

TECHNOLOGY NEWS

"World's Greatest College Newspaper"

VOL. 27—No. 4

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS

MARCH 11, 1941

Erickson Leads Musical Groups Friday Evening

Musical Festival To Be Given At Goodman

An already near capacity audience will greet the combined musical clubs—over 150 musicians—of Lewis and Armour as Illinois Tech presents its first concert at the Goodman Theater.

Combined Glee Clubs

At 8:30 p.m., March 14, the Goodman Theater curtains will part to reveal Mr. O. G. Erickson directing a fifty piece orchestra, a seventy man glee club from the Armour campus—and thirty beaming faces of the girls' glee club from the Lewis campus, placed right in the center of the chorus.

Although Armour has seen the Goodman stage six times before, in annual spring concerts, the Lewis girls are making their initial appearance there as a part of the show, and the boys will have their first experience as a part of a mixed chorus in several numbers.

Tickets at Cloak Room

Ticket sales have been better than ever; there is now a definite hope for a completely sold-out house. Tickets may be gotten at the cloakroom window in the Student Union building on the Armour campus until Friday afternoon.

The feature of the program this year is the club's group of four soloists, each of which has been responsible for enthusiastic rounds of applause at previous concerts this season.

Excellent Soloists

Two of these are vocalists: Robert Mead, tenor, and Robert Hemman, baritone. The other two—Roy Hrubés, trombonist, and Gus Mustakas, violinist—will be remembered as outstanding by those who heard the Christmas concert. Gus Mustakas is also said to have been responsible for "bringing (continued on page two)

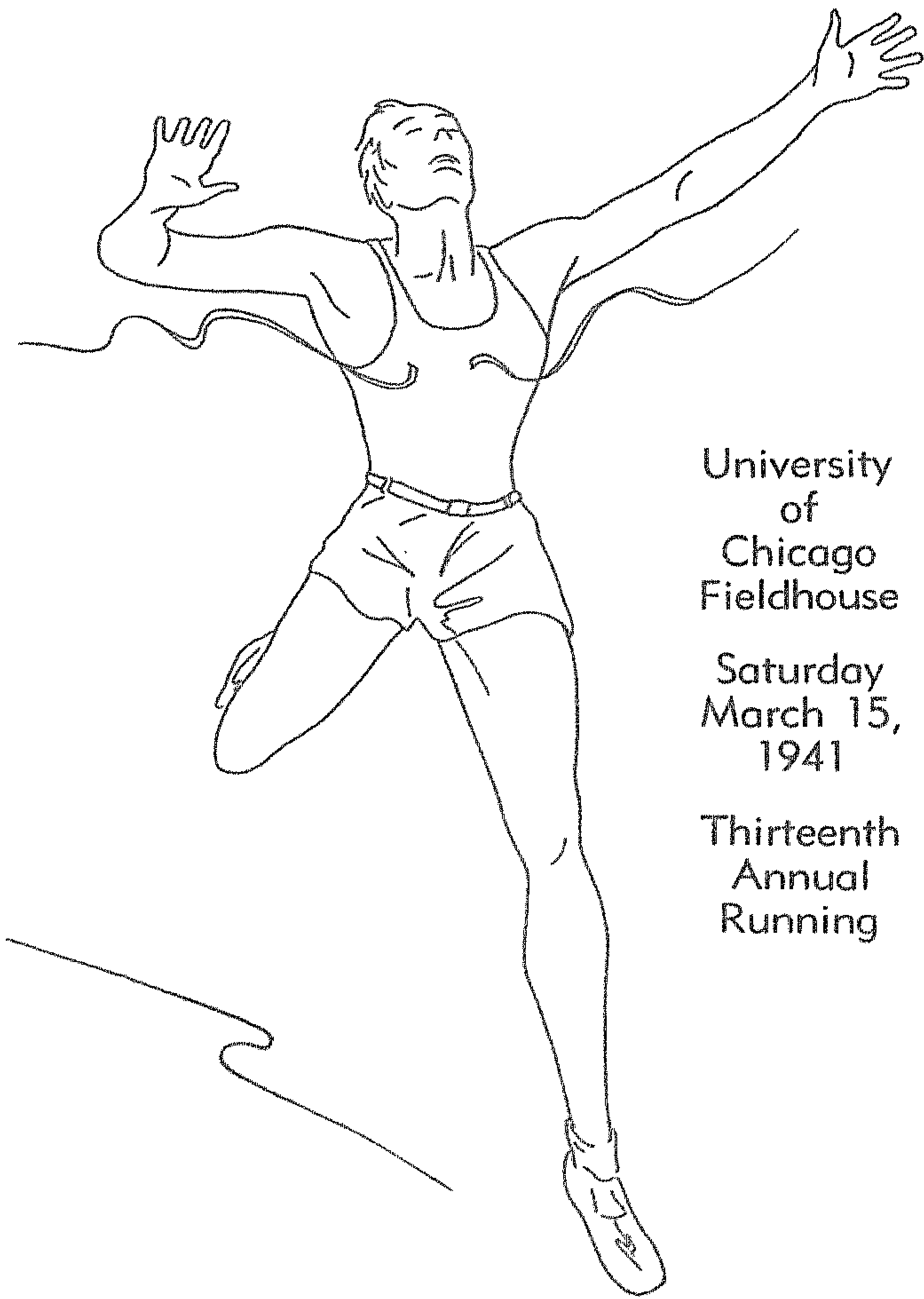
Engineer And Alumnus Features Articles By Yellott And Petersen

Engineering defense training, which has been the topic of discussion for many of our guest speakers, will be covered thoroughly in an article written by Professor Yellott in the forthcoming issue of "The Armour Engineer and Alumnus."

Collection of the complete campus plans for the Institute has postponed the original distribution date to the latter part of March. This feature on the new Institute will include all the plans for the south side campus. Other articles of special interest will be "The Loop Public Power Project," written by a 1933 graduate, Mr. George W. Petersen and an article on the Research Foundation written by Dr. Godwin.

Dr. Kintner's contribution is an article on "Research Chemical Engineering." This article will be of special interest to the chemical engineers.

ILLINOIS TECH RELAY GAMES



University of Chicago Fieldhouse

Saturday March 15, 1941

Thirteenth Annual Running

Temporary Loss Of Dean Tibbals Felt By Armour

Victim of continued overwork, Armour college's Dean Tibbals is taking a long-deferred and well-earned vacation which will probably last the remainder of the semester.

Since coming to Armour as an instructor in chemistry nearly thirty-five years ago, rest has not been a familiar experience to Dean Tibbals. He has held numerous academic and administrative positions. His versatility and vigor made the scope of his activities large. When he assumed the duties of dean, he stocked the shelves of his office with his vast store of patience, understanding, and good will. Students in trouble have always found him friendly and ready to help. President Heald summed up the whole school's feelings last week when he said, "The temporary loss of Dean Tibbals is something we all feel keenly."

Peebles Acting Dean

Dr. Tibbals' leave of absence has left a gap which has been hard to fill. Professor J. C. Peebles will assume the duties of the dean's office and the title of acting dean. This has required some adjustment of time in Professor Peebles' work with the Research Foundation. This time-juggling was made possible through the cooperation of Mr. Vagtborg, the Foundation's director. Since Professor Peebles' time is so limited, Mrs. Orcutt has volunteered to devote several hours each week to the solution of student problems brought to the dean's office.

There can be no doubt that the whole school joins with President Heald in wishing Dean Tibbals a speedy recovery.

Gamma Rho To Feature Floor Show At Dance

Spring is here, and with it the first dance of the present season. In the spring a young man's fancy lightly turns to — well, besides that,—dancing. The Gamma Rho's had this in mind when they made plans for their dance—The Spring Thing.

They are pioneering an entirely new idea in college dances—one which features a sparkling floor show. There have been new songs written especially for the show, and old ones have been "swung up" by clever rearranging. Several talented acts have been originated. The dance is scheduled for March 21, at the Mount Prospect Country Club. The country club is in a rustic setting of spacious ground, with a beautiful patio and terrace on which you may walk with your "lady love." (The scene, by the way, of all the past Gamma Rho successes).

Semi-Formal Chosen

It is to be a semi-formal affair—that's what the gals like, you know. Roy Benson is to furnish the syncopation. Arrangements have been made for food and refreshments, with ample table and seating facilities. The Committee consisting of Jack Perkins, Bob Meyer, John Knapp and Al Falkman has been working since last November and they haven't left a thing undone to make it a complete success. Best of all, boys, this dance is to cost you only \$1.50 a bid, which makes it one of the most reasonable dances of the year. You can obtain bids at either school—at Armour from Wally Werneck, Erwin Powell, Fred DeMuth, Warren Kuehl, and Fred De Money; at Lewis, from any fraternity or sorority member.

Illinois Tech Relays Hold Position of Importance Among Outstanding Meets

Sam Campbell To Give Travelogue Friday At 10 A.M.

Sam Campbell, the famous naturalist and philosopher, will return to Armour College to give a "travellesson" Friday the 14th of March at 10:10. The W. S. E. will sponsor this general assembly when Mr. Campbell will talk on "On Your Way to San Francisco."

Armourites Enjoy Campbell

Last year Mr. Campbell presented his color movies to a very large group of students, and he was received with such enthusiasm that a return engagement has been arranged. One of the scenes, shown at that time, showed a delicious technicolored steak sizzling over a camp fire. It was so realistic that the hungry audience moaned in agony.

Mr. Campbell is a well known writer and lecturer, and his famous motion pictures serve to illustrate his theory that wild animals will become tame if they are treated kindly. After attending the University of Chicago the naturalist spent the greater part of the past 30 years in the forests of Northern Wisconsin, where he has established the nationally known "Sanctuary of Wegimind." In this territory, near the Three Lakes, Mr. Campbell has taken most of his beautiful nature movies. This sanctuary is one of the new private preserves to foster the conservation of wild animal-life in the United States.

Among the several books published by the lecturer are: "Conquest of Grief," "Sanctuary Letters," and "Nature's Message of Peace." For over three years he has been participating in a radio program featuring nature talks. It is expected that his talk will again attract a capacity audience.

IIT Honoraries Hear Leverone Give Advice For Business Success

Last Thursday the ten honorary fraternities of Illinois Tech held their annual banquet at the Swedish Club of Chicago. The affair was the first of its kind to be held since the completion of the Armour-Lewis merger. Mr. Nathaniel Leverone, prominent in Chicago civic and business affairs, addressed the gathering of more than one-hundred young men and two young ladies.

Robert Mead Presides

Robert Mead, president of Tau Beta Pi served as master of ceremonies for the evening and introduced Dean Grinter of the Armour graduate division. Dean Grinter spoke briefly and then presented Mr. Leverone.

In his own informal and interesting style Mr. Leverone gave his observations on the reasons for the success or failure of young people in the business world. Mr. Leverone maintained that business is always ready to use young (continued on page three)

Anticipate Additions To High Quality Entering Field

Bang! The gun sounds for the start of the first race in the Thirteenth Annual Illinois Tech Relays to be held this Saturday, March 15, 1941 at the University of Chicago Fieldhouse. About thirty-five teams featuring over four hundred topnotch athletes will vie for medals and cups in the mid-west's outstanding track and field classic.

Formerly known as the Armour Tech Relays, and renamed after the merger of Armour Institute of Technology and Lewis Institute last summer, the relay games will reach new heights this week. Many defending champs return to compete with sparkling newcomers in an attempt to erase the old records and mark up brilliant performances. Preliminary events are scheduled for the afternoon, with the final competition beginning at 7 o'clock in the evening. Characteristically known as the only middle-western meet in which colleges and universities can compete in separate sections without the killing competition of an open meet, the Illinois Tech Relays afford the small college with top-flight talent competition.

Team Entries Classified

According to John Schommer, all team entries are classified into two separate and distinct divisions according to the rating of the school and the competition in which it customarily engages. The smaller schools are placed in the college division, while such schools as Northwestern, Kansas, and Illinois are placed in the University division. No university contestant may compete in the college division, while a college division athlete, having exceptional ability, may compete with the better talent in the university division. At the same time, several events, including the field events, the mile run and the half mile run are declared open events, in which all entries, irrespective of classification, may compete.

The games are under the direction of John Schommer, famous athletic official and Tech athletic (continued on page three)

THIS WEEK AT IIT

- TUESDAY:**
Voice recordings for Home Economics Club members, 12:30 p.m., Tea Room.
- WEDNESDAY:**
Girls Chorus at Armour, 4 p.m.
IIT Polish Club meeting at Laird House, 1838 W. Division St., 8 p.m.
Lambda candy sale, Lobby.
- THURSDAY:**
Dress rehearsal for Gamma Rho floor show
Glee Club rehearsal at Goodman theater, 2 p.m.
Home Economics meeting.
- FRIDAY:**
WSE Meeting, Armour auditorium, 10 a.m.
Musical Clubs concert, Goodman theater, 8:30 p.m.

FRESHMAN CLASS OFFICERS PRESENT PLANS FOR YEAR

Look out sophomores! The freshman are coming! Last Friday, March 7, the Armour freshman class met to form a well-organized class under the leadership of their president, Harry Anderson.

Introduction of the freshman class officers was the main reason for the meeting. Each officer upon being presented explained his duties and what was being done along those lines. Outlined plans for the freshman dance, work of the social chairman, were presented. The freshman dance is to be held at the Edgewater Beach Hotel. Dancing, informally, will be done to the music of Jack Russell's orchestra. The committees in charge, both at Lewis and Armour, have high hopes of making their dance a stupendous start for the class of '44.

Baekas Heads Rush Committee

Also, plans for Junior Week have commenced to the degree that a committee of strategy has been formed with Ulysses Baekas at the head. On Saint Patrick's day, it is hoped that all freshman will buy green hats, as the custom has been, so that the class of '44 will learn to know each other and will be able to organize enough to give the sophomores a good licking during Junior Week. Junior Week is May 6-10. So freshman, talk it up and get organized, cause if you don't . . . ?

Officers of the Armour freshmen class that spoke at the meeting are: president, Harry Anderson; vice-president, Robert Lamons; treasurer, William Dunlap; secretary, Robert Howard; Social chairman, Michael Coccia; I.T.S.A. representative, Donald Mahok, and member of the Student Union Board, Charles Prizer.

Junior Engineer Exam Announced By Civil Service

Because of the increasing need for engineers in national defense work, the United States Civil Service commission has again announced an examination to fill junior engineer positions in any branch of engineering.

The starting salary for these positions is \$2000 a year minus a three and one half percent retirement fund deduction. The applications will now be rated as received at the Commission's office in Washington until December 31, 1941. Qualified persons who do not have eligible ratings under previous junior engineer examinations held by the Commissions within the past year, are urged to file their applications at once.

Appointees will perform professional engineering work including assisting in experimental research, design or testing of machinery, and testing and inspection of engineering materials.

To be eligible for competition the appointee must have completed a four year engineering course, with the exception that senior students will be admitted under certain conditions. They will not have to take a written test. Instead the applicants will be given additional credit for graduate study in engineering or for engineering experience.

Further information and application forms may be obtained from the secretary of the Board of U. S. Civil Service Examiners at any first or second class post office, or from the U.S. Civil Service Commission, Washington, D.C.

IIT ACQUIRES STEAM TURBINE FOR MECH DEPT.

Through the good graces of the Pyle National Company, Armour has acquired a new super steam turbine. This was made possible by a permanent loan from the company. This single-wheel turbine with two stage expansion contains two of the most modern instruments now in existence: the new Weston temperature gauge, which operates on the principle of the bi-metallic helical coil, and the Frahm vibrating-reed tachometer. The generator is composed of a number of resistances in parallel controlled by a panel switch board. This turbine was installed last week and is now ready for testing.

New Course for Seniors

The course in which this turbine will be used will cover fifteen weeks of lectures to be given by Dr. Yellot and Trumpler. The students will be able to perform a complete test on the turbine in one afternoon. This course is to be added to the regular curriculum for senior mechanicals.

A.S.M.E. Sees 'Oil' Film; Plan Smoker Apr. 4

A twenty-five minute motion picture on the topic "Oil" was shown at the A.S.M.E. meeting last Friday in place of the addresses by three student speakers that was previously scheduled. The movies treated a phase of the oil industry which concerns the lubrication of moving, mechanical parts and those uses of oils which interest mechanical engineers.

An announcement of a smoker which is to be held on Friday, April 4, from 8 to 12 p.m. in the lounge of the Student Union was made. Tickets for the smoker are now available at the price of forty-five cents each. Movies, refreshments, musical entertainment and an interesting speech are on the program for the evening.

Prof. Roesch made a brief speech concerning the forthcoming A.S.M.E. convention at Detroit. He urged the members of the society to prepare speeches dealing with general mechanical problems, the best of which would be entered in competition at the convention.

Goodman Concert Gives Excellent Opportunity To Students Of IIT

(Continued from Page One)
down the house" at the Goodman concert a year ago.



Robert Mead

Here is the program:

- Concert Overture Hadley Orchestra
- "Pilgrims' Chorus from 'Tannhauser' . . . Wagner Just You Burleigh
- When All Is Still Miles Glee Club
- Russian Sailors' Dance Ghere The Patriot Pryor
- Hungarian Dance No. 5 Brahms Orchestra
- Music When Soft Voices Die Matthews The Lost Chord Sullivan
- On the Road to Mandalay Speaks Glee Club and Orchestra
- INTERMISSION
- Cossack Love Song Kountz Volga Boatman Russian
- The Sleigh Kountz Glee Club
- Clare de Lune Debussy Prælude and Allegro Pugnani-Kreisler
- Southern Suite Nicodi Orchestra
- Archer's Dance Borodin Clouds Charles
- Old Favorites Herbert Combined Clubs



Gus Mustakas

Opening the program is a modern, vivacious overture, which is followed by a modest and harmon-

ious trio of selections by the glee club. The orchestra then counters with the furious "Russian Sailors' Dance," and continues with two other brilliant selections.

In partial contrast, then, the glee club offers a melodiously calm selection, which is followed by a baritone solo on a universal



Robert Hemman

favorite, "The Road to Mandalay." Both organizations combine triumphantly to conclude the first half with the beautiful "Lost Chord."

A trio of surprises follows the second curtain in three Russian



Roy Hrubes

numbers by the glee club. This is complemented by a combination of a string orchestra and Debussy. Then comes a brilliant violin solo, and the interesting "Southern Suite."

RENTAL LIBRARY IS PLANNED FOR CULTURE SEEKERS

In an attempt to satisfy a rapidly growing demand for the latest and most popular novels, biographies, and light scientific books, Miss Nell Steele, head of the Armour Library, has tentatively suggested a scheme for a new rental collection.

Books for Varied Tastes

While the Armour Library is necessarily a specialized library, its policy has always been to purchase a generous selection of modern fiction and titles in travel, biography, etc. The purchase of duplicate copies in sufficient numbers to supply all immediate demands has, however, been found impossible. It seems that the tastes of Armour students for the "six best" have been in no way dulled by their steady diet of heavy technical reading. Often the reserve lists on some books are so long that it means waiting months for them.

Therefore, asks Miss Steele of the students, "Are you interested enough in new books while they are new to support a rental collection in the library?"

In considering a rental collection, Miss Steele explained that it is in no way designed to replace the present policy of purchasing books for so called "cultural and recreational reading." If it is preferred by the student to wait for the library copy, instead of securing it immediately for a small fee, he may still do so.

Acquire New Books

It is planned that as soon as a book has been paid for in rental fees it will be transferred to the general library collection, from which it may be obtained without cost. This problem of stretching budgets to purchase the latest works at a time when the reader wants them is a familiar one to all libraries. The proposed solution for the Armour library has for years been successfully practiced in the largest libraries in the country.

Those who are willing to pay a small fee and have a book sooner will find a box on the Library desk where may be left not only comments on the rental plan but suggestions as to books of immediate interest. The library does not propose to purchase any thing and every thing for rental, but the student's preferences will color the selection.

COPELAND DELVES INTO MYSTERIES OF MICROSCOPE

Electrons hurtling through space at a velocity of 18,000 ft. per second is the subject of study of Dr. Copeland and his electronic classes. The electron microscope being developed by Dr. Copeland utilizes these electrons for the study of their behavior in electrostatic fields.

The electron microscope consists mainly of three parts; a vacuum producing mechanism, a large size voltmeter, and a long sectioned glass tube. The vacuum is essential as the speed of the electrons will be effected by it. One out of 10,000,000 molecules of air is left in the tube before the filament is heated at one end. Residual air will become ionized and have a focusing effect on the fluorescent screen at the other end of the tube.

Metal plates are placed between the sections of glass and a potential difference is set up across these plates. This potential difference causes the electrons being produced by thermionic emission to move through the tube at a rapidly increasing rate. As the electrons strike the fluorescent screen the image is produced. By this method 2,500 volts is the greatest potential attainable with this apparatus, as it is still in the experimental stage.

An instrument of this type will be effective in studying biological substances. More thorough study of cancer tissues and tissues infected with other diseases will be made by the use of this microscope. The number of lines which distort the image on a television screen will be decreased by the aid of the experimentation being carried on with the electron microscope.

Dr. Copeland, a well known physicist on the faculty at I.I.T., believes that the electron microscope will eventually be used extensively throughout the field of biological science and in the rapidly growing industry of television.

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'NIMBLE FEET' IS OBJECT OF DANCE CLUB

On Wednesday, March 5, the Dance Club held its third meeting of the semester. The session was opened with a short talk by Ernest Colant, the president, who explained the purpose of the club; the development of "correct" dancing among students of Illinois Tech. The members briefly discussed the program for the coming months. Miss Rosa Golden, one of the few coeds at Armour College, was elected secretary and treasurer.

Daniel Stone Instructs

The latter part of the meeting was devoted to dancing. Daniel Stone, who is a professional dancer as well as a senior co-op, instructed the beginners in the rudiments of modern ballroom dancing.

Mr. Colant, besides outlining the program for the coming months, spoke about the last meeting at which the art of rumba dancing was demonstrated. He told the members that henceforth no instructions would be given unless there were at least twenty-five present. In order to retain membership in good standing, one must attend at least two-thirds of the meetings. Plans were also made for the next social of the Dance Club, which will be held on Wednesday, April 9. This is the day previous to the Spring recess.

Girls Help Out

After the business meeting, Dan Stone took the tyros in hand and demonstrated the glide and the right turn, accompanied by the Student Union phonograph and "Sonny" Weissman's records. The struggling beginners, including Edward "Here, sir" Ahlers were aided in their efforts by several young ladies who donated their services to the club. They were secured through the good offices of Miss Norma Lehtman, at the request of President Colant.

The Dance Club meets weekly in the Student Union on Wednesday from five to six p.m. Students desiring to become affiliated with this organization are requested to attend the next meeting and sign with Mr. Colant. The membership fee is twenty-five cents.

SENIORS INSPECT SCIENCE MUSEUM

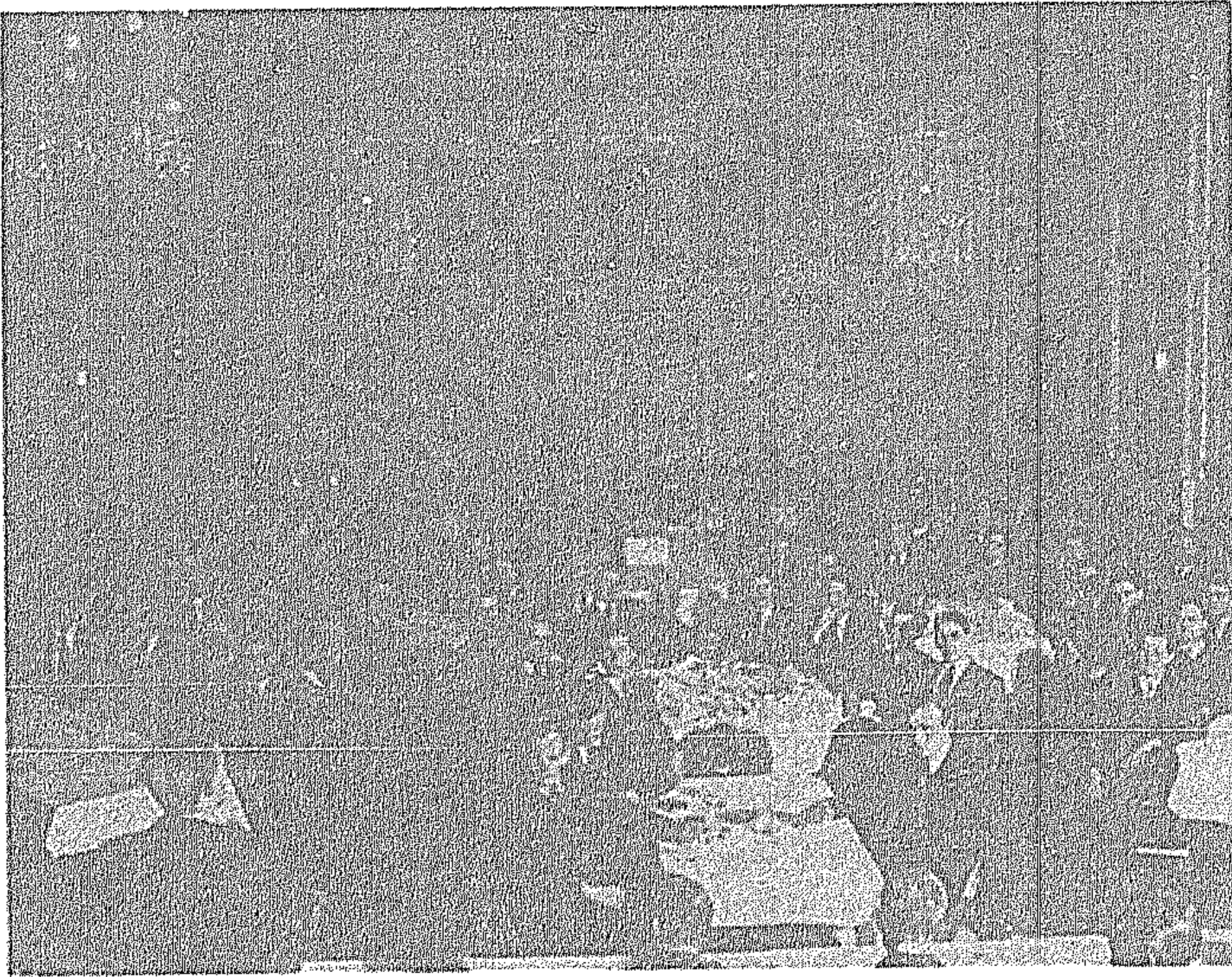
Last Tuesday, Professor Freeman's senior electrical class inspected the electrical equipment in the Rosenwald Museum. This class in "Industrial Studies" meets every Tuesday, and inspection trips are made to observe the electrical set-ups of various large industrial establishments.

The most interesting thing was the control of the dollies in the coal mine. A very clever arrangement of safety devices makes collisions of the cars impossible. All the guide does is push a button in his car. Every thing else is controlled by automatic devices.

Another interesting feature behind the scenes is the arrangement of the switchboard on the stage of the museum auditorium. A duplicate set of control-boards assures easy manipulation, and the rheostats may be operated by timing devices. The other control board is adjusted for a later part of the show.

All electricals are required to take "industrial studies" in their senior year. It is one of the electrical's most interesting classes, giving them a view of the practical aspects of this branch of electrical engineering.

INTERHONORARY BANQUET



Bob Meade, Interhonorary Council president addressing the members of Illinois Tech's honor societies at the annual banquet which was held last Thursday evening at the Swedish Club of Chicago.

U. OF C. ANATOMY LAB VISITED BY BIOLOGY GROUP

Last Tuesday, Mr. Edwin Cieslak's class in microscopic technique went on a field trip to the anatomy department of the University of Chicago. Here the class witnessed a demonstration of the Altmann-Gersh Freezing Drying Method, given by Dr. Sylvia Bensley who is co-author of "A Handbook of Histological and Cytological Technique." The Altmann-Gersh method is a technique for drying frozen tissues in a vacuum at a low temperature for the study of cells and tissues. The purpose of the freezing drying technique is to enable investigators to obtain sections of tissue structurally and chemically unchanged.

In this method, the tissues are frozen instantaneously in isopentane at a temperature of -130°C . They are then transferred to a drying chamber at -30°C . and dehydrated in a vacuum. Free hand sections made of the tissues are cleared in glycerin and studied directly under the microscope.

Materials prepared in this manner may be used for solubility studies of the various components of the cells. The validity of cellular structures can be approached by this method as no chemical or structural changes are induced.

Dr. Bensley said that by this method of immediately freezing the tissues, they were able in one instance to freeze heart sections.

Photo-micrographs of materials prepared in this manner are enlarged 255,000 times and bring out vividly the structures in liver cells and neurones.

JANITRESS FOR 35 YEARS, QUILTS ARMOUR SERVICE

Last week saw the seventieth birthday of a lady who can claim to be one of Armour's oldest employees. For thirty-five years Mrs. Jacobsen has faithfully served the school as janitress, and she has now retired. Her home is at 6229 South Richmond.

Her birthday proved to be a happy event, because the faculty and employees of the college still remembered her and sent three presents, an Azalea plant, a box of candy, and a check for \$225.

Mrs. Jacobsen was overjoyed at this unexpected token and wishes to thank everyone concerned. Although she is no longer with us, she is still represented by her daughter-in-law, Mrs. Mabel Jacobsen who works in the Student Union cafeteria.

Orcutt Speaks At Convention

In a recent trip to Atlantic City, New Jersey, Mrs. Anna Orcutt represented Illinois Institute of Technology at the National Personnel Association colloquium. The personnel representatives of many large corporations, of the army and navy, and of other prominent colleges were in attendance.

Mrs. Orcutt is the psychologist of Armour college. Her duties here at school consist in giving various types of visualization and aptitude tests. She also acts as counselor to the students.

Departmental Election Of Junior Marshals To Be Held This Week

In preparation for the coming Junior Week which starts May 5 and ends May 9, the junior class will elect its marshals. One junior marshal will be selected from each of the departments, mechanical, chemical, civil, architectural, electrical and fire protection. The junior marshals are in charge of the activities of Junior Week, which includes "open house" on May 6 and 7.

Each department of the junior class elects its own marshal and also an alternate. From the six elected, one is chosen the head marshal. The election will be under the supervision of the junior commissioners. All those elected are subject to the approval of

the Dean.

The schedule of the elections is as follows:

Department of chemical engineering, Wednesday, March 12, in room 305M.

Department of electrical engineering, Thursday, March 13, at noon.

Department of civil engineering, Thursday, March 13, in room 420C.

Department of mechanical engineering, Friday, March 14, at noon, in 202M.

Department of fire protection engineering, Monday, March 17, at the Underwriters' Laboratories.

Architectural department, undetermined, (by appointment with Miss Spies).

"What Is Below Chicago?" Topic Of Gayton Lecture To Engineering Group

Engineers Given New Course In Patent Litigation

A comprehensive course in patent law, copyright law, trade marks and unfair competition, covering a period of twenty weeks, has just been opened by the John Marshall Law School, in Chicago. Dean Edward T. Lee pointed out that it is the first patent law course offered by any school outside of Washington, D.C. Not only practicing lawyers but other qualified persons may attend the three hour sessions which are held each Wednesday evening.

The course includes the following topics: the substantive law of patents; practice before the Patent Office; the office practice of a patent lawyer; patent litigation; preparation for registration examination in the Patent Office as an attorney or agent; foreign patent law; chemical patents; copyrights; proceedings with respect to copyrights; trade marks; unfair competition, and trade practices.

The staff of lecturers, all specialists in their respective fields and all practicing lawyers, consists of: Benton A. Bull, John A. Dienner, George I. Haight, Henry M. Huxley, Harry W. Lindsey, Jr., Lester B. Mann, Frederick F. Mason, Casper W. Ooms, Cyril A. Soams, Russell Wiles, William T. Woodson, and Max M. Zabel.

Midwestern Athletes To Participate In Illinois Tech Games

(Continued from page one)

director. Assisting him are B. "Sonny" Weissman, assistant athletic director and boxing and wrestling coach; George S. Allison, treasurer; Norman Root, track coach; T. Nelson Metcalf, University of Chicago athletic director; and Alexander Schreiber, public relations director for IIT.

Thus far, thirty colleges and universities have entered the best of their athletic material for competition in the preliminary events Saturday afternoon. With one week remaining before the starter's gun signals the beginning of the first event, the total number of athletes is 400, and there are indications that another hundred athletes from at least 10 additional colleges and universities may be expected.

Among the more famous entries are full teams from such widely-known schools as Drake of Des Moines, entering for the first time in many years. There are also teams from the University of Illinois, Michigan State, Chicago, Marquette and Northwestern, all competing in the university division.

In the college division, returning to the scene of repeated team championships, are such popular combinations as those of Michigan Normal, last year's winners; North Central, recognized as the most outstanding small college entry from this area; Northern Illinois State Teacher of De Kalb, as well as Western Illinois State Teachers of Macomb; Western State Teachers of Michigan; Carleton College of Northfield, Minnesota; Milwaukee Teachers; Coe College, Iowa; Dubuque and Iowa Teachers of Iowa; and Monmouth and Knox Colleges, both reentering the Games after several years absence.

Clear Discussion Of Pertinent Problems In City Services

Thirty-eight hundred miles of iron water pipe and more than eighty million dollars worth of utilities, compose only a part of the extensive underground network that lies beneath the city of Chicago.

Gayton Talks to A.S.C.E.

These facts were explained to the A.S.C.E. on Friday, March 8, by the speaker, Mr. Loran Gayton who is assistant civil engineer to the city of Chicago. Mr. Gayton showed with slides the development of the underground system.

New Filtration Plant

The Sanitary District of Chicago operates a vast system of sewerage. A one hundred and sixty-eight mile tunnel helps to take care of the sewage disposal problem. A filtration plant which will be the largest in the world is being constructed at 79th Street and the lake.

Freight Tunnels Still Used

The freight tunnels play an important part in the maintenance of large buildings in the loop. These tunnels are used to haul incoming and outgoing freight, coal, rubbish, etc. The trucking industry, however, has taken over part of this business, but the freight tunnels still render an important service.

The utilities maintain a vast network of underground lines. These lines are usually located seven feet beneath the surface of the ground. During the building of the subway, the utility lines, freight tunnels, water, sewerage and gas pipes have presented a major problem. This network had to be relocated before the new subway tube could be projected.

New Subway a Problem

Three different problems in the digging of the tunnel have had to be met. The first, digging through hard clay, was accomplished by tunneling, and then supporting the clay roof with heavy timbers. Digging through soft clay was done by use of a large steel shield which was pushed forward. A third problem, extending the subway under the Chicago river, was accomplished in an interesting manner. A desired portion of the river floor was excavated, and a twin steel tube two hundred feet long was sunk into place. The tube was built in a dry dock at South Chicago and then floated to its final resting place under the Chicago river at State street. The old State street bridge had to be removed for the operation and will be replaced by a new and larger one.

Honorary Frats—

(continued from page one)

people who are willing to work and think. This I.e. said was contrary to the impression created by the usual run-of-the-mill commencement speaker.

He related many actual examples of success that were attained by people who were willing to observe the faults of the world about them with an eye for improvement. "The development of a proper sense of values," he said "is of prime importance to the young student." In conclusion he urged the student to cultivate a broad general viewpoint, a true understanding of his fellow man

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VOL. 27—No. 4 MARCH 11, 1941

FREEDOM OF SPEECH . . .

Although freedom of speech has been dealt with before, we feel that now more than ever there is a need to clarify the meaning of freedom of speech, its proper use, and its advancement among college students.

Our history pages are well scarred with tales of great men who were given no chance to voice their ideas, thus setting civilization back several generations. This we hope will not happen during the present crisis, and it can be prevented to a great extent by the use of the privilege of freedom of speech.

We do not mean to say that free speech has in any way been prohibited at any U. S. college, much less I. I. T., for in this is not so. But freedom of speech can be criminal in its misuse by the very people who could do so much for its advancement. College students and faculty have in their power to advance or to discontinue the privilege of free speech. Unjust criticism of students and faculty by their co-workers, and soap-box blah by undemocratic minorities are two examples of the imprudent use of the privilege. And it is just this that has lead many people to desire some form of censorship. But there are many dangers even in slight censorship, for if absolute free speech is not permitted in colleges, there is little hope for true advancement in education for the student with original ideas, for the faculty with its experience, or chance for the future students and faculty to obtain the fullest benefit of previous experiences and ideas.

A student may come across something in his reading that gives him an original idea. So obsessed does he become with the idea that he must find a means of expressing it. This he does through the medium of free speech. For it is only after he has given voice to the idea that its value can be determined. Members of the college faculty are often instrumental in aiding or discouraging the ideas of their students because of their more valued experiences. The faculty, too, were at one time students in college. Now as members of the teaching board of this branch of higher learning they are engrossed in an even greater study. For it is largely upon their shoulders that the duty rests

not for the training of youth to be citizens—for that should already have been done—but for the advancing of clear thinking minds of the college citizen, thus enabling them to become leaders in educational citizenship. In this role, freedom of speech is fundamental. For without it faculty members could do little but impose on the students one line of thinking, a biased philosophy, and a one sided standpoint on religious, political, or social views—thus making actual advancement of progressive thinking among the students.

To the future students and faculty the present students and faculty have a great duty to perform that of using and preserving free speech in the advancement of education. From the past we have been handed numerous literary, scientific, industrial and educational achievements. Germany up to almost the present day has been recognized for her great scientific advances. Now that freedom of speech has been taken from her colleges, she stands stripped of all advancement with only her past record to fall back on. The fathers of our American Constitution granted us freedom of speech here in the United States. It is up to the colleges to see not only that this right is never taken from the American people, but also that this right and privilege is perpetuated for future generations so that they too may reap its richest reward and obtain its greatest benefits.

P.A.

RESEARCH FOUNDATION

(This, the third of a series of articles describing the work of the Armour Research Foundation, is a continuation of a description of the mentioned Engineering Division labs, the last ones mentioned being the fuel labs.)

On the second floor, directly above these two laboratories, is a third devoted primarily to the development of food processes. In this newest addition, at present, are facilities for the study of wheat milling and meat processing, including three large constant-temperature cabinets adjusted to different conditions. Prominent in this laboratory is a small scale experimental flour mill which, although complete in itself, is soon to be replaced by a still larger and more refining mill now enroute from Switzerland.

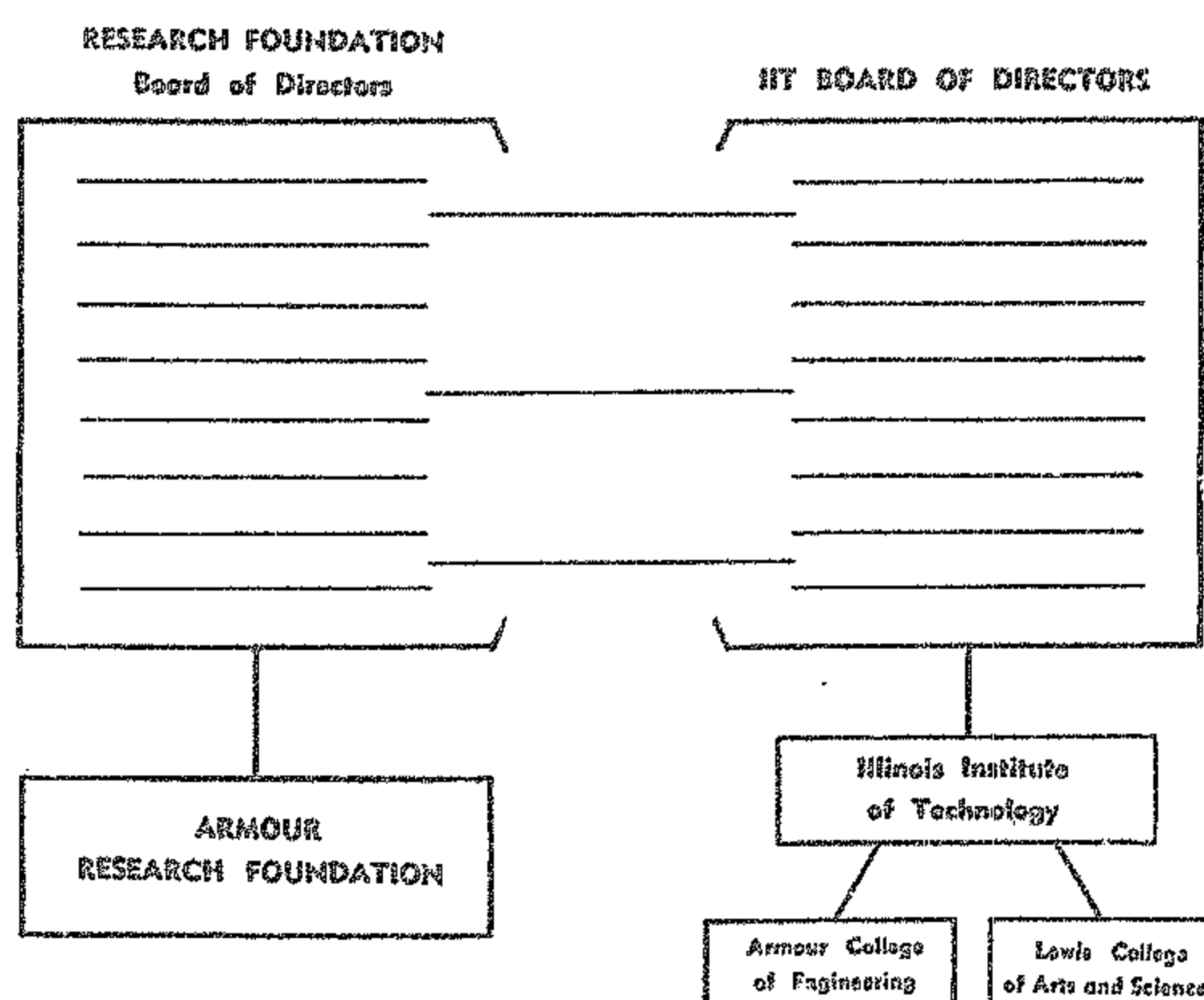
Another laboratory of the Chemical Engineering Division is located in the new Experimental Engineering Building. This unit is a complete chewing gum factory, employing full-size industrial equipment. Air-conditioned and fluorescent lighted, this pilot plant embodies only the most modern factory features, and provides a means for developing new process refinements in its field.

For investigations involving furnaces, boilers, and the burning of fuels this division shares with the Experimental Engineering Division the large combustion laboratory on Dearborn Street. It is in this building, described in detail in an earlier article, that industrial steam-raising applications of colloidal fuels have been studied.

Current and recent chemical engineering research includes projects on vegetable and fruit processing, flour milling, meat packing, chewing gum, beer, coal treatment, drying, colloidal fuel, food dispensing equipment, corrosion, shipment and storage of industrial and military supplies, piston-ring wear prevention, stoves, special photographic studies and a survey for vacuum pump improvement.

Because of their confidential nature, many of the Armour Research Foundation projects cannot be announced even by subject. Sometimes the sponsoring concern asks that the company name be kept secret for competitive reasons. In other cases a part or even all of the information resulting from research may be contributed to the scientific literature, depending upon the wishes of the sponsor.

Corporate Setup Of IIT
 And Research Foundation



QUOTE & UNQUOTE

How to Make Friends—and!
 Are you looking for a fight? If you are, no matter how calm things may appear on the surface you can always find something to quibble about. In case some of you readers do not yet realize to what I am referring, I will be more explicit and say the relations between the Armour and Lewis campuses. Don't get mad yet; wait a minute. I attend classes at Lewis and feel that I am as loyal to Lewis Institute as any of you. But I believe in looking at both sides of the picture.

Sure, we have a rightful kick on some of the items which have appeared in the paper recently. Yet, I wonder whether we have ever stopped to think that here we are on the Lewis campus, supposedly studying the humanities and learning to understand human nature, but seldom do we stop to think what the reason has been for some action taken at the other campus. Have we tried to understand the fellows at Armour and their motives? I wonder, or are we too anxious to look for a fight, something on which we can feel that we've been over looked. Mind you, I don't say things have been smooth as silk. They haven't. Not by a long shot. Yet if we realize that this merger idea is as hard for them to get used to as it is for us, and they too are used to going their own way, perhaps we can understand them better.

Before you Armour get the idea that I am merely chastising the Lewis students, let me hop on you. Just remember I admire your ability and initiative, but we do like to be remembered as a part of I.I.T. Try to understand us as I hope the Lewis students will try in the future to understand you. Remember that some of us over here have school spirit, and we're working against odds. Approximately 80% of our students hold full time jobs beside going to school. Also an immense number of our students are already settled in "that middle age slump." See now what we're fighting.

How about us all remembering in the future that the other fellow has a view point, and that we will find what we look for. Now who is looking for a fight? Let's all answer, "Not I," and work together for a more perfect understanding.

Wide Eyed

A New Club?

In response to your editorial of last week calling for some sort of up-surge in the cultural level of engineering students, I would like to point out that culture is many-faceted and that while one or more of the many sides of it may satisfy one type of student, different aspects of culture may be desired by other fellows. Thus it would appear that true cultural achievement must be attained through extra-curricular activity for the most part.

In view of this conclusion several men on the campus have decided that some sort of public speaking forum, perhaps on the style of "Town Hall of the Air" would be a good thing for the student body in general, since it would be neither a dull debating society nor a calamitous open forum, still rather vague. Generally speaking, though, most topics would probably be either scientific or political and in the form of individual presentations of papers, symposiums, debates with a tough moderator at the helm and the usual question-asking, heckling audience. From all this it becomes obvious that one of the main objectives of such a group would be to actual public speaking under the conditions that a real speaker would encounter.

Dr. Olsen, Professor of English, has already promised to act as our sponsor, in which capacity he will serve as a very able moderator and a general fault-picker in any arguments. Dr. Olsen will, of course, also give pointers on speaking technique, excluding "grammar and diction." With his sponsorship promised, we proceeded to the dean's office, where Acting-Dean Professor Peebles received the idea enthusiastically and promised us his full support.

Since we have the approval of both the faculty and the administration, it is now up to the student body to present such a group with a really active membership. Our present plans are to launch a very general meeting at 10 a.m. some not-very-distant Friday when a dearth of professional society meetings exists in order to get a large initial turn-out. Thereafter, we shall see.

Bernard Chertow, Ch.E. '42

KATHRYN JUDKINS, PERSONNEL AID,
 AUGMENTS LEWIS CO-OP DIVISION;
 WILL FUNCTION AS CO-ORDINATOR

An addition has been made to the staff in the new Co-op division at Lewis. This addition is Miss Kathryn Judkins who has had the experience necessary for the position as co-ordinator of the Co-op course in Business and Industrial Management.

Miss Judkins was born in Indianola, Iowa, and attended grammar and high school there. After having been graduated from high school, she took a liberal arts course at Simpson College, in Indianola, majoring in music and education, and received a B.A. degree.

As music supervisor in public senior high schools, Miss Judkins was located in Nevada, Iowa; Richmond, Indiana; and Waterloo, Iowa. While in each of these cities, she was active in the musical organizations in both the school and the community. Her summers were spent doing graduate work at Northwestern University. She is a member of Delta Delta Delta and Mu Phi Epsilon sororities.

After deciding to change her life's work from the field of music to that of business, Miss Judkins did some special work at Marshall Field and Company and attended the Prince School of Personnel and Store Management and Simmons College, Boston, Massachusetts, receiving a B.S. degree in personnel and store management. She spent several years in personnel management and training work with large retail firms in Boston and Chicago.

Miss Judkins did the pioneer work in instituting distributive education programs in retail business in schools in Aurora, Joliet, Rockford and Chicago Heights. This led to the desire on the part of Rockford merchants to establish a company program which included cooperative training for post-graduate students of the Rockford Senior High School as well as regular employees of the various retail stores. Out of the group of post-graduate students trained, 80% received full-time positions upon completion.

MIDWEST TRACK STARS GATHER FOR RELAYS

Last Year's Champions Return; Several Old Records At Stake

Ed Thistlethwaite Enters Pole-Vault

Representative schools of the midwest make the 13th Annual Illinois Tech Relays a wide open field for new records and thrills.

From these colleges and universities come athletes many of whom are defending champions in the scheduled track and field events. Northwestern University's Joe Finch, daring hurdler who has been making a name for himself in the Big Ten conference this year, will be defending his 70-yard high hurdle record against several Marquette timber-toppers. Another of Marquette's runners, Walter Shelton, dashman, whipped in a photo-finish last year by little "Gene" Littler, Nebraska star, will be returning to regain his hold on this 70-yard event. Shelton is co-holder of the record in this event with Littler, two former University of Illinois athletes and one from Carleton College of Minnesota.

Another returning defending champion is Terwilliger of De Kalb Teachers who won the quarter mile in the college field with a time of 51.5 seconds, while Jenkins of Iowa Teachers will defend his crown in the one-mile run.

In the team championship competition, both of last year's winners are returning. While there is no actual award in the university division for total team points gained, the highest scoring team is always recognized as the winner in this division. Marquette University of Milwaukee rated this honor in 1940 by virtue of an especially well-balanced team in all events as well as fast-running combinations in the relay events. Marquette placed first in the two

Review Of '40 Relays Reveals Keen Spirit

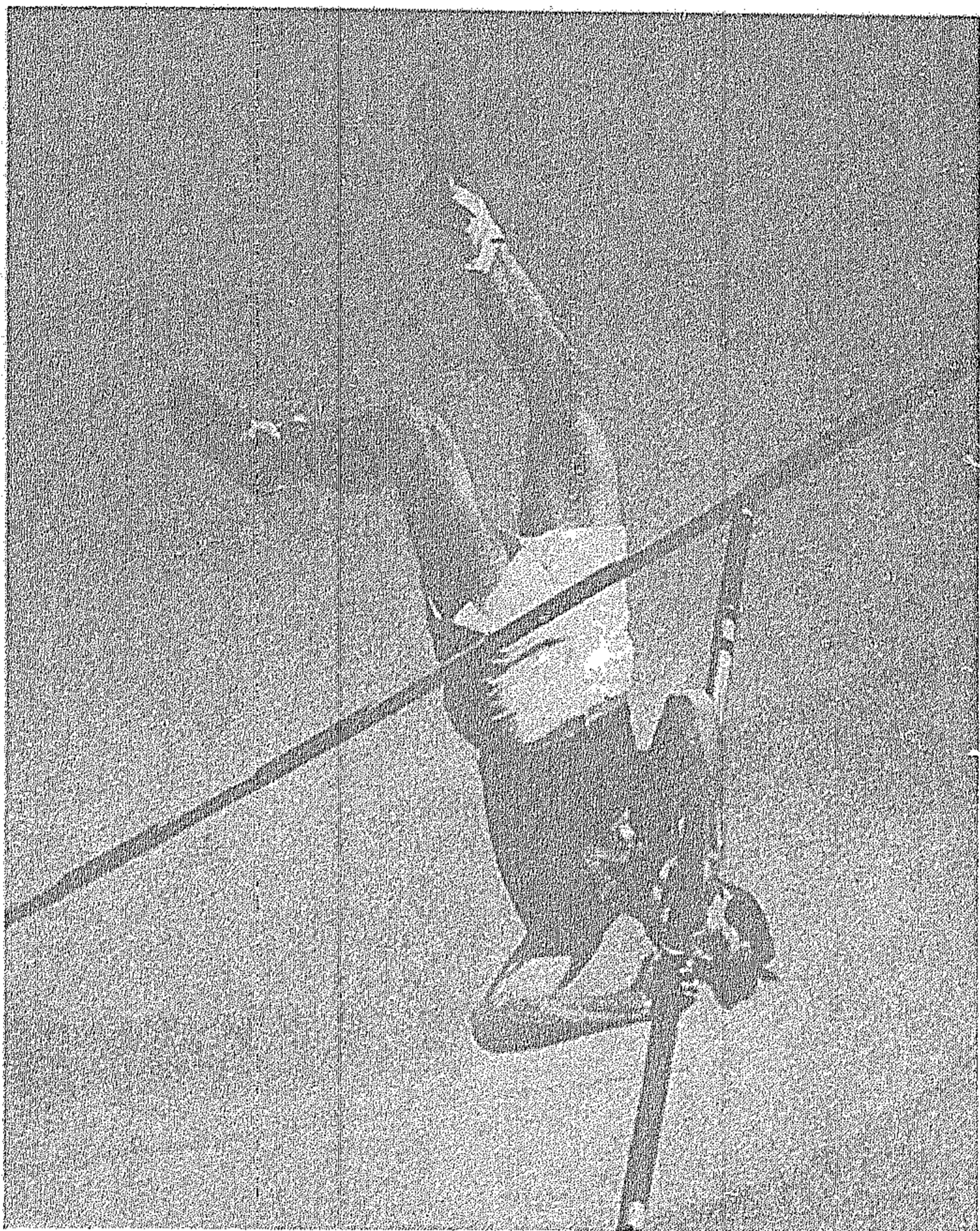
Last year's Tech Relays presented one of the biggest and most spectacular track meets that the midwest has seen for a great many years, and can only be surpassed by the coming Illinois Tech Relays, which will be the thirteenth annual invitational presentation by IIT.

Such stars as Chuck Fenske, the "red meteor" from Wisconsin, Jimmy Smith of Northwestern, Elmer Hackney of Kansas State, and Ed Thistlethwaite of Northwestern competed. Also, there were several new stars born, namely, Bill Williams of Wisconsin and Harold Hunt of Nebraska. These men forced Thistlethwaite defending title holder, out of the pole vault at a height of thirteen feet six inches, and went on to a tie for first and second place at a height of thirteen feet nine inches after attempting to set a new record of fourteen feet, but each failed in three attempts.

Fenske's three-quarter mile run provided the thrill for the evening as he flashed across the tape in 2:59.7 to cut 3.7 seconds off of the old record of 3:34 seconds which was established by Lloyd Hahn in 1925. Two other records were broken and one record was tied as Michigan Normal of Ypsilanti paced the college division to retain the college trophy for the second time in two years. Although there were no trophies awarded for team performance in the university division, Marquette, by unofficial count, was high scorer with 56 points.

With the possible exception of Fenske's remarkable exhibition, the university two mile relay af-

OVER THE TOP!



Up and over goes Ed Thistlethwaite, Northwestern track star. Record holder in 1939, he is looking for new laurels this year. A consistent hitter over 13 feet, 9 inches, he may break his own record.

Tennis Men Open Spring Practice; Face Full Card

With the advent of spring and an early tennis schedule to fill, the Techawk net men are beginning pre-season practice sessions at the 108th Engineers Armory this week.

Coach Hal Davey has issued a call for new material and all new men will be given their chance to make the squad in these practice sessions. Announcements as to the date and time of these practices will be posted on the bulletin boards.

Heavy Schedule

Faced with an unusually heavy schedule and the rebuilding of almost an entirely new team. Coach Davey will have less than a month to mold the team into shape for its first match.

Returning to compete for the scarlet and gray will be three lettermen from last year's squad. Captain Bob Lange, Mike Schultz, and Dick Dunworth.

New Men Shine

Fall practice sessions which were initiated last year brought forth several possibilities for filling the remaining positions on the team. Among those competing for places on the squad are Earl Sherman, Charles Woehrl, Don Schiller, Jim Ferguson, and Dick Larson.

The netmen will open their nineteen-match schedule by being hosts to Loyola University Thursday, April 3, on the University of Chicago courts which will be the site of all the Techawk home matches. Included in the schedule is a Junior Week trip to Indiana when the racquetteers will play Indiana State Teachers, Butler University and Purdue.

SEASON ENDS FOR FRESHMAN TEAM

TECH SHORTS

By John Butkus

Bill O'Brien's Frosh Cagers ended their 1940-41 cage season last Thursday as they went down to defeat at the hands of the fast improving "B" team by a score of 37-28.

In the first half of this game, the "B" team led by "Sunny" Sundstrom went ahead at the half 16-12. Dan O'Connell and Ed Lally collaborated to score all of the points for the Freshmen in the first half, scoring six apiece. In the second half, Silla, the "B" team's high scorer, potted four baskets to bring his total to ten points for the game, while Lally capped scoring honors for the freshmen by making ten points.

As a team, the Greenlings are not as well developed as they could be. Their season record of five losses indicated this very plainly. However, O'Brien's work has not been entirely in vain, for there are three men who have developed so well that they have already been moved up to the varsity. They played in the St. Sabina's tourney recently. These men are Danny O'Connell, Bob Kidd, and Jim Dunne.

Lose to Varsity

Due to the fact that most schools do not have intercollegiate freshman basketball, only five games were played. However, in the first of these five games, the freshmen showed up remarkably well against a strong Loyola team but were defeated 25-18. Then, in their second game, they gave the Varsity quite a tussle, even though they did end up on the short end of a 28-18 score. The Greenlings third and fourth games against Elmhurst and the Lewis Frosh, respectively, were heart breakers and could have been won had the breaks fallen their way. The scores of these games were Elmhurst frosh 18, I.I.T. 15, and Lewis Frosh 22, Armour Frosh 19.

Those interested in organizing softball teams kindly submit your list of players to Coach Stenger. This is required so schedules can be made as soon as possible. Competition is expected to start about the middle of April or as soon as the weather permits.

* * *

And here is some good news for the golfers. Mel Korrell, who was about to leave IIT for the army, will play with the team after all. It seems that the draft will be without another good Techman.

* * *

Yippee!! The Junior Arx have three young ladies on the team. This has been the first team they have entered in the tournament for quite a number of years. That is the spirit—gals.

* * *

Last Friday, March 7, the boxers left for Valparaiso to repeat their previous victory of 2½ to ½. The team is in very good shape for the meet.

* * *

The deadline for the Intramural Softball entries has been extended. It is the managers' hope that more freshmen participate this year. Boys, look at the Arx turnout!

* * *

Congratulations to Howie Pendlebury! The basketball players elected Howie as their captain for the next season. The sports department wishes him a successful year.

* * *

Here is news! Sonny bet Jesse that he could bowl a 200 game. Came the game—came the score. Sonny returned with 235. Jesse and the grapevine got to work and came out with a different story. The actual score happened to be 135. Sonny, is that nice?

PAST WINNERS OF TECH RELAYS

1929	Chicago		
1930	Armour		
1931	Loyola		
1932	Indiana		
1933	Chicago, Illinois State, Northwestern		
1934	Michigan State		
	University Division		College Division
1935	Pittsburgh	1935	Butler
1936	Kansas State	1936	Wayne
1937	Wisconsin	1937	Wayne
1938	Illinois	1938	North Central
1939	Marquette	1939	Michigan Normal
1940	Marquette	1940	Michigan Normal
1941	?? ??	1941	?? ??

mile event, nosing out Illinois by a scant margin and then trailed the latter in both the sprint medley and the one-mile events for second places, to pile up the largest university division point total.

Northwestern sends a team favored to capture the University championship. Ed Thistlethwaite is looked upon to cop the pole vault and set a record. He is backed up by Myron Pikey in the dash; Joe Finch, ace hurdler; Don and Jim Smith, high jumpers; Jerry Schneider, 440; and Chuck Horvath, hurdler.

Michigan Normal returns to defend its title in the college division. They have a well balanced team and will be hard to beat. Close contenders for the crown will be Loyola of Chicago, winners of the Midwest Intercollegiate at Naperville a week ago; North Central of Naperville, Iowa Teachers, and Lawrence College of Appleton, Wisconsin.

forded the greatest thriller of the night by staging a nip and tuck battle between the crack squads of Marquette, champions in the university division, and Illinois, runners up. First the Illini and then Marquette was in the lead, the baton changing being the important factor. As the two anchor men sped into the final lap, Illinois was far in the lead, but Pruski, a tall serious Marquette runner, put on a tremendous burst of speed to bring the crowd to its feet in a photo finish which showed Marquette to be the winner, and at the same time setting a new relay record of 7:54.4.

All in all, the Twelfth Annual Tech Relays held the audience spellbound for several hours. The performance was of such high caliber and thrilling nature that the audience did not leave until the last man had made his final effort at the pole vault.

1941 TENNIS SCHEDULE

April 3	Loyola University at IIT
April 9	DeKalb at IIT
April 10	Wabash at IIT
April 17	IIT at Chicago Teachers
April 23	IIT at University of Chicago
April 26	IIT at Lake Forest
April 30	IIT at George Williams
May 5	Lake Forest at IIT
May 6	Chicago Teachers at IIT
May 7	IIT at Indiana State Teachers
May 8	IIT at Butler University
May 9	Illinois Tech at Purdue
May 12	Indiana State Teachers at IIT
May 14	George Williams at IIT
May 20	IIT at Loyola University
May 21	DeKalb at IIT
May 23	IIT at Concordia
May 27	Wheaton at IIT
May 31	IIT at Wheaton

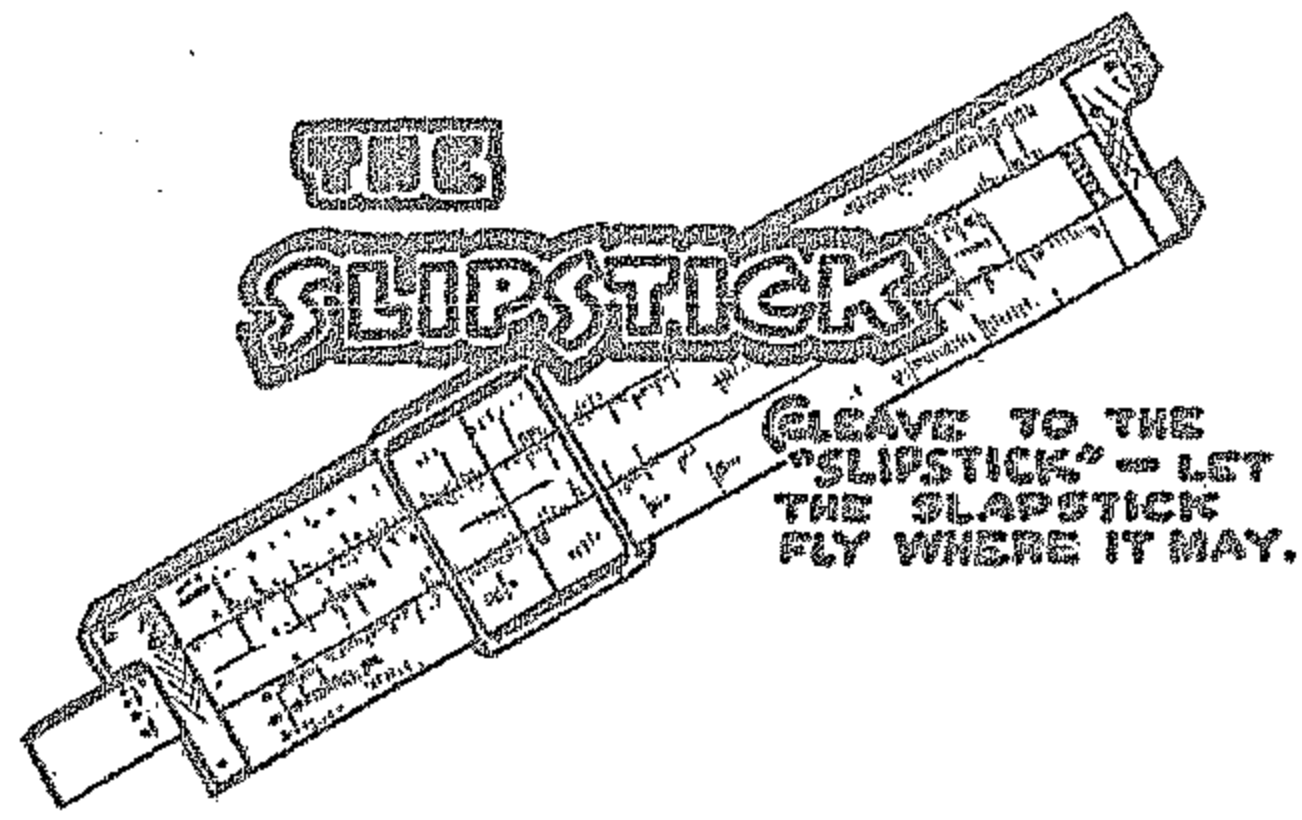
Tech Cagers Lose; Name New Leader

Tech's cagers entered the St. Sabina tournament on Sunday, March 2. They played St. Mel in the opening round and lost by two points 30-28.

The first half was slow and ended up with the score 12-9 with St. Mel on top. Howard Pendlebury and Jack Byrne found the basket in the second half and scored 16 points between them. With the score see-sawing back and forth, the Techawks tied the score with a few seconds to play. Then, King of St. Mel basketed a two point advantage which remained for the rest of the game.

The game marked the end of Henry Sliwa's and John Brierley's basketball careers at Illinois Tech. It was the beginning of the work of Dan O'Connell, Bob Kidd, and Jim Dunne on the varsity.

Following the St. Mel game, Howard Pendlebury was elected the captain of the Illinois Tech team of '41-'42.



Hebbo dere. How are all ub you today. Sprig is onwy two weeks away but I hab one ub dose nice sprig codes ride now, or are yez after tellin' me to cut the blatherin' and spill a couple of joine jokes . . .

* * * * *
Mr. X.S.: What have you been doing Lillian? Why it's three a.m.
Miss L.S.: Walking, dad.
Mr. X.S.: For goodness sake!
Miss L.S.: Yes, dad.

* * * * *
Tragedy
"I wish I were a blond."
The lovely brunette sighed,
And went right out and dyed!

* * * * *
A student makes his bed and has to lie in it.
A professor makes his bunk and has to lie out of it.

* * * * *
ANCHORS AWEIGH NEVADA
Here's to the ships of our navy
And the ladies of our land.
May the first be ever well-rigged
And the latter ever well-manned.

* * * * *
Mrs. Blank: It's cold tonight, Sara; you had better put an iron in your bed to warm it up.
Sara: All right, mum.
Mrs. Blank (next morning): How did you sleep last night, Sara?
Sara: Pretty good, ma'am. I had the iron almost warm by morning.

* * * * *
A girl who knows all the answers learned them from going around with fellows who ask all the questions.

* * * * *
Far From It
"I see where some scientist claims there are intelligent creatures on Mars who are trying to get in touch with the earth."
"What do you mean, 'intelligent?'"

* * * * *
A cultured woman is one who, by a mere shrug of her shoulders, can adjust her shoulder straps.

* * * * *
Father's whiskers old and gray,
Always getting in his way;
Mother chews them in her sleep,
Thinks she's eating shredded wheat.
Father: Is there anything worse than to be old and bent?
Son: Yes, to be young and broke.

* * * * *
A maiden lady lived in a small house in the country with one maid. One morning the bell rang. The maid admitted the visitor, an evacuee officer, arranging homes for children evacuated from London, then, rushed upstairs.

* * * * *
"Please mum," she blurted out breathlessly, "you've got to have two babies, and the man's downstairs!"

* * * * *
Van: Next to a beautiful girl, what do you consider the most interesting thing in the world?
Ray: When I'm next to a beautiful girl, I don't bother about statistics.

* * * * *
"So your daughter is about to marry. Do you really feel she is ready for the battle of life?"
"She should be. She's been in four engagements already."

* * * * *
Tailors have definitely decided that the two back pockets in men's trousers are not needed. Repeal did away with the neces-

(continued on page seven)

The Greeks Had A Word For It

GODS

Robert J. Creagan

The interfraternity council met last Tuesday at the Pi Kap house. Bob Greenberg gave a financial report on the interfraternity dance held at the Congress Casino and the matter was closed. A suggestion was made that the trophies be replated, but nothing was decided except that Heidenreich is to buy a new ping pong trophy. All houses are to write up material to put in the Polygon, and submit it to Greenberg. The next meeting of the council will be held at the Phi Kap house, at which time the basketball trophy will be awarded. Tentatively, the interfraternity-swim will come off some night during the first week of April.

Beta Omega announces the pledging of Delt Ed Carmody who showed up slow but effective in the contests held in conjunction with the last meet. B. O. N. may become a national interfraternity honorary if the proposed chapters at other schools materialize. Thus Armour's chapter would be the Alpha chapter.

Alpha Sigma Phi pledged Bill Belker M. E. 1. The Alpha Sigs showed what their powerful team could do when they beat Triangle 54-11 in basketball last Thursday. McCullough starred for the "Asps" and made eighteen points in the process. Hus-sander, Rittenhouse, Hackbarth, and Anderson were the other high point men.

Pi Kappa Phi formally initiated the following men last Sunday: Robert J. Eimerman, CE 1; John B. Hiatt, ME Co-op 2; Edwin John Mark CHE 1; John A. Morse, CHE 1; Walter R. Poppe, ME Co-op 4.

This column wishes to announce a "ful-filled as predicted" "blessed event." Frances the Pi Kap cat, had four kittens on Sunday. Willman and Heidenreich won the pools for the proper day and number of kittens respectively.

Phi Kappa Sigma has pledged three new men in the last three weeks. These boys are Kenneth Page, George Valentine, and James Hanna. Page lives in Chicago and Valentine and Hanna are from Elgin.

On Saturday night, March 8, the Phi Kaps had an informal little party at the fraternity house. The boys and girls danced to the radio and the inexhaustible supply of popular records.

Will Rehnaks, a brother Phi Kap from Illinois, has transferred to Illinois Tech. He lives in Lockport, Ill., and is a sophomore electrical.

Phi Kappa Sigma won its first basketball game when they played Rho Delta Rho on Feb. 26. The score was 35-14.

Triangle announces the pledging of Bob Anderson, a freshman and one of the photographers for the News. Some of the boys brought dates down to the house and had an impromptu dance last Friday night. No one seemed to notice that the RADIO was playing. Triangle is planning a big St. Patrick's day party for March 15, and one of the boys has promised to furnish enough women to go around twice if need be. Now maybe Wood can get a date.

The Dells won a basketball game from the Pi Kaps 31-18 and thus advanced to the semi-finals of the tournament. Suthers and Hoffman were the spark plugs for the Dells.

This is "Courtesy Week" at the Delt house and the pledges will enjoy a week of robust fun learning to "sip the bitter but healthful cup of initiation." Formal initiation will take place on Sunday afternoon. An informal dance was held last Saturday at the "Delta Arms" and the boys did Terp-sichore and Adam Lazonga in their respective fields of endeavor.

It seems that the Gamma Rhos are perpetual bowlers. The other day, JACK PERKINS came through with "232." Oh well—he's just an "ACE" at everything! The boys were undefeated throughout the entire bowling season. A pretty good record, boys! Keep it up.

They have originated a new game called "26". No, not dice—milk wagons! Every Sunday morning before 8 a.m. they must have counted twenty-six milk wagons, or they can't go home. I don't get it! Time's awasting . . . so don't forget to get your bid for the "SPRING THING."

GODDESSES

By Helen Marzullo

Well, March is here and all's well . . . so far!

Last Friday, the Sigmas had an election of officers. Olga Marcoff has resigned as president because her work outside of school keeps her very busy. Eight hours of work after a day in school is no easy task! The officers who were elected will remain in office until June, 1942. Returns of this election, however, haven't come in yet!

Sigma Omicron Lambda Sorority has ended its rushing parties with a delicious supper which was served in the Sorority Apartment. The tables were beautifully decorated with fresh roses, sweet peas, and daisies. Elaine Simon and Mary Anne Knirsch shouldered the responsibility of preparing the supper. They certainly can manage the kitchen . . . and its utensils. They made shrimp cocktails and salads; they baked ham and potatoes; and as a dessert they served peppermint flavored ice-cream, cookies, and coffee. Congratulations, girls . . . I'm sure that your guests were well pleased!

The Lambda Formal Rush was held last Saturday. Supper was served in the Piccadilly Tea Room of the Studebaker Building, after which the girls enjoyed the play, "Pins and Needles." They were donned in their "Saturday evening best," and were indeed very charming.

Now that the Phi Delta Kappa members have finished their rushing for this quarter, the girls are concentrating on their studies. Just two and a half weeks left, you know! Last Sunday, Florence and Howie went to see how Elizabeth and Sidney are getting along . . . now they're Mr. and Mrs. The set was perfect, and that always serves as a good example. Louise Schultz is planning to be married in June, if the "drafters" don't take Alex before then.

On Thursday, March 26, the Phi Beta Pi Sorority is going to enjoy a show and a dinner . . . it's just sorority recreation. Jane Schatzman has recently returned from Florida, where she vacationed for a couple of weeks.

Arx News

Ripper Rozanski has been tearing out his six hairs trying to think of a new joke to spring on Daly and Dunlop. Could be that Ripper hasn't been using his staggering cure for colds, indigestion, beri beri, etc., lately. . . . What model in life found burrs in her dressing gown? And why was Prof. Krehibiel, of the same class found wandering about the Art Institute with his right shoe on the left foot and vice versa? That just goes to show what an education in life does for you . . . After last week's gossip onslaught, Honey Child was heard bemoaning the fact that she was losing her reputation for being the faithful type. Be faithful to them all Honey, and besides, maybe these papers don't get to Schenectedy. (P.S. Honey) This goes to show that this is a purely unpolitical column. . . . We regret to announce the fall of the We Hate Fems Society. Lindgren was overheard calling an art school dame dear. Michaelson was caught in the cafeteria sipping java with another artist. And we hear Storz is once again skating (wolfing) at White City. Tsk, tsk, three good men gone wrong. . . .

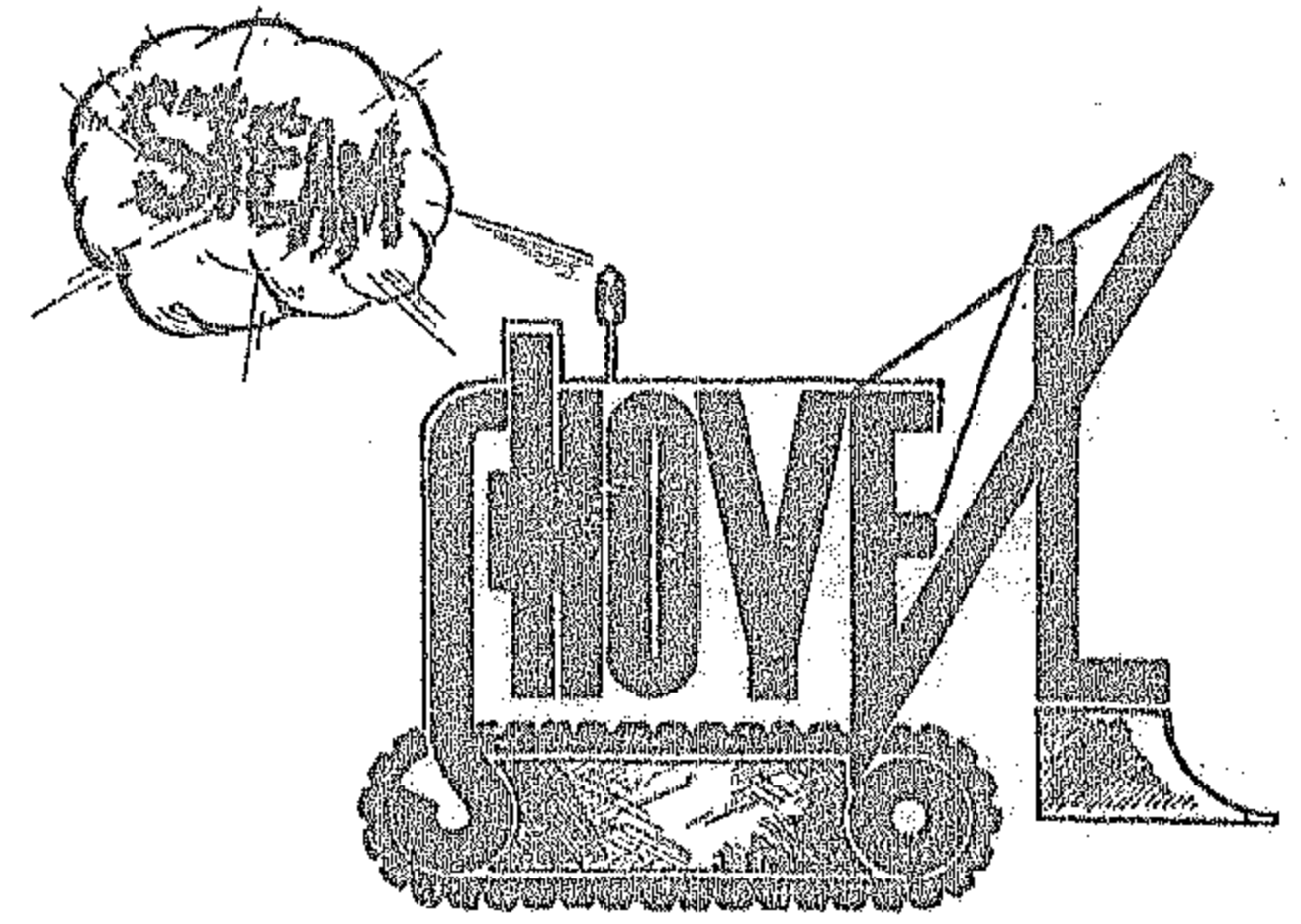
Purely Personal Patter:
"Hot foot" Kuliecke's one and only was seen flashing a sparkler, but he won't talk. 8 to 5 Young has developed a heaterless system for keeping warm in parked cars.

Daly is now padlocking (with several locks) his coat to the wall. That probably explains why the freshmen are a snappily dressed bunch.

The Arx are finally ready to invade Armour. The juniors recently entered a team in the intramural baseball tournament. If nothing else, this should put them in trim for the annual junior-senior slugfest.

Casanova Comfort, with his snappy new outfit, has been slaying the women. Must be better even than the "hot" coats that were seen on certain upper classmen shortly after Xmas.

Well, so long, and if you find any of those delightful Southern Belles—send em around.
GUS TOPPO.



Though the Formal is over, dashing exploits of that memorable eve still echo and re-echo about the campus. The long and short of the evening is Lou Piper who arrived home at 1:30 that morning and Armour's wandering boy, Ed. Michalek, whose time for a return trip was 6 hours, Note: it's a lot shorter via Crown Point!

* * * * *
FLASH: Calling all women! Dick Larson; long the chief hermit of the high and mighty brotherhood for the Perpetuation of Misogynism Throughout the World; has at last gone out. Here's your chance for an eligible bachelor, girls, and besides, he's soo-o-o-o cute.

* * * * *
To the Fifth Columnist, (usually referred to as IT); How distressing it must be to you to write week after week, knowing that the only persons who read that mess called the Blitzkrieg are the editors, copy readers and the linotype men. And incidentally, the linotype men have raised a protest to their union; they refuse to set any more of that tripe.

Linotype Operator's Note: Hm-m-m is that what you call it?

* * * * *
More after effects of the Formal. Ralph Jahuke attempted to wrestle in the Wheat-on invitational the next afternoon. In his first bout, the ref no sooner said "wrestle" when—bang—down went Ralph. It took his opponent exactly 56 seconds to turn Jahnke over from his "flat on my stomach" position to that position legally required by state wrestling rules before a verdict of "pinned" can be handed down by the ref. To get a verbal picture of Ralph's second bout re-read the above but let "Delta T" equal 58 seconds! (Courtesy Sonny Weissman.)

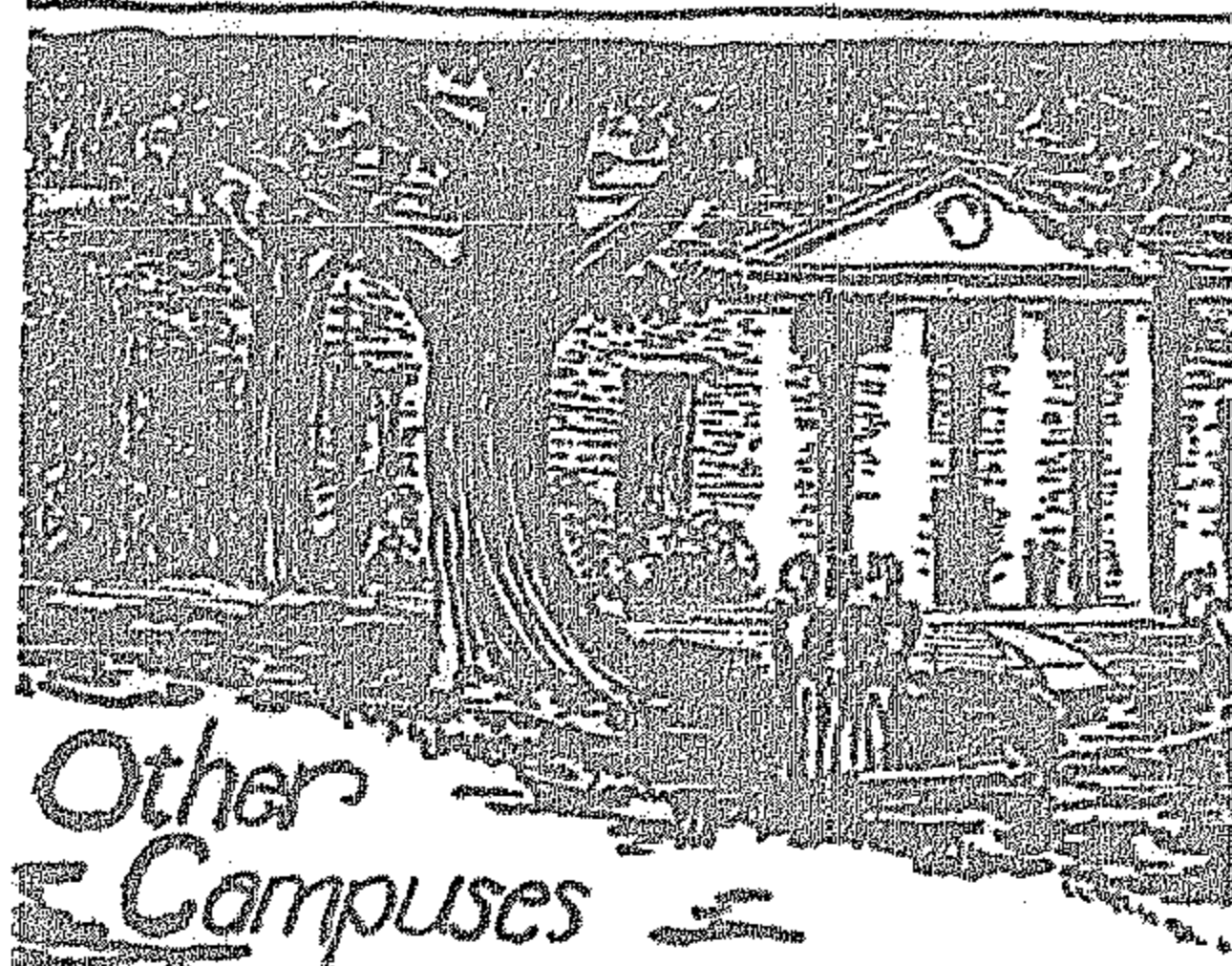
* * * * *
How touching! Yum, Yum, Kiss me! — after that inter-honorary feed a few of the boys stepped out into the Michigan Boul. and much to their amazement, found themselves under the influence of some mysterious attractive force which didn't quit acting on them until they were comfortably seated at the bar in McGovern's Liberty Inn on North Clark. After plentifully indulging in refreshment and thoroughly enjoying the floor show, (which, by the way, "showed" plenty), they decided to leave but not before Roy "Tootsie-Wootsie" Jacobsen had time to step up to the shapely, husky-voiced 'singer' and gave her the rose that he had filched off the banquet table gushing "Please, please accept and wear this, huh?" We repeat—how touching!!

* * * * *
OBITUARY:
May we extend our sympathy, To Prof. Komarewsky's family Drowned, by gad, in the faculty grill, But for that, he'd be here still. How did it happen to the poor chap? A glass of water was dumped in his lap!!!

* * * * *
It seems that our "carousal" in last week's issue 'telling all' on activity at the Jr. Formal met with little or no approval from several of the Lewis gals. As a matter of fact some of them were right peeved and your honorable scribe almost didn't get home from the joint glee club rehearsal when he was waylaid by several irate damsels with long finger nails bent on gruesome destruction! All we kin say gals, is that Confucius say: "She who misbehaves must accept consequences!" Verily!!

* * * * *
FLASH—"Lil" and Lil have finally brought to light their plan for singing "My Blue Heaven" as a duet at the Goodman concert.

Ed. Note: That's the tune that goes "Lilly and me, and pappy makes three, daisy, dai, de, dai.
SOOPER SCOOPERS.



Other Campuses

Charles I. Ball

A certain senior at Michigan State College made a list of eight girls from which he was going to choose his date for a dance. After he got the date he put the list in a quiz book and forgot about it. The following day he had a test and used the same quiz book, and when he got the test back he found the prof had given him 100 percent on the quiz and B plus on the list of dates.

Last semester 30 students at the University of Kentucky made straight A grades—three of them engineers.

Indiana University's CAA flight training course will be supervised by Col. Roscoe Turner, famous World war flyer and three times winner of the Thompson speed trophy.

A student at the University of Texas helps pay his college expenses by acting as a combination tombstone, life insurance and candy salesman in his spare time.

A Kansas State College of Agriculture student tried in vain to get his 7 o'clock

morning class changed. When the class met for the first time they discovered his name and telephone number written on the blackboard with a note to the effect that if they wanted him bad enough someone could call him.

Kansas U. recently held an all-girl prom. The sorority girls who were present came escorted by fellow-sisters dressed in masculine attire.

Every year between forty and fifty colleges in the United States are offered for sale.

A strength of materials class at the University of New Mexico possessed a lone coed among the 29 members of the class. When the professor saw this, he immediately appointed a committee to see that she was given a present from the masculine element of the class every Monday and Friday during the term. The chairman of the committee warned that those who considered the dating of the girl a sufficient present would be severely dealt with.

The University of Cincinnati is one of the few schools in the United States which uses actual imported sheepskins for its diplomas. Because of the war no parchment stock is obtainable, and the school has only enough left for two more graduations before it will have to use paper substitutes.

University of Minnesota students have hit on the plan of classifying and publishing all the jokes used by their professors. The main reason is to save time because when the prof feels in the mood, all he has to do is to give the number of the joke to furnish the desired effect.

Blitzkrieg!

Su-r-r-r-e and begorra, and this month is bein' as Irish as Paddy's pig, and I'm hopin' you colleens and laddies will lend an ear whilst I slip you the Blarney:

Faith, and I've been after a-hearin' that hearts break aisy, but Mickey has been tellin' me that hers is as fragile as glass—and that she's a-wearin' it around her neck on a pink ribbon. And then there's those looks full of meanin' bein' passed around between Alda and Johnny Ferraro. Sure, and it's warmin' me heart.

That foine, upstandin' son of Erlin, O'Carlson, showed a true Irish spirit when a car clipped him the other night. The fightin' lad shattered the windshield, just to get even. I'm admirin' your spirit, me b'y.

The Weather Bureau: Extreme cold around the neighborhood of Mofsey who is refusin' to let her laddie hold her hands when they're cold—remarkin' that her feet are bein' colder. That's bein' practical, lassie!!!!

A heat wave is expected March 21 at the Gamma Rho shindig, with that rollickin' jig "Juba Jive," written by two Lambdas. Usin' a bit o' American slang, sure and it's really hep!

"Solid" Silver is after a-bein' foin fellow, to be sure, but he caused a bit of a riot in the Girls' Glee Club, by losin' his crescendo right in front of them all. Will the finder be so kind as to return it??? And that McFalkman lad!!! He's gettin' two phone calls a week at 10:30, and if the hour's not convenient it comes through at 12:30. I'm not knowin' how he does it; but maybe 'tis the luck o' the Irish croppin' out.

A mass invasion of Armour was takin'

place last Wednesday, when twenty-five pretty colleens thrilled the lonely hearts of the lads with their winsome smiles and captivat' charms. Little Mary Ann with the flashin' of her blue eyes and dimplin' smile caught one of the lads by the heart-string, and he was after a-carryin' her books down to the 'L'. Maybe there is a bit of the bloom left on the Flower-o'-Knighthood!!!

A candid opinion of the O'Steamshoveler was voiced by Gertrude Portugal at her first meetin' with the young man. Faith, and here's a smart lassie—applyin' her lessons in 'Adolescent Psych' by remarkin' that he is a foine example of a mentally deficient. That's bein' honest, lass, but not very practical.

And did you hear about those two naughty Sisters in the Home Ec. department, who were standin' in the corner a-repeatin' "Shame! Shame!" for not payin' dues, and for a-spottin' up their clothes. May we repeat—"Shame!"

Keep up the fightin' spirit, lads and lassies, and may I be a-seein' plenty o' the wearin' o' the green, on Mar-r-r-rch 17!! So hold the blarney until next week.

Sure, an' it's your old FIFTH COLUMNIST.

SLIPSTICK—

(continued from page six)

sity for one of them, and the depression did the rest.

HE DOESN'T SMOKE

Tony Groh: This storm may put the lights out. Are you afraid?

Mary: Not if you take that cigarette out of your mouth.

And now as Columbus said to the world, "I'll see you around." OH MIN!

THE SMOKE OF SLOWER-BURNING CAMELS GIVES YOU EXTRA MILDNESS, EXTRA COOLNESS, EXTRA FLAVOR and

THE SMOKE'S THE THING!

CAMELS MAKE SMOKING SO MUCH MORE FUN. THEY'RE SO FLAVORFUL—EXTRA COOL AND EXTRA MILD

28% LESS NICOTINE

than the average of the 4 other largest-selling brands tested—less than any of them—according to independent scientific tests of the smoke itself

IT'S simple logic: You get nothing from a cigarette until you light it. For the qualities you enjoy are in the smoke itself. The smoke's the thing.

And those qualities depend considerably upon the way your cigarette burns.

Camels burn slower—definitely. That's a well-established scientific finding. That means Camels give you extra mildness, extra coolness, extra flavor.

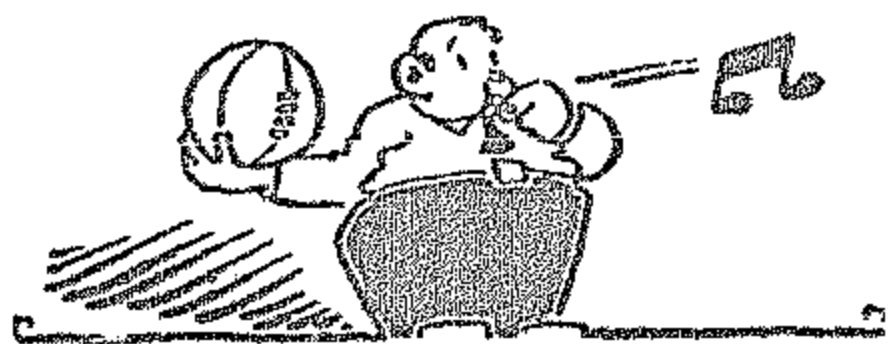
Now science confirms another important advantage of slower burning—extra freedom from nicotine in the smoke! And the smoke's the thing!

Your dealer is featuring Camels at an attractive carton price. For convenience, for economy—buy by the carton.

R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina

CAMEL— THE SLOWER-BURNING CIGARETTE —

TIME OUT



By Warren Spitz

You read these sports pages; you hear about it; you may even talk about it; but, how many of you have ever seen a running of the *Illinois Tech Relays* (formerly *Armour Tech Relays*). Not many, we know!

Well, here is a real chance. Take *Time Out* Saturday night and drop over to the University of Chicago Fieldhouse and see a *great* exhibition sponsored by *your* school. You'll never regret it.

Your student activity fee entitles you to membership in the *Illinois Tech Athletic Association* and with it an athletic pass obtainable each semester in the cashier's office. This pass will admit you to the *Illinois Tech Relays* on March 15. If you do not have a pass a nominal fee of \$40 is charged at the gate.

Bring the girls and make a party. They'll enjoy it.

Let us check over some of the stars you'll see in action:—

University 70 yard dash:—Walter Shelton, Marquette; defending champ, Gene Littler of Nebraska. We should see a new Relays record set here as all three have already equalled the existing time of 7.1 seconds.

High hurdles:—Joe Finch of Northwestern should have little trouble.

University 440 yard dash:—Jerry Schneider Northwestern and Littler, Nebraska.

College 440 yard dash:—Here's a chance for Illinois Tech to place with Bob Osborne, our sparkling frosh runner. His best competition will come from Arlen of North Central.

Low Hurdles:—Chuck Horvath of Northwestern equalled the American Indoor record Friday so we look for a new relays record from him.

Shot Put:—Hugh Rendleman of Chicago should heave 51 feet to cop first honors. In the college division Jones of Lawrence and Bohlen of De Kalb will fight it out.

Pole Vault:—Ed Thistlethwaite holder of the Relays record at 13 feet 9 inches will attempt to better that mark. North Central's trio of White, Preston and Mozza should place high in the college division.

High Jump:—Jim and Don Smith of Northwestern are tops in this event.

FROSH ENGINEERS COP LEWIS TITLE

By defeating the juniors 29 to 16, the freshmen engineers won the intramural championship of the Lewis campus.

The freshmen defeated the sophomores 32 to 24, and the juniors won from the seniors by default. Two weeks later they played the juniors for championship.

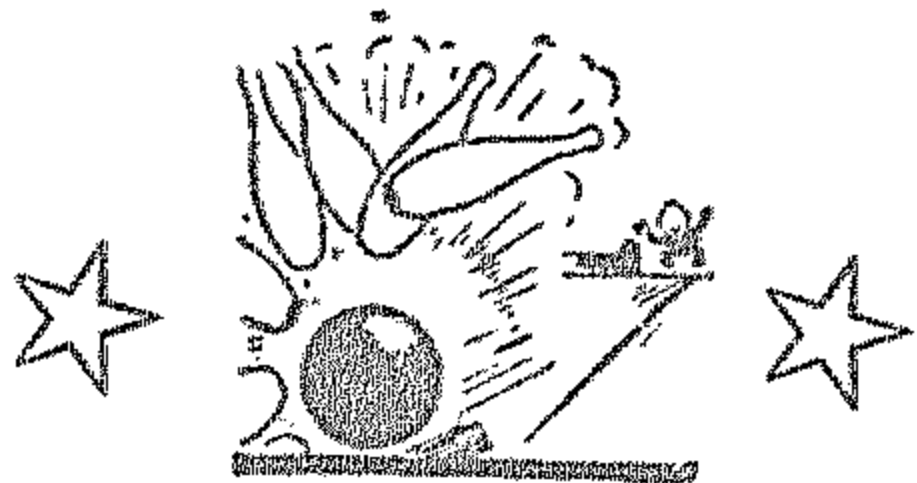
The champions were paced by Captain O'Leary, who is now on the Frosh squad at Armour, Arboe and Bonthron. The junior team was paced by Captain Fishman, and Steve Mendak.

Gold medals were awarded for the championship. Those receiving medals are: Captain Joe O'Leary, Ralph Arboe, Bob Bonthron, Bill Clark, Adrian Galassi, Bill Gurczyn, Walter Ganigar, Jim Heap, John Kastholm, Jim Snodgrass, and Jerry Houle.

Tech Tracksters Make Relays Bid; Wayne McCullough Leads Team

Ping-Pong Play Ends; Softball Meet Opens

Bowling, ping-pong, softball—these are the current sports on the intramural program which shall soon be supplemented by horse-shoes, tennis and golf. Ping-pong which will go out of the picture in the next few days is in its final stages with Bob Olson, Art Goldberg and Bob Adelson all set to play a round robin to determine the champion. Out of this tournament three players shall be picked to compete in the Intercollegiate Ping-Pong Tourney to be held at Culver-Stockton College in Missouri on March 21-22. Outstanding players include the above three plus Falk, Rappaport, and Maibock.



As the bowling tournament has passed the halfway mark several teams show great strength and a close race to the wire is expected between the Soph Mechs, Jr. Mechs, Bugs, Coalitions, and the Jr. Civils. Highest averages in the tournament are held by Sonny Weissman, Bill McDonough, and Art Minwegen.

DE PAUW SINKS TECH SPLASHERS; HUXHOLD TALLIES

Tech's valiant mermen were not so valiant Saturday, March 1, for that afternoon at 4 o'clock down in Greencastle, Indiana, De Pauw crossed the locals and sunk the boys without any sighs of mercy by the devastating score of 57-18. This has been the most one-sided score in the history of the Tech-hawk-Hoosier feud.

Huxhold Wins

Earle Huxhold, one of the team's leading scorers, came through with the only win for the Scarlet and Gray as he paddled across the finish line in the 150-yard back stroke in 2:01.4 The rest of the scoring was done through the medium of two seconds and the inevitable third place.

DePauw was not satisfied with merely beating the Junior Formalities. They broke two varsity pool records. Jack Ketcham did 2:44 for the 200-yard breast stroke, and the 400-yard free style sprint relay team traversed the distance in 3:59.0. The Hoosiers have always used the Techawks as a medium for breaking records, for in 1939, three records which still stand today, were made in a similar meet.

Meet Beloit Friday

Last Saturday Illinois Wesleyan was the guest of the Windy City water wings. The McGillivraymen were looking for their third victory of the season. This Friday afternoon Beloit which has already defeated the Techawks, invades Bartlett pool. On Saturday evening, the Techawks will wind up their eleven meet season by playing Brutus to an avaricious Ides of March, DePauw Tiger. The water ballet will be performed right before the Tech Relays by Rademacher, Mankus, Blume, Stowell and Gage, with Larson directing.

Loyola Scores Win Over Thinclads 52-43

Led by versatile Wayne McCullough, third year co-op, the Illinois Tech track squad of 18 men will match its abilities against the best of the Mid-West's cinder stars in the Illinois Tech Relays next Saturday night. Lacking the calibre of the Tech team of '38 which placed fourth in the Armour Relay games of that year, the team will display a group of promising freshmen and a few upper classmen.

Elwood Seeks Place Again

The only member of the present team ever to place in former Tech Relays is John Elwood, pole vaulter, who broke the school record in the '38 Relays with a mark of 12 feet. Twice this season he has made 11'6" and so may equal or surpass his mark on Saturday.

McCullough should place in either the mile or half mile event. Entered in both, the long-limbed fehawk, will probably concentrate on the half. George Erkert, freshman winner of the inter-class mile, will compete in his specialty if an injured ankle which has kept him out most of the season reacts favorably.

Osborne Best in Dashes

Bob Osborne, consistent frosh dash man, is the Scarlet & Gray's best representative in the 60-yard dash. Larocco and Watson are starters in the dash. Osborne and Matthews are the only representatives in the 440. This is George Matthews' fourth appearance in the Relays.

In the high and low hurdles are veterans Barry and Keigher, with probable starters Mahassek, Johnston and Watson. Barry is much improved over last season when he reached the semi-finals of the highs in the Tech Relays.

Relay Unknown Quantity

Tech's mile relay will probably consist of Matthews, James and McCullough with Osborne at anchor. Johnston is likely to break into this group. The sprint medley will probably have Matthews in the quarter, Osborne and James in the 220 legs and McCullough in the final half mile. The two mile quartet will be picked from Erkert, Johnston, McCullough, Rattner, Sauer and Matthews.

Loyola nosed out the Tech tracksters in a close meet last Friday night at the University of Chicago Fieldhouse. The final scoring showed Loyola with 52 points against Illinois Tech's 43. Tom Leyden and Art Lancaster were high-point men for the winners with ten points apiece. Bob Osborne, Tech's sensational freshman, led his team with an aggregate of 9½ points. Bob took a first in the 440, second in the 60 and anchored the winning relay team.

RELAY RECORDS

- High Jump—Beckel, No. Ill. Teachers, 6'0" 1928
- Pole Vault—Thistlethwaite, N.U. 12'11½" 1939
- Shot Put—Hackney, Kan. State (Man.) 51' 9¼" 1929
- 100 Yd. Dash—Littler, Neb. 7.1, 1940; Shelton, Marquette, 7.1, 1939
- 200 Yd. Dash—Grieve, Illinois, 7.1, 1936; Herman, Carlton, 7.1, 1934; Johnson, Illinois State Normal, 7.1, 1933
- College 2 Mile Relay—Michigan Normal, 8:05.3, 1940
- University 2 Mile Relay—Marquette, 7:52.4, 1940
- College 1 Mile Relay—North Central, 3:26.0, 1937
- 70 Yd. H. H.—Smith, Wisconsin, 38.6, 1938
- 440 Yd. Run—Wagner, North Central 1:55.4, 1939
- Jr. Coll. Medley—Wilson Jr. College, 5:44.6, 1940
- 70 Yd. L.H.—Telmich, Wayne, 7.6, 1937; Knappenberger, Kan. State, 7.6, 1935; Sanback, Purdue, 7.6, 1935
- One Mile Run—Fenske, Wisconsin, 4:08.9, 1938
- 880 Yd. Run—Beckett, Marquette, 1:55.5, 1936
- College Medley, Ill. State, Nor., 3:33.1, 1932
- 1934-35
- University Mile Relay—Pittsburgh, 3:21.9

IT'S CHESTERFIELD WEEK

FRED WARING
composer of over 50 college hit songs—in "Pleasure Time"

FOR I.I.T.
MON., TUES., WED.,
FRI.,
AT 10 P.M.
N. B. C. Stations

GLENN MILLER
America's No. 1 Dance Band Leader in "Moonlight Serenade"

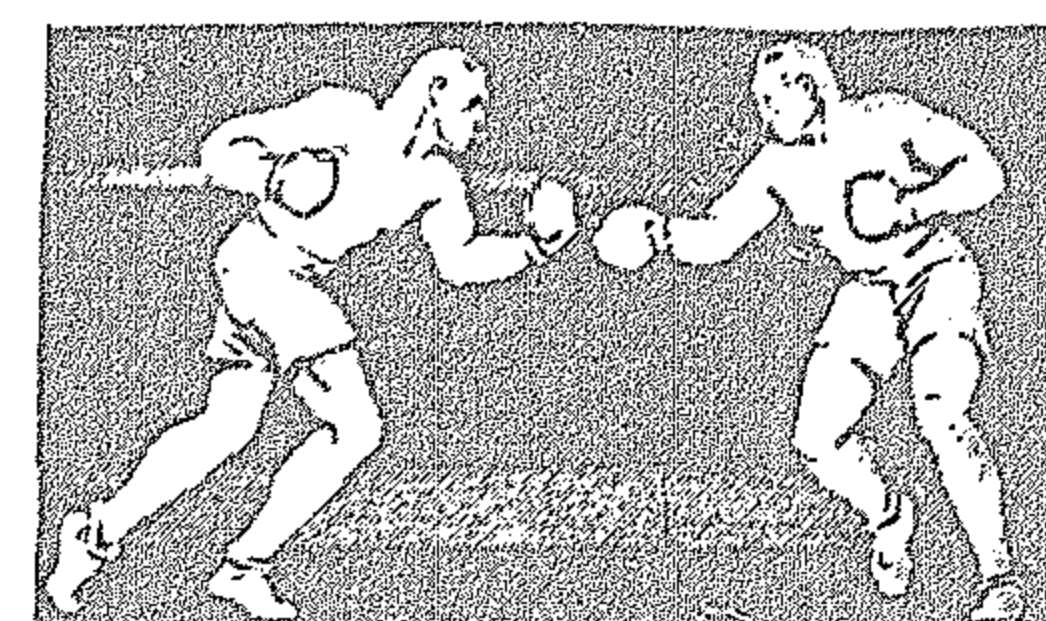
FOR I.I.T.
TUES., WED., THURS.,
AT 9 P.M.
C. B. S. Stations

They really Satisfy

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Boxing Team Punches To Draw; Illinois Tech Wins Three Matches

Illinois Tech's boxing team, fighting all the way, met Valparaiso University in a contest which was close to a grudge match at Valparaiso last Friday night. The final score; 3½-3½, was not accepted without reservations for partisan opinion, as the captain of Tech's team, Ernie Colant received only a draw on the basis of a split decision—the Techawks were sure that Colant, hitting Bruss with everything but the second's stool, was headed for victory.



All of the fights were hard fought, three of them ending in technical knock-outs. One of these in Tech's favor and two in favor of Valparaiso. Herick of Illinois Tech so aptly handled his man, Luley, during the first round and

the beginning of the second, that Schweibert, Valpo's coach, stopped the fight after 47 sec. of the second round.

Very heartening regardless of the final score was the fact that every man on the Tech squad gave his all, and more—all of the boys started punching at the opening bell and kept on driving until they just couldn't punch any more. It seemed quite apparent that disregarding physical advantage, the Tech men displayed superior ring work.

De Giorge (128½) I.I.T. won by unanimous decision from Simon (124) V.

Colant (128½) I.I.T. drew Bruss (127½) V.

Hirsch (132½) V. won by T.K.O. over Young (129) I.I.T. 3rd round. Simpson (148½) I.I.T. won on split decision from Wolf (141) V. Merrick (162½) V. I.I.T. won by T.K.O. over Luley (153½) V. Mueller (178½) V. won on split decision from Buddeke (172½) I.I.T.

Barth (148) V. won by T.K.O. over Swan (187) I.I.T. in second round.

Referee—Walt Schramm