

THE CHICAGO COMMUNITY FUND'S DRIVE is now on. It merits your careful consideration and needs your help to carry on the work which helps fellow human beings. Dig deep, brother, and give what you can. Who knows—you may need its help someday!

Dr. S. I. Hayakawa will address a joint meeting of the Communication Sections of AIEE and Western Society of Engineers on the subject "Social Aspects of Communications." I have received a letter from the secretary of WSE indicating that readers of *Technology News* are invited to attend. Address: Auditorium 2nd Floor, Engineering Bldg., 205 W. Wacker Drive at 7:00 p.m.

THE WELL PUBLICIZED INTEGRAL BALL will be held this Saturday evening. I have been lambasted by written letters and verbal comments pro and con on the advisability of making the one big dance of the year formal. Little did we realize that the publication of "Twinkledust's" letter several weeks ago would cause such a stir.

THE PIGSKIN PROPHETS CONTEST SPONSORED BY *Technology News* has been received with enthusiasm. The number of entries has been overwhelming. Correlating results is keeping four staff members busy. Full information on how to enter may be found on page 6.

AN ANNUAL ENGINEERING UNDERGRADUATE AWARD and Scholarship program has been announced by the James F. Lincoln Arc Welding Foundation. There are 77 cash awards ranging from \$1000 to \$25 and seven \$250 scholarships to be given for the 84 best papers dealing with original arc welding applications. A unique feature of this program is that only undergraduate engineering students are eligible to submit a paper for consideration. Closing date is May 15, 1948. Complete rules and regulations along with suggestions may be obtained from The James F. Lincoln Arc Welding Foundation, Cleveland 1, Ohio.

Alpha Phi Omega Invites Former Scouts To Join Fraternal Service Ranks

Alpha Phi Omega, the campus service fraternity, has invited all students interested in the group to attend a social and smoker which will be held Friday at 9 p.m. in the North Union lounge. Aaron Solomon, president of APO, stated, "The sole purpose of this meeting is to find men that subscribe to the principles of the fraternity and interest them in membership. Therefore, I urge all former scouts on the campus to attend. They will find the meeting interesting and worthwhile."

Scheduled for Friday night are introductory talks by officers of Alpha Phi Omega, explanation by the members of the principles of the fraternity, a question period, good entertainment, and refreshments.

Unique among fraternities, Alpha Phi Omega is a national organization composed of college men who have been or are affiliated with the Boy Scouts. Each candidate for membership must have satisfactory scholastic standing, a desire to render service to others, and former training in the Scout movement. Scouts and former Scouts of all ranks are eligible for membership.

The purpose of Alpha Phi Omega, as set forth in its national constitution, is to assemble college men in the fellowship of the scout oath and law, to develop friendship, and to promote service to humanity. Being a service fraternity, Alpha Phi Omega crosses all lines of honorary, social, and professional fraternities.

See SERVICE RANKS on Page 4

TECHNOLOGY NEWS

Vol. 46, No. 4

ILLINOIS INSTITUTE OF TECHNOLOGY — CHICAGO

October 15, 1947

Community Fund Drive Opens

NSA Encourages Student Culture, Educational Aid

One of the functions of NSA will be direct sponsoring and encouragement of programs of student social and cultural welfare. An example of this is the NSA's cultural program, by which NSA hopes to present the creative efforts of the students to the American public, and bring to the campus the best in cultural effort.

The cultural program has five more specific sections. Under student participation, NSA plans to sponsor tours of student art, musical, theatre, and dance groups from American and foreign colleges and to encourage regional symposiums, exhibits, and concerts. The NSA also hopes to sponsor tours by professional groups of the same type.

The NSA expects to publish and distribute significant lectures and articles in arts, sciences, and culture, establish a traveling film rental library, and arrange a series of competitions in the fields of arts and sciences.

The second panel established at the Madison convention concerned itself with educational opportunities. Their program covered the fields of economical barriers to educational opportunity, educational discrimination, educational facilities and curricula, and academic standards.

In the field of economic barriers See EDUCATIONAL AID on Page 4

Modesty Triumphant

A temporary remedy has been found for a campus problem that bothered students ever since the Chemistry building came into use. Large white sheets of paper now cover the "glass walls" of the six washrooms that were previously exposed to the glance of all who cared to look.

Plaudits go to the architectural department for their prompt action in putting up the opaque banners of modesty. In fact, so rapid was the response to the article in last week's issue of *Technology News* that the day after publication saw the alteration in effect.

The building plans actually call for a conventional remedy with the inevitable shield shutting out the world; however, it was not revealed just when a permanent solution to the problem will materialize.

Techawks Step Out In Formal Attire Saturday; Deadline Extended In Integral Ball Queen Contest

After seeing the pictures of the lovely women entered in the contest for the selection of the Integral Ball Queen do you wish you had entered your little woman?

Well men, fret no more, you can still enter your "queen." The deadline for entries has been extended until tomorrow afternoon. This action was taken, the Ball committee disclosed, because of the large numbers of late entries. Up to last Friday, only 15 pictures (most of which were submitted during the previous two days) had been submitted and it was felt that an extension of time would result in a keener contest.

The shift in the deadline date will move the all-school balloting for the



Shown above are eight IIT students who were recently presented the Morse Memorial Foundation scholarships by Dean John F. White. Left to right: Dean John F. White; Alan Connors; Ralph H. Anderson; Harry Johnson; Robert W. Amstutz; William L. Smart; Edward J. Adolphson; Warren Sommers; and Paul A. Larson.

'A Rose By Any Name...' And Techawks Score Social Coup

This is the story of how four Illinois Tech boys stole a well planned show from those whose business it is to figuratively steal shows.

Illinois Tech received notice from a large watch manufacturer that Ella Raines, the well-known movie star, was to arrive in Chicago on Wednesday afternoon. A welcoming committee was requested, and accordingly, Frank Bagamery, Jack Davoust, Joe Hamilton, and Harold Howell were sent to the airport to greet her.

The four, thinking it appropriate, bought a spray of roses to give her at the airport welcoming, but when they arrived, the roses were "pooh-poohed" and an orchid bouquet substituted. While cameramen photographed the orchids and the welcome committee, Miss Raines invited the four Techawks to a luncheon being held in her honor at the Palmer House by Chicago's leading jewelers. The \$300 orchid bouquet was discarded as soon as the photographers were through.

At the luncheon, Frank Bagamery led the others in completely changing the watch manufacturer's carefully planned publicity schedule. The roses were rescued from somewhere and formally presented at this time; to the final embarrassment and chagrin of the watch manufacturer, Frank made Miss Raines an honorary pledge in the Delta Tau Delta fraternity (in which all four are active members.)

Hand Explains Low Subsistence Checks

The receipt of partial pay checks for the month of September has caused a considerable amount of confusion among veterans who attended summer school and applied for annual leave. Mr. Frederick Hand, VA training officer, would like to clarify this situation.

Subsistence payments for those attending summer school were terminated as of August 22 when summer school ended. If the veteran applied for annual leave, nine days of his leave time was included in a full check for the month of August. Any time accrued over nine days was covered by a partial check for the month of September. If a man had a maximum of 30 days accumulated, he also received a check for 21 days of September. Payment for September 22 and on will be covered by the next check, which should be out late in November.

In the future a 15 day leave will be granted automatically at the end of the spring or summer term when the veteran interrupts training. Men who do not wish to lose eligibility time may request stoppage of this automatic payment.

made last week by an ITSA committee consisting of the class presidents.

And thus the stage is set for the regal affair. Saturday will be the big night, the Ball Taberin Room of the Hotel Sherman the place, and 9 p.m. the time.

Del Rene and his orchestra will provide delicate music for 250 couples. And in the mind of each person—who will be the Integral Ball Queen? The answer will rest in the decision of three prominent judges: Patricia Stevens, head of a well-known model bureau; George Petty, prominent creator of beautiful feminine artwork for Esquire magazine; and John Aherne, "the Billy Rose of the IIT faculty."

192 Chicago Charities Will Be Benefited

50 Cents From Every Student Will Realize IIT's Goal Of \$1800

All students and employees will be asked to help make the Community Fund drive now in progress at Illinois Tech, fulfill its usual worthwhile part of the present Community Fund drive throughout the Chicago area.

Carol Moses, student chairman of the fund, has announced that a goal of 100% participation has been set; and with an average estimated contribution of 50c, a total of \$1800 is anticipated from the student body alone. "Thermometers" will record the progress of the campaign as to the percentage of the goal that has been reached from day to day.

The drive, which began today, and will run until November 1, will be highlighted during the week of October 20 to 25 when two booths will be set up to accept contributions from students. Locations of the booths are the North Union, where the booth will be placed outside, weather permitting; and the South Union. These booths will be manned from 8:45 a.m. to 8:15 p.m. daily by members of ITWA, Alpha Phi Omega, and IT-Vets; and girls of the ITWA will pass banks between classes. A red feather will be given for each contribution, large or small.

Each member of the staff of over 1500 Illinois Tech employees will be asked to contribute 6 hours pay. Secretaries of the respective departments have been enlisted as assistants in this phase of the drive. Judging by records set in past years, See COMMUNITY CHEST on Page 5

Little 'Old Faithful' Snuffed Out After Short Geyserdum

That big ditch along the north side of the Physics Building is the result of steam pipe trouble, according to Mr. Walter Parduhn, superintendent of the department of buildings and grounds. Orders for pipe to repair these lines have been on file since last May, but no pipe is available. This means that what ever pipe can be located in the stores around Chicago is being used for repair as soon as it is obtained. Consequently the steam lines are hybrid combinations of several sizes of pipe, depending on what was available when the corroded piece needed replacing.

The "little geyser," which was quite active on Federal street two weeks ago, grew from a leak in the condensate return line. It began to gush whenever the steam-heating system was operating under pressure. Mr. Parduhn explained that a more dangerous situation existed when the condensing steam lowered the pressure below that of the air, and muddy water, sucked in at the leak, would travel through the system, damaging pumps and causing excessive wear to pipes and valves.

Insulating material for the present repair, as well as tile for covering the insulation, is already available; but the job cannot be completed until the required sections of pipe are located.

Let's Play It Safe

A number of students ranging between the ages of 14 to 16 years old were engrossed in various shop projects when their instructor reached over to plug a portable connection into the wall. Every witness later agreed that there was but one explosion and that it was a low rumbling noise, with none of the blast that might be expected. On March 18, 1937 the \$300,000 high school of London, Texas ripped wide open amid the final agonized screams of its 294 dead and dying occupants. The terrific force of the explosion tossed bodies 75 feet into the air; an automobile 200 feet distant was crushed like an eggshell under a two-ton slab of concrete that had been hurled from the building. This preventable accident resulted in one of the major disasters of the present century.

It has been established beyond reasonable doubt that the direct cause of this tragedy was due to a leaking gas pipe under the building, which was ignited from the arc of an electric switch in the manual training room. In this, as in other preventable accidents, no one individual was to blame. H. Oram Smith, of the Texas Inspection Bureau wrote, "It was the collective faults of average individuals, ignorant or indifferent to the need of precautionary measures, where they cannot, in their lack of knowledge visualize a danger or hazard."

Along with the slight decrease in industrial accidents through the nation during the second quarter of 1947 the accident rate at Illinois Tech has also begun to decline. The decrease in lost man hours from school and work at IIT could possibly best be attributed to the increasing awareness of safety both on the part of students and employees of Technology Center.

But there is no cause for rejoicing . . . There still are students crossing 33rd street with complete disregard for the oncoming vehicles. There still are students who think that the traffic signal on State street should be obeyed only by those who "have time to waste." There still are faculty members and students alike who think that the "No Smoking" signs in the classroom serve as a mere decoration.

The January 1948 college graduate will emerge into a world that has an accident rate of more than 28,000 deaths and injuries every day. As men and women of science and education, destined to accept vital positions in industry, we should develop a sense of social responsibility that will enable us to foster a truly accident free community and nation.

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Don't Be A Target!



THE LETTER BOX

Editors Note: *Technology News* will award a carton of Chesterfield cigarettes to each of the two best Campus Comments submitted for any one issue. Letters must be of 250 words or less and must be signed, although names will be withheld on request. To be eligible for any one issue, letters must be submitted by noon of the Thursday preceding publication.

Formal Dances Again

Sir:

Colleges and universities are instituted to prepare young men for their future work. This preparation should be rounded out by a series of social events likened to those they may well be obligated to attend while endeavoring to become successful in whatever field he has ventured.

Social events at IIT are originated, planned, and developed in class and organizational meetings, subject to the approval of ITSA—your democratically elected representatives.

In the case at hand, namely, the Integral Ball, a class meeting was called by the class officers, announced through the *Technology News*, student activities board, and the class's own newspaper.

Why was this dance voted formal? Because the class felt a desire to sponsor and take part in an affair which is more elaborate than the type of dance found each Saturday at the Aragon.

I don't believe that type of dress or apparel should have any effect upon the normal social reaction of an intelligent student.

The return of formal attire to a dance at IIT has no more effect upon the "democratic tradition of IIT" now than in the years previous to the war.

Wilbert M. Kedrow, President
Senior Class

Slipstick

A bewildered man entered a ladies' specialty shop. "I want a corset for my wife," he said.

"What bust?" asked the clerk.

"Nothin'. It just wore out."

-IIT-

"You look sweet enough to eat," he murmured soft and low.

"I am," said she quite hungrily, "Where do you want to go?"

-IIT-

Frosh, "Well, how was that burlesque dance?"

Junior, "Abdominal."

-IIT-

A sophisticated girl is one who knows how to refuse a kiss without being deprived of it.

-IIT-

Top of the World

Economic Millenium Is Here Henig Believes

Harry Henig, professor in the business and economics department, passed the remark in one of his classes that lots of people are grouching about current economic conditions. He doesn't understand this because, as he sees it, economic conditions are excellent. His comment occasioned both class and some after-class discussion. Since the point he made is interesting, we have asked him to write it up for *Technology News*. And since, furthermore, some students disagreed with him, we shall keep this column open for any student or faculty member who sends in an interesting answer.

When I said that the economic millenium is here, I had in mind that both the big and little fellows in the United States are doing quite well for themselves, a fact which everybody appears reluctant to admit. The big fellows complain about high taxes, conveniently forgetting that profits after taxes are higher than ever before. Working men, who not so long ago regarded steak and butter as upper-class table decorations, are nowadays biting into the luscious beef at least occasionally, and smearing the staff of life with yellow stuff other than oleomargarine rather frequently. You really don't have to take my word for this; just look at the cold facts. The Department of Agriculture has reported that this year's meat production is greater than in any peacetime year. Americans are eating more meat, more vegetables, and drinking more milk than before the war. Total national production of consumer goods is now at an all time high; and average real income (real, not money) reached top level in 1947.

Of course, prices are terribly high. I wish they were lower. Still I can remember when they were quite low, so low that it hurt. In the early 1930's you could buy a pound of steak for about forty cents; now it's close to a dollar. But most of us at that time were in a bad way despite the good natured butcher who so graciously kept lowering and lowering prices.

First of all, there was the little matter of 15 million men walking the streets. The profound truth finally dawned on us that you couldn't eat, no matter how low prices were, unless you had the cash to lay on the line; and you couldn't lay it on the line unless you had a job; and you couldn't get a job because it wasn't profitable for businessmen to hire workers to produce goods which people didn't have the money to buy. We finally broke through this circle. The dollars are now around in pay envelopes, in farmers' overalls, and in businessmen's bank accounts.

The second thing I remember about the 1930's is the tiny pay envelopes collected each week by those lucky enough to have jobs. They were tiny for two reasons: (1) the hourly rate of pay was low and (2) lots of men worked less than the full-time week.

The real point, though, is that we hoped and prayed for what we now have, that is, for full employment and large national real income. Now that we've got it let's admit that it's the economic millenium that only the optimist really counted on.

Now for a sour note. There are groups within the economy that are really taking it on the chin. White collar workers, for example, whose salary (fancy word for wages) have not kept pace with prices. A still more distressed group is the house-less families who are living in cellars or, perhaps worse, with mothers-in-law.

But the over-all picture is great. It just doesn't make sense to say that we're not well off. In real terms—food, clothing, even shelter for the vast majority—we're sitting on top of the world. A different question, and one I'm not discussing here, is: Can it last?

Harry Henig

Collegiate World

by Don Goldsmith

Within the confines of that august institution, Bucknell University of Lewisburg, Pennsylvania, there roams a true rarity—a distinguished freshman. The member of this almost extinct specie is William L. Kemp, youngest member of the Pennsylvania legislature. Mr. Kemp, a 21 year old former field artillery first lieutenant, enrolled in Bucknell's commerce and finance department at the beginning of the current semester. It is his intention to study political science while remaining active in politics. If this sort of thing takes hold we may soon have educated law makers.

An example of drama in everyday life was found buried in the classified ads of the Southwestern college newspaper. First there was a small ad reading: "FOR SALE—Saxophone, nearly new, see Al Gallagher, International House." Beneath this was a still smaller ad which pleaded: "Someone please buy that Sax." Signed: "The International House boys."

Louis L. Fisher

Techmen Talk

by Eugene R. Stanley

Question: What do you expect to gain from your college education? **DICK WILLIAMSON, JUNIOR EE:**

"I believe that a college education gives one a better understanding of the nature of other people's problems. It will not, by any means, give the answer to their problems, but it will help. Thus, a more friendly relationship will exist with other people. A good relationship between people

working for a company is very desirable and usually results in a higher income for the individual. Secondly, the statistics I have seen bear out that a college graduate has more security during a depression. In as much as I am married, this point is of prime importance."

JOHN CONDOR, FRESHMAN IE:

"I think one of the main reasons I'm attending college is to earn the respect of my fellow men and do my share for modern society. I don't expect to make a million dollars. All I expect to do is earn enough to comfortably support my family. I'd much rather be satisfied with my work than to earn a large salary and not be content with my job. I don't personally believe that you meet all types of people in college, for those attending college fall into rather a specialized group. For this reason a student should not confine his activities exclusively to college clubs, but he should try to meet people who are not attending school so that he may gain a truer cross section of people in general."

WILLIAM DAVIS, JUNIOR EE:

"Probably the main reason I'm attending college is to better myself economically. Secondly, I feel that college will contribute a certain amount to my social prestige; and thirdly, school is a lot of fun. Though I believe the contact one makes with other college students is somewhat overrated, it is important. However, it seems to me that for a design engineer, technical ability would be more important."

WALTER BELAND, JUNIOR ME:

"A few years ago while designing model airplanes, I discovered that the problems involved for a successful model required mathematics, physics, statics, and many other studies which I knew little or nothing about. These problems intrigued me so much that I resolved to study engineering. In the competitive world today, a college education is a great asset."

The Bee Line

by "Buzz" Campbell

The other week we noticed a small volume of steam issuing forth from a small hole strategically located on Federal Street. At first we thought they were going to punish us for jay-walking by administering a hot-foot. It's fixed now. No longer is steam coming from the hole three inches across—now it's coming from one thirty feet long!

Meet the Faculty:

Ray Sauer, CE Scholar Aims For Consultant Job

by John C. Dinou

Judging from a story he likes to tell, Ray Sauer's tavern would be unpopular with Tech men; that is, if he had a tavern. The story concerns two men who go into a tavern for a glass of beer. One was a pessimist, the other an optimist. Each drank exactly half of

his glass. The pessimist said, "My glass is half empty;" the optimist said, "My glass is half full." Now, equating these statements, one-half empty glass equals one-half full glass, and multiplying through by two, yields one empty glass equal to one full glass. "That will be one dime, brother."

This is the sort of mathematical nonsense he likes to indulge in as a diversion from his teaching duties. In his more serious moments he has managed to adorn his watch chain with the keys of Tau Beta Pi, Chi Epsilon, Honor "I", and ASCE. His undergraduate average was 2.63. His graduate average is even better.

After graduation from St. Ignatius high school in 1939, Ray took examinations for scholarships at various universities. The \$5000 Commerce school scholarship offered by Notre Dame particularly attracted him. He missed the juicy

prize by .25 of a percentage point. Two days after graduating (with a BS) in civil engineering in February, 1943, he was in Pittsburgh, working for the Dravo Corporation in the construction engineering department.

He came back to Tech in July, 1944, as a half-time graduate assistant to begin work on his master's degree, which he received last June. He became full instructor in September, 1946. Now the powers-that-be are urging him to go on to a doctorate.

During the summer Sauer leaves IIT for the clean cool air of upper Wisconsin, where he is an instructor at Camp Armour.

At twenty-six, Ray is a bachelor. He lives with his folks on Chicago's "greater southwest side." When asked what his future plans were he replied, "I'll stay here and teach for a while. I'll always be ready for a good offer but ultimately I'd like to establish myself as a consultant on construction problems." His boss, Professor Phil Huntly, says of him, "Whether he stays here or goes on to other things, Ray will do all right. He's a mighty bright boy."

Fraternities and Sororities

Alpha Sigma Phi

The Alpha Xi Chapter recently appointed three new officers for the coming semester. Chapter President is Roger Dreffin, corresponding secretary is Frank Havel, and the new house manager is John Peterson.

The fall pledge class of nine men is made up of Harvey Wilson, Dick Gallagher, John Peterson, Jim Rice, Jack Worcester, Joe Smith, Al Thompson, Roger Krafft, and Bob Dunn.

Among the immediate social activities for the semester is a combination hay ride-weiner roast, to be given Oct. 11.

Sigma Omicron Lambda

Rushes were guests of the Lambda's last Saturday at a theater party. After dinner at the Piccadilly, the group saw "Taplitzky of Notre Dame."

There will be a pledge dinner at 6 o'clock this evening.

Rho Delta Rho

Rho Delta Rho started off its current ambitious social program with a hay ride last Saturday, October 11, from the McCormick stables. In store for the Rho Delts this semester, under a social committee including Chuck Berman, Ed Rabens, and Lenny Breen, are a multitude of varied affairs topped off by an all out dance to be held at some still undesignated date.

Triangle

New pledges of Triangle Fraternity are W. Cadigan, W. Comis, F.

Maxin, K. Nedved, E. Rowe, E. Squifflet and D. Thomas, as well as new housemen D. Cummings, F. Koch, K. Matousek, C. Muto and R. Patton. The above men were pledged at a meeting on the night of September 29, following a busy rush week.

The first event of an active social calendar for the term is a hayride to be given in the near future.

Theta Xi

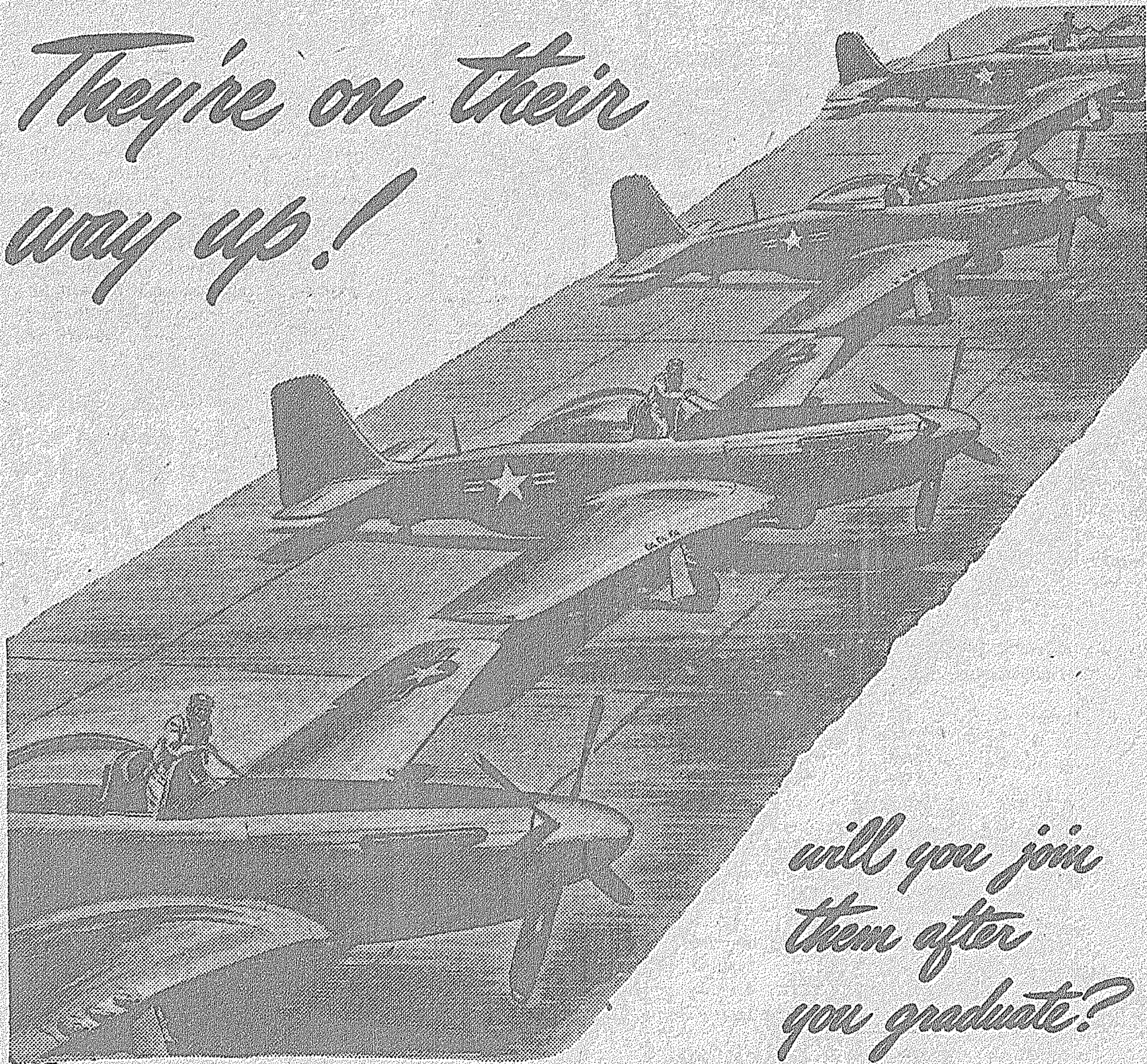
Theta Xi just completed a very successful rush period. The twenty-two men pledged on Monday, October 6, at a special ceremony were Ralph Loh, Jack Kuzia, Dick Lindner, George Strawbridge, Jim Machen, Ed Storer, Bob Walker, Ed Lawson, John Welker, Dick Setzer, Joe Paul, Frank Yates, Warren McCollum, Roy Morris, Ted Sweeney, Bob Kopecky, Dick Desens, Al Doty, John Schoneman and Jim Blomgren.

Jim Brown, Jim Snyder, and Pete Contos were initiated as active members on September 29, followed by a dinner at the Tam-O-Shanter Country Club.

Daedalians

The first meeting of the sons of Daedalus was held on the evening of Monday, October 4, in the regular meeting room, 405 Main. Election of officers was held and the new officials installed. Those elected, and their positions are: Herman Laude, regent; James Kordig, vice-regent; Adolph Shumann, secretary; and Charles Edwards, treasurer.

They're on their way up!



will you join them after you graduate?

You probably know a number of men in your class who were pilots in the wartime Air Force. They are the best advertisements for the Aviation Cadet program. Talk with them about it.

Chances are, they'll tell you their service as pilots was one of the most interesting and exciting phases of their lives. Fast action, comradeship, and the chance to serve their country paid them dividends they don't forget . . . added something to their stature and poise that they couldn't have gotten anywhere else.

Cadet life today is no different. As a potential pilot in the new U. S. Air Force, you serve at a time of equal importance to the nation. Freedom, responsibility, the chance to use your own initiative are all yours.

The training you get is the finest your government can provide — \$35,000 worth for every Cadet.

You're taught by skilled instructors, fly the best airplanes. Your living facilities are excellent.

Learning to fly today opens profitable fields to you in aviation — which is expanding more rapidly than at any other time in history.

Pilot training is open, now, to single men, 20 to 26½ years old, who have completed at least one-half the credits for a degree from an accredited college or university — or pass an equivalent examination. Cadets completing the course will be commissioned Second Lieutenants, ORC, and assigned to active duty as pilots with the Air Force. During their tours of duty they will be given a chance to qualify for Regular Air Force Commissions. This is *your* opportunity! Look into it today at your nearest U. S. Army and Air Force Recruiting Station.

U. S. ARMY AND AIR FORCE RECRUITING SERVICE

FOUR NROTC Rifle Team To Hold Contest

The rifle team representing Illinois Tech's NROTC unit will open competition this week with the navy team from Rice Institute of Houston, Texas.

Major F. D. Cortner, USMC, expects this year's team to better last year's record of eighth in the Annual Rifle Competition for NROTC. With almost all of the team back and "better than ever", the major said that there is no reason why the team should not be in one of the first places.

At the present time eliminations are being conducted to fill the vacancies on the team. Jim Henry, team captain, and Marvin Zelibor, student coach, are holding the eliminations under the direction of Technical Sergeant Frank Fraelle, USMC. Sergeant Fraelle's hard work, according to Major Cortner, is responsible for the team's excellent standing last year and for the apparent improvement this year.

During this season the team plans to fire matches against the 51 other NROTC units. During the next week the team will fire a match with the team representing the Rensselaer Polytechnic Institute in Troy, New York.

Labor Leader To Address Newman Club Tonight

The Newman Club will present the second speaker in its series on the labor problems of today at 7:30 p.m. this evening in the auditorium of North Union. Mr. Nicholas DePietro, Executive Secretary of the Chicago Federation of Printing Trades Unions, will illustrate labor's approach to the problem with incidents from his active career. At present he is engaged in the organization campaign at the Donnelly Publishing Co. He is a delegate to the Chicago Federation of Labor, a member of the Catholic Labor Alliance, and active in promoting racial justice.

• Educational Aid

Continued from page 1
The NSA advocated federal financial aid to worthy students, an increase in GI subsistence allowances in proportion to the size of family supported, and encouragement of increased private contributions to education facilities and scholarships.

The NSA also took a stand advocating equal educational opportunities for qualified persons regardless of economic circumstances, race, religion, sex, national origin, or political beliefs which recognize the sovereignty of the U.S. Constitution.

The problem of educational discrimination was referred to the individual campuses and regions for solution, with the NSA acting as a co-ordinating agency.

The NSA also advocated use of teacher rating schedules for faculty guidance and curricula improvement.

In much the same manner that a college accomplishes its aims through giving the student the benefit of the accumulated experiences of other people and stimulating thought along directed channels, the NSA hopes to act as a "college of student affairs" by providing one campus with the benefits of the experiences of other campuses, and stimulating the efforts of students to improve campus conditions. Carrying this analogy a bit farther, just as the student who does not make the effort to avail himself of college facilities gets practically nothing out of college, so the campus which does not put some effort into NSA will get nothing out of it. Frankly, what this means is this: If Illinois Tech joins NSA the NSA will not automatically present IIT with a gilt-edged new campus life. Illinois Tech will have to co-operate with NSA and put forth some effort on its own part.

(Panel three, on international activities, will be discussed in the next issue of *Technology News*.)

Jobs Require School Record

Students graduating January 22, 1948 are urged to report to the placement office and fill out their placement records. Those receiving degrees in June, 1948, are also encouraged to submit these forms.

Placement records serve a dual purpose. They are used in connection with the various interviews which companies from all over the nation conduct on the Illinois Tech campus. The forms include personal history, photograph, college record of activities, service record, and record of work experience. This enables the interviewer to get a quick and accurate picture of the interviewee.

The placement records serve also as a reference for the future. When a placement record is submitted, that record remains in the placement office as a permanent reference sheet, and will be retained in the files as long as the office shall function. Many times the placement office is called upon by company personnel men to give as much information as it has on an alumnus. It has occurred that men have lost out on positions because this office had no information whatsoever available on a given graduate. It should be stressed that a photograph is also very important in this connection.

The Placement office urges all January and June 1948 graduates to submit these forms so that it can be of help to them not only now but also in the future.

ITSA Discusses Plans For Coming Semester

The ITSA Board of Control unanimously accepted January 10 as the date of the first ITWA dance. "Although final plans for the dance have not been completed," announced Ida Wright, president of ITWA, "a program of dancing, entertainment, and refreshments is promised."

Don Ennis, Junior class president, asked ITSA board to consider possibilities for Junior Week Chairman. Proceedings for the selection of Junior Week Chairman were postponed until the next meeting of ITSA. All students are encouraged to contact any member of the ITSA Board if they have any pertinent suggestions or to personally attend the next ITSA meeting.

ITSA Board also accepted plans for the installation of loud speakers in the South Union by Rho Epsilon.

The board also appropriated sufficient funds to send four students to the Associated Collegiate Press convention. It was proposed that two members of *Technology News* and two members of the Integral be delegates to the convention.

All students are encouraged to attend ITSA meetings and become acquainted with the board elected to govern all social activities at IIT. Information concerning meetings will be announced in *Technology News* or may be obtained in the ITSA office located directly behind the book store in the South Union.

Registrar Uses Microfilm To Record Enrollments

Three microfilm projectors are in use in the Registrar's office, for use with 16 rolls of film containing the records of the entire enrollment of last spring and this summer. Fourteen rolls were needed for last spring's registration, while two were sufficient to record the summer enrollment. The three-by-five cards filled out at registration time were photographed about one-twentieth of their original size.

A saving in filing space was the original purpose of employing the film, but it was found that the continued use of the viewers is an eye-wearing task, as compared with using the cards they were photographed from. For this reason the microfilming of enrollment data is being discontinued.

Larkin Handling IIT's Rhodes' Scholarships

John Day Larkin, Dean of Liberal Studies, will handle all applications for Rhode's scholarships to the University of Oxford. Students who are interested in the scholarships can contact Dean Larkin in room 113C and obtain any desired information.

Forty-eight scholarships, which are good for two years and carry a present value of \$400 per annum, are now being offered to college students in the United States.

The scholarships will be awarded in two categories, regular and war service appointments. To be eligible for the first, one must be male and single, have completed his sophomore year in college and be between nineteen and twenty-five years of age on October 1, 1946.

Marriage will be no bar to war service appointments and the maximum age allowed will be thirty-three. One year of college work and at least one year of war services will be required. Civilian war work and work in essential industries will be counted toward this one year.

Technology News meeting Thursday. See page 7.

SUBC Passes New Regulations On Use Of North And South Union Lounges

A discussion was held on the problems of using the lounges to the best possible advantage at a meeting of the Student Union Board of Control last Friday evening. As a result of this discussion the following recommendations were sent to John F. White,

Dean of Students,

North Union Lounge,

1. In order to preserve the expensive furnishings, students are asked not to smoke, eat, or sleep in the North Lounge.

2. No card-playing will be allowed in the North Lounge. Students are asked not to move the furniture.

3. Ordinarily the Lounge will close at 5:00 p.m. Night school students will not be allowed to use the Lounge.

4. Any organization wishing to use the Lounge in the evening must apply to Bernard Weissman, Manager of the Student Union. Except for special occasions (dances, etc.) these organizations must leave by 10:00 p.m. Under special application the lounge will be held open till 12:00 p.m.

5. The radio console will be open for use during evenings by organizations requesting it. Ash trays will be provided for evening use only.

6. The conference room on the first floor of the North Union will be available to organizations for meetings and dinners upon application to Mr. Weissman.

South Union Lounge:

1. Eating, smoking, and card-playing will be allowed.

• Service Ranks

Continued from page 1

and members of other campus organizations may be active in this one also.

Lester Templeton, vice president of APO, said, "Our members gain fellowship with a group of Scout-trained men, the opportunity to take part in service projects which bring benefit to others, and the opportunity to develop leadership abilities through committee assignments in the fraternity."

Illinois Tech's chapter of Alpha Phi Omega came into existence in Spring, 1945. It was formed by a group of students who felt the need of such an organization on the campus. It became the 101st chapter of the national organization, which now numbers approximately 150 chapters.

Sponsorship of the March of Dimes, the Community Chest drive, freshman orientation lectures and counseling, ushering at graduation ceremonies, and providing information and guide service during Junior Week were some of the projects completed by the chapter since its organization.

ME's, Sophomores Lead School As Registration Hits New High

Registration Data compiled by the registrar's office as of October 3, shows that again this semester, the sophomores and ME's are the most numerous and the seniors, the least. The ME's have lost the cellar rating to the public administration students. The following figures are for the day enrollment only.

Term	1	2	3	4	5	6	7	8	9	Total
ME	149	68	129	81	131	80	113	77	0	828
EE	132	61	138	76	130	130	83	96	2	784
ChE	84	34	6	41	61	27	35	8	3	361
CE	48	20	48	24	50	11	35	15	1	252
Arch	48	2	43	20	44	6	43	4	1	211
IE	33	13	29	19	42	20	26	16	0	198
BE	18	11	34	15	26	9	20	8	1	142
FPE	32	2	23	8	7	9	12	7	0	100
Chem	26	4	18	6	16	6	9	5	1	91
Physics	17	8	14	9	11	5	4	2	0	70
HE	12	3	8	3	5	3	5	1	1	41
Biology	7	3	6	3	1	2	10	5	0	37
MetE	10	4	12	1	3	0	1	1	0	32
Math	6	0	4	3	4	3	4	4	0	28
Psy. & Ed.	1	1	4	2	2	4	3	1	0	18
English	2	0	2	0	6	2	2	0	0	14
PSS	2	0	4	0	1	1	2	1	0	11
Mech	3	2	1	0	0	1	2	1	0	10
Liberal Arts	0	1	2	1	1	0	0	1	1	7
Public Adm.	0	0	0	0	1	1	0	1	0	3
Unclassified	12	0	0	2	0	0	0	0	9	23
Totals	642	237	587	314	542	273	422	224	20	3261

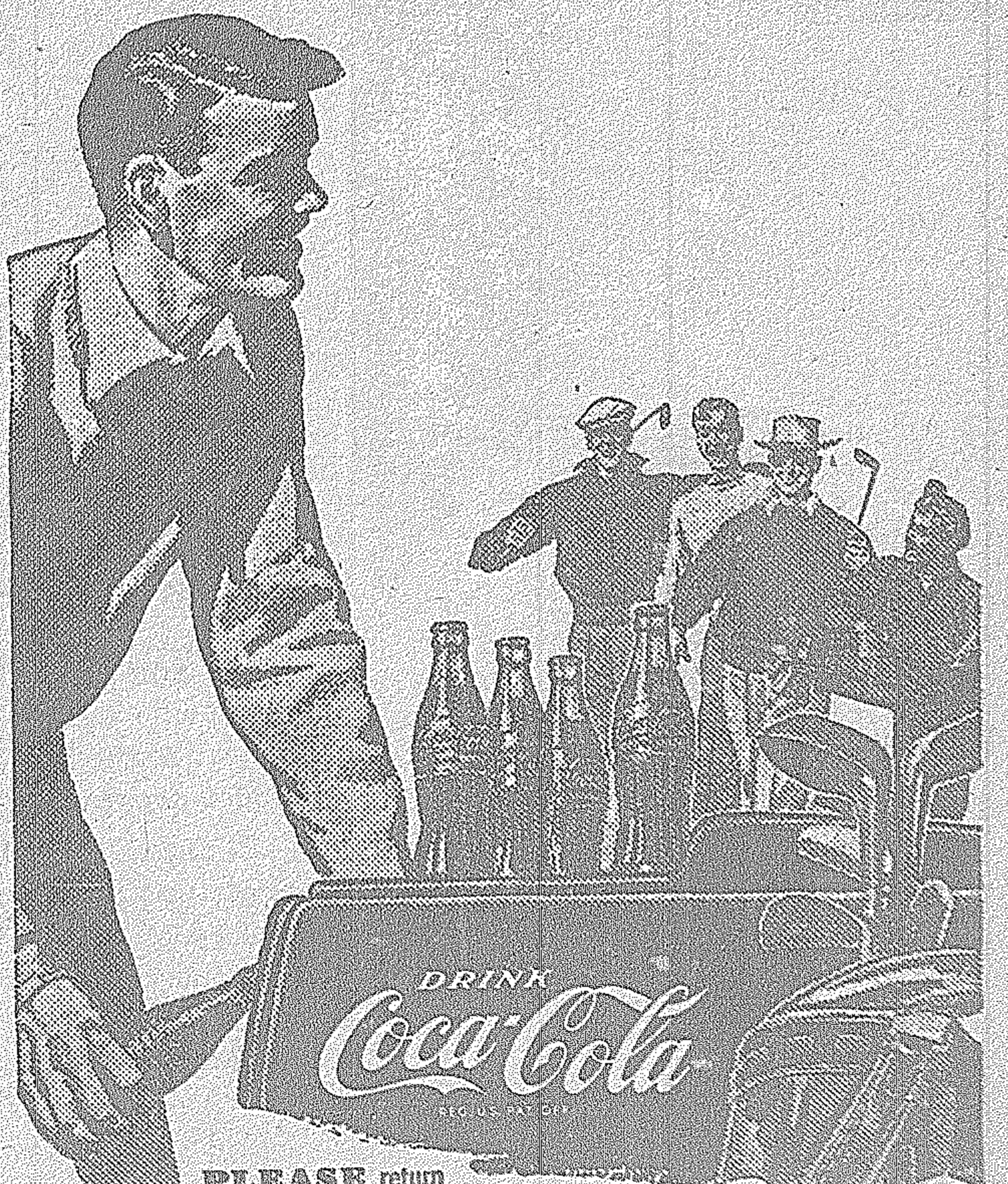
Graduate day students this term number 234. Evening school graduate students number 469, while undergraduate students in the evening division total 425. The overall day school enrollment is 3495 students, the overall evening school enrollment 4894, and the grand total number of students attending IIT both day and evening is 8389.

New Officers Elected By IIT Camera Club

An election of officers was held at Armour Eye's second meeting of the semester last Thursday. The following men took office: president, Werner Neoman; vice president, Warren Ferguson; and secretary-treasurer, Frank Cumpata. At this meeting, a color-night was announced for this evening, when members and prospective members will be given a chance to show their latest color transparencies.

Neuman announced that all students interested would be welcome at this meeting but that a limit of 10 slides would have to be imposed per person because of time limitations. Members are scheduled to meet in the North Union lobby at 5:15 p.m. to go to the dinner preceding the showing of slides.

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International Service Seminar Attended By Two IIT Students

Two students from Illinois Tech, George Phillip, graduate student from India and Jerry Delson, junior EE attended the International Service Seminar at Farragut College, Farragut, Idaho.

The seminar, sponsored by the American Friend Service Committee, was attended by 27 students from 13 countries that are attending American universities and colleges. Lectures and discussions were given for three hours in the morning and two hours in the evening by prominent professors of leading universities.

Varied subjects were discussed during the course of the seminar and, after intensive work, a final report was prepared for betterment of relations between the United States and Russia by work in the fields of economics, politics, and diplomacy.

At the final meeting a celebration was staged to commemorate the new independence of India. The students, dressed in Indian costumes, were fed and entertained by George Phillip.

Social life was also in effect during the time of the seminar, and recreation facilities were among the best.

The seminar at Farragut was one of seven sponsored by the American

Friend Service Committee from June 7 to August 16. Three were held in New England, two in the Middle West, one in the South West, and one on the West Coast.

Chess Club Practices For City Tournament

With an eye on the city chess league tournament on October 24, the Chess club held its first meeting October 3. Plans were made for a faculty-student match and a school checker tournament. At an election held during the meeting, Clarence Kalenian was elected president and Robert H. Herman secretary.

The first practice match of the season will be played Friday at Roosevelt college. Illinois Tech is expected to have a strong team since three of its members have made good showings in Illinois State Chess Tournament play.

ASME To Hear Talk By W. H. Oldacre

"Why Should I Belong to The ASME?" will be the subject of a talk by Mr. W. H. Oldacre of the D. A. Stuart Oil company.

"This talk is sponsored by the ASME and will be presented in the North Union auditorium next Tuesday at 11 a.m. All mechanical engineering students are invited," stated I. C. Hamilton, president. In addition Prof. S. E. Rusinoff, honorary chairman, will present a brief outline of the calendar of events for the society. Prominent among these will be one or more tours through industrial concerns, the showing of recent color films on manufacturing processes, and a list of prominent speakers.

All students will have an opportunity to join the Illinois Tech branch of the ASME at this meeting. In order to further facilitate enrollment, a stand will be set up in the North Union lobby this afternoon.

Membership cards and recent copies of the magazine "Mechanical Engineering" will be passed out at the Tuesday meeting. In addition a limited number of back copies of the magazine will be passed out free to non-members as a introductory action.

Robot At Work

A robot-like 830 pound monster in the South Union cafeteria has set students to guzzling soft drinks by the score just to see this mechanical marvel operate.

The machine contains everything from a charcoal-sand-gravel water filter to a temperature modulated float valve. It even has a "sterilamp" which is reputed to disinfect the drink with its ultraviolet radiations.

Tech hawk enthusiasts recently broke a south side drinking record by consuming over 990 Cokes from this red apparition in one day. Arrangements have been made for the installation of two more 1000 cup capacity machines which will be installed in the new gymnasium and the Chemistry building.

Seniors Will Take Finals

"Final examinations will be scheduled for all courses at the end of the semester, and all eighth semester seniors will be expected to take them. This applies to both the Engineering and Liberal Studies divisions," said Dean John D. Larkin in a recent statement.

This matter was considered by the Faculty Council and approved by a unanimous vote.

Volunteer Marines Seek Enlistments

Enlistments are being accepted for the Volunteer Marine Corps reserve in the Admissions office every Tuesday and Thursday evening from 7 to 9 p.m. by Mr. Warren S. Sivertsen, director of admissions.

Mr. Sivertsen, who holds a commission as major in the Marine Corps reserve, stressed that both civilians and former service men are being sought as part of the 5,000 enlistments needed from the Chicago area to fill the quota of 100,000 men the reserve must have by December 30.

Advantages of the Volunteer Marine Corps reserve are that longevity will be continued for future pay purposes; that there is the privilege, if desired, of taking two weeks a year active training with full pay and allowances; and that no physical examination is required. An enlistee can resign at any time and is subject to call to active duty only in time of national emergency. Former service men may enlist at a comparable rank to that held in other branches of service at time of discharge.

Don't miss Figskin Prophets contest.

See page 6.

Members Sought By SAM

A drive for new members has been launched by the Society for the Advancement of Management. Applications may now be procured in the Industrial Engineering office, room 118C. A representative of the organization will also be on hand to collect dues between 11 a.m. and 12 p.m. every weekday.

Members of the SAM, at their first meeting of the semester last Monday, heard Mr. W. R. William, management consultant, speak on the "History of the Taylor Society" connected with the Taylor System of Management.

Community Chest

Continued from page 1

the school will qualify for the 1947 Employee Merit Award which is given to any organization where 85% or more of the employees pledge a contribution to the fund.

A total of 192 charitable, health, and welfare organizations in Chicago will share in the proceeds of the \$7,700,000 goal set for Chicago in this year's campaign. Among the recipients of funds are such noteworthy projects as medical care for the needy, including visiting nurses, clinics, and hospitals; community centers; nurseries; family counseling; adult education; orphanages; boys' clubs; assistance to the deaf, blind, and crippled; help for families in difficult or unusual situations; children in need of foster homes; the Hull House; YMCA; CYO; Boy Scouts; Cathedral Shelter for Homeless Men; Jewish Charities of Chicago; Salvation Army; Lutheran Charities; and many others.

Moving pictures explaining where and how the money contributed is to be spent will be shown during the drive to acquaint students, faculty, and employees with the problems facing the Community Chest during the coming year.

Mentioning the fact that Illinois Tech has exceeded its quota for the past two years, Prof. H. C. Spencer, general chairman of the program at IIT said, "No person can call himself a good citizen unless he is willing to help finance these activities which aid good citizenship."

Emphasizing that each and every student is being asked to give something with the thought in mind that it is the spirit back of the giving that counts and not the amount given, Carol Moses says, "We must realize that since we have a share in the benefits of such humanitarian enterprises, each of us has a share in the responsibilities which these projects entail."

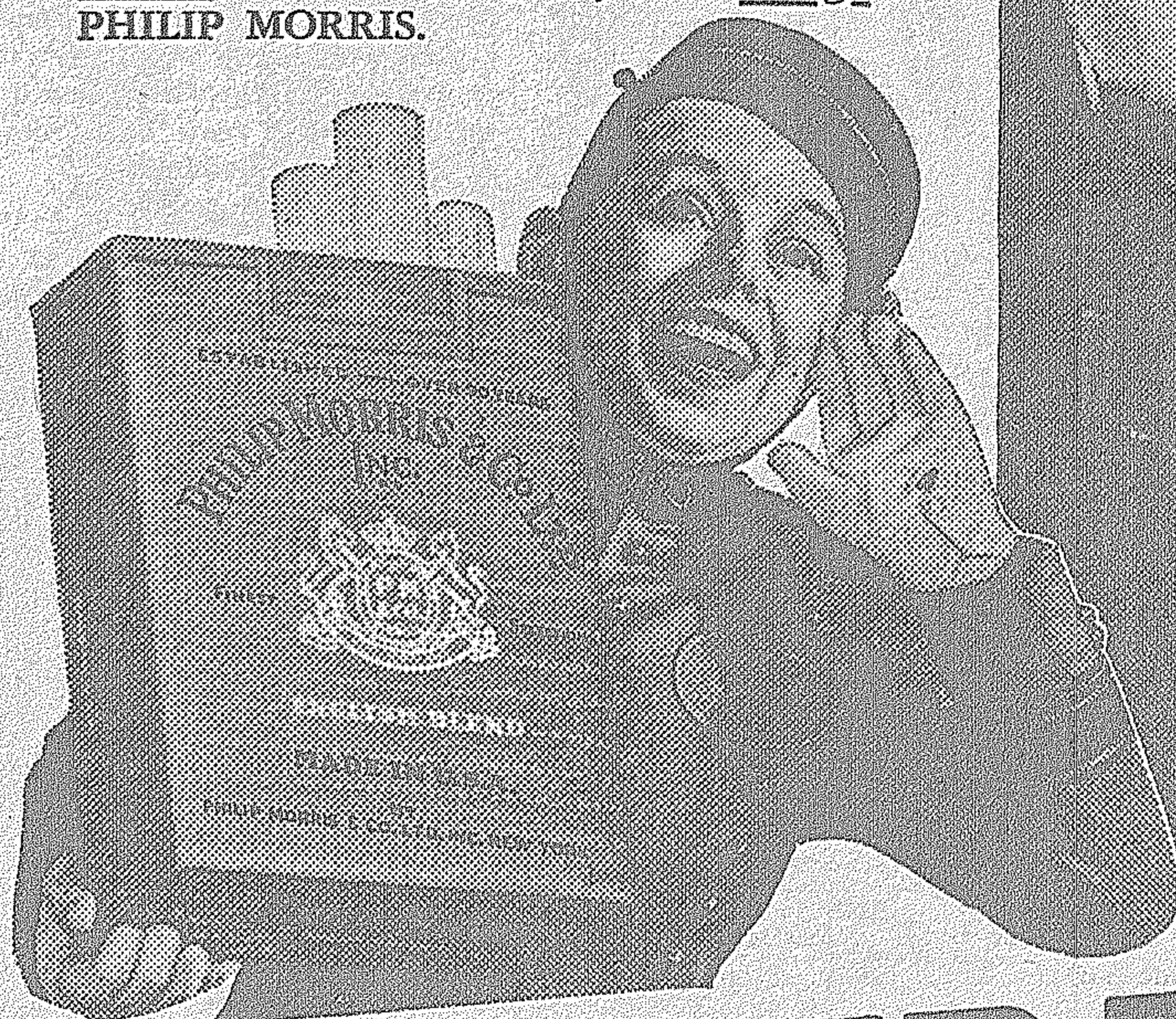
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Get
together

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Junior Gremlins Win IM Football Opener

Pigskin Prophets Huge Success

Number Of Entries Forces Rule Change

By Jim Wangersheim

Were we surprised!!! In fact, we were overwhelmed, but we love it. The first week's response to the "Pigskin Prophets" grid doping contests was more than gratifying, with more than 250 entries squeezing in under the 3:00 p.m. deadline.

In order to cope with the ever increasing number of entries, the judges and the contest board have decided to inaugurate several major changes in the rules. The most important change eliminates the picking of actual scores in all but two of the games. All that will be necessary is to determine the winner of these tilts.

Secondly, the deadline has been extended to 5:00 p.m. Friday, in order to permit late comers to post their entries. This will also allow the more inexperienced dopesters to consult the metropolitan sport sheets to back their predictions.

Unfortunately, since the paper goes to press Friday, and the games are not played until Saturday, it will be impossible to publish the results of the October 11th contest in this issue. Starting with next week's edition, the winners of the preceding week will be announced.

Since we enjoyed such tremendous success in sticking our neck out last week, we think we can get away with it again. Now all that will be necessary to walk off with those cartons of Chesterfield cigarettes is to copy our choices....As long as it isn't Thursday, even we can lay an egg, so here we go....cackle, cackle.

Taking them in order, (Minnesota at Illinois) The Illini have returned from their tour, and will settle down to the serious business of protecting that Big Nine Title. Bernie Bierman's Single Wing lacks the power to cope with their versatile "T". (Pittsburgh at Indiana) Poor Pitt. ... Illinois ... Notre Dame ... Michigan ... and now Indiana. By next week, they would be a setup for Illinois Tech. (Michigan at Northwestern) The Wolverines launch their campaign to dethrone Illinois at Big Nine Champions, but the Wildcats would like to play "spoilers" again. (Nebraska at Notre Dame) Roll out the adding machines, as Leahy has no sympathy for the Cornhuskers. When are the Irish gonna get a tough opponent. (Iowa State at Michigan State) "Biggie" Munn should look good in this one. (Columbia at Penn. U.) Ivy League title on the block, but we'll stick with the Quackers to retain it.

Pigskin Prophets

1. Pick the winning team in the first 10 games, and the probable scores in the remaining two.
2. 1st Prize, Two cartons of cigarettes. 2nd Prize, 1 carton of Chesterfields, and 1 pack of Chesterfields for the next 10 best entries.
3. All entries must be in Technology News Box by 5 p.m. Friday afternoon. You may submit as many entries as you wish. Technology News staff ineligible.
4. In case of tie, insert "T" in both spaces.

Probable Scores

1. Minnesota () at Illinois ()
2. Pittsburgh () at Indiana ()
3. Mich. () at Northwestern ()
4. Nehr. () at Notre Dame ()
5. Ia. State () at Mich. State ()
6. Columbia () at Penn. U. ()
7. Ky. () at Vanderbilt ()
8. North Carolina () at William and Mary ()
9. Oregon State () at Southern California ()
10. Rice () at So. Methodist ()
11. Iowa () at Ohio State ()
12. Texas U. () at Arkansas ()

Name..... Dept.....
Phone

Sports Personality Of The Week

By Ben Sutton

Julian Snyder

Modest, unassuming Julian Snyder is the wrestling team's number one prospect in the 136 pound division.

Julies began his wrestling career while at student at Lane Technical High School. He was a major letter winner, and when he entered IIT in March of 1946 he immediately set out to win an I. He gained that objective last year with a season that was highlighted when he reached the semi-finals of the Wheaton Invitational Tournament.

Snyder is only 19 years old, but is already a junior civil engineer. His plans for the future are still in the unsettled stage, but he is considering getting a degree in psychology after he receives his bachelor's in CE.

Next to wrestling, his favorite pastime is doing gymnastics. He is a member of Honor I, and actively participates in the affairs of his fraternity, SAM. Although he does not schedule many dates, he is fond of the fair sex and is in favor of the short skirt.

Tankmen Looking To Promising Season

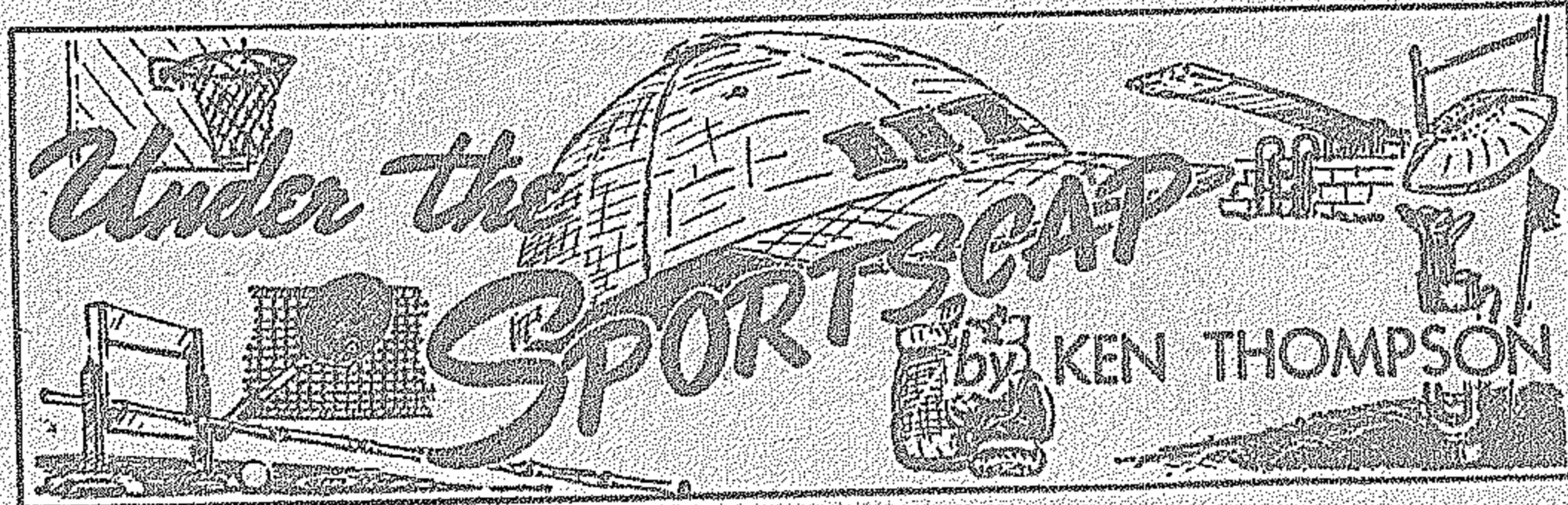
Coach John Ahern spoke optimistically about the coming season to thirty-one swimmers who turned out in force at the meeting last Thursday. Most of these 31 swimmers were new and several freshmen were included among them. Having these freshmen out is a good sign as strong future teams are built around them. Coach Ahern said that he will build this season's team from scratch as last season's star swimmers have been lost to the team. Letterman Ray Klitzki will head the divers.

The tankmen will practice Monday, Tuesday, and Thursday at 5 p.m. in Valentine Boys' Club pool, 3400 S. Emerald Ave. The pool can be reached by street car in a short while. It is straight west of the school, one block past Union ave.

Any swimmers unable to be there at those times, are urged to contact the coach, John Ahern of the Fire Protection Engineering department and additional practice schedules can possibly be arranged.

Sophs Challenge Frosh To Football Game

The Sophomore Class has challenged the Freshman class to a touch football game to be played in the latter part of October. Anyone interested in participating is urged to see either Ray Van Zelst, Frosh President, or Bob Jonelis, Soph President, or report when practice sessions are held. Further announcements will be placed on the Intramural bulletin board in the lobby of the North Student Union and will also appear in Technology News.



The lockers in the gym have been renovated and are now ready for assignment. Anybody desiring one should contact Mr. Stenger in the gymnasium office.

For the information of the new men on campus no one is allowed to wear letters won at other schools on campus. The sweaters may be worn but the letters must be removed. Honor I is empowered to enforce this regulation in the manner most suitable to the situation.

Towels are being furnished for all athletes and gym students this semester. Messrs. Schommer and Spaeth are responsible for the change. All that is necessary to make the change a permanent one is a little student cooperation in returning the towels after use. I'm sure we can do it.

Anyone interested in managing their class football team should contact their respective class presidents.

It looks as some action is being taken on Tech's conference hopes. John Schommer will attend a "conference" meeting at Concordia tomorrow.



Backfield in Motion. Eric Rongren starts end sweep with Dick Baldwin blocking as intramural football gets underway.

Tech Football Hopes Surge As Team Practices On Ogden Field

Tech's football hopes surged anew last Thursday when a football team, resplendent in crimson jerseys, went through a practice session on Ogden Field.

The steady flow of students to and from the new school buildings suddenly halted. Busy people in the offices of the Armour Research Foundation and the North Union building set aside their work. Passersby, who were accustomed to the autumnal dullness of Ogden "Touchball" Field, paused.

Was it a mirage? Had the impossible occurred? One of the more courageous—or more curious—on-lookers sidled up to a heavily padded individual and asked the all important question. As he heard the answer the light of hope that had shone in his eyes softly dimmed. He retreated to the sidelines where, still entranced, he watched the pigskin practice.

The team was the "Big Red" of Dennison University. They were traveling from their hometown—appropriately named Dennison, Ohio—to Beloit where they were scheduled to play a game with the Beloit University team.

The crowd stood by to watch as long as red and orange gridders ran through their plays.

For two hours they entertained the enthralled spectators with a "scat-back" version of the "T" formation. Finally the last weary player trudged off to the shower room, ending the fable of a Techawk football team.

College Wrestling Is Sport, Not Show

Unlike professional wrestlers, who are paid a straight weekly salary for their services, win, lose or draw, college wrestlers meet to compete, not to "entertain" the public. In practically all American colleges, including IIT, the Matman must win at least half of his matches to win a major letter in wrestling.

As in boxing, the bouts are run according to the weights of the contestants. These are 121 lbs., 128, 136, 145, 155, 165, 175, and heavyweight. Immediately preceding each meet all the contestants "weigh in". Those over the required weight forfeit their match while any amount under does not matter. This enables a good wrestler to wrestle in another, heavier weight class when a better man on his team beats him out of first string position.

The wrestling mat is the same as the standard 18 by 18 boxing mat, but a cover of soft, closely-woven cloth is fitted over it. This cover seduces mat burns, the occupational injury of wrestlers, and may be washed more easily than a mat. This helps to prevent infection in case of injury. The wrestling mat is not on a raised platform as a boxing ring but rests directly on the floor, mats surrounding it in case the contestants roll off the mats.

Within this setting the "grunt and groan" championships are determined.

Bowling Standings

	Won	Lost
1. Cid's Kids.....	6	3
2. Do Nots.....	6	3
3. Safety Pins.....	5	4
4. Acorns.....	4	5
5. Gutterhits.....	4	5
6. Have Nots.....	4	5
7. Missalots.....	3	5
8. Wizards.....	3	5
High team game—Gutterhits, 860		
High team series—Do Nots, 2518		
High individual—Chuck Trost, 228		
High individual series—Churk Trost, 580		

Senior Mech Outfit Scores Two Victories

Volleyball Tourney

Awaits Entries From

Techmen And Women

By Larry Shapiro

Intramural football got off to a flying start on Tuesday, October 7 when the Junior Gremlins and Frosh Independents clashed on Ogden Field; the Gremlins coming out ahead by two touchdowns. A fine response to our request for entries has seen 16 hardy well-balanced squads, ready to battle a showdown, enter the meet.

The tourney has been divided into two distinct leagues, naturally, named the American and National. Since there is no team named Yankees present championship is still up for grabs!

Each league is composed of eight teams and an effort will be made to have each one of the teams play 12 games. This unprecedented amount of contests will force the participants to work off some of that excess suet picked up over a long period of inactivity.

NEW METHODS

Another new ovation of Coach Glancy's is the method in which this tournament is to be decided. The outdated single and double eliminations have been by-passed for a sharper method. All squads are rated on a percentage basis determined by dividing the number of games won by the total number played. Each league will be considered apart from the other with the two leaders meeting in the championship game sometime in November.

Officiating in the contest to date has been of the "professional" caliber promised in this column with the paid umpires doing a stellar job.

The leading teams in the American and National leagues at the end of the first week as we start pressward are: in the American League, the Senior Mechs with two victories, the Chem. Eng. Grads and Frosh Fire Protects with one victory; and in the rival National organization, the Junior Gremlins and Junior Mechs with 1-0 records while the Senior Juicers have a victory and a loss to rank third.

Opening excitement was provided by the Junior Gremlins as they topped the Frosh Independents 12-0. Shifty little Harry "The Arm" Marcado's bullet like left-handed tosses to fast moving Ray Bulka tallied twice for all of the game's scoring.

In the second game of the day the smooth working Senior Mechs trounced the Senior Electricals 32-6. A white washing was administered by the Frosh Fire Protects to Atwood's Engineers 12-0. Two long passes from Wes Ooms to Dick Nicko brought victory to the 'Firemen' and brought forth still another hot passing duo.

The Chem. Eng. Grads scored a tight 6-0 win over a battling Senior Fire Protect outfit with a Dave Levinson—Moose' Lichtmann aerial providing the punch.

Friday's contests saw the Senior Mechs and Senior Juicers rack up 18-0 and 6-0 counts against Atwood's Engineers and the Senior Archers, respectively.

VOLLEYBALL

Volleyball enthusiasts are heartily urged to gather together any eight fellows and report to Ed Glancy at the gym. As soon as there are four teams organized play will be started during the two weekly free periods. A quick appraisal of the situation brings to light a pertinent fact! If the women of Illinois Tech evince enough interest to get up four teams they can have their own volleyball league. How about it, ladies?

Curriculum Changes Announced For Chemical Engineering Dept.

With an eye toward turning out better chemical engineers, more thoroughly trained in the tools of their profession, Dr. John Henry Rushton, recently appointed chairman of the department, announced changes in the curriculum for this semester

PSS Dept. Broadens Teaching Program

The department of political and social science is now engaged in broadening its teaching and research programs and putting particular emphasis on public administration, according to its director, Prof. Herbert A. Simon. "Instruction in the department will follow the needs of engineers who wish to enter public service," said Professor Simon.

Besides the development of the teaching program, the faculty is also working on various research projects. Assistant Professor Smithburg is examining the responsibility of the administration to the legislature and public in a democracy. Assistant Professor Thompson is now studying the regulatory process in government agencies, and Professor Simon is at work on a study of the principles of administrative organization.

All-Fraternity Average Is Highest In School

The final tabulation of class averages shows Sigma Alpha Mu as winner of the fraternity scholarship cup with an average of 1.91. Triangle was runner-up with 1.75 and Theta Xi came in third with an average of 1.74. The all-fraternity average was 1.58 which was high enough to beat other organizations in the school. The veterans were next with 1.53 and the non-veterans trailed with 1.46.

At the first meeting of the Interfraternity Council Frank Bagamery, of Delta Tau Delta, was elected president. Plans are being made by the social chairmen of each fraternity to hold an IFC smoker. As yet no date has been set.

Pledging, which was stopped about two weeks ago, was resumed last Monday. Those who are interested in getting into a fraternity, and have not as yet been pledged, now have another chance.

ITSA Seeks 1948 Junior Week Committeemen

"Applications for the position of Junior Week chairman and assistant chairman are being sought by the ITSA," announced Don Ennis, president of the Junior class.

Although the annual week of festivities does not take place until next spring, preparations must start within the next month, he said. The application should include a brief explanation of the reasons for desiring the position, a general outline of pertinent ideas for Junior Week, and any qualifications the applicant feels he possesses.

Ennis said that the program for Junior Week will be somewhat different this year. Increased participation is being sought from the student body as a whole in proportion to the events planned by fraternities, who normally carry more than their share of the load, he continued.

Spaeth Shows IIT's Plans

"Many of the students at Illinois Tech are unaware of the extent of the building program now going on and of the future plans of IIT," said Mr. Raymond J. Spaeth, Institute treasures.

For this reason an all-school assembly will be held on Tuesday, October 28, from 11 to 12 o'clock. Mr. Spaeth will give a lecture on the present and future plans of IIT. His talk will be supplemented by colored slides of the new buildings and of the buildings to be put up in the future. It is the same type of lecture that was previously given to all employees of the institute.

to include courses in chemical engineering thermodynamics, process equipment design, and chemical plant design. Other changes that have been made include a revision of engineering stoichiometry and the removal of one year of German as a required course.

The course in process equipment design deals with strength of materials and mechanics used in the designing of equipment used in the chemical industry. The design of equipment, and layout of chemical plants are taught in plant design courses.

The chemical engineering courses consist of two subdivisions: the unit operations, dealing with physical operations such as heat transfer, evaporation, etc., taught in the third year, and unit processes, consisting of the actual chemical operations, taught in the second, third, and fourth years. In the fourth year, plant design and research courses are conducted to integrate the two phases.

The course in stoichiometry formerly a part of the third year process course, is being introduced in the sophomore year, and deals with fuels, combustion, and energy and materials balances. The lab consists mostly of calculations with about one-fourth of the time spent in the chemical engineering laboratory.

New Public Opinion Club To Organize; All Students Invited To First Meeting

Ever since the disbanding of the Forum Club, several semesters ago, Illinois Tech has been in need of an organization for students who are interested in meeting together to discuss the problems of the present day. Such an organization is the Public Opinion club, now being organized on the campus. All students are invited to attend its first meeting which will be held tomorrow from 11:00 a.m. to 12:00 noon in 108 Chapin.

Prominent speakers from this and other campuses will be invited from time to time to take part in this club's meetings by giving lectures, and answering questions of the students on social, political, and economic problems of national and international importance.

At its first meeting, a committee will be nominated to draw up a formal constitution and a general plan for the activities of the coming semester, will be presented for consideration of those present.

Permission for the first meeting has been obtained from Dean of Students, John F. White, who has expressed his favor and approval

New Study Space Ready;—More Lockers Too!

"In order to ease its present overcrowded studying facilities, Illinois Tech has made new space available in the basement of the Chemistry building. This will now provide room for studying at both ends of the campus," said Mr. Gilbert A. Force, business manager of IIT. He added, "The room has the usual facilities, such as tables, chairs, coke and candy machines." In order to ease the locker shortage on the campus 139 new lockers have been made available to juniors and seniors.

Employment for Wives of Students at Illinois Tech . . .

Good jobs for you as stenographers, typists, cashiers, accounting juniors, accounting clerks, office machine operators, cafeteria waitresses and servers.

Advantages of employment at Illinois Tech are half-rate tuition, participation in campus activity, good transportation, low cafeteria prices, and campus atmosphere.

Interested wives should contact Mr. Jasker, 2nd floor, Student Union.



Del Rene, with his clarinet and orchestra, will furnish the delightful rhythm for you and yours at the coming Integral Ball. See story on page one.

Music Department Elects New Officers

In preparation for their full program of events this term, the musical clubs held election of officers last week.

R. A. Boerke was chosen president of the orchestra; S. Terranova, vice president; J. Huc, librarian, and R. W. Smith, manager.

The Glee club elected Norman Kenny, president; Leo Polivka, vice president; George Brooks, secretary; and Robert Sharding, librarian.

Friday evening R. W. Smith was elected president of the band; R. A. Boerke, vice president; E. F. Petz, secretary; and Charles Kohler, manager.

Plans are now being made for the first performance this semester, to be held November 16, as a preview to the trip to the Allis Chalmers plant.

IIT Will Hear Aims Of NSA

Illinois Tech students now have the opportunity to hear the aims and purposes of the National Student Association explained by the national officers of the organization.

An assembly to be held in the North Union auditorium this Thursday at 11 a.m. will feature the following speakers: Bill Welsh, Berea college, Kentucky, president; Ralph Dunga, St. Joseph's college, Pennsylvania, vice president; and Janis Tremper, Rockford college, Illinois, secretary.

Seven schools in the Chicago area including IIT, are sponsoring the visit of this group of students to familiarize the students with NSA programs and policies. The Illinois Tech NSA representatives will be in charge of the assembly and will answer any queries that may arise from the student body.

Frosh Frolic Successful

The first undergraduate event of the season, the Frosh Frolic entertained over 200 guests last Wednesday night. President of the freshman class, Ray Van Zelst, termed the affair a success.

Performing at the event last Wednesday, were Jim Wangersheim at the piano; Tucker Matzek, the magician; and Al Malis' eight piece band.

News Staff To Hear Talk By J. W. Armsey

"Lead Writing" will be the topic of a talk by Mr. James W. Armsey, public relations director of IIT, at an informal seminar to be held tomorrow from 11 to 12 a.m. in room 111, TB1.

This is the second of a series of informal meetings of an extra-curricular nature offered to members of the *Technology News* staff.

Since the journalism classes have been discontinued this is the only way new members have to improve their writing and the Managing Board urges all to attend.

Dr. Menger To Address Mathematics Seminar

Dr. Karl Menger, Professor of mathematics at IIT, will address a mathematics research seminar today in room 116A at 3:10 p.m. Dr. Menger will speak on the subject "The Role of Triangle Inequality in Vector Spaces." His sub-topic will be "Exposition of the Classical Theory." After the meeting coffee will be served in room 200A.

On Wednesday, October 27, Dr. Menger will give the second part of his topic entitled "A Theory of Generalized Vector Spaces." Similar seminars will be held every other week throughout the semester.

"About 50 years before you were born—back in 1877—I started making telephone equipment for the nation.

"As the manufacturing and supply member of the Bell Telephone team, I've *always* had a lot to do with making your service the world's best—at the lowest possible cost.

"The close teamwork made possible by my being a part of the Bell System was never more important than today—in helping to meet record demands for telephone service.

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EIGHT— Professor Roesch Terminates Service

Daniel Roesch, professor of automotive engineering, has announced his retirement after 36 years service at Armour Institute and Illinois Institute of Technology.

"Diesel Dan," as he was known to his students, was born in Aurora, Illinois, in 1882 and attended Armour Institute, receiving his BS in 1904 and MS in 1908. After graduation Mr. Roesch worked in the automotive division of the Washington Machine Co. and later served as chief engineer of the municipal power plant in Lorain, Ohio, before joining Armour Institute faculty in 1911.

After coming to the Armour staff Mr. Roesch was placed in charge of the strength of materials laboratory as instructor of experimental engineering. After three years in this capacity he was transferred to his real interest, the automotive engineering department, where he rose to the rank of full professor.

Professor Roesch has been very active in engineering and industrial work. He has authored many books and theses on diesel operation and research, engine classification, aircraft engines, and wind tunnels. In addition he has invented several laboratory testing devices dealing with the auto fuels and ignition, and was one of the first men to determine comparatively the anti-knock qualities of fuels.

In addition to being pledged to three honoraries, PI Tau Sigma, Tau Beta Pi and Phi Pi Phi, Professor Roesch has served as honorary chairman of the student branch of the ASME and is an active member of the ASME, SPEE, and SAE.

AICHE Welcomes New Members Tomorrow Night

"A formal welcome will be extended to the new members of the AICHE tomorrow evening at 7:00 p.m. when the organization holds its smoker in the North Union lounge," announced John Coopersmith, president.

The smoker will not only serve as a means to acquaint old members with newcomers but will also give interested students who couldn't attend the meeting last Thursday another chance to join. Movies and other entertainment are planned and refreshments will be served.

Ralph Hoffberg was promoted from assistant treasurer to treasurer and Albert Miehle was unanimously elected to fill the vacancy at the meeting last week.

TECH TIMETABLE

Items appearing in the Tech Timetable are those which have been scheduled with the Dean of Student's office.

WEDNESDAY, OCTOBER 15

Pan-Hellenic council, 5 p.m., 102, 105, 108, 111, 114C
Newman Club, 7:30 p.m., North Union auditorium and lounge
Alpha Chi Sigma, 5 p.m., 405 M

THURSDAY, OCTOBER 16

Technology News staff meeting—11 a.m. 111B
ITV, 11 a.m., 111C
AICHE Smoker, 7 p.m., North Union
NSA, 11 a.m., CB aud.
Radio Club, 11 a.m., 105C
Dramatech, 11 a.m., 102C
Club of Public Opinion, 11 a.m., 108C
Glee Club, 5:15 p.m., North Union auditorium.

FRIDAY, OCTOBER 17

Sigma Kappa, 6-9 p.m., North Union lounge
Pi Tau Sigma, 5:30 p.m., CB auditorium
Band, 5:15 p.m., North Union auditorium
Chess Club, 4 p.m., South Union
Alpha Chi Omega, 9-12 p.m., North Union lounge

SATURDAY, OCTOBER 18

Integral Ball, Sherman Hotel

TUESDAY, OCTOBER 21

ASME, 11 a.m., North Union auditorium
Orch., 5:15 p.m., North Union auditorium
Pi Delta Epsilon, 11 a.m., Technology News Office

Friedlen Speaks Tomorrow

Don M. Friedlen will speak on "Elementary Group Functions" at the Math club meeting tomorrow in room 105C at 11 a.m.

Jack M. Miller, program chairman of the club, plans to alternate student and faculty speakers during the semester. "Those interested in mathematics will find the meetings stimulating," said Miller.

Dramatech Reorganizes After Year's Dormancy

Dramatech, Illinois Tech's drama club, after being dormant for several semesters, will reorganize tomorrow at 11:00 a.m. in room 102C. Dr. Howard P. Vincent of the Illinois Tech English department, will be present to tell the members what they may expect in the way of help from his department. This assistance

will depend on the interest in the organization shown by the students.

Dramatech will also discuss the possibilities of having a course in drama offered at Illinois Tech. Dr. Vincent believes that an organization of this sort is a very necessary part of extra-curricular activity.

The last play given by Dramatech was "Out of the Frying Pan," presented during Junior Week of 1946.

Report For Photos

All seniors are urged to report to the Integral office to arrange an appointment with the photographer so that their picture can be included in the coming year book. The Integral office, located in the South Union, will be open from 10 a.m. to 2 p.m. starting today.

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KNOW CHESTERFIELD
IS MY BRAND"

Rita Hayworth

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