUMBER of students have wondered why this paper has never used its editorial columns for airing its views on national political issues. Since those persons are paying for this publication, I give them an answer. First, the politics of both the Democratic and Republican parties are well presented by capable commentators in five Chicago newspapers.

Secondly, being without close connection to matters of public concern, and having, therefore, as a source of information only such material as is set in newsprint, it would be foolish for the members of the Managing Board to print their views in a paper which is sent throughout the United States and territories as the representative voice of the Institute. Third, there are enough matters of concern for *Technology News* on this campus so that it need not stray into other fields.

There is, however, nothing to prevent the next editors from taking on a new policy, should they so see fit.

Fredersdorff Is Top Man

Claus George von Fredersdorff and Mrs. Sylvia Hershenson will be the Armour and Lewis honor graduates, respectively, at this term's commencement.

Claus von Fredersdorff is the honor student from the Armour campus with an average of 2.94.

Claus, who was born in Berlin, is the son of a former German count. He commutes from Roselle, Illinois, and will get his degree in chemical engineering.

Mrs. Hershenson commuted from Park Ridge during her four years at Lewis. She has a daughter Jeanne, 17, who graduates this month from Township High School in Park Ridge.

Mrs. Hershenson's 2.43 average is the highest among the students graduating from Lewis.

Graduation to Take 22 V-12 Students

A total of 22 V-12 men will complete their college training at Illinois Tech at the end of this term and will be sent to one of three midshipman schools, according to Lt. (jg) M. P. Andersen, executive officer.

Five of the men will be stationed at Columbia University in New York, one will go to Cornell University while the remainder are to study at Asbury Park, New York. Asbury Park is a pre-midshipman's school.

Of the twenty-two, eight will receive degrees graduation night. Andersen stated that it is not yet known whether the men will receive leave before they report to midshipman's school.

2 Technical Drawing Instructors to Leave

George W. Larson and Herman Gerhardt, both instructors in the technical drawing department, will leave the school within the next few days.

Larson, who teaches on the south campus, will be drafted, but as yet does not know to which branch of the service he will be assigned. The reason for Gerhardt's departure from the George Williams campus is to take a job in industry.

TECHNOLOGY NEWS

Volume 35, No. 13

ILLINOIS INSTITUTE OF TECHNOLOGY

June 12, 1944

New Tech News Editors Chosen

Olson, Nelson Picked to Be New Co-Editors

Misch to Be Business Manager; Other Posts Will Be Filled Later

A/S Ray Olson and Herman Nelson, as co-editors, and Robert Misch, as business manager, will head *Technology News* next term. The other managing board positions will not be filled until the beginning of the new semester, since it is not certain which staff members will be back this summer.

Olson, who is now in his sophomore year, was a student at Illinois Tech before entering the navy. During his first year, he was freshman delegate to the ITSA, a reporter on *Technology News*, and a member of the orchestra and the band. He is also a member of a social fraternity, Pi Kappa Phi. Ray has served as navy editor of *Technology News*. During his freshman year, he held a William J. Cook scholarship.

In entering upon his duties as editor, Ray follows in the footsteps of his brother, Art Olson, ChE '44, who was managing editor of *Technology News* in 1943. Unlike his brother, Ray is majoring in mechanical engineering.

Herman Nelson, a junior chemical engineer, has maintained a straight 3.00 average at IIT. He has a long record of service on *Technology News* behind him, having served while an underclassman as reporter; headline, copy and rewrite editor; and assignment editor. During the present term he has filled the position of business manager on the paper.

A member of the AICHE, Herman was recently taken into Phi Lambda Upsilon, the honorary chemical society. His journalistic work was recognized in his initiation into Pi Delta Epsilon, national journalistic honorary, last year; he will serve as vice-president of this group for the

(See EDITORS on Page 5)

Is Co-op Store To Keep Room?

Will the Co-op Bookstore lose its quarters? Will the Armour Eye be forced to give up its present club-rooms?

These questions were the subject of much discussion on the south campus last week as rumors passed about to the effect that the Institute would not renew its agreement with the Co-op after the present one expires on August 30, and that the chemistry department was going to take over the quarters of Armour Eye for a chemistry laboratory.

In an attempt to obtain authoritative information on both these items of "scuttlebutt," President Henry T. Heald and Institute Treasurer Raymond J. Spaeth were interviewed. They indicated that there is little likelihood of the Armour Eye's becoming a chem lab in the near future, and also that the administration may renew the agreements with the Co-op.

With regard to the bookstore, Pres. Heald made clear that the organization cannot be allowed to continue indefinitely in its present location. He definitely disapproves of a business enterprise, run on a casual,

(See CO-OP on Page 5)

Gas Institute Gets Building Priorities

Priorities have been granted the Institute of Gas Technology for the construction of its new research building, to be located between the Gas Institute and the Gas Annex building on State Street.

According to W. J. Parduhn, director of maintenance, actual construction work will start in about ten days. The building will be furnished with heat, water, gas, and ventilation, the heat being supplied from the main building steam system.

20% of Freshman Class May Return

Less than 20% of the members of the present freshman class are planning to return next semester, a recent poll of the class revealed.

Of the 141 freshmen enrolled at the beginning of the current semester, five have already left for the armed forces. Many of the men have deferments until the end of this semester and the majority will leave August 1. A few who have enlisted in the reserves will probably not be called until the end of the term in which they become 18. Still others have not reached 18 and they, with those classified 4F, will be the nucleus of the returning freshmen next term.

\$150,000 ARF Snow Cruiser Now Lies Buried in Antarctic Snow

Beneath 30 feet of snow at the Little America base in Antarctica lies the \$150,000 snow cruiser, property of the Armour Research Foundation. This was revealed recently by Lt. Cmdr.

Thomas C. Poulter (USNR), ARF scientific director. The snow cruiser was first conceived in 1939 when the government appropriated \$340,000 for a polar expedition to lay claim to the lands east of Little America.

Whether the cruiser is still intact is a matter of conjecture. In the spring of 1941, the United States government called off the three year expedition after one year had elapsed because world conditions made it necessary to recall the ships and men and to leave the cruiser behind.

As the American ship, the North Star, steamed out of the Bay of Whales on the first leg of its voyage home a Japanese trading ship was sighted. Attempts were made by the Americans to contact the vessel but it refused to answer radio signals. Being faster than the North Star, it could not be overhauled; thus it is not known at the present time whether the Japs returned to the base.

According to Dr. Poulter, designer of the cruiser, a month of open

(See CRUISER on Page 5)

Daily Schedule To Be Changed

Starting next semester, classes will again go back to the former arrangement of starting ten minutes after the hour and ending on the hour. Classes will start at 8:10 a.m. and continue 'til 5 p.m. This was announced today by W. E. Kelly, registrar.

There will be two free hours each week. The first free hour, Wednesday from 11 to 12 a.m., will be for both navy and civilian students. The hour can be utilized by assemblies, clubs, social activities and other similar activities. The second free hour is to be for the navy men only. It will be held on Friday from 11 to 12 a.m.

The navy chow period will be changed. The new time will be

(See SCHEDULE on Page 5)

118 Degrees to Be Granted Sunday

Co-op to Give Dividend of 8%

The Engineers' Cooperative, Inc., has declared a dividend of eight percent of total purchases made in the period of February 1 through May 31, inclusive.

Members may receive their dividend by coming up to the Co-op Bookstore on or after Thursday, June 15, and showing their certificate of capital stock. Don Arenson, president, invites those who are not now members to join by investing two dollars in a share, which is refundable at any time. The Co-op will also welcome students to work on its staff. Those interested may see any of the present staff in the bookstore, fourth floor, Chapin.

Honor Man



HIGH MAN—Claus von Fredersdorff, with a 2.94 average, is the top scholastic honor student graduating this term.

151 Begin IIT "In Plant" War Courses; 93 Women Are Included Among Trainees

New IIT Committee To Assist Veterans

A faculty committee on planning for returning veterans has been organized at IIT, with Dean Charles A. Tibbals as chairman. According to Tibbals, this committee will plan "the reception, placement, registration, orientation and counseling" of veterans who will return to IIT.

The other faculty committee members are:

Dean H. P. Dutton, W. E. Kelly, registrar, W. C. Krathwohl, director of tests, J. D. Larkin, Dean J. C. Peebles, M. B. Reed, and Dean E. T. Walker. Larkin and Reed are the chairmen of the IIT Post War Planning committee.

The group will meet periodically to draw up plans to be put into effect after the war.

One hundred and fifty-one persons, representing four different industries, have begun "in plant" war training courses, given by Illinois Tech, within the last week. Ninety-three women are included among the 151 trainees.

Forty men from Braniff Airways, Incorporated, began studying "aircraft electrical systems" last week. The course is the first Illinois Tech has given exclusively for an airline. The men go to school five evenings a week for three weeks, holding down their jobs during the day.

At the same time, 75 employees of the army finance department—67 of them women—began a 15-week course in "fundamentals of accounting."

"Fundamentals of accounting" also opened this week for 20 employees of Swift & Company. Ten of the trainees are women.

Dr. Birkhoff To Be Speaker 10 Advanced Degrees Will Be Conferred

Graduation ceremonies will take place for 118 students on Sunday, June 18, at the Museum of Science and Industry. Highlighting the program will be the awarding of honorary degrees to two famous men.

Dr. George Birkhoff, the speaker for the graduation, will receive a Doctor of Science degree for his contributions to teaching and research in mathematics; and Vice Admiral Ben Moreell will have the degree of Doctor of Engineering conferred upon him for his technical contributions to civil engineering.

Seven men will be awarded MS degrees and three will receive PhD degrees. These men are:

Master of Science in Chemical Engineering
Thomas V. Freiley
Master of Science in Chemistry
Irving P. Goldstein
Eugene H. Stevenson
Master of Science in Mechanical Engineering
George H. Martin
Master of Science in Physics
Carroll W. Lufey

Master of Science for studies completed at the Institute of Gas Technology

Thomas L. Pelican
Leonard Savory
Doctor of Philosophy in Chemistry
Robert H. Saunders
Harvey J. Taufen
Doctor of Philosophy in Electrical Engineering

Arthur Goldsmith
Ten students will serve as Honor Marshals at the graduation ceremonies. These students have been selected by the dean for their

(See DEGREES on Page 7)

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Now and the Future

Floated into, dropped into and propelled into France, thousands of Allied soldiers today have the fate of the world in their hands.

Buddies in arms, British, American and Canadian troops, are today bearing the brunt of German counter-blows. Before long casualty lists will begin to tell the true story of the tremendous undertaking now underway.

For those who have embarked to begin the string of victories which will lead to the ultimate eradication of oppression, want and fear from the world, there must be a continuous flow of reinforcements of every description.

Supplying this victory bound armada is the job of logistic experts. We in the classroom have a job also. Our job is easier but we must work hard to show the fighting man that we are earnest in the little we are doing in comparison to the hazards he is facing for us. The chances are that students from IIT are taking part in the invasion. We at home must take pride in the accomplishments of our predecessors and give our utmost to prepare ourselves so that we too may lend a hand in the battles and decisions to follow.

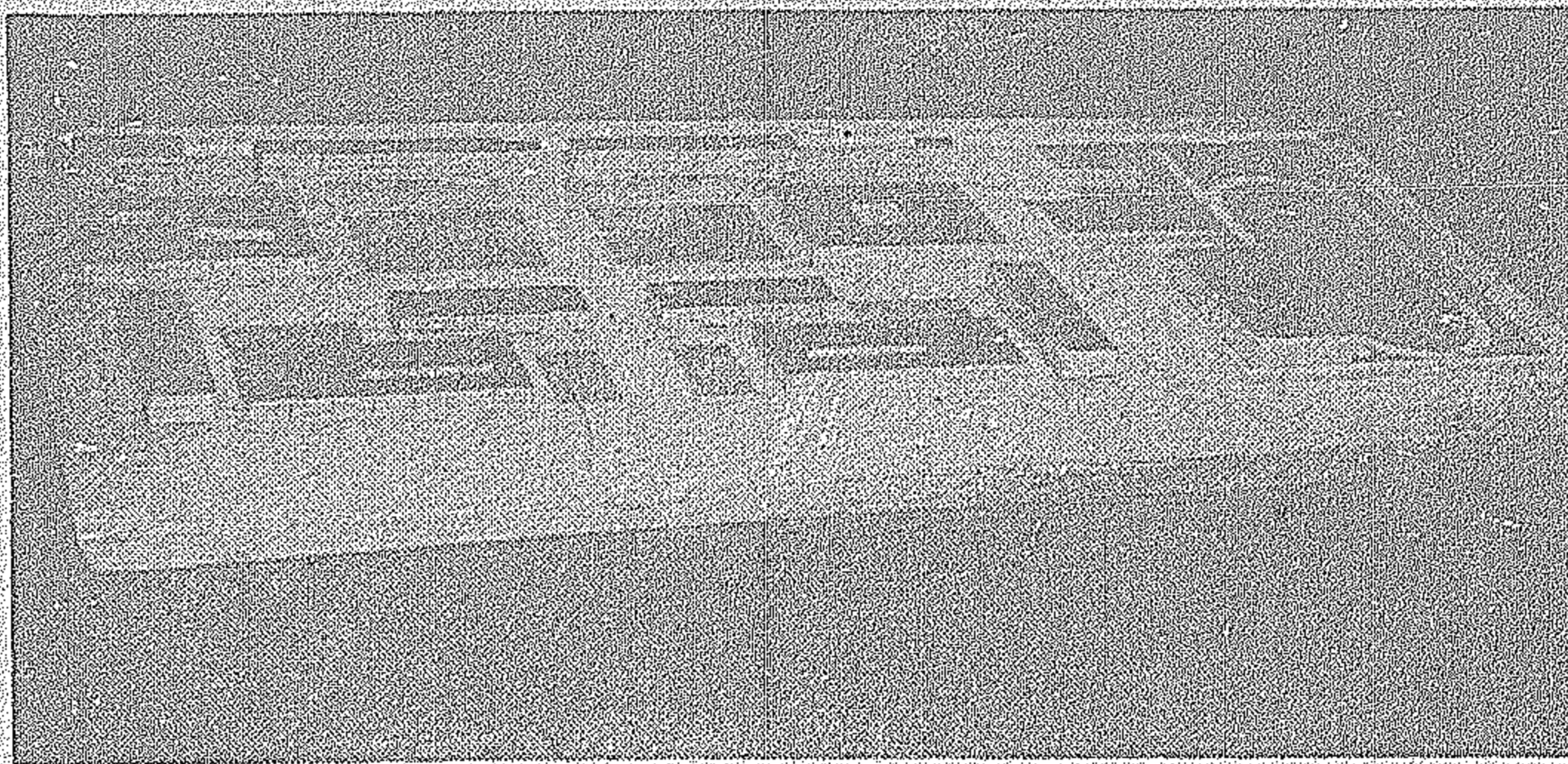
Platform must be established in order to cope with the intricacies of world politics and home economy and religion for the future. America will not be left alone if isolationism prevails.

In addition to our small part in the present battles, there is another job at hand for every student and faculty member. It is an accepted fact that we are "qualified thinkers". That is, we reason logically. Far too little logical reasoning was done at the end of the last world conflict. It is up to us, and the thousands of other like us all over the country to begin to think and plan a program to be followed after the final blows are delivered. Much has been spoken and written of "lasting peace". We must see that each individual does not "pass the buck" and let the other fellow do all the deciding. It is not a privilege to form opinions based on reason, it is a responsibility.

It is folly to think that radical ideas which have been pounded into the heads of three generations can possibly be erased by an "armistice". It is difficult to tell our underpaid agricultural farmers that they should produce more food to feed foreign people until such time as these people can provide—especially when this time may be a matter of years. It is irony to believe that our soldiers are giving their futures up in order to stamp out racial persecution abroad when racial prejudices exist in our "land of the free". Let each of us resolve that when that great day of victory comes, we will have made some perceptible advances toward solutions of these all-important problems.

—SID BAKER

Something To Come Back To



CAMPUS DEVELOPMENT—The above pictured "streamlined" Illinois Tech campus is what now departing students will return to when the tools of war are laid aside, for the \$3,100,000 IIT development program awaits only the termination of the conflict in order to become a reality.

Planned are a \$550,000 metallurgy building, a \$600,000 building for mechanical engineering and buildings for chemical and electrical engineering which cost approximately \$450,000 and \$500,000 respectively. This proposed library and administration building is to cost \$600,000. The funds necessary to complete this tremendous project are now available to the institute.

Other buildings are a \$400,000 humanities structure and a new Fieldhouse with much improved athletic facilities. The program also calls for new and enlarged research facilities for the Armour Research Foundation and the Institute of Gas Technology, both of which are affiliated with Illinois Tech.

Research Reports—

Human Engineering Laboratory Measures Individual Aptitudes

(EDITOR'S NOTE: This column will present each week a brief report of the various research projects being carried on at IIT. Since Technology News is the student newspaper of a technical school, these articles will be of a more technical nature than would be possible in an ordinary newspaper, but they will nevertheless be written in such a manner as to be accessible to the majority of the student body.)

Perhaps one of the least known branches of IIT is the Human Engineering Laboratory. This research laboratory, located at the old armory at 1800 S. Prairie Avenue, is engaged in testing and measuring the aptitudes of the individual, so that he may see his personal characteristics and judge more intelligently each decision which arises throughout life.

Founded 20 years ago and located in Chicago some twelve years later, the Human Engineering Laboratory has developed its testing techniques until it can now measure thirteen separate aptitudes. Some of the individual aptitudes measured are personality, structural visualization, accounting aptitude, tonal memory, inductive reasoning, observation, creative imagination, and number memory. From these observations the individual can tell what field he is suited for, how he can work more efficiently, and how to increase his mental capacity.

The examinations are divided into two, three-hour periods, in which experimental tests are given. The actual measurements are taken, and a personal interview to interpret the results is given in conclusion. The tests are offered to the individual or to a small group, whichever leads to better results. Spectators are barred so as to overcome nervousness and thus allow the instructor to obtain a clearer understanding of the individual's personal characteristics.

The ages of those tested vary from nine-year old, grammar school

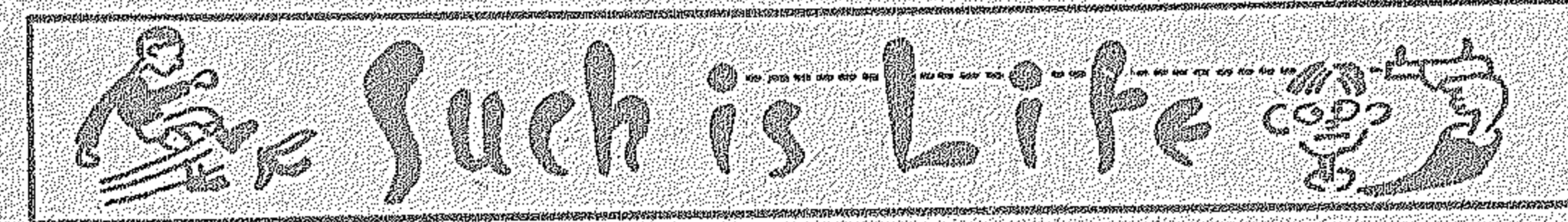
students up to adults of all ages. The age group most predominant is the 35-year old, adult class. Their chief reason for taking the tests is to find their adaptability to a new field, having expressed dissatisfaction with their present vocation.

The tests are most useful to high school students who are trying to decide upon a future. The measurements can lead them to adopt the best policy for their future education.

IIT has sponsored this organization with the policy that those desiring a future education should know their adaptability to the field which they have chosen before they proceed in college. Since IIT is a technical institute, it is interested in stressing the development of structural visualization measurements.

About 6000 people are tested in the laboratories each year, a large percentage of whom are college students. Business executives wishing to determine the capability of their employees also use the services of the organization.

Fees are charged to cover the costs of the examinations only. The amounts charged vary according to the type of tests taken and the time required.



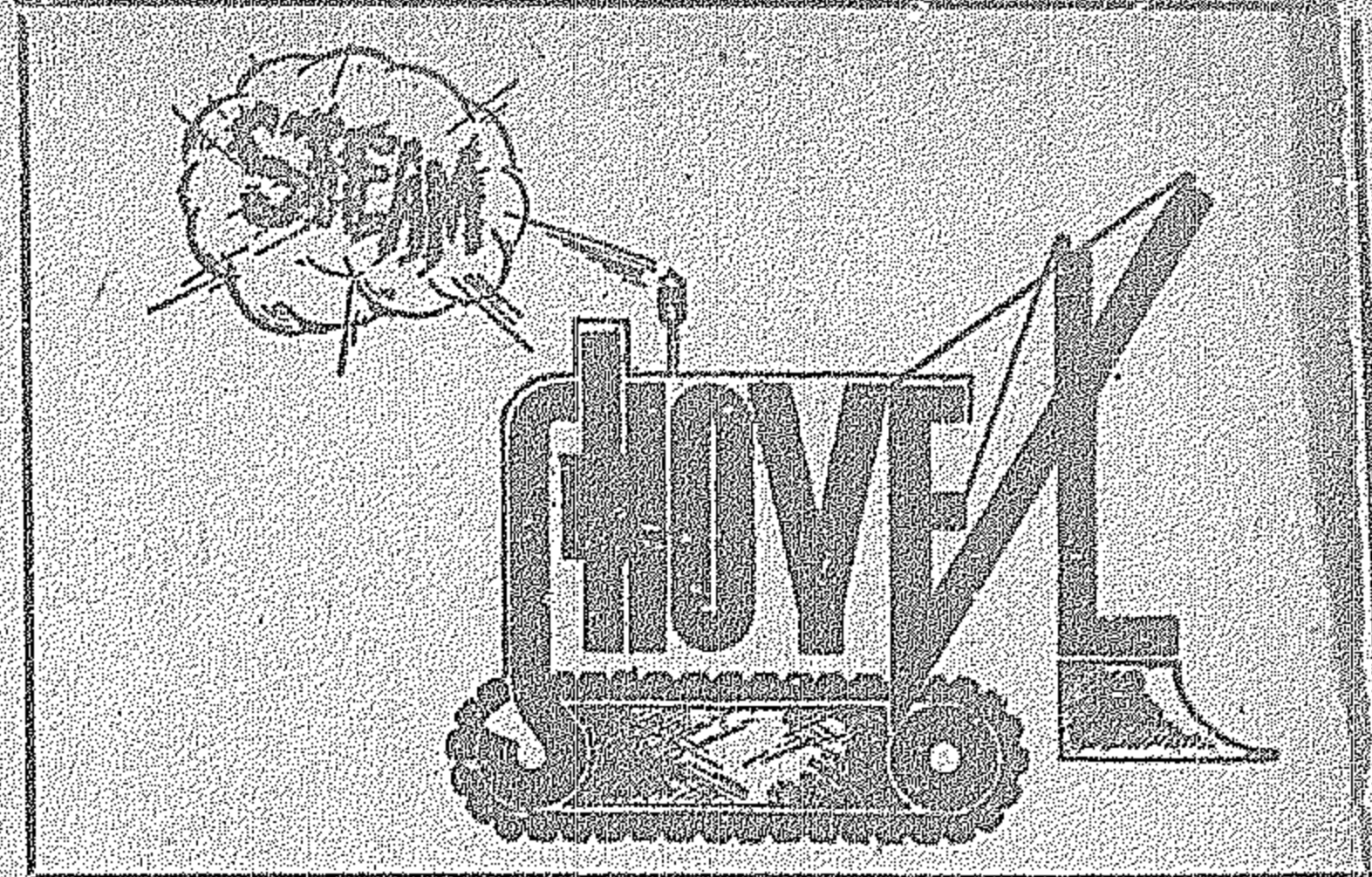
Now let me tell you about tough situation. When people comes from old country, they is finding many things different. Here is best to talk about girls, for all over the world people usually got something to say about girls.

In old country girls is very conservative. You don't go kissing them there after take them out for a few hours on dancing or moving picture show. Peoples there is more conservative. You got to take them out twice and maybe three times first. You can't go by what they say about these things in books cause authors are all Americans who never been to old countries. They just got good imagination, let me tell you, they is really good imaginations. I not talking here about what happens in pink light places.

Now when man comes to this country on boat and land, he want to meet nice young American girl. So

maybe he has friend here who meets him with girls. So, he then goes out to dance, go later somewhere to eat, and then fellow from old country finds tough situation. In old country it must be man who makes advances. Here, fellow want to take girl home cause he have to be at work early next morning, but girl says she want to see big moon and stars over lake. Cause man from old country know about how to sail boat by stars he think maybe should park and tell her about this. He park, but girl put arms round him, and makes prune face lips, closing eyes, and can't see stars he talk bout. When he no kiss her, she come in for kill, and when he go home must have handkerchief washed cause it be all full of red stuff.

This is what I call tough situation. In old country, such things no happen. I didn't like it. But peoples tell me, in America, such is life.



Mr. Rufus Oldenburger seemed to be having a little competition the other morning during his analyt class. The birds were singing so loud, that it was impossible to hear him. "This is one kind of competition I don't mind," he exclaimed, "at least it is not the monotonous drone of the snorers."

ATTENTION, gals! Frank Sinatra has arrived on the south campus. He is wearing his cute bow tie, and baggy pants, and his curly hair cropped short. Traveling incognito, he is using the name Milton Oran. He is quite indignant because the femmes don't swoon when he sings "Oh, What A Beautiful Morning" in his high, clear, heavenly voice.

In Dr. C. Kintner's Ch. E. class, Seymour Axelrod spoke up saying "I think I know what you are doing, but I would like to hear you say it again. Oh My!"

Dr. Bruce Longtin must have experienced some rather uneasy moments at the recent Alpha Chi Sigma beer party. On that occasion, the fraternity pledges presented an original play, the plot of which depicted Dr. Longtin conducting one of his physical chemistry classes.

William Ruby displayed his courage by handing in an English theme criticizing the course and the methods employed in teaching it. The instructor, Alfred C. Ames, read the theme aloud, having a slightly embarrassed look on his face. When he commented on the paper the class took sides with Ruby and forced Ames to retire in disgrace. Strangely enough, Ruby's theme received an A grade.

Thomas A. Hunter walked into his F. P. E. 301 class one day and found a notice on the blackboard which said: "There will be no class today. I have been drafted. T. A. Hunter". We quote from Mr. Hunter, "You don't know how true that is, fellows, you don't know how true that is."

Darwin Kruzic, freshman, is threatening to pay the full 8 cents street car fare if those conductors don't quit heckling him. Every day Kruzic whips out his "student card" and deposits the four coppers with the treasurers of the "Red Rocket". He says he never fails to get the reply, "Say is this card good? You look pretty old for a high school student." Kruzic naturally replies, "Of course it's good," but oh how it cuts him to think that they mistrust him!

Dr. Herbert Busemann and Elia Sternberg were engaged in a lively game of ping pong. During the course of the game, the ball was hit into the air and suddenly stopped as if suspended. Teaching falsehoods created such a fear in Sternberg's heart that fainting was near at hand. All he could figure was that at a certain crucial way or a specialized area, the law of gravity was nonexistent. He was again relieved when he discovered that the ball was held fast by a cobweb.

Homer Rissman, junior architect, gets a great deal of pleasure out of taking his shoes off and playing baseball, in Grant Park, barefooted. Says Homer, "I like to feel the grass between my toes." That's what it does to a person being an engineer!

Dr. Frederick K. Richter, associate professor of German and master of many languages told a beginning German class that when he recalls his former loves, he thinks of each one in a different foreign language. Larry V. C., however, doubts that he has met any Lithuanians!

It has come to our attention that Prof. Krathwohl has been gibbing a person in his class because of an item which appeared in this column. These articles are written in fun only, and sometimes exaggerated because of misinformation. No one has the right to derive an opinion of anyone else on material which is printed here.

Was Clarence Sikorski looking for "pebbles" on the North Ave. Beach at 4:30 a.m. last Sunday or was it the hot weather. At that hour "Shorty" claims one may find anything he desires. Now is this philosophy or is it spoken from experience?

Last Saturday night, Les Price was caught with his pants down (doing Lab reports), when three comely feminine friends called at his home. In this precarious position Les called on Harley Flanders to come to his assistance. With thing looking promising Harley was glad to comply.

—XETER

Man Of The Week—

Honor Student Fredersdorff
Tops Class With 2.94 Average

Topping his class with a 2.94 average, Claus George von Fredersdorff, chemical engineering student, will be "honor man" at the graduation this Sunday.

Claus is graduating in his seventh semester with a total of 154 credits, 27 of which he is now taking. Since his sophomore year he has enrolled in an average of 22 credits per semester and has been able to win a scholarship each time.

Born in Berlin, Germany, May 12, 1923, George came to the states in 1924. The "von" in his name was derived from his father, Count Curt von Fredersdorff, who was a friend of Kaiser Wilhelm.

Claus attended the Glenbard High School in Glen Ellyn, where he was valedictorian. His interest in speaking was displayed by his participation in the Masque and Gavel debate club and public speaking society of Glenbard in which he starred in many hot-worded battles.

Arriving at IIT in September, 1941, George soon became a "man on

campus." In his first two years he was active in the rifle club. As a junior he was elected into Phi Lambda Upsilon and Tau Beta Pi and last year he was chosen for "Who's Who in American Colleges and Universities" and as an Honor Marshal for the February graduation.

George also earned much of his living expenses by working at several printing plants in Chicago and by being a student assistant in the chemistry department for three semesters. Blue-eyed George has had little time lately for his hobbies, which are trifling with explosives, hiking in forests and playing classical records. As Claus puts it, "I can sit and listen to Brahms, Liszt, Wagner and all the others for hours and hours!"

The never-failing arm of Uncle Sam is awaiting George upon his graduation; but he hopes to obtain a commission and in the future work in industry while studying for advanced degrees.

—SID BAKER



More to Say on M.A.A.:

The V-12 unit of this institution has been receiving an unfavorable coverage by your paper for quite some time. Most of the boys were sensible enough to see that, since they weren't able to work on the paper themselves, that it was merely a tough situation that had to be put up with.

Now an uninformed civilian, going on the heresay of minute minority of unnamed seamen, has the downright gall to tell the Navy office how the unit should be managed.

The reference to "reluctant" M.A.A.'s was truly a gem. The greatest case of reluctance I've seen or heard since attending this school in civilian or V12 garb was the unwillingness of the Editorial staff of Tech News in giving credit to the men behind the Navy Ball (which affair was unprecedented here before the arrival of the unit) until popular opinion practically forced it down its throat. Enough said about the paper.

Any person that doesn't have enough fortitude to be able to study with a normal amount of conversation going on around him and not cry about it isn't worthy of an apprentice seaman's uniform, much less a Naval officer's. Who would be able to respect such a child?

I believe you will find I do not stand alone on these issues.

A/S C. E. McElhaney

And More:

Your editorial in the June 5 issue of the Tech News has evoked quite a bit of criticism within the quarters.

I can't help but disagree in part with you. Strictly supervised study hours are not to be desired. Speaking for myself, and some others, I can say that we would greatly dislike anyone peering over our shoulders every few minutes to see whether or not we are studying.

The problem is not with the reluctance of the "M.A.A.'s" to enforce quiet hours. We do see that they are enforced to a considerable degree. Any unnecessary outbursts are dealt with accordingly. There are only a few in each quarters who are the habitual rumpus raisers. These men usually congregate in the lounge, or are sent there by those who wish to study. It takes very little on the part of the men to enforce quiet hours.

Living under such conditions as we do, it is necessary to maintain order with the least amount of friction.

This must be done in order to get maximum efficiency from the men of the unit. The Navy office is doing a good job, and feels, I'm sure, that this is a problem which the men themselves must solve.

It is thoughtful of you to concern yourself with our welfare; but the problem is one for us to solve, and one which we can and will solve for ourselves.

George G. Liest

And More:

Thanks for your advice on how to run the navy Mr. Burkart, but next time you get one of your brilliant ideas perhaps you had better "stow it". The truth in your story has no bearing on our gripe. What we object to, is that you are telling the navy how to study. Next time you are out on that mid-week date compare your "studying" with that of the navy man back at his quarters and maybe you'll "permit" the sailor to have a little fun too.

V-12'er

Doing a Good Job:

In response to W.T., I would like to add my opinion. As one who has built the IIT Alumni Service file from 650 men in service to 1,500, let me say that we at the Alumni Office are not at fault.

Of late we have had very little correspondence from the boys, which you, I and everyone else can very well understand. Though some of their mail went unanswered their names were put on the Honor Roll and their addresses and rank has been taken care of on our records.

If the boys can't keep in touch with the Alumni Office after they leave school, how we can locate them? If you can answer that we would be grateful.

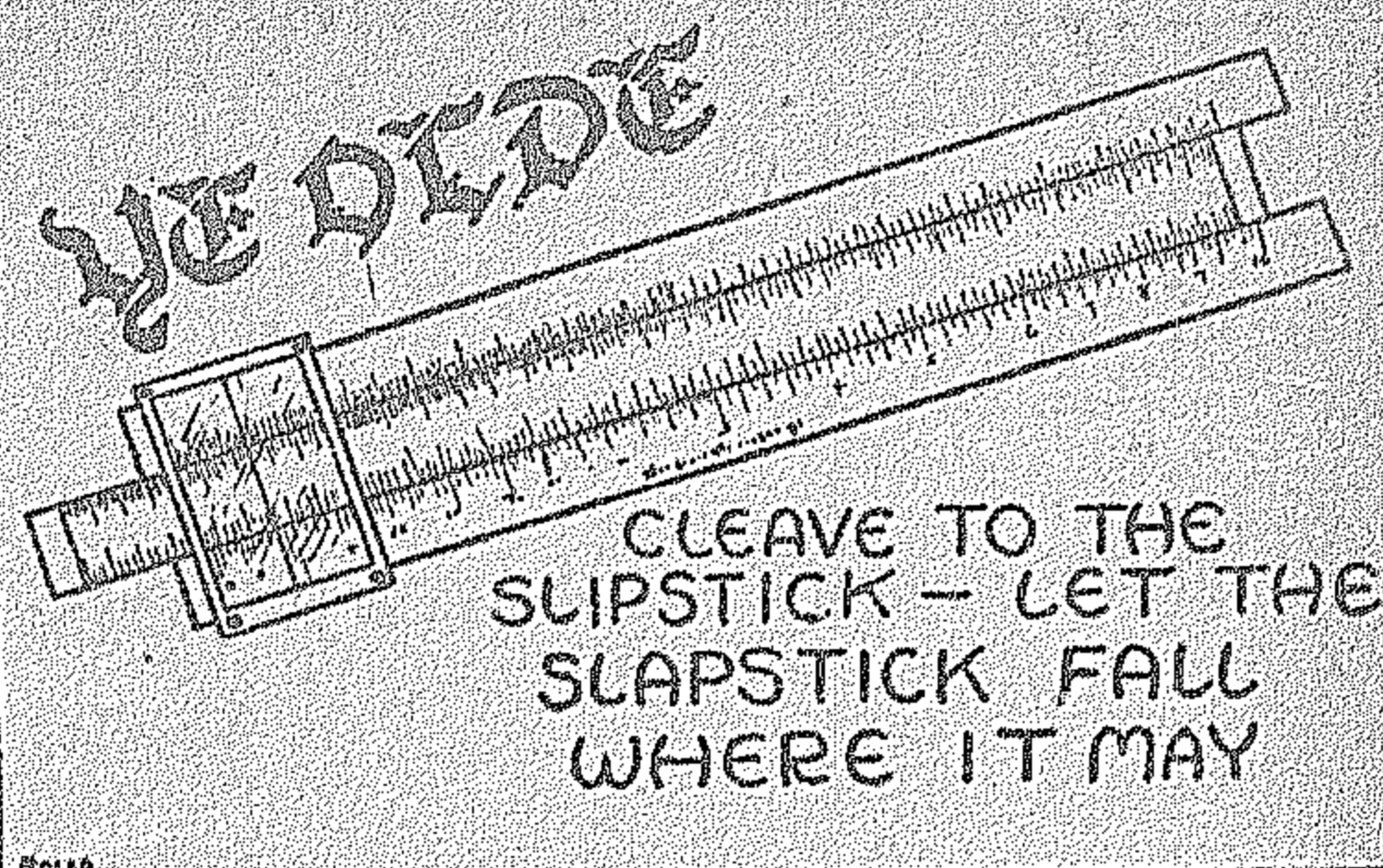
B.V.—Alumni Office (IIT)

Farewell:

Graduating from IIT one's memories come back in retrospection of the experiences he has had in college. A fellow remembers with a bit of nostalgia his freshman "greenness", and now grown into a blase senior he appreciates the things which his professors, deans and other counsellors have done to help push or pull him through the grind.

One leaves his undergraduate days behind him and faces the turmoil of reality with sincere gratitude to his many associates, both faculty and student, who have impressed an indelible mark of comradeship on him, which will serve him well in the future. So long IIT. Thanks a million.

Senior



The end of the semester is here and I expect that most of you are hitting the Bromo bottle, or is it that other one, to deaden the pains of torture. Just to lend a lift I am adding to your daily tribulation several quips:

IIT

Church Note:

Thursday at one o'clock the Ladies Benevolent society will hold an ice cream social. All ladies giving milk will please come early.

IIT

A Scotchman awoke one morning to find his wife had passed away during the night. He leaped from his bed and ran horror stricken into the hall.

"Mary," he called downstairs to the general servant in the kitchen, "come to the foot of the stairs, quick."

"Yes, yes," she cried, "what is it?"

"Boil only one egg for breakfast this morning," he said.

IIT

Another Church Note:

After the sermon there will be a special meeting to take up a collection to help defray the expenses on a new carpet. All those wishing to do anything on the carpet will please come forward and get a piece of paper.

IIT

Maureen: You have to hand it to Krone.

Sally: Why?

Maureen: He is so shy.

IIT

Note to Sayer's wife:

You can easily cure a husband of snoring by good advice, cooperation, kindness and by stuffing an old sock in his mouth.

IIT

Continuation of the excerpts of allotment applications:

My husband has worked one shift for two months and now he has left me and I ain't had no pay since he's gone, or before either.

Both sides of my parents is poor and I can't expect nothing from them as my mother has been in bed for one year with the same doctor and won't change.

I have already wrote the President and I don't hear from you. I will write to Uncle Sam and tell him about you both.

Please find out for certain if my husband is dead, as the man I am living with now won't eat or do anything till he nose for sure.

Since you have changed my little boy to a girl, does this make any difference?

IIT

Ode To An Electrical:

Gaus but I'm glad I'm no Electrical. It would Erg me to Hystereses. This Current craze is shocking. Why anyone know it's powerful enough to Kill-owatt.

IIT

Mary: I had a date with a general last night.

Rosemary: Major General?

Mary: Not yet.

IIT

She was anxious to learn the latest news about her neighbor's accident, and turning toward her husband, who was immersed in the evening paper, she said:

"Henry, can you see anything in the paper about Jones running over his mother-in-law?"

"Not yet," replied Smith, "I haven't come to the sporting news."

IIT

Hard to Say

The teacher was talking about the dolphin and its habits.

"And children," she said, impressively, "just think! A single dolphin will have 2,000 baby dolphins."

"Goodness!" exclaimed the little girl at the foot of the class, "and how many do the married ones have?"

IIT

Cernauskas Say:

Some guys spend a lot of time tinkering with misses in their car (motors).

IIT

Ruth: When we get married I'm going to cook, sew, darn your socks, and have your slippers and cigar ready. What more can a man ask?

Petronis: Nothing, unless he's evil-minded.

IIT

Once there was a sailor named Practice. He met a girl named Perfect.

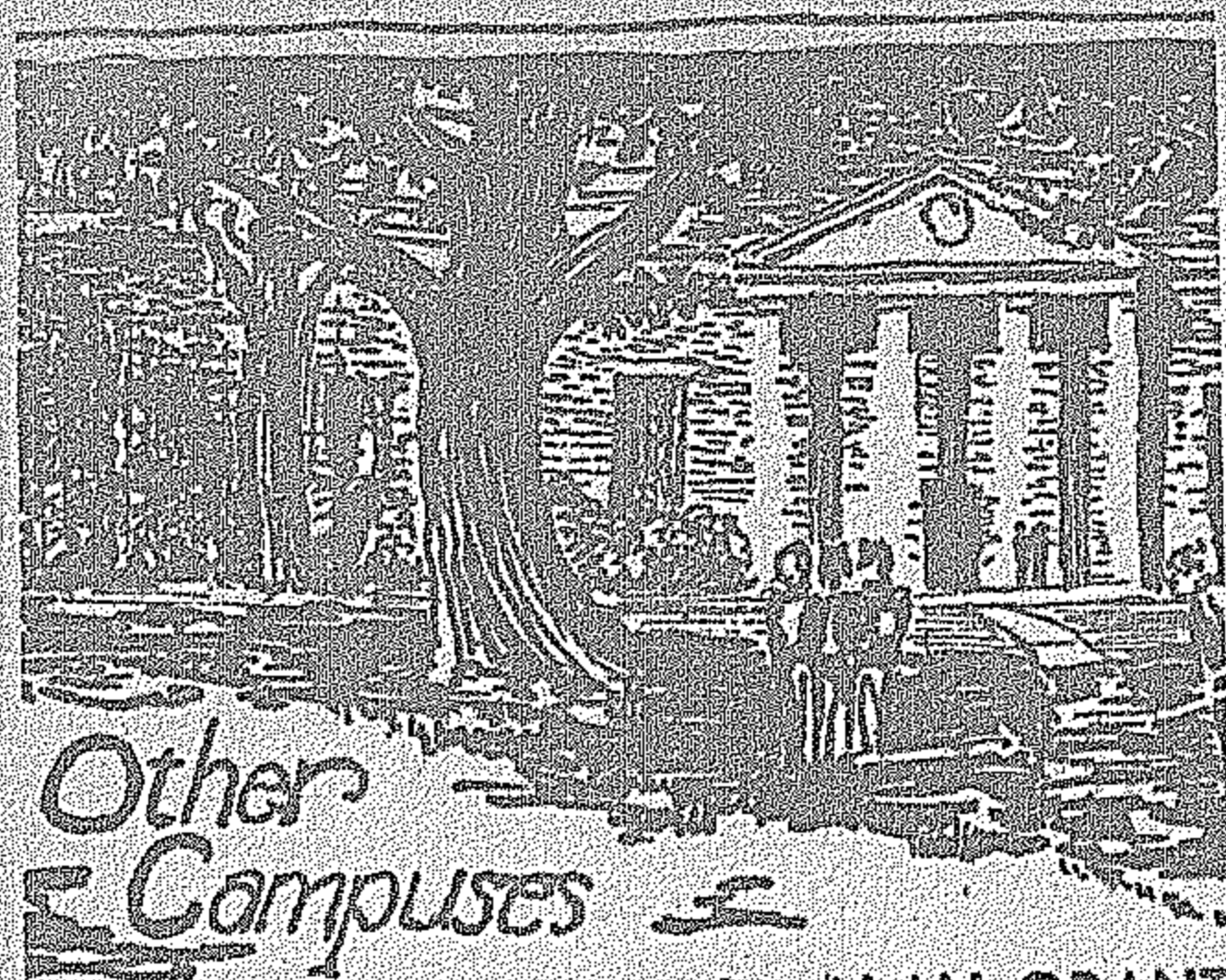
IIT

SCALE FOR SALE

Jane—What's Mabel so mad about?

Joan—Oh, she stepped on that new weighing machine that has a speaker attachment that tells your weight and immediately the voice called out: "One at a time please."

—LARRY VYTAUTAS CERNAUSKAS



by ALAN GRANT

IIT isn't the only school having controversies as to the year names of its junior and senior classes. Over at MIT this question was temporarily settled when the junior class decided to engrave '45 on its class rings. Under normal conditions they would be the class of '46.

* * *

The fast disappearing Sophomore Class of Clarkson Tech (Potsdam, New York) made the decrease in their numbers well known recently when a total of six members gathered themselves together to choose their class officers.

* * *

Through a poll conducted by their school paper, students of the University of Cincinnati expressed their disapproval of an increase in their student activities fee. Out of 230 students 211 did not approve of the raise in the activity fee.

* * *

As a fitting prelude to their "Women's Day" celebration students of the South Dakota State College have presented four one-act plays with the casts composed entirely of women. Thirteen co-eds took dramatic roles in the plays, aided by a stage crew of 35 gals.

* * *

The University of South Carolina recently announced that the Navy was discontinuing its V-5 (Naval Flight School) program. The student paper also announced that a recent conference of representatives of V-12 colleges held in New York brought the Navy's assurance that the V-12 will continue as long as the Navy needs additional young officers to fight the war. Rear Admiral Randall Jacobs, chief of Navy Personnel, stated that there will be an overall decrease in the V-12 units of approximately 25 per cent as of November 1, 1944.

* * *

Another campus for many Illinois Tech men, including yours truly, will be the Navy Radio Technician Schools. According to a chief Petty Officer at the induction center, about 150 IIT men have taken the Eddy test and only two or three have failed it. Radio Technician training is about the only thing in a technical line being offered to students entering the Services at this time.



LEONARD KLARICH, senior architecture major, lived for 13 years at 32nd and Princeton and never knew that Armour Tech was a school. He thought it was a factory... A junior mechanical, ELIAS HAIN, makes precise optical instruments as a hobby... Before JERRY SCHNEIDER came to IIT he was an expert sewing machine repairman... ARTHUR GILMER, freshman chemical, was in the navy submarine service for 5 years. He was discharged because of shrapnel wounds in his chest... The youngest senior at IIT is BURTON FRIED, who will not be nineteen until next December... SID BAKER drove a taxi in Canada to help pay his way through college there... BENJAMIN FREUD, chairman of the chemistry department, once taught chemical engineering, while HARRY McCORMACK, director of the chemical engineering curriculum, at one time was an instructor in chemistry... PAUL FLOOD'S two eyes are different colors. One is hazel while the other is blue. JOHN HOMMES and FRANCIS SANDELS, graduates of the class of '29 in Armour in fine protection engineering, are now teaching in that department at Illinois Tech...

Illinois Tech Tennis Team Whips George Williams 7-0

Winning their third match of the season, the Illinois Tech tennis team decisively defeated George Williams 7 to 0. In this, their fifth engagement in the local competition, a clean sweep was made of both the singles and doubles matches.

The individual sets went as follows:

Singles	George Williams	Sets
IIT	Radek defeated Park	6-1, 6-2
	White defeated Crosby	6-1, 6-3
	Vogt defeated Wei	6-0, 6-2
	Leydig defeated Hedstrand	6-2, 6-4
	Lynch defeated Harmon	6-0, 6-3
Doubles		
	Vogt, Leydig defeated Crosby, Hedstrand	6-2, 6-2
	Radek, White defeated Park, Wei	6-2, 6-0
	Another match with George Williams will be played in the near future announced manager—player A/S Warren White.	

V-12 Track Won By Quarters 2

Amassing more than a third of the total number of points possible, Quarters #2 won the Navy Inter-quarters Track meet with a total of 38.5 points. Second to them was Quarters #6 with 15.5 points and thirdly Quarters #7 with 14 points. The outstanding performer of the meet was A/S Bob Hammock, who not only won the 50 and 100 yard dashes but also anchored his winning Quarters #2 relay team.

Individual results are as follows:
50 Yard Dash — Time 5.1
Hammock #2; Thomas #2; Burns #1; Petrillo #6.
100 Yard Dash — Time 10:5
Hammock #2; Thomas #2; Stoklosa #6; Danielson #6.
220 Yard Dash
Stenson #7; Waite #2; Kilgariff #7; Beam #6.
880 Yard Dash — Time 2:14.2
Slaughter #2; Boston #6; Martin #2; Fischer #5.
Broad Jump — Distance 19'10"
Neiswander #7; Ray #2; Capron #4; Danielson #6.
High Jump — Height 5'7"
Maciejewski #1; Lux #2; Gavin #6; White #2.
Shot Put
Pottenger #4; Sutherin #4; Stenson #7; Bojanowski #6.
880 Yard Relay
Quarters 2; Quarters 6; Quarters 3; Quarters 4.
Scoring for the first four places was 5, 3, 2, and 1.

IIT Baseball Team Loses Last 2 Games of Term

Playing their last two games of the season, the Techawk baseball team dropped both of them, one to Joliet Pen 9 to 5 and the other to the 87th Street Marines, 6 to 5.

Joliet State Prison Hands Baseball Team 9 to 5 Defeat

Traveling down to Joliet Prison, the Techawks lost to the inmates 9 to 5 Sunday, June 4. A/S Bob Steward gave up 13 hits which Tech was collecting 12 safeties.

Deciding factor in the loss was nine Tech errors. Several misjudged fly balls also figure in the defeat.

Too Many Errors

IIT	ab	r	h	Joliet Pen	ab	r	h
Clemens,ss	5	1	4	Scarlot,lf	5	0	0
Fleischer,3b	2	0	0	Robinson,3b	4	2	1
Holstrom,3b	2	0	0	Musica,cf	5	2	2
Burns,2b	4	2	1	Edwards,p	5	0	1
Oldshue,lf	3	0	3	Davis,ss	5	1	3
Schimmelpfenig,lf	2	0	0	Waggoner,rf	5	1	2
Furst,lf	5	0	1	Robertson,c	5	2	1
Lichtman,1b	1	0	0	Nelson,1b	4	1	2
Slazinski,1b	1	0	0	Platt,2b	4	0	1
Krause,rf	2	0	0				
Maciejewski,rf	1	0	0				
O'Geary,c	4	1	1				
Steward,p	3	0	1				
Kravolec,p	1	0	0				
Puchalski,p	1	0	0				
Totals	37	5	11	Totals	42	9	13
Joliet Pen	205	020	00*	9	13	3	
IIT	100	020	002	5	13	9	

Seniors Shut Out Navy Team, 5 to 0

Led by the six hit pitching of Ogden Clemens, the Senior aggregation defeated the Navy V-12 Unit team 5 to 0 and so became the school's 16 inch softball champions.

The bulk of the runs came in the last half of the second inning when four seniors made a circuit of the bases. After this initial splurge the game developed into a pitchers duel.

Another tally was made by the seniors in the last half of the fifth when a lone senior crossed the home plate.

Tech Nosed Out In Last Inning By 87th Street Marines, 6 to 5

After leading all the way and ahead 5 to 4 in the last inning, the Techawks allowed the 87th Street Marine team to score twice in that frame and lost 6 to 5. The seven-inning, twilight game was played last Wednesday at Tuley Park.

IIT got four runs in the second inning on four straight hits by A/S Warren Furst, A/S Ted Maciejewski, A/S Dick Holstrom and A/S Bob Lichtmen.

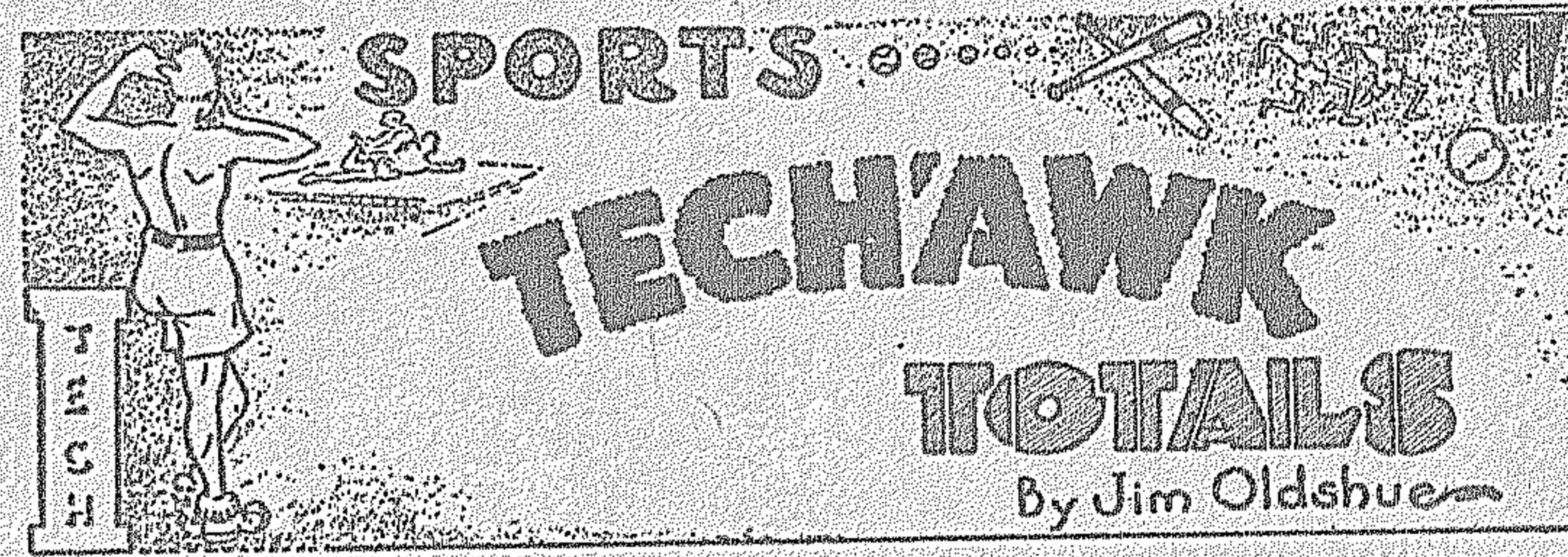
The Marines came back with two (See TECH on Page 5)

Softball Finals To Begin Today

The intramural softball tourney officially closed last week and the four teams with the highest percentages will play off this week. These teams are the Junior Mechs, Senior Chems, Frosh Mechs and Junior Chems.

Only three games were played last week, due to forfeits and unfavorable weather. The Junior Mechs beat the Senior Mechs 11 to 5, and then trounced the Senior Juicers 7 to 2. The Senior Juicers walloped the Junior Chems 30 to 7 in a wild battle.

Softball Schedule:
Monday, 5:30 p.m.
Junior Mechs vs. Fr. Flashes
Monday, 5:30 p.m.
Senior Chems vs. Jr. Chems
Tuesday, 5:30 p.m.
Winners and losers play off.



In these two past semesters, there has been a whirlwind of activity on the sports front, both intramural and varsity. Most of the varsity teams have turned in better than average records and the intramural tourneys have been very hotly contested. Perhaps the most outstanding record of all was the record of 15 straight wins turned in by the basketballers under Coach Ed Wagner. Wrestlers did well too, their beating Wheaton for the first time in eight years being one of their accomplishments.

During this spring, the baseball team had only an average season which could have turned out much better with a few good breaks. The track team showed lots of punch by taking a few points in the Central Collegiate Conference track meet, the first time any Illinois Tech team had ever scored in a big meet. The tennis team also went on without a coach to win three of out of five so far.

Thus, as I look back over two semesters, the sports scene is crowded with activity. But looking forward, no one can tell what will happen to Tech sports. The new sports editor for next semester has not been chosen as yet since the future is so uncertain for Tech News. Most of the sports staff is in the service now or will be soon and the personnel of the V-12 unit is rather uncertain. The new members of the managing board already chosen will see what the situation is at the start of next semester and make their choice then.

One thing is certain. Civilian sports as were known in the past will practically disappear. Even though the ITSA will continue to back the varsity sports program, the participants will have to be almost entirely navy men. This presents two problems in the running of such teams. First, navy men are not excused from classes to play in games, so there is only a limited number of days and times in which games can be scheduled. Secondly, any slight deficiency in a navy man's studies or any minor infraction and he is ineligible to play. This was practically no problem at all with civilians. players since only major deficiencies were cause for ineligibility.

It looks as though the efficient, organized intramural setup will be forced back to inactivity, since the main participants and organizers of the recent tourneys were civilians. Since the navy has its own intramurals, the loss of the school tourneys will not be serious. But the few civilians remaining will be hard pressed to find any type of sports activity in which to participate.

Joliet pen and the 87th Marines proved to be too much for the baseball team and they dropped those two games to bring their record down considerably. At Joliet, unusual outfield conditions played a big role in the defeat. Then against the Marines, the squad had only 10 or 11 players available, the others being restricted. Even so, they almost won.

The best record this spring belongs to the Tennis Team. They have a .600 average at this time, against the .500 baseball record and one win in two meets for the trackers. But the track team really deserves credit for taking a tenth place in the C.C.C. against the best competition in the country.

As I close my period as sports editor, I would like to express my sincere thanks for the good work done by the other members of the staff, Bob Negele, Tom Kilgariff, Jake Dumelle and George Sayer, and to Ted Anderson for his contributions. Also, I would like to thank the intramural managers for the past two semesters, Cliff Oliver, Henry Dirksen, and Ted Anderson for their cooperation in getting that phase of the news. Also, "Sonny" Weissman was a big help in covering the sports happenings on the campus. Thanks again for all the help. I wish the next sports editor, whoever he may be, all the success possible.

Baseball Team Finishes With 4 Wins, 4 Losses

20 Letters Awarded to Squad Members; Clemens Leads Hitters with .428 Average

7B Team Leads Navy Softball

With six games remaining to be played in the Navy 12-inch softball tourney this semester, 7B remains the only team boasting an unbeaten record.

This title was the spoils of the 7B versus 2B game, as each team began play undefeated. With excellent team backing, pitcher Len Slazinski of 7B was able to offset the usual superb pitching of Freddy of 2B, and gain a 2 to 1 victory.

Previously in the season Randall pitched a no hit game against 2A and in so doing established himself as the outstanding pitcher of the tourney.

The standings of the teams are as follows:

Team	Win	Lose
7B	4	0
7A	3	1
2B	3	1
4A	3	1
4B	3	1
2D	2	1
6A	2	1
1A	2	2
1B	2	2
5A	2	2
6C	2	2
2C	1	2
3B	1	2
2A	1	3
5B	1	3
3A	0	3
2E	0	4
6B	0	4

A triple play, the only one recorded in the tournament as yet, is another achievement of the league leading, 7B team. It came at a much needed time during their game with 5A. With bases loaded, no outs, and winning by one run, a ball hit to the infield resulted in the culmination of the inning.

The final games of the semester are:

Monday, June 12—	6A vs 2C	3A vs 2D	3B vs 4A
Thursday, June 15—	1A vs 1B	2B vs 2C	2D vs 2E

Play in the tourney will be resumed next semester.

Techawk Baseball Record - 1944

IIT	7	U of C	7
IIT	12	George Williams	6
IIT	6	Concordia	11
IIT	2	N. U. Navy	9
IIT	5	87th Navy	2
IIT	4	George Williams	0
IIT	19	U of C Navy	5
IIT	5	Joliet Pen	9
IIT	5	87th Marines	6
Won—4; Lost—4; Tied—1			
Season Average—500			

Illinois Tech closed its 1944 baseball season with a .500 average, four wins, four losses and one tie. Coach Bernard "Sonny" Weissman recommended to ITSA the awarding of 14 major letters and 6 minor letters to members of the squad.

A/S Bob Steward was the winning pitcher in all four Tech wins. He was the loser in two of Tech's four losses and had one tie against the University of Chicago.

Leading the regular Techawk batters is Auggie Clemens, shortstop, who has 12 hits in 28 trips to the plate for an average of .428. He also has the highest total of hits for the season. Clemens's four hits out of five against Joliet Pen pulled him over the .400 mark.

Although being out for most of the season, A/S Roy Schimmelpfenig ended up with a .417 average to trail Clemens. Separated by only a point, Jim Oldshue with .345 and A/S Bill Burns with .344 are third and fourth.

The entire team averaged .279, which is comparatively high for hardball teams. Burns had the most extra base hits, one homer, one triple, and three doubles.

The letter awards announced by Weissman are:

Major Letters:
Ogden Clemens, A/S Bill Burns, Gordon Fleischer; A/S Dick Holstrom; Jim Oldshue; A/S Dennis O'Geary, A/S Warren Furst; Vince Bicicchi; A/S Bob Steward; Ernie Krause; A/S Roy Schimmelpfenig; A/S Bob Lichtman, Ed Puchalski; A/S Herb Miller, Mgr.

Minor Letters:
A/S Len Salzinski; John Hiramoto; A/S Julian Fanselow; A/S Ted Maciejewski; A/S George Kravolec; A/S Carl Sielaff.

One of the highlights of the season was a 4 to 0 shut out over George Williams. IIT also beat GW 12 to 6 in their first meeting.

7 Riflemen to Complete NRA Course This Week

Seven IIT riflemen will finish their National Rifle Association basic instruction course this week.

Those who will receive certificates from the NRA upon completion of the six weeks course are: George Knaepple, A/S Richard Lander, Paul Matushak, Richard McGuire, Allan Simon, Joseph Spiegel, Michael Wirth, and George Rapp.

The course, which is approved by the army, has been instructed by Charles E. Martin of the ME department. Ratings of basic rifleman third, second and first class for scores of 200-219, 220-244, and 245-250, respectively, out of a possible 250, will be awarded depending upon final scores, which will be determined this week.

TECHAWK BATTING AVERAGES - 1944

	ab	h	r	2b	3b	hr	ave
Kravolec	2	1	1	0	1	0	.500
Lichtman	9	4	2	2	0	0	.444
Clemens	28	12	8	1	0	0	.428
Schimmelpfenig	12	5	2	1	0	0	.417
Hiramoto	5	2	2	1	0	0	.400
Oldshue	29	10	4	1	0	0	.345
Burns	32	11	11	3	1	1	.344
Maciejewski	6	2	1	1	1	0	.333
Furst (Capt.)	36	11	6	2	0	0	.306
Krause	18	5	2	0	0	0	.278
Puchalski	4	1	1	0	0	0	.250
O'Geary	24	5	6	0	0	0	.208
Bicicchi	20	4	3	0	0	0	.200
Holstrom	16	3	3	0	1	0	.187
Slazinski	11	2	4	0	0	0	.182
Steward	23	4	5	1	0	0	.174
Fleischer	26	3	3	0	1	0	.115
Fanselow	2	0	0	0	0	0	.000
Mieczkowski	1	0	1	0	0	0	.000
Sielaff	1	0	0	0	0	0	.000
Team Total	305	85	65	18	5	1	.270

IGT Appoints New Director

Leon J. Willien has recently been appointed Associate Director of the Institute of Gas Technology, revealed Dr. J. I. Yellott today. Formerly Willien was chief gas engineer of the Public Utility and Service Corporation of Chicago.

Willien hails from Terre Haute, Indiana. He was educated entirely in his home town receiving his Bachelor of Science degree from Rose Polytechnic Institute of Terre Haute in 1906, his master of Science degree in 1908, and his Chemical Engineering Degree in 1910.

Willien is the inventor of the Willien-Stein process for the manufacture of Low Gravity Gas and has published numerous articles dealing with water gas manufacture. He holds a membership in the American Gas Association, the Midwest Gas Association and the Western Society of Engineers.

Willien is also the recipient of numerous honors and awards, among them being the Charles A. Munroe Award which he received in 1936 from the American Gas Association for the most outstanding contribution of an individual to the advancement of gas industry.

Strain Gauge Added to Laboratory Equipment

The materials testing laboratory has a new piece of equipment called the strain gauge. It consists essentially of a wheatstone bridge which is wired to the specific beam to be tested for tension or compression.

This machine has been used to measure boiler tests and other types of equipment for strain. According to the plan of the laboratory, the student is permitted to make actual physical tests of different materials with the instrument.

TECH

(Continued from Page 4)
runs in the second and one in fourth and fifth innings to tie it up. In the first half of the seventh, Tech scored again to go into the lead 5 to 4.

Then in the fateful last half, the first Marine led off with a single. Another single, followed by an over-throw allowed one runner to score and put the other one on third. Then on a slow grounder to second, the runner sprinted home with the winning run.

Tough Situation

	ab	r	h	87th Marines	ab	r	h
Krause,rf	4	0	2		4	0	0
Fleischer,3b	4	0	0	Dagle,cf	4	0	0
Clemens,ss	3	0	1	Hunt,1b	3	0	1
Oldshue,1b	3	0	1	Kolpen,ss	4	0	0
Furst,cf	3	1	1	Sophia,3b	3	1	0
Maciejewski,1	3	1	1	Redford,c	3	2	1
Holstrom,2b	3	1	1	Schroeder,rf	4	1	1
Lichtman,c	2	1	1	Benes,lf	3	2	2
Siela,c	1	0	0	Hubble,2b	2	0	1
Puchalski,p	2	0	1	Messica,p	2	0	1
Kravolec,p	1	1	1				
Totals	29	5	10	Totals	28	6	7

	r	h	e
IIT	040	000	1-5 10 2
Marines	020	110	2-6 7 0

CO-OP

(Continued from Page 1)
catch-as-catch-can basis, tucked away in a remote corner of a building used for educational purposes.

Although he is in favor of the Co-op store, it must be put on a firm basis, independent of the Institute. It should run as a regular business, with salaried help, regular hours, and the permanency and continuity usually associated with a business enterprise, he stated; it should be able to stand on its own feet.

Admitting that any plans of this variety must be on a long-term basis, he said that the students in charge of the Co-op should begin making such plans at this time. If they start working now on a long-term plan of this sort, the Institute will cooperate to the extent of allowing them to rent space at the school for a reasonable period of time, he stated. This would indicate that the present agreement will be extended, if the leaders of the Co-op work out plans for the future.

Seniors Grade IIT Faculty Favorably

Approximately 75 per cent of the remarks passed by the graduating seniors on the faculty were favorable. This was learned today after Dean J. C. Peebles was presented the completely compiled senior questionnaires for the first time since he has been dean.

"Very few disagreeable comments were found in the questionnaires" said Sid Baker, chairman of the senior questionnaire committee. Here are some examples of the senior remarks:

"Very fine fellow. Should talk louder in class because he is interesting."

"Terrible attitude. Unfair and likes to take advantage of his position. Must be hen-picked at home."

"Knows his stuff. Talks like a mad man. Very unfair grades. Expects everyone to read till blue in the face."

"Excellent teacher who is an inspiration and example to his students. Shows real interest in them."

"Good teacher, class attitude excellent, ability likewise, fairness good."

"Best prof I ever had."

"Best man IIT ever had."

"A swell human being."

"Too Dogmatic."

"What is he doing in an engineering college?"

"Nice, but how dry."

After the name of many instructors appeared "good teacher" and other similar remarks.

The seniors who work to obtain these results and those which were released in Technology News last week are Hans Nord, Edward Leonard, Al Petronis, Paul J. King, Norman Friedman and Sid Baker.

Any professor who wishes to obtain any comments passed on himself should contact Sid Baker before Thursday, the latter added.

EDITORS

(Continued from Page 1)
coming term. So far, Herman has gone through college on a William J. Cook scholarship, which he received as a freshman.

The career which Bob Misch has followed at IIT is closely paralleled to Herman's. He, too, has run the gamut from reporter, through copy, rewrite and headline editor, to assignment editor, a post which he has held this semester. He succeeds Nelson as business manager.

Bob, a junior chemistry major, is a member of Alpha Chi Sigma, professional chemical society. He has recently been elected to the presidency of Pi Delta Epsilon.

The two co-editors will serve in place of the usual combination of editor and managing editor. This is not the first time that such an arrangement has been used on Technology News, since Jim Landrith and "Bud" Parker worked together as co-editors on the paper in 1937.

Of the present managing board, Editor Harry Burkart and Managing Editor Burt Fried will enter the navy at the end of this term; Feature Editor Sid Baker will graduate; and Sports Editor James Oldshue will enter the army. With the exception of Baker, these men have been members of the managing board for two semesters.

SCHEDULE

(Continued from Page 1)
from 12:30 to 1:30 p.m.

For the convenience of students during the summer, all lecture classes will be over by 2 p.m. Labs will be the only classes held after that hour.

Inauguration of the 8:30 a.m. class last July was for the convenience of the ASTP, but since the discontinuance of this program at IIT, it is no longer necessary to continue on the schedule.

Cancel Station Wagon Service

The station wagon service has been discontinued until further notice. This fact was released by the maintenance department. The reason given for the change that the need for the wagon was so small that it did not pay to run it.

The station wagon used to carry mail between Lewis, George Williams, Cicero, and Armour campus. In addition to this it carried passengers who had classes on two campuses.

88 IIT Alumni Have Relatives At Illinois Tech

Eighty-eight alumni of Illinois Tech are relatives of students now attending IIT, according to News Bureau records.

Of these alumni, 34% are brothers of present students, 22% are cousins, and 15% are fathers. The relatives also include 8 uncles, 2 aunts, 2 mothers, and 4 sisters.

Eighty-nine percent of the alumni are relatives of civilians, while only 11% are relatives of V-12 men.

CRUISER

(Continued from Page 1)

channel weather existed after the Americans left, which would have enabled the Japs to land if they so desired.

All scientific instruments were removed from the 75,000 pound craft but the four 1500 pound tires and two spares might prove of value to the Nippons.

The five passenger Beechcraft plane which travelled on the cruiser's roof was taken back to the United States and later sold to the British.

"The cruiser in operation proved more successful than we had a right to expect," said Poulter. "Since it had no gearshift, all speeds were controlled by motors. It was found that the speeds necessary to keep the motors cool were slightly in excess of what we desired. Only one change will be made when we go back and that will be in the gear ratio," concluded Poulter.

The craft stands 15 feet tall, is 55 feet long and 20 feet wide. It resembles closely an overland bus in appearance. Space is provided within for four men together with a years provisions.

Engineer and Alumnus Completes 35th Year of Publications; Started in 1909

The Illinois Tech Engineer and Alumnus has completed its 35th year of publication. It started out as the Armour Engineer, which was its title for 25th years. The first edition was published in January, 1909. 700 copies were printed and sold for 50 cents apiece. Until 1913 it became a quarterly.

Strong Tests Are An Aid to Draftees

Students who have taken the Strong Vocational Interest Test should bring a copy of it with them when they are inducted into the Armed Forces, Dr. William Krathwohl, director of the Educational Testing Office advised today.

Dr. Krathwohl added that this test is the one which indicates whether a person possesses the characteristic interests of individuals who are successful in various occupations. He said that if the results of the test do not agree with the work the student would like, he should leave the report at home.

Any student desiring a copy of this report should bring the original to the Educational Testing Office and a copy will be made without charge.

Vagtborg to Speak To Chemical Group

The June meeting of the Chicago section of the American Chemical Society will be held at 7:30 p.m. Thursday in the grand ballroom of the Medinah Club.

The recently organized IIT student chapter of the ACS will meet at the Medinah Club Thursday after the meeting of the Chicago section. Dr. Bruce Longtin, instructor in chemistry, sponsors the student chapter.

On the agenda of the Chicago meeting are scheduled two scientific reports. Harold Vagtborg, director of the Armour Research Foundation, will speak on "The Organization and Chartering of Research." Dr. E. C. Lathrop will present a report from the Northern Regional Laboratory. There will also be a demonstration of the wire sound recorder developed by the Armour Research Foundation.

Math Club Hears Slager At Wednesday Meeting

Pascal's Theorem and its applications were discussed by Don Slager, sophomore physics major, at the meeting of the Mathematics Club last Wednesday.

This was the last meeting of the term according to Harley Flanders, secretary of the organization.

FINAL EXAMINATIONS Third Term 1943-44

Wednesday, June 21, 1944

Time	Room
8:30 a.m. to 10:20 a.m.	
Mechanism, ME 201.....	500 Main
Machine Design, ME 202.....	502 Main
A.C. Machinery EE 407.....	202 Main
Water Supply Eng., CE 405.....	202 Chapin
Drawing and Est., CE 201.....	205 Chapin
Chemical Eng. Lect., ChE 401.....	305 Main
Bus. Org. and Control, IE 241.....	208 Chapin

Time	Room
10:30 a.m. to 12:20 p.m.	
Calculus, Math. 201 *A-Q.....	305 Main
Calculus, Math. 201 *R-Z.....	502 Main
Calculus, Math. 202.....	500 Main
Process Metallurgy, ChE 419.....	202 Main

Time	Room
1:30 p.m. to 3:20 p.m.	
General Physics, Phys. 101.....	305 Main
General Physics, Phys. 102.....	500 Main
General Physics, Phys. 203.....	500 Main
Advanced Circuit Theory, EE 403.....	502 Main
Naval Machinery, ME 443.....	200 MH
Masonry and Foundations, CE 403.....	202 Chapin
Chemical Eng., ChE 301.....	202 Main

Time	Room
3:30 p.m. to 5:20 p.m.	
Mechanics of Materials, Mech. 301.....	500 Main
Applied Mechanics, Mech. 204.....	500 Main
Strength of Materials, Mech. 208.....	500 Main
Fund. of English, English 101.....	305 Main
Composition, English 102.....	502 Main
Advanced Mach. Design, ME 430.....	202 Main

Thursday, June 22, 1944

Time	Room
8:30 a.m. to 10:20 a.m.	
Review Algebra, Math. 100A.....	305 Main
College Algebra and Trig., Math. 100B.....	305 Main
College Algebra and Trig., Math. 101.....	305 Main
Anal. Geometry and Trig., Math. 102.....	305 Main

Time	Room
10:30 a.m. to 12:20 p.m.	
Anal. Geometry, Math. 113.....	305 Main
Engineering Analysis, EE 303, 304.....	202 Main
Structural Engineering, CE 312.....	502 Main
Engineering Chemistry, ChE 307, 202 Chapin	
Stress Analysis, CE 429.....	205 Chapin

Time	Room
12:30 p.m. to 2:20 p.m.	
Electricity and Magnetism, EE 1 (205).....	305 Main
Elem. of Elect. Eng., EE 206.....	202 Main
Bridge and Struct. Design, CE 408.....	202 Chapin
Physical Metallurgy, ChE 421.....	502 Main
Thermodynamics, ME 305, 306.....	500 Main
Surveying, CE 202, 201.....	205 Chapin

Time	Room
2:30 p.m. to 4:20 p.m.	
Statics, Mech. 201.....	500 Main
Fluid Mechanics, Mech. 302.....	500 Main
Organic Chemistry, Chem. 204, 205, 305 Main	
Prod. Methods Lect., ME 419.....	502 Main
Industrial Electronics, EE 427.....	202 Chapin

Time	Room
4:30 p.m. to 6:20 p.m.	
Engineering Electronics EE 310.....	202 Chapin
Elem. German, Ger. 101.....	500 Main
Elem. German, Ger. 102.....	500 Main
Scientific German, Ger. 211.....	500 Main
Cast Metals, ME 318.....	502 Main
Stresses in Framed Struct., CE 303.....	305 Main

Time	Room
6:30 a.m. to 10:30 a.m.	
A.C. Theory, EE 306, 307.....	202 Main
General Chemistry, Chem. 1a.....	500 Main
General Chemistry, Chem. 101.....	500 Main
Quantitative Chemistry, Chem. 201.....	502 Main
Heat Power ME 401, 402.....	305 Main
Astronomy, CE 421.....	202 Chapin

Time	Room
10:30 a.m. to 12:20 p.m.	
Study Technique, Psy. 101.....	502 Main
Naval Hist. and Elem. Strat., H3.....	500 Main
Radio Engineering, EE 418.....	203 Main
Chem. Thermodynamics, ChE 308.....	202 Chapin
Airplane Stress Analysis, CE 431.....	305 Main

Time	Room
1:30 p.m. to 3:20 p.m.	
Kinetics, Mech. 202.....	500 Main
Flow of Fluids, Mech. 303.....	500 Main
Adv. Mech. of Materials, Mech. 403.....	500 Main
Naval Organization, NO 101.....	202 Main

Time	Room
3:30 p.m. to 5:20 p.m.	
General Psychology, PS 1.....	502 Main
Electricity, EE 414.....	500 Main
Micro-Wave Tech. EE 423.....	202 Chapin
Surveying, CE 417.....	202 Main

Saturday, June 24, 1944

Time	Room
8:30 a.m. to 10:30 a.m.	
Physical Chemistry, Chem. 308.....	305 Main
Heat Laboratory, ME 309, 407.....	500 Main
Hist. Background of Pres. World War, H 1 and 2.....	500 Main
Machine Tools, ME 319.....	305 Main

Time	Room
1:30 p.m. to 3:20 p.m.	
Thermodynamics, ME 316, ME 411.....	500 Main
Heat Exchange, ME 422.....	502 Main
Economics, IE 101 (BA 1).....	202 Main

Time	Room
3:30 p.m. to 5:20 p.m.	
Metal Process Lect., ME 418.....	500 Main
Economics, IE 102 (BA 2).....	202 Main

*Refers to members of class whose names begin with these letters.

PLEASE REPORT ALL CONFLICTS TO THE REGISTRAR'S OFFICE IMMEDIATELY.

Top-Ranking Mexican Physicists Will Do Research Work at ARF

Top-ranking physicists, now studying at the National University of Mexico, will enter IIT next year as a result of the recent trip to Mexico by Harold Vagtborg, Armour Research Foundation director.

ARF Staff to Hold Third Fishing Trip

The third annual summer planning conference of the Armour Research Foundation will begin on Sunday, June 25, stated Harold Vagtborg, director.

Thirteen men will travel to the northern Wisconsin location for a week of fishing and conferences. The general plan will remain as it was in the past, with fishing in the morning and afternoon and conferences during the hotter muddy hours.

"These summer 'escape' conferences have proven to be of such tremendous benefit that several corporations have followed our example in instituting them for staff heads," said Vagtborg.

3 to Represent IIT At SPEE Conference

Dean Linton E. Grinter, Professor William W. Colvert, and Professor Henry C. Spencer are all scheduled to attend the annual meeting of the Society for Promotion of Engineering Education to be held in Cincinnati from June 22 to 25th.

Dean Grinter, vice-president of IIT, will be chairman of the conference on "Graduate Study." Professor Colvert will speak to one conference on "Educational Experiences From the ASTP Program." Professor Spencer will serve on a conference committee for constructing standard drawing tests to be used nationally in drafting classes.

The University of Cincinnati will be host to the conference; a total 33 different sessions on education study will be held there.

Dr. William Lewis Joins Illinois Tech EE Staff

Dr. William A. Lewis joined the Illinois Tech electrical engineering department staff last month as a research professor.

Dr. Lewis was the director of the electrical engineering school at Cornell University for five years, before which he served as central station engineer at Westinghouse.

Having appeared in Who's Who and with many articles about him in engineering publications, Dr. Lewis has become famous in his profession. He will teach at Armour and will work at the Research Foundation.

Vagtborg, in conjunction with Prof. Sandova Vallata, a visiting professor to Massachusetts Institute of Technology from the Mexican institution, has completed a plan whereby about three of the best qualified men, to be selected by Vallata, will come to the United States upon the completion of their term in December. They will work on research problems at the Foundation and study for advanced degrees at IIT.

Another highlight of the two-week visit which Vagtborg and Maurice Holland, ARF industrial adviser, just completed, was the discovery that Mexico is not the sun-baked desert it appears to be at the Rio Grande border.

"Most of Mexico is plateau country, varying from 2500 to 7500 feet above sea level. In Mexico City, the lowest temperature last winter was 28 degrees Fahrenheit while it never got hotter than 85 degrees.

"However, the fact that Mexico lies near the equator means that people there can grow tropical fruits at the lower elevations. Where irrigation is possible, two crops a year can be raised," said Vagtborg.

On the economic side, Vagtborg found that Mexico offers the prospective investor a better investment for two reasons. First, the fact that a manufacturer can bring in all of his technical advantages to use with a low cost labor supply is a great incentive. Second, the Mexican government wants to industrialize the country to raise the standard of living. To encourage this they have passed laws exempting new industries from all taxes, including income and real estate taxes.

After trying for a year to buy an alarm clock in the United States, Vagtborg found an ample supply of them in Mexico along with radios, record changers, and most of the goods rationed here. There are no priorities or rationing in Mexico.

District Medical Officer Inspects IIT Navy V-12 Unit

The Illinois Tech campus was graced by the presence of a high-ranking naval officer when Capt. C. B. Camerer, district medical officer, conducted a medical inspection of the V-12 unit last Friday.

This was part of a regular inspection program conducted by the navy department. Camerer was accompanied by Chief Warrant Officer Oscar Johnson.

ITSA Minutes

The meeting was called to order at 4:55 p.m. Members present were Lind, Heald, Spaeth, Tibbals, Hedeon, Sievers, Michalek, Mattern, Snyder, and Kilgariff. Two students were also present.

The committee for the perpetuation of student government presented its report. In brief, it was decided to leave things as they are, with no change in the status of the reserve.

An election committee of Sievers, Hedeon, and Kilgariff was appointed by President Lind to run-off the elections next semester of the freshman and sophomore commissioners and any other positions which have been vacated.

Michalek moved, Snyder seconded that the next meeting take place on Wednesday, July 12, at 4:30 p.m. Motion passed.

President Lind appointed a new Constitutional Committee composed of Snyder, Ray Olson, Sievers, Hedeon and Kilgariff.

Sievers moved, Hedeon seconded, that subject to the approval of the Faculty Committee, Kiva be appropriated \$50.00. Motion passed. Meeting adjourned 5:20 p.m.

Respectfully submitted,
Tom Kilgariff.

Reed Develops Node Analysis

A new method of circuit analysis has been described by Dr. Myril B. Reed, professor of electrical engineering, in a paper written for the journal of the Institute of Radio Engineers.

The methods in general use today for finding voltage and current in complex circuits are far too cumbersome to be very useful in many cases.

The use of node equations, as developed by Reed, greatly simplifies the solution of these equations. The node method has been known for some time, but until now preliminary equations had to be developed, which made the method impractical. In some work, even when the ultra-modern calculating board is used in solving networks, the node method is faster.

Reed's paper explains the application of his method to various types of circuits. He has been teaching the system to his EE 306 classes.

Taylor Gets Post in National Alumni Council

Bernard P. Taylor assistant to the president has been re-elected to the position of director in the National Alumni Council. This council includes officers from all alumni associations throughout the country, its purpose being to keep college alumni active.

Mr. Taylor's duty is to plan next year's convention; it is definite that this will be held in Chicago sometime in July.

NOTICE

This is the last issue of *Technology News* for the present semester. The first issue of the coming semester will appear on July 17.

Mass Production of ARF Wire Recorder Will Cease Soon

Mass production of the wire recorder by the Armour Research Foundation will cease shortly, announced Dr. Francis W. Godwin, assistant director.

"The foundation is a research institution and cannot devote its time and equipment for production purposes which could be done just as well elsewhere," emphasized Godwin. "Because of the great military need for recorders the Foundation agreed to produce them until manufactures could tool up for mass production. Already over 700 recorders have been built by us."

Last week the ARF transferred its recorder production facilities to the Adlake Building at 321 W. Ohio St. There, the Foundation will complete its contracted output, working in conjunction with Utah Radio Products Corporation, the new recorder producer. In this way, the production techniques learned by the ARF can be taught the new manufacturers with no loss in output.

The most recent military use of the recorder was in the invasion of France last Tuesday morning. The noise of the battle was recorded by a wire recorder fostered in the crow's nest of one of the attacking ships. In the evening of the same day, the sounds were broadcast over the NBC network to the United States.

Hart, '42 Graduate, Will Become Ensign

Henry Hart, instructor in electrical engineering in the Signal Corps at Lewis, leaves June 27 for the navy. He has received a commission as ensign.

Hart received a bachelor's degree in electrical engineering at Armour in 1942. Since then he has taught at Illinois Tech, first in the Signal Corps and then in the electrical department. Now he is instructing the Signal Corps woman trainees, while working for a master's degree. Hart expects to receive that degree before entering the navy.

May Issue of "Engineer And Alumnus" Is Out

The May issue of the Illinois Tech Engineer and Alumnus was distributed last week. This issue was planned by Prof. Joseph B. Finnegan. Prof. Sanford B. Meech took over temporary editorship of the magazine when Prof. Finnegan left school on a leave of absence this semester.

The next edition of the Engineer and Alumnus will come out in October, since the staff is sticking to its peacetime schedule. Prof. Finnegan will be in the position of editor again by that time.

Eta Kappa Nu Picks Centa as President

A/S Joe Centa was elected president of the IIT chapter of the Eta Kappa Nu honorary electrical engineering fraternity, last Friday.

A/S William Stuart was elected vice-president; A/S Bernard Steenson, treasurer; A/S Richard Kuba, recording secretary; A/S Ken Coon, "Bridge" (fraternity magazine) correspondent; and Russ Kasmar, corresponding secretary.

Of the six officers elected, five are navy students. Eta Kappa Nu was founded in 1904 to "bring into closer union those men who by their attainments in college or in practice have shown a deep interest and marked ability in their chosen field of electrical engineering."

Chi Epsilon to Hold Initiation Banquet

Chi Epsilon, honorary civil engineering fraternity, will hold an initiation banquet tonight at 6:30 p.m. at the Swedish Club of America, 1258 N. LaSalle St.

The pledges being initiated are Sid Baker, John Hirmoto, A/S Murray Percival and Burton Lewis.

In 1923, the first convocation of Chi Epsilon was held on the Armour campus. This chapter was the second group to join the original one which was originated at the University of Illinois by two societies of civil engineering.

The initiates tonight will be the only four active undergraduates on campus at present. They will be initiated by three civil engineering graduates who are studying for advanced degrees at IIT, and by honorary and faculty members of the organization.

The above include William Nash, John Volakakis, and Sheldon Young, President Henry T. Heald, Dean L. E. Grinter, and Professors R. L. Stevens, C. O. Harris, P. C. Huntly, J. C. Penn and J. F. Mangold.

Armour Eye to Elect New Officers Wednesday

The Armour Eye will elect officers for the coming term on Wednesday. The meeting will be held in the Armour Eye club room at 5:30 p.m.

An important matter which requires the attention of all the members has arisen, said Henry Mazurek, president, and all members should be at the meeting.

If You're Leaving School This Term

HERE'S A GOOD INVESTMENT

A 1 Year Subscription to Technology News at Our Special Bargain Rate

You may be one of the fellows who will leave IIT to go into the service during this term. If so, you'll want to keep posted on campus activities. And the best way to do this is by reading *Technology News*.

We wish we could keep sending the paper to you after this term. We can't, so we're doing the best we can.

A special bargain rate is being offered to all former IIT men in service. For \$1.00 you will receive *Technology News* for one year (three semesters). This is a 2/3 discount over the usual price of \$1.00 a term.

Subscriptions are being accepted in the *Technology News* office or in the News Bureau across the hall. Both are on the fourth floor, first entrance, Chapin.

Bring the money and either your home address or your new address, if you know it. In either case, be sure to keep us up to date if, as, and when your address is changed.

Rho Delts to Move Out of Their House

Rho Delta Rho has sold its furniture and is giving up the lease on its house, according to Leonard Eller, vice president.

This step was taken because all but two of the members are leaving IIT at the end of the term. The house was located at 3224 S. Princeton.

The president and treasurer have left for the service and their positions have been taken over by Vice-president Eller and Secretary Morris Shapiro.

The funds will be turned over to the alumni of the fraternity to be used for reorganization after the war.

Six Pledges Initiated Into Alpha Sigma Phi

Six pledges were initiated into the social fraternity Alpha Sigma Phi last Saturday.

They are Jack Smith, Donald

Thompson, A/S Robert Freund, A/S Frank Pasek, Angelo Caliendo, and Donald Haack.

Following the initiation ceremonies, a banquet was held at the Swedish Club.

Michalek Becomes Tau Delts President

A/S Dick Michalek was elected and installed as president of Delta Tau Delta last Wednesday. Other officers elected include A/S Larry Johnson, vice president; Art Strong, treasurer; A/S Herb Corten, secretary; and Jack McClow, recording secretary.

Gordon Fleischer, retiring president and only graduating senior, was given a rousing sendoff at the meeting.

Several alumni who attended added much to the liveliness of the affair, the members felt. The meeting was both a reunion and a farewell, for many of those present will be leaving soon.

Pi Kapps Initiate 3 Sailors, One Civilian

One civilian and three navy students were initiated into the Pi Kappa Phi social fraternity yesterday.

The new members are: A/S Jack Capron, A/S Walter Briesh, A/S Don Helbling, and Fred Olson.

The initiation of these members climaxed a short, but notable, "hell week." The entire chapter held a dinner in honor of the new members.

A meeting is scheduled for next Wednesday at which there will be an election of officers for the next term. Plans for a moonlight cruise on Lake Michigan will also be discussed.

Sigma Alpha Mu Initiates Three Men

Three sophomores were initiated into Sigma Alpha Mu last night. Marshal Sager, ChE; Daniel Mittman, ChE; and Sander Steinman, ME are the new members.

Fraternities and Sororities

ITSA Will Function Next Term; Reserve Funds Will Be Available

The committee considering the problem of continuing or discontinuing the ITSA for next and succeeding semesters has met twice since the May 24 ITSA meeting. Pres. Henry T. Heald, Dean Charles A. Tibbals and Sonny Weissman were present at one of the meetings. In view of the resulting discussions, the committee made the following recommendations at the meeting last Wednesday:

1. That the ITSA be continued to the fullest possible extent during the next and succeeding semesters and that it operate fully as strongly as in the past.

2. That the ITSA fund, which is now about \$9000.00, be left in its present status; i.e. no action be taken that would in any way limit the withdrawals by future ITSA boards of these funds.

This report, it will be noticed, is a complete reversal of the opinions and ideas expressed by many of the student members at the last meeting. By the way of explanation the following is the line of reasoning which brought forth the above decisions:

(1.) It is unlikely that future ITSA boards will be either so incompetent or carefree as to appropriate money from the fund indiscriminately.

(2.) The institute intends to maintain a complete educational program in spite of the war-decreased enrollment and to continue the ITSA would be in complete accord with Institute policy.

(3.) Beginning with the fall semester (Nov. 1944) the financing of school athletics, varsity and intramural musical clubs will be handled by the Institute and not the ITSA. This will decrease the budget of the ITSA extensively so that income received from the student body will be more adequate to cover ITSA needs.

(4.) In contrast to the thinking of the last meeting the purpose of the ITSA fund should be to tide the ITSA over in time of need. It is felt that with moderate withdrawals from the fund and considering the new Institute policy regarding athletics, the present ITSA fund will be adequate to cover the expenses of the ITSA during the war years and to tide it over till after the war.

A committee composed of Don Hedeon, Ed Puchalski, Viola Sievers, Tom Kilgariff and Ronald Lind was appointed at the May 24 meeting to look into the advisability of setting the reserve funds of the ITSA into a trust fund, and discontinuing the ITSA as the student governing body.

1,200 Feet of Railroading Equipment Under Supervision of George Underwood

There are 1,200 feet of railroad roadbed, trestles and tunnels under the supervision of George Underwood, freshman mechanical. In addition he is overseer of many intricate freight and passenger yard switches.

This extravaganza in railroading is in reality a model railroad, results of the handiwork of the Evanston Model Railroad Club of which Underwood is president.

The club, hidden away in the basement rooms of the Main Street North Western railway station, has constructed a complete miniature railroad which has been built and is maintained by the members.

Underwood said, "The miniature system is built in the usual manner. Tiny wooden ties are placed on a base of plywood. Rails, made of aluminum, steel and brass, are built to scale and spiked to the ties with a special spiking plier invented by members of the club to speed up the process of laying tracks."

Everything is built to scale including rolling stock, the scale being one fourth of an inch to a foot. According to Underwood, the greatest joys of the railroading hobby come from building every part of the system according to scale and watching it operate. The engines are at an average cost of \$150 each and passenger coaches cost \$20.

The trains are controlled by engineers or "hoggers" located on a platform which overlooks the system. Each engineer operates a throttle and a revolving control switch which puts power into any one of the nineteen sections of track. Red, yellow, and green lights flash on and off to give the all clear, slow, and stop signals.

As a further indication of the work involved in building the system Underwood said that 21,600 ties and 43,200 spikes have been used in the roadbed. The system, Underwood went on to say, will include besides the eight-track terminal, a ten track freight yard and a nine track roundhouse when completed.

All tunnel portals, hills, fills and mountains are built on wooden frames and covered with chicken wire; this in turn is covered with burlap and then filled with plaster. When it is dry it is painted to blend with other scenery. Telephone poles are to be erected, and hundreds of other details must be worked out before the system may be called complete.

Journalism Courses To Be Held Tuesdays

English 211, a one hour course in journalism, will be offered next term on Tuesday at 9 a.m. "All students interested in writing for *Technology News* should register for this subject," said Herman Nelson, new co-editor of the paper.

It will be taught by R. O. Ridings, director of the Illinois Tech News Bureau. Homework for the course consists of writing stories for *Technology News*.

A/S Ray Olson, the other new co-editor of the campus publication, especially urged navy men interested in newspaper writing to register for the course.

DEGREES

(Continued from Page 1)

outstanding work at IIT. They are: Burton Fried, Russell Kasmar, Robert Kovnat, Ronald Lind, Herman Nelson, Roy Norrlander, James Oldshue, Kenneth Sanders, John Schwemberger and Jack Slaton.

Another feature of the graduation will be the awarding of honors to Claus von Fredersdorff, honor student of all departments of Armour, and Sylvia Hershenson, honor student of all departments at Lewis.

The baccalaureate services were held yesterday for the twenty-fifth consecutive year in the Central Church of Orchestra Hall. This is the last time the baccalaureate will be held at Orchestra Hall.

AIEE to Hear Papers By 2 of IIT Faculty

Two IIT professors will present papers at the National Convention of the American Institute of Electrical Engineers, to be held in St. Louis, Missouri, from June 26 to June 30.

Dr. Jesse Hobson, head of the electrical engineering department, will deliver a paper on "Voltage Transients in Arc Furnaces." Dr. Thomas James Higgins will present a paper on "Formulas for Calculating Short Circuit Forces between Channels Back-to-Back."

Members of the electrical engineering faculty will attend committee meetings at the convention.

Trigger Stone

There's a character who's got a heart like his name. To him a Nip in the trees is a notch in his gun.

Me, I've got the hottest pin-up collection in the Pacific but does it get me anywhere with Trig? No!

Even when I try to mooch one of his Chesterfields I have to find him a whole nest of Nips to pick off.

But then... the Colonel says we make a swell Combination...

Remember Chesterfield's
RIGHT COMBINATION
WORLD'S BEST TOBACCOS

5 Key-words
For Mildness, Better Taste
and Cooler Smoking

SAY TRIGGER, I'LL TRADE YOU TWO SWEATER GALS AND A BROADWAY CUTIE FOR A CHESTERFIELD

SOME DEAL

Ask for
CHESTERFIELD
They Satisfy

Band and Glee Club Will Present "Happy Hour"

The Illinois Tech glee club and the navy concert band will entertain the V-12 students at the next "Happy Hour" on Friday evening.

O. Gordon Erickson, director of the IIT musical club, stated that the band will play "Wintergreen for President", "Orpheus", and "Song of India". Another number, "Asleep in the Deep", featuring A/S Ralph Hennie and his bass horn, will also be offered.

The selections that the glee club will sing have not been announced.

Illinois Tech Alumni Fund Nearing Goal

A total of \$34,638.91 from 1635 contributors has been received thus far by the IIT Alumni Fund in the annual drive.

The personal solicitation will end this week, but the mail solicitations will extend indefinitely.

The goal has been set at \$50,000, and it is expected that it will be reached in the near future. A preliminary report listing all the contributors will be published the end of this month.

Hayakawa to Appear at Annual Teachers Meeting

Dr. Samuel I. Hayakawa, associate professor of English, will speak at the "Fourth Annual Conference for Teachers" during their convention, which will be held on July 5, 6, and 7 at the University of Chicago.

Dr. Hayakawa will present a paper reviewing various peace plans to be used after hostilities cease.

Four Initiated Into Alpha Lambda Pi at "Come Inn"

Bob Czerwowski, Kazime Muniak, Dolores Olechowski, and Patricia Jaeger were initiated into Alpha Lambda Pi, the Polish Club, Saturday, June 10. The initiation took place at 9:30 p.m. at the Come Inn.

The Polish Club is distributing blanks for blood donations to its members.

Terrific

FRED WARING'S
VICTORY TUNES
Five Nights a Week
all NBC Stations

Sensational

JOHN NESBITT'S
PASSING PARADE
Tues. Wed. Thurs. Nights
all CBS Stations

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Boogie Concert To Be Given

Hayakawa to Lecture At School Assembly

The auditorium of the Student Union will be "Bouncin' in Boogie" Friday afternoon, June 16, when Dr. Samuel I. Hayakawa will present his lecture on "Boogie Woogie and the Blues".

The program will be in the form of a special assembly, and all classes will be dismissed at 4 p.m. in order that all students may attend, said Dean James C. Peebles.

Assisted by James Wangersheim, freshman mechanical, at the piano, Dr. Hayakawa has presented his program twice before; once in an evening assembly, and once before the faculty. Judging by the amount of applause, the lecture was a great success.

Dr. Hayakawa will discuss the historical development of jazz in America, using records to illustrate his points as he proceeds. He will especially try to bring out the definite connection between the development of jazz, and particularly boogie woogie with the immediate neighborhood surrounding IIT.

James Wangersheim will demonstrate the various types of boogie woogie, playing such compositions as "St. Louis Blues," Duke Ellington's "Do Nothin' Till You Hear From Me," and ending with a torrid solo, the "Honk Tonk Train." In addition to the students, all secretaries and employees are invited. They can make arrangements to come through their department, heads, stated Mr. R. J. Spaeth, treasurer of the Institute.

Hayakawa to Speak At Denver Meeting

Dr. Samuel I. Hayakawa, associate professor of English, will attend a conference dealing with folk literature and music on July 21, at the University of Denver.

Each of the participants will present a paper and Dr. Hayakawa is going to present one on "Jazz". This report explains that the history of jazz is unique in that it is the only folk music ever developed to have had such technical resources as are supplied by complex instruments like the clarinet, cornet, piano, etc.

Other kinds of folk music have had to depend on primitive instruments such as the bagpipe, tom-tom, and banjo exclusively.

Jazz combines the true folk feeling with sophisticated instrumentation and is therefore unlike any other expression of folk culture, according to Prof. Hayakawa.

Orcutt Counsels Average of 65 Students Each Month; Wide Variety of Problems Are Treated

Psychology in action at IIT in the form of counselling is given to about 65 students each month by Mrs. Anna Orcutt.

Students, 80 per cent of whom come for counselling voluntarily, present a wide variety of problems to Mrs. Orcutt. Only about 50 percent of the problems are scholastic ones, the others ranging from home difficulties to an expression of fear of committing suicide because of despondency.

The typical counselling case is a student who, though he feels he has the ability, is unable to do his school work. According to Mrs. Orcutt the failure is generally due to improper study habits, physical defects and emotional causes.

It has been found that since the introduction of the freshman psychology classes the study habit problem has been relieved considerably, she said.

Physical defects are closely checked. Under Mrs. Orcutt's supervision, metabolism tests are given to anyone desiring one, in order to determine the rate at which nervous energy in the body is consumed, a main factor in student failures. An average of six such tests are given weekly. Each test requires about one hour's time.

AIEE Election Will Be On Wednesday

The Illinois Tech chapter of the AIEE will meet to elect next semester's officers Wednesday. The meeting will be held in 202 Chapin, beginning at 5:30 p.m. Peter Fritsch, vice-president, invites all civilian and navy members to attend.

This term the AIEE is losing four officers. Former President Leonard Chase entered the armed services early this term. Louis Sprung, elected to replace him, will be inducted soon; Fritsch will graduate; and Marvin Quateman, secretary, will be inducted into the navy this week.

Accident Occurs At 33rd and State

Another accident occurred last Friday at the busy intersection of 33rd and State Streets.

A/S Bill Pottenger, driving the navy automobile, was struck by a truck which failed to stop for the intersection. Pottenger was uninjured but the navy car lost a tail light and received a smashed fender.

This is one more of several accidents which have occurred at this corner. A/S Bill Cannon spent several months in the hospital as a result of injuries received in an accident there.

There are no stop lights at the corner in spite of the fact that both are through streets.

Advanced Language Exams to Be Given

Dr. Friedrich K. Richter, assistant professor of German, announced today that the language examinations in advanced French and German will be held at the same time and place as the regular final examinations in German.

This announcement applies to those students who wish to fulfill their requirements in French and German for their PHD degrees.

Schaschl Elected New AXE Master Alchemist

Edward Schaschl, junior chemical, was elected Master Alchemist of Alpha Chi Sigma fraternity last Tuesday. He replaces the retiring M.A., William R. Meyer.

Other men elected to office include Ray Gardner, vice Master Alchemist; A/S Donald Hedeon, Master of Ceremonies; Robert Misch, reporter; A/S Jack Mace, recorder; A/S George Sarvadi, treasurer; Carl Bergstrom, assistant treasurer; and A/S Stan Lasho, historian.

Copeland Convalescing At Englewood Hospital

Dr. Paul L. Copeland, professor of physics, is convalescing at the Englewood Hospital from an attack of coronary thrombosis. Professor Copeland was taken ill last Thursday following several weeks of strenuous research with the electron microscope. Dr. James S. Thompson, director of the physics department, stated that Professor Copeland is in need of a complete rest and will probably not resume his duties for a few months.

Prof. Copeland's activities and research with the electron microscope have been assumed by Professor Thompson, Carroll W. Lufey, and Kurt Rothchild.

Simon Becomes Father

A six pound, thirteen ounce baby boy was presented to Herbert A. Simon, assistant professor of political science, recently by his wife. The new progeny of Simon's has been named Peter.

3 Instructors To Leave IIT

Three west campus instructors will leave IIT at the end of the term.

Dr. Norman Kharasch, instructor in chemistry, will pursue research at Northwestern University. He has accepted a position on the chemistry staff, and will receive his Ph.D. degree there.

Professor Lee F. Supple, professor of organic chemistry, and Dr. Alvin Whitehill, instructor in biology, will obtain positions in industry; Dr. Whitehill will work as an industrial bacteriologist.

Dr. Herbert Bernstein, professor of organic chemistry, will replace Prof. Supple. Bernstein will be teaching on the west campus for the first time.

Expected back is Dr. C. L. Clarke, dean of arts and sciences, whose heart ailment forced him to take a leave of absence.

Technology News Completes 16th Year; First Editor Now FPE Instructor Here

This issue of *Technology News* completes the sixteenth full year of publication. The first issue came out on April 9, 1928. It was then known as the *Armour News*, but starting with the second edition it was the *Armour Tech News*. When *Armour* and *Lewis* merged *Lewis News* was absorbed by *Armour Tech News*. The name was changed to *Technology News* and the first issue appeared on October 1, 1940.

The birth of *Armour Tech News* was the result of five years of labor by Prof. Walter Hendricks. Hendricks had urged the publication of a student newspaper from his first year on the AIT faculty. He remained with *Tech News* as faculty advisor until 1942 when Paul O. Ridings came to IIT.

In the spring of 1928 a committee was formed by a group of juniors and seniors who were active in the Press Club and in Sphinx, then honorary literary fraternity. The committee petitioned a faculty board for permission to publish a newspaper and this permission was granted. Plans were made to print five trial issues of the newspaper that spring. Subscriptions and advertising for these issues plus cash raised by the students paid for these issues and *Tech News* got off to a solid start.

The first issue of *Technology News* was five columns wide and consisted of four pages. The humor column was called Slipstick and it has kept this name ever since then. The first two copies of the press went to H. M. Raymond, then president of AIT. The third copy went to Prof. Hendricks. On Nov. 1st, 1928, the page size was expanded to six columns, but after several years the size went back to five columns.

The first editor-in-chief was John Hommes, who had also been the first editor of the *Tilden Tech Times*. Hommes is now a member of the IIT faculty. Hommes belonged to the FPE '29 department.

The managing editor was Fred B. Farrell, CE '29. Russell E. Johnson, FPE '29, was business manager. Johnson is now connected with the New York Underwriters Insurance Co. and the Nebraska State Fire Protection Association. David T. Smith, FPE '30, was the news editor. Smith is in charge of the Fire Protection and safety work at the Oklahoma Ordnance Works.

TECH TIME TABLE

All items appearing in Tech Time Table will be those which are scheduled with Dean Tibbals. No other items will be used.

WEDNESDAY, JUNE 14

AIEE Election, 5:30 p.m., 202C

THURSDAY, JUNE 15

Tau Beta Pi, 6:45 p.m., Swedish Club of Chicago

91% of IIT Professors Require Honor Pledge

Out of 44 professors polled, 40 require the honor pledge, it was revealed today in *Technology News* poll, while four showed themselves indifferent. This poll was conducted by the reporters of *Technology News*, who used their own class room experience. This procedure was followed so as not to force the faculty members to give a direct statement.

Misch Is New Head Of Pi Delta Epsilon

Robert Misch, new business manager of *Technology News*, was elected president of Pi Delta Epsilon last week. Pi Delta Epsilon is the honorary journalism fraternity.

Also elected were Herman Nelson, vice-president; and Mary Reynolds, secretary-treasurer. Nelson is the newly appointed co-editor of *Technology News*; Miss Reynolds is an IIT News Bureau Reporter.

Dr. Walter Hendricks was re-named faculty advisor.

EE Wives Come to IIT; Keep Husbands Under Close Watch

Four wives of electrical engineering department instructors are now keeping a watchful eye on their husbands.

Mrs. Myril Reed works as an instructor in the department, sharing an office with her husband. Next term, she will teach at the west campus.

Mrs. Kenneth Warren, wife of the supervisor of pre-radar Signal Corps training at Lewis, has a part-time secretarial job in the ESMWT.

Elmer Schulz conducts the Signal Corps labs at Lewis. His wife aids in the war effort, also, by working in the ESMWT.

Mrs. Lewis types the direction of hubby William Lewis, who recently joined the EE staff, in the newly decorated room 306 Physics.

To add to the general confusion, Mrs. Lewis works at *Armour*, while the other three wives will work at Lewis.

Gas Institute Engineer Addresses AICHe Group

John C. Kalbach, senior chemical engineer at the Institute of Gas Technology, addressed the student affiliate of the AICHe last Friday afternoon.

Kalbach discussed a technological process involving the "fluidizing" of gas-solid mixtures. He illustrated his lecture with slides and demonstration apparatus. In the process, a gas and small particles of solid are brought into contact by a turbulent motion caused by compressed gas. Applications of the process arise in the purification of metal ores and gases.

The election of officers, which was scheduled at the meeting, was postponed until today.

V-12 Conference Attended By Hamilton and Andersen

Lt. Wayne Hamilton, accompanied by Lt. (jg) M. P. Andersen, attended a two-day meeting of V-12 unit commanding officers last Friday and Saturday. The meeting was held at the Morrison Hotel and was attended by the skippers of all the V-12 units in the Ninth Naval District.

Present at the meeting was Captain Adams, who is in charge of the various training programs of this district. Captain Adams led the program, which was a discussion of the many problems involved in commanding a unit of the V-12 program.

Further data from the results of the poll showed that 24 professors stay in the room and the remaining 20 leave. However, the poll showed that many who stay in the room do so only to answer questions, not to proctor.

A few of the faculty showed themselves different from the majority in some instances. Prof. B. B. Freud will not mark the paper if the pledge does not appear. Prof. Charles O. Harris, though not as severe, threatens to substantially lower the grade if the pledge does not appear, but it is not known that he carries out this threat.

Professor Alfred Ames, new in the English department, does not seem to be fully acquainted with the honor system and consequently does not give it attention. Professor S. I. Hayakawa, as shown by the poll, is very dubious about the honor system and requires a pledge only as a formality.

Giving out alternate quizzes or alternate seating are some of the devices many of the faculty use to reduce temptation as indicated by the poll.

This poll was conducted by the reporters of *Technology News*, who used their own class room experience. This procedure was followed so as not to force the faculty members to give a direct statement.

Honor Fraternity Elects 6 Officers

Karl Bruegmann was elected president of Pi Tau Sigma, honorary mechanical engineering fraternity, at last Tuesday's meeting.

Other new officers are Clarence Puchalski, vice president; Joseph Algin, recording secretary; A/S Robert Thurston, corresponding secretary; Take Taniguchi, treasurer, and Roy Norrland, Cataloguer.

In order to cope with the possibility of an officer leaving because of the draft, the runner up in each election was named as alternate for that position. The alternates are A/S Thoren for position of president and vice president; Arthur Rynkus, recording secretary; Take Taniguchi, corresponding secretary; Roy Norrland, treasurer and George Linhart, Cataloguer.

Keys, certificates and membership cards for the actives initiated this term may be obtained from Bruegmann.

SCMP Meeting Features Movies Shown by Bicek

Motion pictures, shown by Dr. Edward J. Bicek, instructor in chemistry, were featured at last week's meeting of the SCMP.

The titles of the pictures were "Celite, the Story of Diatom" and "Unfinished Rainbows." The latter movie concerned the development of the Hall aluminum process.

Following the meeting, refreshments were served.

These students have received their induction notices during the week and have made arrangements to leave IIT, according to Dean James Peebles' and Dean Ernest Walker's records. (A—army, M—marines, MM—merchant marine, N—navy)

ARMOUR		
Herbert Ascher	ChE 2	A
Russell Boettger	ME 3	A
Thomas Brody	ME 2	N
Earl Schlosser	ChE 1	N
Louis Sprung	EE 4	N
Louis Kusova	ME 1	N
Kenji Morikawa	Ch 1	A
Herbert Murayama	ME 2	A
Marvin Quateman	EE 3	N
Lloyd Thoren	EE 2	N

LEWIS
George Roumbas
ME 1
A
A total of 90 men have been drafted since the abolishment of the quota.