

Baking babes labor long for Kookie Krunch

Bringing a new keynote, Kappa Kewpies Kookie Krunch introduces for this year the campus renowned cookie sales. Competition runs high among the sorority members of Kappa Phi Delta, for in addition to selling those tasty morsels known as cookies, they are also testing their culinary ability to the utmost for a prize is being offered to the girl whose tempting and palatable delicacies are voted and judged supreme. All persons making purchases at the Kookie Krunch tomorrow at 11:00 a.m. are automatically eligible to vote on the delicacy which they deem most delectable.

The identity of the entrants whose delicacies will be sold will remain a secret until the final ballots have been counted. If you wish to partake of the tasty tidbits, you may purchase them in the liberal arts lobby from 11:00 to 7. Don't forget to vote.

Eisenschiml speaks at chem meeting

Last Thursday evening, December 3, a very successful smoker was held by the chemistry and chemical engineering students and faculty members in the Student Union auditorium. The smoker was sponsored by the American Institute of Chemical Engineering, Phi Lambda Upsilon, Alpha Chi Sigma and the Lewis Chemical Society.

The meeting beginning at 7:30 p.m. featured as the principal speaker, Dr. Otto Eisenschiml of the Scientific Oil Compounding Company. Dr. Eisenschiml, a chemical engineer, is the author of several books about Abraham Lincoln. His talk was on his latest book "Without Fame" a story about scientists and engineers and their work.

Other speakers were Dr. Supple, professor of chemistry at Lewis, and Professor McCormack, head of the chemical engineering department at Armour college.

Tech timetable

Monday—December 7
2:00—ITSA meeting in Faculty Grill
6:30—Pi Tau Sigma banquet, Knickerbocker Hotel
Tuesday—December 8
2:00—Tech News meeting—Lewis
Wednesday—December 9
11:00-2:00—Kappa Kewpies Kookie Krunch, second floor lobby, Lewis
6:30—Interhonorary Banquet, Downtown
Thursday—December 10
Glee Club will sing at Rotary Club in Rockford, Illinois
10:00—Home Economics Club meeting, Apartment
Friday—December 11
10:10—ASME meeting—305 Main
10:10—ASCE meeting—202 Main
10:10—FPSE meeting—U2W
Tuesday—December 15
5:10—SUBC, Faculty Grill

IIT polls songs

Fred Waring, popular band leader, has been honoring men in the armed services on his radio broadcasts by playing their favorite songs.

An army camp, naval station, college training men essential to the war effort, or other similar group is chosen for each of these special programs. The songs featured are those submitted by the men at the particular camp, station, or college.

A poll of the favorite songs of IIT students is being taken at Armour college and on the Lewis campus this week. The results will be sent to Fred Waring and we hope IIT will be honored on one of his programs.

IIT POLL OF POPULAR SONGS
First Choice
2)
3)
4)
5)
6)
7)
Sign your name please.

Clarify Honor System

During the past two weeks, the Honor System at Armour has been in operation. During this period cases have arisen and have been dealt with in a suitable manner. Much misunderstanding and opposition is prevalent as a result of the misinterpretation of the details of its everyday functions. This column has been instituted to apprehend these erroneous viewpoints, to answer any pertinent questions and to report some of the aid rendered by the Honor Board. Please send any and all questions pertaining to the Honor Code to this department in care of the TECHNOLOGY NEWS.

Question: Should the instructor stay in the room during a quiz?

Answer: Inasmuch as the students are aware of the Honor Code, it is not necessary for an instructor to remain in the room during a quiz. It is recommended however that he make an appearance at the half-hour and at the three-quarter hour to explain any doubtful or ambiguous questions of the quiz. At the beginning of the quiz, the instructor should read aloud the questions and explain just what is desired.

Question: What seating arrangements are sanctioned under the Honor System? Are alternate quizzes in keeping with the spirit of the Honor Code?

Answer: Dean Peebles, in commenting on this question, remarked, "Under a novel system such as this, though it is laudable and commendable in its entirety, there is a natural resistance by the people who

Komarewsky speaks on synthetic rubber at Sigma Xi assembly

Strip off those snowshoes for the Christmas dance

"I got spurs that jingle, jangle, jingle, I got spurs that jingle all the day." Yes indeed! Saturday, December 19th. I'm putting on my spurs, jumping on old Bill, my pinto pony, and heading for the Christmas dance down at dear old Student Union on the Armour campus. This will be stuffed with excitement from one end of the day to the other.

Do you like wild westerns? Hmm? Well do you like sitting in the dark? HMMM. Either way we have it! Oh, dancing? Yes! This is the Christmas dance and as this issue of the TECHNOLOGY NEWS goes to press and due to war difficulties all plans have not been terminated and the "undecided" orchestra will be disclosed tomorrow when the bids will be brought forth to the public.

Decorations galore are being planned by the camouflage committee and it will really set you "dreaming of a white Christmas." The entire building will be wide open. In the lounge you may sit by ye fireplace with your one and only and—well that's up to you! Since red and green are the Christmas colors and since mistletoe is red and green, be it only proper we use it?

Mistletoe red and green? Well, we'll use red ribbons.

The cafeteria will be ready and willing to serve all and the cloak room will guard all mink and ermine wraps. Special police protection will be made for the evening of the dance.

The auditorium itself will be extra super and if the weather permits maybe even Santa will attend. We just got the report that Santa Claus has been captured by the Axis but Superman is on his way to get him back for the evening. So don't give up hope!

The first thing to do before you're free for the week-end is to rush into the student union and grab a bid, then make the phone call—she can't refuse you then.

Finances? Each bid will add but 75c to your Christmas expenses and here you will begin to get in that jovial Christmas spirit. "And then to each and every member of the faculty and student body who sells ten bids goes one free bid."

Welding foundation inaugurates \$6,750 award program

The James F. Lincoln Arc Welding Foundation of Cleveland, Ohio, sponsor of the 1937-38 and 1940-42 nation wide \$200,000 arc welding award programs, today announced its first award program in the field of undergraduate engineering study.

The awards will be made for papers describing the conversion from other methods to arc welded construction of parts of machines, complete machines, trusses, girders or structural parts. The program offers \$5000 in student awards and \$1750 in scholarships for the departments of the institutions in which the award-winning students are registered.

There are 77 student awards—a first award of \$1,000, second of \$500, third of \$250, four awards of \$150, eight of \$100, twelve of \$50 and fifty of \$25. There are seven scholarships of \$250 each. The school of the first award winner will receive four scholarships totaling \$1,000; the school of the second winner will receive two scholarships totaling \$500; and the school of the third winner will receive one scholarship of \$250.

Any undergraduate engineering student in any college giving courses in any branch of engineering or architecture, leading to a degree is eligible.

Further details of the \$6,750 Annual Engineering Undergraduate Award and Scholarship Program may be obtained by writing The James F. Lincoln Arc Welding Foundation, P.O. Box 5723, Cleveland, Ohio.

Dr. Vasili Komarewsky, Professor of Chemistry at Illinois Tech, will be the feature speaker at the next meeting of Sigma Xi, Wednesday, December 9, 1942 at 8:00 p.m. in the Student Union. The subject of Dr. Komarewsky's lecture is "The Scientific History of Synthetic Rubber," and the public is invited to attend. Admission is free. A dinner before the lecture will be served at 6:30 p.m., price \$1.50.

Dr. Komarewsky is a graduate of the University of Moscow and is one of the outstanding chemists of our times. Before joining the faculty of IIT and the Armour Research Foundation, he was connected with the Kaiser Wilhelm Institute of Berlin and the Universal Oil Products Company. He is the author of more than thirty publications in chemistry, and his inventions are covered by fifty patents. His latest work is in connection with new methods for Butadiene production, an important link in the manufacture of synthetic rubber.

Trains may stop at 35th

The Chicago, Rock Island, and Pacific railway is considering the possibility of stopping trains in the vicinity of 35th street.

Students living south or southwest will be able to use this transportation.

Students interested are requested to please sign the petition in the office of Mr. Raymond J. Spaeth, the school treasurer, or the petition in the lobby of the Student Union. The railroad has requested some evidence of the demand for this service. This evidence can be provided by means of the petition.

This plan, if adopted, would offer speedy and convenient transportation of a number of students and faculty as well as to persons working in this vicinity and at the Stock yards.

Tau Beta Pi initiates 16

Sixteen pledges were initiated into Tau Beta Pi, National Honorary Engineering fraternity, at the initiation banquet held Wednesday, December 2 at the University club. Six seniors, three co-ops, five juniors, Professor Stanton E. Winston of the mechanical engineering department and Mr. F. H. Lane, Lewis Institute graduate, ME '04, comprised the initiates.

After the formal initiation of the pledges, the men attended a banquet at the club. President Henry T. Heald, Dean James C. Peebles, professors from the various departments who are members of the organization, four graduate students, and a Purdue graduate and member were present.

Principal speaker of the evening was President Heald. In his speech,

(See TAU BETA on page 3)

Schedule changes planned to facilitate war program

In all probability, there will be a great many changes brought about during the beginning of next year, according to Dean Peebles. Illinois Institute of Technology will see a greater and more accelerated program in the form of a three semester year and a greater amount of credit hours to be carried by each student. Dean Peebles anticipates that it will be necessary for students to carry, on the average, twenty credit hours instead of the past average of eighteen.

Changes are expected in both the Army and Navy reserve programs, whereby the time allowable

for students to complete their studies will be shortened. Some subjects which are deemed unnecessary will be eliminated. The chief revision will be in changing of time that students may stay in school.

Plans have been made by the departments in preparation for any eventuality. Most of the departments have prepared tentative programs based upon six semesters (in two years) covering 120 credit hours. These have been formed to accommodate a large student body made up of Army and Navy reserves, since it is anticipated that most of the men remaining in school will be in the reserves.

Women take place in war industry

Paul V. McNutt, chairman of the War Manpower commission, recently announced that in the very near future, one out of every three war workers would be a woman. This is apparent when the extensive draft schedule is considered—thirteen million men between the ages of 18 and 45 soon to be serving in the Armed Forces. Therefore it is necessary that the facilities for training this corps of women workers be provided.

Illinois Institute of Technology is providing these facilities to women interested and eligible for training for war jobs. Since no tuition is charged, the training does not and will not lead to academic credit. Although employment is not guaranteed upon completion of training, it is almost a certainty. The placement director of war training for women cooperates with students and prospective employers in an effort to place each graduate. Each course presented has its own requirements. A list of these subjects with their requirements may be obtained from the office of war training for women at the west campus.

Teen age education plans in Army's hands

by Jay Richter
ACP News Service
WASHINGTON — (ACP) — Right now the lid is down tight on information concerning the army's plan for sending drafted 'teen age men back to college. Officials and educators here say it soon will be spelled out in detail.

However, it is a virtual certainty that all 18 and 19 year olds who are drafted—whether or not they're college men—will be eligible to take tests to determine whether they shall be assigned to colleges and universities for technical and scientific training. They probably will be selected on the basis of education, as well as for "qualities of leadership, military ability and aptitude for more education."

It is unlikely the 'teen age plan will resemble the current "contract" arrangement both the army and navy already have with some colleges. Under the contract plan, men already in the services are assigned to colleges for short periods of training, usually three months. It appears that 'teen age men will get longer periods of training of a highly specialized and intensive character.

West campus lunch carriers in new scenery

With the organization of intramural activities on the west campus and the extension of the athletic program, students who were accustomed to eating their lunches in the gymnasium, have now been furnished with a new lunchroom in the northwest corner of the basement. Elevator service, a milk bar, clean bright surroundings, fourteen tables complete with chairs, and the possibility of the installation of a juke box, are some of the innovations present in the mess hall.

Not only does this new lunch room lessen the overtaxed resources of the gymnasium but also provides more congenial surroundings for those students who bring their mid-day lunch. This room, formerly existed as a storage space is among the many rooms which have undergone revision necessitated by the expanded war training programs.

ESMWT adds two safety courses

Two new courses have been added to the Engineering Science and Management War training program at IIT.

One for Plant Protection Safety Inspectors, and the other a pre-engineering course for a group of women who will later embark upon the far more difficult course of Safety Engineering. The Plant Protection Course will be given in co-operation with the Safety & Security Branch, Office of the Chief of Ordnance, 333 N. Michigan Ave. The pre-engineering course will be given as a part of the War Training for Women course at the Lewis Division.

Ordnance group graduates

Women will outnumber men 20 to one Friday (Dec. 4) when a war-training class in ordnance inspection at Illinois Institute of Technology receives certificates of graduation.

A luncheon at 1 p.m. in the Stadium Grill, will climax nine weeks of full-time study for these trainees. The majority of them are employed by the Chicago Ordnance District and receive payment at the rate of \$120 per month while studying.

Prof. John I. Yellott, director of war training at Illinois Tech, will preside. He will present certificates, assisted by Prof. J. S. Kozacka, educational supervisor of ordnance inspection courses.

OCD to present industrial camouflage

An evening course in Industrial Camouflage is being organized and will be presented by Illinois Institute of Technology under the guidance of the Office of Civilian Defense. The course will be open to professional candidates only, including engineers, architects, landscape architects, industrial designers and other professionally qualified students. The tentative schedule calls for sixteen three hour periods to be held at the rate of two each week. The complete program will be announced shortly.

Radiation heat transfer rate essential problem in modern furnace design

In modern furnaces most of the heat is transferred by radiation and the determination of the rate of radiation plays an essential part in the design. One of the main difficulties is caused by the fact that radiation travels between any two points at different temperatures in a furnace which are located so that the one spot could be seen from the other one of any eye were placed there.

Thus, a furnace in operation must be considered as a system crossed by an infinite number of rays which have different intensity owing to the different temperatures of the radiating areas. Since the geometrical form of the interior of a furnace is not simple, one can imagine how complicated the configuration of the radiation between its areas will be. It is usual to determine this configuration by mathematical analysis or by actual experiments with bodies radiating and absorbing heat energy.

In two recently published papers the fact that light radiation is inherently the same phenomenon and is governed by the same laws as heat radiation has been used in setting up models in which light is used instead of radiating heat.

In the October issue of the Transactions of the ASME Dr. F. R. England of IIT and Professor H. O. Croft of the University of Iowa describe a model method in which the sources of heat radiation are imitated by light sources and the intensity of the radiation is measured by a photo-electrical cell which can be placed at any point on the sur-

faces where radiation arrives. The source of light was a quadratic white opal glass plate illuminated from below by nine bulbs. One of the models consisted just of a frame forming a cube with the light source as the bottom with the four sides and the ceiling open.

Bringing the cell to different points of these five areas the intensity of the arriving light was measured. This model represents the case of a furnace with total absorbing walls which would be hit by radiation from the bottom. Other models had solid walls painted in various shades from flat black to flat white paint.

The cell was inserted in holes in the walls. Making the wall shiftable the cell could be brought to every point of the surfaces. In this way the configuration factor for any area could be determined, that is the fraction of the amount of light received by that particular area to the total amount of light received by all furnace areas. Also, the re-radiation of the walls can be taken by this method as is shown in the experiments described in the paper.

Another optical model method has been published in the April issue of the Journal of Applied Physics and in the May issue of the IIT Research Publications by Professor Max Jakob of the Armour Research Foundation in co-operation with Professor George Hawkins of Purdue university. These investigators imitated the absorption of heat radiation by the absorption of light on photographic films.

BOOKS and SUPPLIES for IIT Students

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and Reference books
Fountain pens - Zipper case

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Our 28th Year

Open evenings till 10:00 p.m.

Morrison hotel chosen site for all-school dance

One of the biggest dancing parties of the year will be held on Saturday, January 16, 1943 at the Morrison Hotel's Terrace Casino.

The junior class social chairman, Mike Coccia, aided by Byron Round, Nat Ratner and Irv Slone, is going all out in an attempt to make this a standout in the social history of Illinois Tech. A well-known orchestra will provide the music for dancing and a floor show will provide entertainment for the attendees.

Due to the limited seating capacity of the Casino, only 450 couples will be allowed to come, thus assuring all who come of ample dancing room and table space. When the bids are placed on sale this week it will be "first come—first served".

Inasmuch as this will be the last big dance, what with graduation and the selective service "requests" looming in the near future, it is being supported wholeheartedly by all of the students. As with other dances at Illinois Tech, this function is being supported by the all-school

Erickson pens for victory

There aren't many people at IIT who know that we have a man here who has written quite a few songs. This man is O. Gordon Erickson, leader of Illinois Tech's Glee club and orchestra. Among his best songs are Illinois Tech's "Alma Mater" and "Victory" song and the University of Chicago's famous "Wave the Flag for Ol' Chicago."

Inspired by our Army's liberation of Africa, Mr. Erickson wrote a new patriotic song. Its title is "From the Four Ways We're Coming." Members of the Glee club who have sung this song all agree that it has possibilities of becoming a hit song of the country. Its tune and words are catchy, and the song seems to grow on you. It is the kind of tune that makes one whistle and hum the whole day through.

social committee, consisting of the social chairmen of each class at Armour and Lewis.

List Lewis blood donors

Research improves corrosion, sound intensity study

War isn't all "hell". War involves research. The Armour Research Foundation recently waged warfare in two hitherto unexplored fields.

Grandfather's parlor games are helping to win the war. Those with long memories may recall the old-fashioned stereoscope with its hood, a lens for each eye and two photographs of the same thing on one card which gave a three-dimensional effect to the picture.

At the Research Foundation the stereoscope technique is being used in studies of corrosion and the pitting of metals. There is need to show metals tested to people scattered widely, where it is not practical to send the metal itself. The Foundation has recently purchased a special micro-stereoscopic camera for making three-dimensional pictures, which is manufactured by the Bausch and Lomb Optical Company, Rochester, New York.

With this camera, the physics section, according to Doctor George E. Ziegler, chairman, is making studies of corrosion and conveying the results to the interested manufacturers through the pictures, thus saving them the time involved in a trip to the Foundation.

A new high-speed level recorder for rapid variations in sound intensity has been purchased by the physics section of the Research Foundation. Dr. Haldon A. Leedy, physicist in acoustics, stated that the

instrument will be used with a phone-potentiometer which is expected to be received shortly.

Instruments previously used at the Foundation would not record rapid variations of sound intensity in many cases where it was desirable to do so in order to get a true picture of variations in sound level. In the study of calculating machines, for example, a high-level results when a key is punched but the level drops off rapidly. This new instrument will be useful in studies of architectural acoustics which are particularly important in construction of theaters and auditoriums. The instrument will record the rate of sound decay, which is the important acoustical factor and which is also used for calculating the amount of sound absorption in the room. It is also useful in recording power levels where rapid variations exist.

Dr. Leedy anticipates that the instrument will find extensive use in the future in connection with sound deadening properties of sprays used on metals, such as those on the inside of auto bodies.

Lewis seniors survey graduation

Jack Halloran, president of the liberal arts senior class, called a meeting of his class in order that plans pertinent to the February graduation might be made. After the reading of the minutes by Elaine Simon, Jack appointed committees to contact similar groups on the engineering campus and return with their findings to the next senior meeting which is to be held December 18. Committees and committee chairmen appointed were the following: announcement, Victor Smith; cap and gown, Ken Petersen; and commencement, Helen Marzullo.

After much discussion by the class Theresa Fazio with the assistance of Connie Cory and Ken Petersen were appointed to select the site of the liberal arts seniors last get-together.

• Tau Bete (Continued from page 1)

Mr. Heald pointed out that when a man is inducted into the Army, his education period is not necessarily ended. For instance, 70 colleges throughout the country are now offering correspondence courses leading to college credit for service men. Also, there is the probability that in the very near future, selectees, after their 13 weeks of primary training, will be sent back to college for further training, which will be of a technical nature. Further, there is a chance that some colleges will give academic credit for army taught courses after the war as was done in the last war.

President Heald strongly condemned the attitude of some of the students at Illinois Tech who have lately adopted an attitude of indifference toward their studies and urges that students do their best despite the possibility of entering the armed service.

The Medical and Biological Arts guild will register students and faculty members of the Lewis division who wish to contribute their blood to the American Red Cross. Registration will take place during the week of December 14-18 at the Red Cross booth on the second floor lobby.

The Mobile unit will collect the blood January 14 and 15 in the Lewis gymnasium. We will need 400 applicants in order to keep the Blood Donor unit for two days. The Chicago area needs 3500 donors weekly to meet their quota.

Students and faculty who have been too busy to donate their blood at the Chicago Headquarters should take advantage of this excellent opportunity while the Mobile Red Cross unit is on the campus.

Registrants must be in good health and between the ages of 18 and 60. Those between 18 and 21 must have the consent of their parents or guardians.

Further details may be secured at the Red Cross booth or the Biology department.

Rail-riders receive 'tips'

As everyone knows, the railroads are doing a tremendous job of moving masses of men and materials for the war effort. But the strain on the nation's rail facilities is becoming increasingly acute, particularly in the passenger service. Fortunately, most schools, Dr. Guy E. Snively of the Association of American Colleges reports, are aware of the danger and are staggering closing dates so that no more than one college in a single area closes on the same day. But there must be individual cooperation by the students, too, if troop movements are to be made on schedule, if vital war materials are to reach factories and docks on time.

College students can help most to keep the tracks clear for vital wartime use by not travelling during the peak period from December 15 to January 15. If they must go home there are some simple rules to follow which will help to keep rail travel running smoothly. They are:

1. Make Pullman reservations early. It helps railway men gauge the traffic and provide adequate facilities.

2. Cancel Pullman tickets promptly when plans are changed. Someone else can use your accommodations and, besides, if you cancel after train departure time you can no longer get a refund.

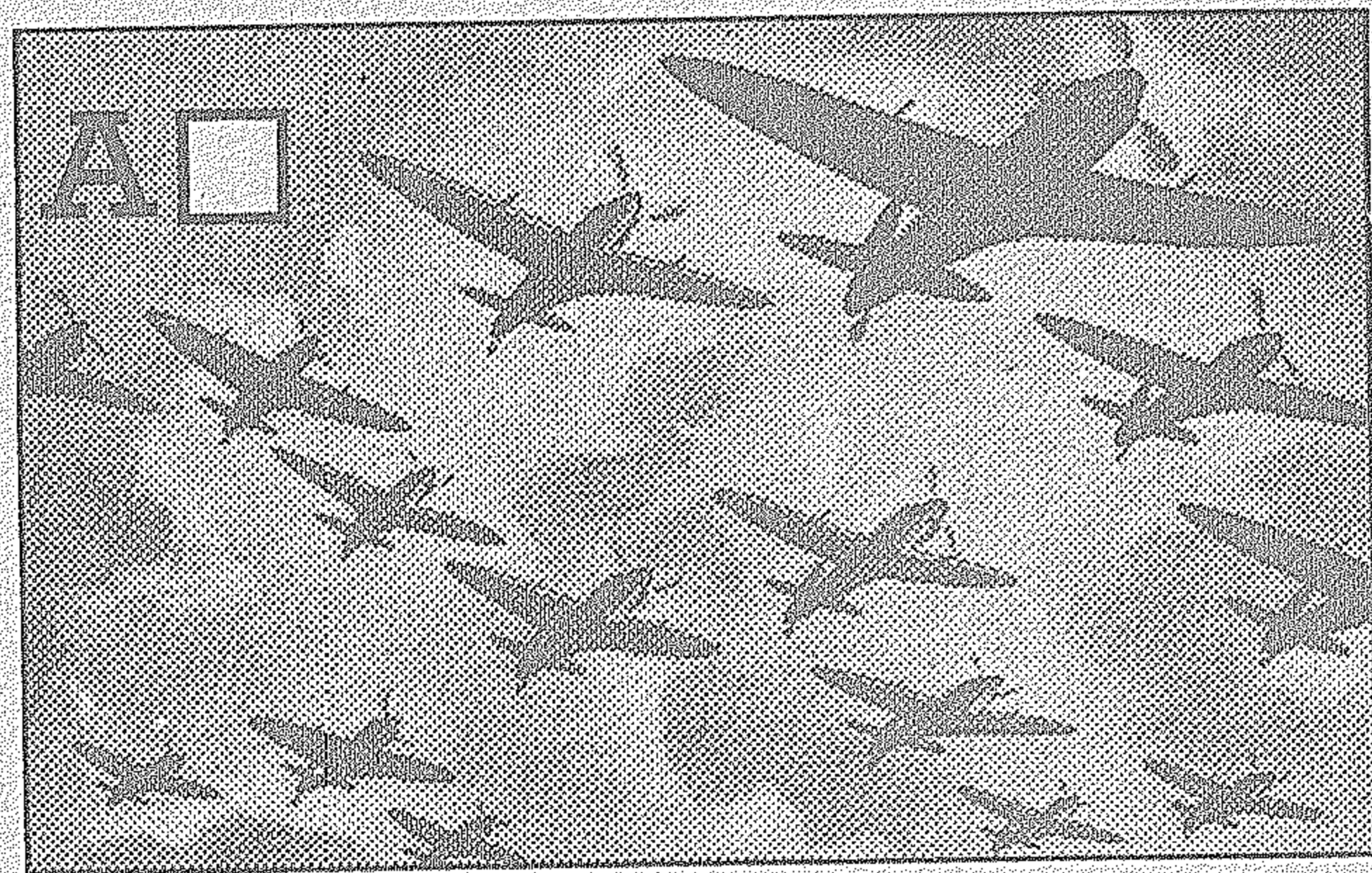
3. Take as little luggage as possible. There isn't room in crowded cars for peacetime paraphernalia.

4. Accept available accommodations. You cannot always get just the accommodations you prefer or find space available on the train you usually take.

NOTICE TO ALL STUDENTS

Please check your program in the registrar's office for changes or additions to your program since registration.

Registrar.



WHICH would you vote "most likely to succeed?"

"The Aircraft Warning System gives a single plane on ground alert the equivalent striking power of 16 planes on air patrol." This startling statement comes from England.

Our country's Aircraft Warning Service—quite similar to England's—keeps a constant check on the flight of all aircraft. Should the need arise, it is prepared to send fighter planes aloft, to mobilize and direct ground defense forces, to warn endangered areas. Every step in its operation requires the fast, accurate communication of the telephone.

This is just one of the many wartime jobs that are keeping telephone lines busier than ever before. To help us keep lines clear for vital military and industrial calls, please avoid using Long Distance to war activity centers unless the call is urgent. And please keep all your telephone calls as brief as you can. Thank you.

WAR CALLS COME FIRST!



Member
Associated Collegiate Press

Official student publication of Illinois Institute of Technology, 3300 Federal Street, Chicago, Illinois. Published weekly during the college year. Represented for national advertising by National Advertising Service, Inc., college publishers' representatives, 420 Madison Ave., New York, N. Y., Chicago, Boston, Los Angeles, San Francisco. Entered as second class matter October 10, 1940, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Subscription rate, \$2.00 per year.

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Administration comes through

After the administration invaded the former quarters of the Lewis news staff, they left them stranded without a place to organize and work. Promises of future consolation were made since the beginning of the semester. The problem was to find available space.

Seeing that nothing was being done and the subject was like a "hot potato" being shoved from person to person, the ITSA was informed. From this meeting a tour through Lewis with Mr. Spaeth, Treasurer and Business Manager of the Institute, was planned, the main objective being to seek our unforeseen quarters.

Various suggestions were made. Why not a room in the basement? This was out because the dampness would not allow the students to work and still remain in good health. There would probably be arthritis, rheumatism and lumbago invalids representing the staff in time.

The prize suggestion was to (1) remove the old dilapidated gas burners in the room annexing the apartment (2) open the apartment to all and make the two rooms into one large Women's Rest and Study room, (3) and TECHNOLOGY NEWS and student representatives take over the old location of the Ladies Study room.

This probability became a reality and within a week chairs, desks, and equipment were put into the office, and a telephone will be installed soon.

Thanks are in line for: (1) Mr. Spaeth for the quick and efficient way he handled the situation; (2) Dr. Ruth Clouse, Chairman of the Home Economics department, for consenting to open the department; (3) Dean Clarke for putting the final check on the proposal; (4) maintenance men for their cooperation and valuable services.

Students now have what they fought for and it is up to them to hold on to it by keeping the room in best order.

Bartusak

Meeting of the TECHNOLOGY NEWS staff of Lewis will meet on Tuesday, December 8, at 2:00 in our new newsroom.

Every member is asked to attend, for at this meeting desks will be given out, working hours will be listed, and business will be discussed.

Freshmen students who are interested in Journalism and want to get acquainted with the staff, are given an excellent opportunity at this date.

STEAM SHOVEL

The combination of gas rationing, zero weather, no transportation and pre-thanksgiving quizzes have all the Techawks hanging on the ropes. Jack "Mulrooney" Mahoney, Czar of the intra-mural referees, was the most vociferous in his denunciations of Hitler and Hirohito as the gas rationing went into effect. In his rage "Mulrooney" coined a few unique cuss words to fully express his antipathy for der Fuhrer . . .

Seems like it's going to be a school tradition for the liquid refreshments for the annual Civil smoker to be copped by lads from other departments. Last year the mechs swiped the cider and stored it away for future reference. Last Friday some chemicals, under the guidance of Stewy Kirk, copped the joy-juice and stored it away, leaving the road-makers to face the prospect of a dull evening without the proper stimulants . . .

Speaking of smokers, some sophomores and juniors who were at the AXE smoker, were rather startled to discover that Bruce Longtin isn't always the proper sort of person that he appears to be. Bruce gave out with several of the stories that always go a long way towards making any male gathering a success.

January is going to be just one big social season for the seniors. The month starts off with the ever boisterous New Year's Eve, followed by the Senior closed dance, the Junior Informal, a few private celebrations and graduation . . .

Roy Andrews, sophomore civil has joined the Air Corps. The date on which he starts his training depends upon officials agreeing that he should be given a captain's commission to start. He is extending invitations to all civils for a going away party at Christmas time at his girl friends home . . .

Jim Waber, grad student, has been dubbed "Jaeger" Waber by his associates . . . Professor Freeman, "little white father" of the E.E. department, in discussing the honor system commented that in some schools the professors had the honor and the students had the system . . .

Ken Jacobs, high-lord of all things intra-mural, is concentrating his quiet line on a smooth little bundle from St. Xavier's college, Dorothy Mae Cowdrey . . . Jack Haberkorn recently sewed things up solid with Miss Pearl Goerres when he slipped a big sparkler on her third finger, left hand . . .

Ray Tubergen, varsity ball player and Fire-

man is currently operating up Milwaukee way. His chief interest in the land-o-the-lakes is Marilyn Jane Stevens at Downer College, Milwaukee . . .

Seniors are still wondering why Johnny Knorr never said a word about his I-A classification until after his induction into the army. A rather unusual procedure to say the least, since he had only two months to go to graduation . . .

Junior Civil Asrow, dearly beloved by his classmates, recently left his hat unprotected in the cement lab. His comrades decided that the bonnet was slightly out of shape and that much could be done to improve its appearance. So with the obvious purpose of doing their good deed for the day, they proceeded to block Brother Asrow's chapeau with a solid mixture of plaster of paris and cement.

Dr. Jesse Hobson, a Westinghouse contribution to the social world, recently heard his secretary complain of the cold weather. Jesse immediately observed that she could find ample heat while sitting on the good Doctor's knee, but the girl didn't concur in the observation.

The boys in the Tech News office started to wonder when Chuck Peller passed out numerous cigars . . . Although the last freshman dance is now ancient history, a story about Mike Coccia's activities at this affair has finally found its way to this department. Mike and Jean Fletcher watched the movies shown by Doc Nadel, then when everyone else had departed persuaded "Doc" to show the one-half hour film for them alone . . .

Chester Swan recently wrote a letter to one of his friends at Stephans College, Missouri. He shoved the letter into a pocket before going to class, and later discovered that the missive was missing. Investigation uncovered Bob Johnson and Bob Ladevich as would be blackmailers about to write to the lassie and expose Chet as a philanderer etc. However Chet doesn't seem very much concerned by the threats of these two.

While the boys were trying to decide how to spend the money in the senior class treasury, they suggested all sort of social affairs from a formal dance to a theatre party. Herbie Bay looked over the speculatively eyed the list and then popped up the suggestion, "Let's have a beach party" . . .

So long, see you next week,

The Gael . . .

BLITZKRIEG!!

Well, hello, kids! S'nice to be back again, slingin' some hash, scribblin' some trash, and ending before we say something rash.

So to begin with, let's mention Dorothy Giambellucca, who is now adorning our fair portals at night school. Her days are pretty well filled with teaching chemistry and stuff. Don't work too hard, Dot, 'cause we'd like to have you stay as you are.

Orchids of the weeks go to Blanche Fried and Ruth Body in celebration of their birthdays. The Kappa's presented them each with a lovely gift. Happy Birthday, girls, many many more.

Then there's our cheerful "frosh" Hope Iverson, swinging a wicked racket. Boy, that girl can sure serve a mean birdie.

Competition for the title of Lewis Executioner has been mighty keen lately, but, in the last analysis, we find "Mike" Robinson in the lead. She killed her little ratsie. You're a ba-a-a-a-d dirl. For shame!

The reason "Dickey" Fazio has been running around tearing her hair is just those little weekly quizzes. What's she goin' a do about finals.

If you ever wanna witness a panic, go down to the gym and watch Ken Peterson play a game of badminton. His graceful figure flitting down the floor, and his limber wrists doing a 360° turn are enough to knock you out. Why, even Mrs. Hazel's proud of his accomplishments.

Rapidly rising in the ranks of school lover is Earl Gorenstein. We've watched your technique, Earl. Not bad!

Talking about Earl, we've found our favorite Shirley Evenstein giving him many an evil ogle. Whatever your motives are Shirly, we can't say we blame you.

Did you know that comely "frosh" Reva Matthew has four other sisters, one of whom is just a wee tyke, three months old.

Have you heard? Virginia Fries has been christened the "Most Perfect Extrovert". All that's lacking is the champagne.

We've heard some interesting rumors about Bernie Marlin and former co-ed Sylvia Wcislo. Tell us more, Bernie.

Humor Note of the Week

Mr. Cieslak warned the students of his Embryo class that he'd flunk any whom he caught counting when he asked, "How many teeth does a normal adult have?" Bob Weiss slyly counted his, determined to get the right answer, and brightly replied—"Fifty-five". How come Bob, whassa matter with your pony.

No doubt you've seen Elaine Simon carry around her "witto pottie". If you haven't., kids, you're in for a kick.

Until next week, then, be good kiddies, say your prayers every night, and remember to send a letter to Santa Claus.

Now, with

Love 'n Stuff
Your Seventh Columnists

Co-op Capers

by Lou Wengel

Once more the B co-ops are on the scene trying to rally their depleted ranks, some hoping that this will not be their last term and others hoping it will be. Of this latter group now entering the fifteenth and last round the 5B's are the most vehement. They are while the 5A's have completed their stretch and are now waiting for the decision.

Private Ken Stromberger, ex-5B, of the Army Air Corps, is proving a very effective decoy for that branch of the service. To date no less than six seniors have expressed intentions of enlisting.

A new high in men's fashions has been reached by Bob Silberstorf, who paraded about in a canary yellow babushka looking so demure and quite comfortable.

The whistle blowing and the ensuing commotion of the past few days is due to the Pi Tau Sigma pledges who have been seen loaded down with the essential paraphernalia of the engineer. Amongst these are Robert Scholten, Clarence Ceroke, Fred Sternberg, and John Briggs all 4B's. Pledge-captain Milt Platzner is keeping these boys on their toes.

Since the advent of compulsory physical training for the reserve corps there has been an increase of stiff muscles and the straining of dormant ligaments. Now the B group has been exposed to this training for the first time and are now getting their quota of the stresses and strains. Incidentally, anyone interested in enlisting in the army reserve corps should act as soon as possible for there is a good possibility of the enlistment being closed before December 31, contrary to the recent announcement.

In process of organization is a dance to be held either February fifth or sixth and sponsored by the Co-operative Student Association. More information will be given later but present plans call for novelty acts besides a good dance band, so keep this affair in mind.

To date the constitution of the Co-operative Student Association has been accepted by all of the A group and by the 5B, 4B, and 3B classes. The only remaining action is for the frosh and sophs to either accept or amend the proposal and return to the proper authority. A copy is posted in the Co-op office and the president of each class has a copy so any interested co-op can not plead ignorance.

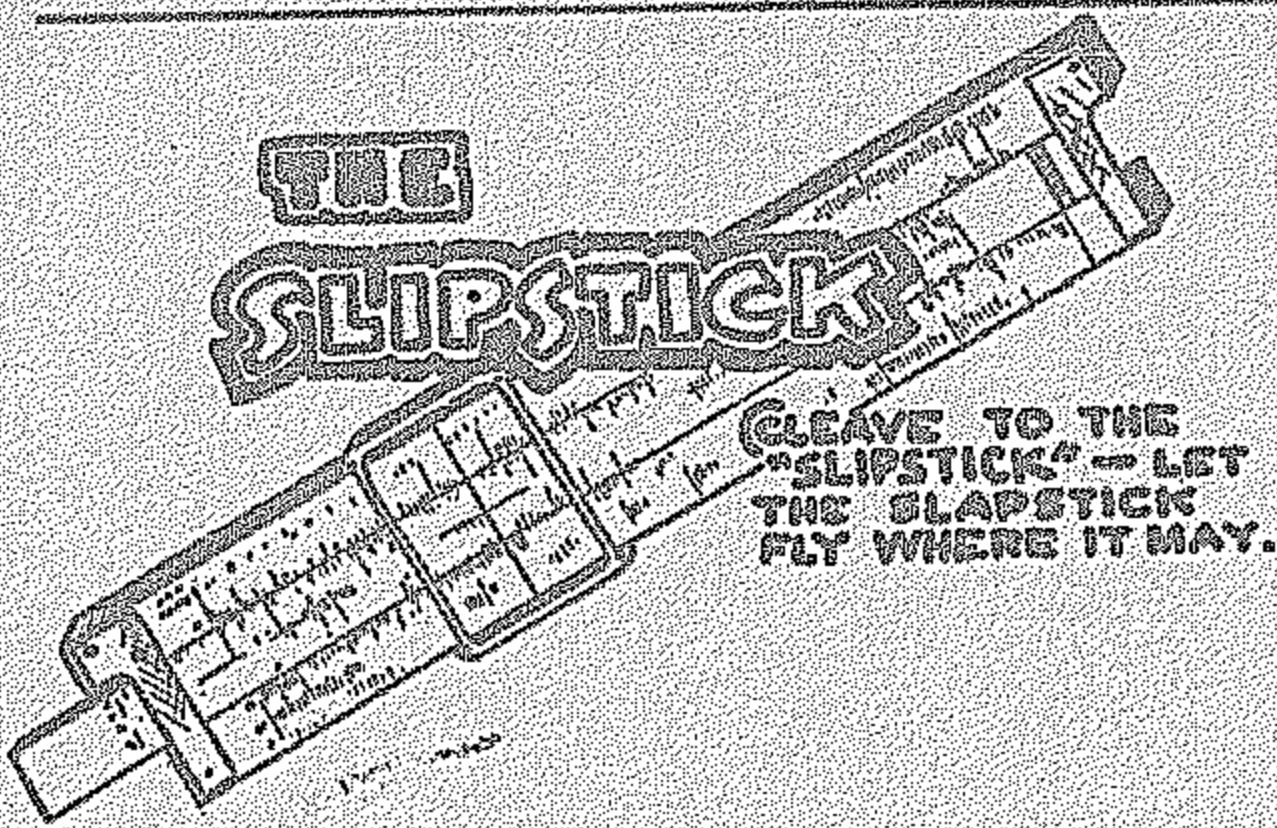
Bowling is once again holding the attention of the 3B's, having bowled one series Friday, showing prospects of an interesting tournament. The 5B's are also contemplating a bowling league with a possibility of inter-class competition. The other classes are encouraged to organize leagues and get in the thick of it.

New additions to the married men's club are Jimmy Kehoe and Harold Zachar both of 4B. This makes a total of five so far but President Stan Prorok claims that the membership will be greatly increased before graduation.

Under-classmen interested in the Wranglers can become associate members by filling out forms obtained from the Co-op office and returning the forms to the office. As associate members they will be invited to some meetings and will be shown the functions of the organizations and thus become eligible for election as full members.

The trouble with women is—
they are women!

Signed
X



Behind The Curtains Other Campuses

Happy Holiday, happy holiday, and the merry bells are playing happy holiday to you! Boy we just finished off one turkey and now we're eyeing another. uuummmmm! Yes, soon beautiful winter will set in. (wait till I thaw out this . . . typewriter! Icicles on every key.) But we love this beautiful winter season, yes, don't we. But even though we're dreaming of a white Christmas here's hoping the sun is shining, because there's nothing like a sun, Eddie Cantor says here.

They talk about looking for a needle in a haystack, but did anybody ever find the slack in slacks?

I hate one kind of sandwich,
Which they really should not vend,
The kind when you bite the beginning,
The insides come out the end.

Nuts!

A farmer was passing the insane asylum with a load of fertilizer. An inmate called through the fence, "What are you hauling?"

"Fertilizer," replied the farmer.
"What are you going to do with it?"
"Put it on my strawberries," replied the farmer.

The inmate countered quickly: "You ought to live here. We get cream on ours."

Sadie: "When Miranda went and got married, us girls done give her a shower."

Magnolia: "Dhat sho' was nice. Ah'll bet her husban' was glad to get 'er all nice and clean."

Hitler's barber is passing up an awful good chance, because even after a hair cut a razor has to be used.

In 1905 when girls did swim
They dressed like Mother Hubbard,
They dress more like her cupboard.
But now they have a different whim,

Frosh: "I hear the Board of Trustees is trying to stop necking."

Soph: "That so? First thing you know they'll be trying to make the students stop, too."

Teacher: "Johnny, how would you punctuate this sentence: Mary went in swimming and lost her suit?"

Johnny: "I'd make a dash after Mary!"

Sign on truck: "This truck stops for all railroad crossings, red heads and brunettes—and will back up one-half mile for blondes."

They stood beneath the mistletoe
And knew not what to do
For he was only 4 foot 4
And she was 6 foot 2.

And with that Mr. and Mrs. Bissel Mistletoe. Oh don't sit under the mistletoe with anyone else but me! "Lucky Strike Green has gone to war!" And that makes Dec. 10th the day after tomorrow. And two days later the 12th which will just about bring another year on its way to a close.

Holly Happiday!
Fisher 'Min'

by Anon
Well, guys, here we go again. What happened to this column? Well, it takes quite some time to pool together the material for it and that time hasn't been available of late. No more excuses.

Look around you, take a good look, because you probably will not see the school like this again, for the duration. Yes, the change is at hand. Things like Military German, six semester engineering course in two years, Naval history, etc. are on the way. In fact we are in the process of preparing them.

We can not emphasize this fact enough. Do not pay any attention to what the daily papers say about colleges. They always look for sensational statements. Statements like "500 colleges will close" are unfounded. When the new Army-Navy college program is announced, do not go overboard believing the daily papers. There will be either a general assembly or an extra issue of the Technology News to fully explain how it affects you. President Heald wrote the Navy program and can speak on the subject better than anyone in the country. He can not talk about it until Washington breaks the story.

We see that the music is coming through at last in the lunch room. We suggest that some one look up some of the far flung experiences in the use of music industry. Improperly used, that music may become a real headache.

President Heald has made thirteen trips to the east since last September. Mainly to Washington and New York.

John Yellot has designed a program for defense plant protection that is destined to take effect all over the country. Again, Illinois Tech leads the field.

John Schommer has been appointed by Governor Green to a highway board to try and straighten out the Congress Street mess. "Uncle John" thus adds another job to a string that is as long as your arm.

For two years we tried to get a spaghetti dinner in the lunchroom. Last Thursday, we finally got it—good too.

We have long wondered why the faculty should have parking space reserved for them in front of School. Maybe that policeman is looking for Christmas money by doing this? If the faculty wants choice spots, let them come earlier.

Some unthinking sophomore "unadjusted" the Ryerson clock in the Physics laboratory. The last time this happened the school had to

send the clock to Munich for readjustment. We can't do that now. Some of the equipment may be awful old but some of this equipment is the most accurate in the United States. Ask Mr. Thompson.

Milton Platzner is the Co-op representative on the Honor Board. Milt is a 4B Co-op of good standing.

Thursday before Christmas vacation, is the date for the memorable Christmas concert. The Glee club opens its season in Rockford at its Rotary club. Our gleemen can hardly wait to get to Rockford and those blind dates.

Orchids and more orchids to the Freshmen. Their dance made money. This is the first dance we can remember that broke even. They paid for the Union and everything. Lewis gave a big hand in putting it across.

No one knows whether there is a more critical shortage in industry or in the armed forces for engineers. Best advice is to satisfy yourself and make an intelligent decision. Go where you think you can do the most good and if you are an engineer, you can do good.

The Seniors are getting closer and closer to graduation time. At last report, the graduation will be held at the Chicago Temple. If this pans out all right, there will be about twelve seats to every graduate. You had better start recruiting your audience now.

The speaker at graduation will probably be Clarence Randall, vice-president of Inland Steel company. Those who went to the ITSA banquet last spring will recall this gentleman.

The juniors might as well get ready for an all summer session like the seniors had last summer. The seniors hope they have weather as good as they had. They considered themselves lucky, as far as the weather was concerned.

The various organizations are still looking for interested men. At the rate things are going, the loss of the seniors is going to cause a real dent in the shool. Somebody is going to have to come along and fill the shoes of Bechtolt, Story, Jacobs, Keigher, Zemaitis, Watson, Galuska, Kaluzna, Farrell, Arns, Rose, Blasco, Cronin, and a dozen and one other boys who don't come to mind immediately. These are quite big shoes to fill, but they must be occupied.

The Seniors have appointed a gift committee to arrange for a gift for the school. This is the first committee of this kind in many years for the senior class.

ARX NEWS

News has leaked out from the freshman quarters that the nightingale from Java, MIKE TAN, is being haunted by MR. (5 BY 5) WAGNER. It seems that the spherical man can't hear the reports from the pony booths when Mike melodizes. . . . speaking of races, (CHUBBINS) CHRISTENSEN and (WONDER WHERE I'LL GET MY NEXT MEAL) DALY are pacing each other to keep from dropping to the bottom of the steel construction class. . . . THOMAS (THE HUMAN ALARM CLOCK) SMITH, due to lack of feminine attention has relinquished his position as prexy of the "Lover of the Week" club. Yes, his successors are that romantic team, LYDEN AND GALAVAN. . . . Direct special attention to the fact that these two Rush Street Romeos pride themselves in dolling up whilst at the institute, but observe the two tramps that appear on the south side campus. . . . both have been seen in the company of a certain UP-SWEPT BLONDE, ART SCHOOL LOVELY J.M. . . . H-m-m . . . Those outwardly angelic personalities FREHLICH, POZUCEK, AND ROGERS were overheard discoursing in the following manner while all knelt in a corner with heads reverently bowed. . . . (7 come 11) Abe—in a North Woods lingo: "Shoot the buck," (SNAKE EYES) PETE retorts in an underworld fashion: "I've gotcha covered," (PUT ME ON THE CUFF) ROGERS winds up the

conversation with: "We don't shoot 'em this way in Louisville."

Where do you stand here—and where will you?

Do you intend to practice architecture? Or maybe you're using this work as a basis for other work. Some of us are merely here for a degree, some to have a good time, or to satisfy others.

Was the way of thinking here the cause of your coming, or was it a general dissatisfaction with other methods? Maybe you're here because of financial reasons or some other cause.

Possibly it would be easier for you to judge the best way to go while here if you would know the aims of the others. For each one of us criticizes attitudes and methods from a different viewpoint. Isn't this attitude similar to that of the man who declaims the house of another without knowing the aims and preferences of the builder?

Certainly some of us won't put as much emphasis on architecture as on art or on a satisfying of practical needs. Some will seriously try to further such principles as we are learning while others will fall back to general practice levels.

Will you be a yes man to the public taste or will you invest in the raising of its standards in this—and thus his living manners?

A. Propos.

by Raymond W. Sauer
A Harvard university linguist says Japan has at least one advantage over the United States—the ability of a vast number of her military officers to speak English while only a handful of United States army and navy men understand Japanese.

This is bound to give Nippon an edge in questioning war prisoners, translating intercepted messages and obtaining information from material found on men fallen in action, Dr. Erwin O. Reichsauer, authority on Far Eastern languages, said.

Allegheny college was so named because a large part of the area it serves is watered by streams that make up the Allegheny river.

A tobacco plant that grows to tree size has been brought back from pre-historic eras and is growing in the botanical gardens of the University of California.

Stephens college girls have organized "flying squadrons" to stage discussion programs on war aims at rural schools and churches.

The first university in the western hemisphere was founded in Santo Domingo in 1538.

The Chinese central government has appropriated \$3,500,000 to reopen the famous Chi-atung university and the president of the university has left Shanghai for Chungking to take charge.

Study of candling and weighing of eggs is part of the work of students at New Jersey college for Women.

Encouragement of co-eds to enroll in mathematics is an aspect of the war effort at the University of California.

The Moslem university of Al Azhar in Cairo, Egypt, was founded in 970.

Hoping to save at least 50,000 miles of driving annually, Colgate university has established a clearing house for automobile transportation.

More than 1,000 photographs of the oldest building standing in Texas have been acquired by the University of Texas library.

A co-operative training program for the Boy Scouts of America has been worked out between University of Texas officials and Boy Scout executives, T. H. Shelby, dean of the University's Division of Extension, has announced.

Dramatic students at Wayne university have cooperated in the development of plays on war themes for community audiences.

Iowa State college short courses drew a total of 12,502 persons to the campus last term.

A research project to deal with public opinion and international relations in the period between the two world wars has been undertaken by the history department of Bryn Mawr college.

The University of Wisconsin military science department is training 1,881 cadets for duty with the army.

Sweden's most famous conservative student society, the Heimdal society at Upsala university, has adopted a change in regulations according to which Nazi sympathizers cannot belong to the society.

Dance Club

Preparations are now being made by the officers of the Dance club for a giant party. These plans, which will be submitted to the club members for approval on Wednesday, hold promise for one of the most successful parties ever given by any of the social bodies. Ted Pilat, club president, says that girls "aplenty" will be provided.

All Dance club members are urged to attend the meeting Wednesday, which will be held shortly before five o'clock.

Notice to all feminine Techites from Lewis: You are invited to attend any of the dance club meetings and meet the "gentlemen" of Armour—5 p.m. every Wednesday.

Wranglers

Wranglers, Co-op Human Engineering society, elected officers for the coming year at their last meeting, Monday, November 23. The new officers are:

Chairman, Ellsworth Packard; Vice Chairman, Milton Platzner; Program Secretary, Edwin Kurek; Recording Secretary, John Briggs; Treasurer, Robert Silberstorf; and Parliamentarian, John Ferkan. An installation banquet will be held in the near future.

One of the important activities

of Wranglers is that of maintaining the ticket agency for the Pop Concerts given by the Chicago Symphony Orchestra. The agency will be continued next year.

AICHE

Coach Ed Wagner will be the speaker at the next meeting of the American Institute of Chemical Engineering on Friday, December 11 at 10:00 a.m.

His subject will be "Some Problems of a Young Engineer." Mr. Wagner was recently appointed by John Schommer as coach of the cage squad. He is a graduate of Armour, ChE '38, remaining here until he acquired an M.S. degree in chemical engineering, before he began work at the Standard Oil plant in Ohio.

Medical Arts Guild

The Medical and Biological Arts Guild will be conducted on a tour through the Cook County Hospital and County Morgue, and will later witness an autopsy on Thursday, December 10, at 11:00 a.m. The group will leave from the Madison street entrance at 10:30. Bulletins will be passed on the third and fourth floor bulletin boards which all those interested in going, are requested to sign.

Further information may be obtained by contacting Gertrude Eisenstein, Shirley Evenstein or Bob Weiss.

Alpha Sigma Phi

Just before Thanksgiving vacation, the Alpha Sigs managed to annex another trophy by defeating Sigma Alpha Mu for the interfraternity football championship to the tune of 38-0. The game was played on a rather sloppy field but it evidently didn't hamper the boy's efforts any.

Last Friday night saw a Stag at the Alpha Sig house for the annual celebration of Founder's Day. We had quite a large group of alumni in attendance for the occasion. Brother Christiansen and others planned quite an evening of entertainment for the alumni. The evening was primarily concerned with "Der Fuehrer's Face" and related subjects.

During the past week approximately 5000 lb. of scrap metal in one form or another was turned in to the salvage drive from the House. This represents an accumulation of old stoves, piping, radiators, etc. which accumulated in the garage over a period of years. It was quite a job to move a good number of these as Brother Gage will attest.

Delta Tau Delta

Monday night November 30, 1942 Delta Tau Delta held its annual election of officers. President Edward Carmody was replaced by Blake Hooper, Vice President Charles Shank was succeeded by Edward Curran, and Treasurer Jack Rice was replaced by Ross Humphries. The incoming officers were installed in the traditional ceremony.

James Doane, Bryon Hoskins, and Marshall Ferall were formally pledged last week.

The first dance since gas rationing was held last Saturday night. Despite transportation difficulties there was a hundred per cent attendance. Mr. and Mrs. Sonny Weissman and Mr. and Mrs. Norman K. Dasenbrook chaperoned the gala affair.

Daedalians

The D's held their informal initiation over Thanksgiving week-end up at Paw Paw lake. Aside from the actual browbeating on Saturday night, and a few minor mishaps, the week-end was without incident—it says here. Although the ill effects are about gone, one Bud Waldorf Carlson may still be seen limping through the corridors. Gordon Spotwood Campbell and J. J. Romac were also listed as casualties by the actives, who underestimated the pledges.

Flash of the week—Ralph Pearson, Dalumnus, is the proud pater of a baby—model unknown—weight 2.6 kilos.

— NOTICE —

Intramural wrestling, boxing, basketball, ping pong and swimming are all to be started, and in some cases completed before the Christmas holidays. Please watch the general bulletin board in Main and the new intramural board in the lobby of the Student Union for time, place, deadlines, etc.

Pi Kappa Sigma

Saturday, December 12, 1942, the pledges of Phi Kappa Sigma will give their annual pledge dance. As yet, the actives do not know the plans, but it promises to be good. Howard Harris and Pledge Captain Hartmann are in charge for the pledges. The actives' curiosity must have been aroused as they plan to turn out in force.

Friday, December 11, 1942, Phi Kappa Sigma will have their annual Alumni Smoker. John Schommer will be the main speaker of the evening. There is expected a large turn out of alumni.

Phi Kappa Sigma started their basketball training with a game between the pledges and the actives. The pledges luckily defeated the actives 38 to 20. Even though the game wasn't played as efficiently as could be hoped, it showed the makings of a good team.

Recently three Phi Kapps were held up near 32nd Street about 11:00 while coming home. Bob Bartlett, Harry Buerckholtz, and Frank Hull each lost a topcoat; Hull's watch was also taken. The boys had no money with them and consequently not harmed.

None of the Phi Kapps spent their holidays at the Skull House.

Those who have seen the desk dangling from the second story balcony should think nothing of it. An active told a pledge to air out his desk, and that was the result.

Pi Kappa Phi

A cold spell followed by a quick-heat wave interrupted an excellently prepared dinner Thursday night. Smoke belched forth from the dining room ceiling as the Pi Kaps were deeply engrossed in their desserts. An "old-fashioned" bucket brigade was hastily organized with about twenty fellows in the line using metal waste-baskets for buckets. The firemen graciously left their own dinner table to come over and tear the dining room apart looking for smoke, fire, and other incendiaries.

After about an hour of "carnage" the firemen gradually wearied of their efforts. For lack of prospective places to tear apart, their thoughts again wandered to their belated dinner. Warily picking up their equipment, they departed. The Pi Kaps immediately followed suit and started picking up the burned, charred pieces. The damaged property was estimated to be quite high.

The annual Founders Day banquet of the founding of Pi Kappa Phi will be held on Thursday night, December 10th. The dinner will be attended by local Pi Kaps and members of the Chicago association of Pi Kappa Phi.

Kappa Phi Delta

Kappa Phi Delta celebrated the birthday of two of their members, Blanche Fried and Ruth Body, Friday afternoon. Blanche and Ruth were co-recipients of a birthday cake which their sorors, were more than happy to share with them.

Pledges Jane Ahrens, Lillian Seiges, Isabella Winter and Dolores Zwierzo can now be seen wearing their "license plates" which also serve as a memorandum of black marks. Each pledge has received her list of pledge duties and will undergo "hell week" upon her return to school after the Christmas holidays.

Rho Delta Rho

Last Saturday night the actives engaged the pledges in an annual feud to determine the basketball team. After the game, which was held at 8:00 p.m., the entire fraternity and their dates danced in the lounge. The pledging of new men followed. This brings the total number of pledges to about 30. There are 24 actives in the chapter at present.

The installation of the new officers was also one of the highlights of the evening. The officers for the coming year are Ben Levin, president; Louis Berkovitz, vice president; Joe Abrams, treasurer; and Leonard and Carwin Elman as corresponding and recording secretaries respectively. The executive council consists of Earl Lichtman, Trebor Miner and Herb Gertz. The social chairman is Seymour Entman.

Triangle

Triangle and Theta Xi held their traditional "celebration" last week. Seems that the boys were in a musical mood, because a snappy two piece band (piano and drums) proved to be the hit of the evening. Every year the winner of the football game between Theta Xi and Triangle is treated to a party by the loser. Triangle was happy to accept the challenge and thus became the recipients of a swell party graciously provided by Theta Xi.

Theta Xi

Not long ago a group of Theta Xi men, alumni, and friends put on the glad rags and found their way to the Palmer house. You can guess who's broke now.

On Saturday, December 19, a Christmas party has been planned to augment the season's festivities.

Theta Xi begins inter-fraternity competition in both ping pong and basketball this week, as it takes on Sigma Alpha Mu in both sports.

Zeta Beta Alpha

Zeta Beta Alpha fraternity has been a very busy group in the last few weeks. The first social event took place at the home of Sid Sher on Sunday evening, November 22, 1942. The second affair on the social calendar was an informal initiation which took place in front of the Chicago Theater on the evening of Wednesday, November 25, 1942.

Since all work and no play "makes Jack a dull boy", a few parties were included to occupy the time of the actives and pledges during the Thanksgiving holiday. The outstanding one was held on Friday, November 27, at the Monte Ray hotel. Concluding the social affairs for the week, was an informal affair, a mixer, which was held on Sunday evening at the home of Gene Serinsky.

POP CONCERT TICKETS

Students desiring to obtain tickets at reduced rates for the Saturday night Concerts of the Chicago Symphony Orchestra, obtain them in the Co-op Office, 105 Chapin.

RESEARCH SHORTS

S. C. Lind, member of the War Production Board's Referee Committee and dean of chemistry at the University of Minnesota, called at the Gas Institute in connection with research work being undertaken for the WPB.

* * *

Executive Secretary, L. A. Monroe of the WPB Referee Committee also visited the Institute for the same purpose. Mr. Lind is the inventor of the Lind interchangeable electroscope for radium measurements, and originated the ionization theory of the chemical effects of radium rays.

* * *

S. D. Kirkpatrick, president of the American Institute of Chemical Engineering, inspected the Gas Institute and Research Foundation recently. He is also editor of Chemical and Metallurgical Engineering. D. H. Killifer, assistant editor of Industrial and Engineering Chemistry and Walter J. Murphy, editor of Chemical Industries, were also in the party of visitors. All the men attended the Chemical Exposition while in Chicago.

* * *

Mr. Harold Vagtborg, director, Dr. Carl G. Anderson, supervisor of the mechanical research division, and Mr. W. R. Mehaffey, associate physicist in electricity, are attending the A.S.M.E. convention in New York. Mr. Mehaffey is presenting a paper entitled, "Measurement of Dynamic Strain" of which Dr. C. O. Dohrenwend is co-author.

* * *

Dr. George E. Ziegler, chairman of the physics section and Dr. Frank Trimble, physicist, are spending some time in New York City, and elsewhere in the East, in connection with new War Production Board

projects on domestic production of the much needed material which has previously come from foreign sources.

* * *

Dr. Henry G. Fisk, mineral technologist at the Armour Research Foundation, is author of an article entitled, "Ceramics and Industrial Minerals in the War Effort" in the November, 1942 issue of the Journal of Chemical Education.

* * *

Mr. Harold Vagtborg, director of the Armour Research Foundation, is author of an article in the November issue of Chemical and Metallurgical Engineering on the resources and manpower of the chemical industries in Illinois.

* * *

Mr. Raymond J. Hafsten, associate metallurgist of the Armour Research Foundation, has recently published an article entitled, "Spheroidized Annealing of S.A.E. 52100 Steel". his article appears on page 869 of Metal Progress for November, 1942.

Faculty briefs

W. S. Snyder of IIT will be the speaker at the meeting of the Mathematical club of the University of Chicago on Tuesday, December 8, in the Harper library at 4:30 p.m. His subject will be "Derivatives of simple figures."

On Friday, December 4, Dr. Herbert Busemann, Instructor in Mathematics, spoke at the University of Wisconsin on "Geodesics in Certain Metric Spaces."

On Saturday, December 5, Dr. Max Dehn, Visiting Lecturer in Mathematics, gave a lecture at the University of Illinois on "The Topology of Three-Dimensional Varieties."

Schultz tennis coach

Captain Mike Schultz officially became Coach Mike Schultz last week, when Athletic Director John J. Schommer announced him as the successor to Hal Davey as Tech tennis coach. It was thought that Professor Colvert would be forced to return to the position he left two years ago, but Schultz's presence on the campus as a graduate student relieved him of the necessity of diverting his efforts from his intensive work in the Physics Department.

To the present members of the tennis team Mike's appointment comes as a most pleasant surprise, as Mike won the whole-hearted admiration and friendship of his teammates while tennis captain last season.

Mike received his degree in Mechanical Engineering last June, and becomes the second Tech coach to be engaged in graduate work here; Ed Wagner's recent appointment as basketball coach preceeding him by less than a month.

The name "Mike Schultz" has appeared frequently on these pages for the past four years. At first it was merely included in a long list of net aspirants, but before long the list became shorter, and not so much later "Mike Schultz" began to mean tennis to sports readers, so it was only fitting that Mike was elected captain in his senior year.

Juicers win Lewis tourney unbeaten

The Senior Juicers, by virtue of their 12-6 victory over the Reser-Vees last week took the undisputed championship of the Lewis touchball tourney.

After a scoreless first half, the Juicers pushed over two tallies before the Reser-Vees could count their lone score late in the game. A blocked punt set up the first Juicer score. The scoring play was a pass from Chuck Nelson to Larry Rademacher. Tom Cox aided Rademacher's run to the goal line with some fine blocking.

The second score came on a long pass from Jim McDonald to Tom Clark. The Reser-Vees' lone touchdown of the game was scored on a pass from Paul Brockman to Wally Collett.

The Reser-Vees ended their season by defeating the Raiders 19-6 and thus took second place in the standings. The Raiders were pretty much bottled up during the entire game by the hard-charging of Dick Farmer, Marc MacAuliffe and Russ Komen.

The first score of the game came shortly before the end of the first-half when MacAuliffe blocked a pass which settled into the arms of Russ Komen on the twenty yard line. The actual score resulted when Paul Brockman passed to Komen in the end zone.

Four plays after the second half kick-off, the Raiders tied the score on a pass, from Fuqua to Ed Burke. The Reser-Vees then assured themselves of victory by pushing across week the Raiders triumphed over the Blitzers 20-13 and over Zeta Beta Alpha, 14-0.

Intramurals program busy; basketball on

Three big events are on the intramural program for the next two weeks.

Basketball squads of twelve men each are going to be organized by department and year (Chem. 2, ME 3, etc.). The number of teams will govern the organization of the schedule. All preliminary games are to be played in the gym. Semi-finals and finals are to be played in the Armory. The checkroom is accepting entries till December 9th. Officials from all departments are badly needed. Turn in name and schedule at checkroom.

The big annual Intra-mural swimming meet is to be held in the University of Chicago pool one week from this Thursday. Larry Rademacher is planning the event this year.

The ping pong schedule has been posted on the intra-mural bulletin board. Players have been notified to contact their opponents and get the first round of games played on or before December 15th. Failure to play will result in forfeit. Tournament games will be given priority on tables. Winner of two out of three games wins the match. The three finalists in the singles bracket will play round-robin for first, second and third place medals.

Athletes lose lives

One year ago the Japanese made their attack on Pearl Harbor. In the ensuing year many IIT men have joined the various services. Numerous others had joined before the attack. Among those men serving with the armed forces are many who were very prominent as athletes at Armour or Illinois Tech.

Several men have already given their lives. Those men who are known to have been killed are John O'Connell, Warren Umbright, and Arnold Blume. Two men are listed as missing in action, they being Fred Schoenwolf and George Wiegman.

O'Connell, a lieutenant in the Army Air Forces, played on the basketball squad for four years, acting as co-captain his last year.

Umbright, also a member of the basketball team, was an instructor for the Naval Air Forces until his death in a plane crash last September.

Blume, an architect, was captain of the swimming team in 1941 and upon graduation started to fly for the Marines.

Schoenwolf, a wrestler while at Armour, and Wiegman were respectively from the classes of '26 and '37. The former was a lieutenant in the Navy while Wiegman served with the Army Air Forces.

Vengeful Techawks oppose Lake Forest

In memory of John O'Connell who was killed in action in the Phillipines one year ago today we dedicate this sports page of **Technology News**. For O'Connell and the other Techawks, all former athletes, who have already made the supreme sacrifice we pay this humble homage.

Sports Staff

Hoopsters win warmup 37-24

Tonight the Techawks journey to Lake Forest to engage the Lake Forest College in a game of basketball. With a new coach and a vastly improved squad the boys are out to avenge the twin defeat handed IIT last year by the Foresters.

According to reports, Lake Forest, which always has a strong team, will prove a formidable opponent. Coach Wagner's probable starting lineup to set the Foresters on their heels will be Byrne and Puchalski at guards, Lagodney at the pivot position, and Smart and Kilgariff at the forward posts.

Win opener easily

Sparked by Smart and Kidd the Techawk cagers, in their first practice game, defeated the Illinois College of Dentistry by a score of 37 to 24. Coach Ed Wagner started Byrne and Puchalski at guards, Smart and Kilgariff at forwards and Lagodney jumping center. The opponents' starting team consisted of Guytun at center, Batina and Schneider at forwards and Fisher and Luccist at the guard positions.

The first quarter of the game was sluggish with both teams warming up slowly, but when the squad got going they made up for lost time. The Byrne to Lagodney to Smart combination proved very effective. "Jackson" did his usual swell job of ball handling and Bill Smart on the receiving end kept ringing the bell.

Coast in last half

During the second quarter Wagner substituted a new team. Kidd and Gavin went in at forward, Fleischer at center and Peterson and Shepherd at guards. They kept the ball rolling and IIT pulled ahead.

The original team started the second half but Wagner replaced men freely during this period so as to give most of the team game experience. Bill Smart was high scorer with twelve points.

ILLINOIS TECH				U. of I. DENTAL			
G.	FT.	P.		G.	FT.	P.	
Smart	6	0	1	Batina	4	1	3
Kidd	3	2	2	Luccist	0	2	0
Kilgariff	2	1	2	Guytun	0	4	1
Gavin	1	0	2	Schneider	1	1	2
Lagodney	2	0	1	Fischer	1	1	1
Byrne	1	1	3	Jones	0	0	3
Peterson	0	0	1	Rubtisma	1	1	2
Puchalski	0	0	1				
Shepherd	0	1	0				
Franks	0	0	0				

Ex Big Ten track star joins faculty

All-American and Big Ten Champ are titles anyone would be proud to hold. But to hold these titles and also that of Doctor of Chemical Engineering is an honor indeed. These are some of the awards that Dr. Wilmer T. Rinehart holds. Dr. Rinehart, recently appointed to the chemical engineering staff at the Armour Research Foundation, is a former Big Ten javelin champion.

The doctor was quite an athlete when an undergrad at Indiana. In 1927 he was champion in the javelin event of the Drake and the Georgia Tech Relays. In 1928 he took first place in the Penn Relays and was elected to the All American track team.

After completing his undergrad schooling, Dr. Rinehart worked for his Doctor's degree. During his four years of graduate work he assisted E. C. Hayes in the coaching of the Indiana track team.



as found by Don Keigher

Since the last time we put our rambling thoughts in this column much has flowed under the bridge on the stream of athletic events here at the Illinois Tech.

In accord with the holiday feelings of a week ago, we think this a good time to hand out just plaudits. First, to those ironmen, the 2A Co-ops, who captured the intramural touchball crown. To emerge undefeated and undisputed champions from the original field of 36 teams is a noteworthy record. To their star lineman, "Buzzy" Hillman, goes much of the credit for the Co-ops being titleholders. "Buzzy's" choice as the best player in the tournament was borne out by his polling 27 out of a possible 30 votes on the official TECHNOLOGY NEWS All-Star team.

A football sextet whose prowess has gone almost unnoticed was the fraternity winner, Alpha Sigma Phi. The athletic Alpha Sigs' capable reserves made it possible for them to become the only team in the history of the bloody Greek football tourney to come through not only undefeated, but unscored upon.

In a talk with physical fitness director Grant Stenger last week we discussed the pros and cons of the physical education program as it stands after the initial month. Over five hundred freshmen and two hundred army and navy reservists are participating. The program is proving a definite benefit to ninety-five per cent of the participants, but the small minority are due for a rude awakening some Saturday morning when they are ordered into the special slackers corps.

Our personal observations are that the reservists are doing a fine job, even though hampered by cramped facilities of the "little" gym, and overcrowded by the many frosh who obtained special privileges to work out during the day. Not a little credit is due to the work of former R.O.T.C. men and varsity athletes who have acted as group drill and calisthenics leaders. The activities in the armory, however, are not near as satisfactory. The thorns of contention are: 1. Failure to put in a full two hour session (due to lateness in getting to class and tendencies to sneak home early); 2. Difficulties in taking roll; 3. Lack of respect (on the part of some) to their own frosh group leaders; 4. Not as much calisthenics in two hours as the reserves get in one; 5. Insufficient supervision of the whole session (the reserve group leaders may remedy this, but the real solution is to have more paid employees).

These remarks are not intended to tread upon the toes of either Stenger or the freshmen, but rather, are intended to lay the problems before the students and the athletic board, and hence, hurry the needy remedies.

Another situation which bears some solemn thought is the status of the track team. As yet, the ITSA board has not made a move to appropriate funds for the team's outdoor season, although it did for baseball. (See TECH TALLIES on page 8)

CAPTAINS CORNER

This, the second in the series of articles designed to introduce the captains of the various teams to the students brings George Martinek and Walter Gow captain and manager, respectively, of the boxing team to you.

George Martinek, leader of the "pugs" is a six footer who fights in the 175 pound class. He walks with that easy swing and rhythm of a born athlete and his activities show that is just what he is. George has been on the team three years and attained the captaincy by the election of his teammates and the approval of Coach Weissman. He has been very active in all intramurals as a member of the Senior Mechs teams and this fall also played on the IIT six man football team.

Martinek believes that a captain's job is "to get everybody to practice and to keep the boys trying all the time." He says, "The team has unbounded confidence in "Sonny" and that they are going to be a tough team to beat."

If you were at the Turkey Trot you would see that George likes his dancing and his skill in this art is attested by the tie for first place in the contest for ball room dancing. The boxing team will lose this top captain soon for George is going to donate his fighting ability to the Army Air Corps after graduation in June. We are sure that this scrapper will really go places in this field.

Every team has a captain and a coach and also one other leader that doesn't receive much publicity. It is the job of this third man to arrange the schedule, keep equipment in shape, and generally be the goat for anything that goes wrong in practice or on a trip. Yes, the job of the manager is almost a thankless one. We say "almost" because a manager does get some thanks and that is when everything goes off as planned, without a mistake, and the team wins.

To Walter Gow belongs this position on the boxing and wrestling teams and already in this first season he has had the job, he has been doing splendid work. Wally is a Senior Mech and will go into the Army Air Corps Engineers after his graduation in June. He is engaged and expects to be married during the Christmas vacation.

"Drawing up the schedule is the hardest part of a manager's job, but the most important thing is to see that the fellows are always taken care of, and the new kids on the squad should be given the same treatment as the older fellows. No partiality." This statement gives you a good picture of the kind of fellow Wally Gow is. He's a "swell guy."

Co-op Wenzel, wins; Sherman second in final forecast

Hans Wenzel, Frosh Co-op, won the last Tech News football contest of the year. This was the hardest contest of the year with scores ranging from two to a maximum of seven winners. Wenzel missed only three games; the big upset of Boston College, the Georgia game, and and the Oregon State-Michigan State tie. The one dollar prize goes to a man who has proved himself a good prognosticator.

The bid to the Christmas Dance was won by Earl Sherman, Senior Mechanical. Sherman not only picked seven winners, but he also was one of the very few to pick Holy Cross over Boston College. He chose Nebraska on their strong past and Southern Cal on an unlucky hunch.

— Tech Tallies —

(Continued from page 7)

golf, and other spring sports. It just came to our attention that our former coach, Norm Root was forced to re-enter the sanitarium about a month ago and will definitely not be coaching next spring.

But a solution to the coaching problem can be reached right here on campus. Doctor Rinehart, late addition to the Armour Research Foundation, was former Big Ten javelin champion and put in years of coaching track. He was assistant for many years to Indiana University's E. C. Hayes, nationally reknowned track authority and developer of some of America's finest distance runners. Doctor Rinehart has always been deeply interested in track, since his undergraduate days at In-

diana, and would be willing to fill in the empty coaching spot if only powers-that-be can get around to the problem.

THOUGHTS: Bill Smart rang up 12 points against the Dent school boys the other night, just to substantiate his position as the best ball handler and shot on the team. . . . Two other co-ops whose efforts are indeed bountiful on the hardwood court are tall, slim Bob Kidd and bespectacled Wally Futterer. . . . Last season's co-captain of track Dick Barry is now doing defense work in a little backwoods town of Virginia. . . . Senior Joe Pruzinski, ranking letterman of the golf team, is entering the Navy, January 9, the same day ITSA prexy Hugh Story becomes a midshipman trainee. . . . Most of the Cicco-Wizards, diminutive frosh touchball champions, spent the week-end gloating over their alma mater's, Leo, victory in the city championship game. . . . Handsome Tom Kilgariff, Cicco-Wizard and former Leo high school athlete, has proved the outstanding frosh out for basketball and has already earned a starting position. P.S. Next week we intend to singe the hair of the sophomore class, the ITSA board, and Honor I for the type of "new" class emblem the second year men will wear.

TEAM	W.	L.	Pts.	Opp.
1. 2A CO-OPS	9	0	139	14
2. SR. MECHS #1	7	2	139	39
3. SR. MECHS #2	7	2	32	60
4. CICCO WIZARDS	4	2	97	58
5. SR. JUICERS	3	2	75	68
6. SOPH. CIVILS	3	2	32	20
7. SR. CIVILS	3	2	38	31
8. SR. F.P.E.	2	2	20	25
9. FR. CO-OPS #2	2	2	14	28
10. SOPH. CHEMS	2	2	19	44
11. SOPH. JUICERS	1	2	45	48
12. JR. CIVILS	1	2	26	37
13. SOPH. MECHS	1	2	13	27
14. GRADUATES	1	2	12	34
15. CHUMPS	1	2	9	25
16. FROSH #2	1	2	1	13
17. ARX	1	2	1	2
18. FROSH #1	0	2	12	14
19. FROSH MECHS	0	2	7	27
20. 3A CO-OPS	0	2	6	14

The other sixteen teams in the tourney had records worse than these and were not worthy of note.

★ IN THE ★
ARMY AIR FORCE
they say:

"THUNDERBOLT"
for the Republic Pursuit Plane

"FLYING FORTRESS"
for the Boeing Bomber

"LIGHTNING"
for the Lockheed Interceptor-pursuit

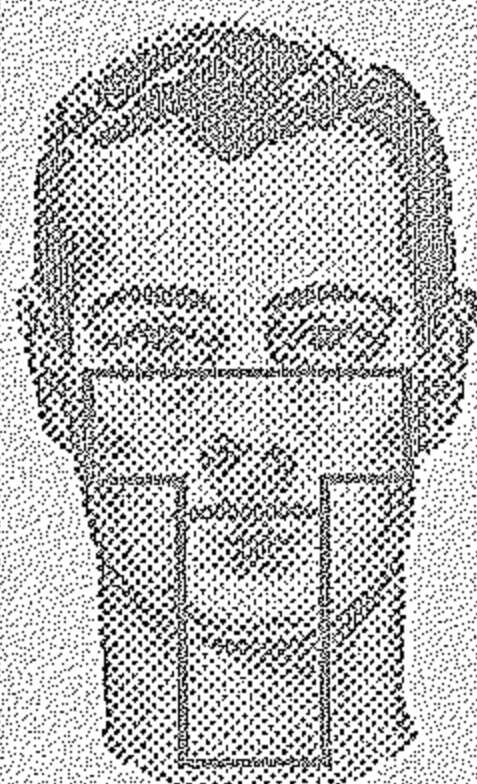
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