Kalamazoo tips Techawks 82-80

Techs brave cold to hold pep rally

To build up Techawk and Co-Tech interest in their opening basketball game on the season against Kalamazoo, a pep rally was held Wednesday afternoon on Ogden Field.

Some fifty students led by the H7 cheerleaders gathered around the bleachers before the center of the "Dog" where they sang and sang for 15 minutes.

To get things started, a march, bearing along line of 15 cars crammed to the windows with Techhawks and led by a 1010-model. A convertible filled with the cheerleaders circled around Ogden Field, finally settling down to the cheers around the band and the students gathered around.

Jumping from their car and the sound of the clarinet went to the student section. The clarinet led the cheerleaders in a 36 degree weather by 7:30 o'clock. (Photo by Glenn W. Petersen.)

Dave Fregin, Jerg. 1, will dis- count the technicians in Techs and present their ideas to the next pep rally, being a meeting of the group Tuesday with Doctor Bevis and Director, and former director and advisor Dr. Henry Hopper.

Production of "I Am A Fool" will be without the usual theatrical conventions. The idea will be produced on a raised platform with out curtians and a minimum of scenery. The idea will not be necessary and will be performed in a very simple and striking way.

Campus Players to give one act play, Jan. 12 in SU

"I Am A Fool," a play in one act by Christopher Sergel, is being presented by Campus Players. Admission to the play will be free.

Theatre will be held at the SU, Thursday, December 10, 7:30 p.m.

Theatre will be held at the SU, Thursday, December 10, 7:30 p.m.

Homecoming Dance to be Dec. 11 in Commons

Honor I, the athletic honor, will hold its annual homecoming dance after the basketball game on Saturday, December 11. The game will start at 8 p.m. in the Illini Tech gym and will pit the Techhawks against Lewis College.

Delta Zeta eleven men erase IF champs in bowl game today

Today at 11 a.m. on Ogden Bog, the second annual Interfraternity Bowl will be held. Sigma Phi Epsilon, the year's champion, will take on Delta Zeta, the Sorority representative.

Last year's event was brought to you by Delta Zeta, Lambda Chi Alpha, and Tau Kappa Epsilon, in association with the Illinois Interfraternity Council and the Interfraternity Advisory Board. Alpha Sigma Phi, in turn, will host the dance.

The Director, President of Delta Zeta, and President of the Interfraternity Council will present the game and introduce the contestants.

The Director, President of Delta Zeta, and President of the Interfraternity Council will present the game and introduce the contestants. Delta Zeta's lineup will consist of All State football players, and the Bowl will be played on the field of the last year's champion.

The game will be held at the site of the last year's game and will be broadcast live on radio station WTTW, Channel 4. The game will be televised live on Channel 5.

Delta Zeta's lineup will consist of All State football players, and the Bowl will be played on the field of the last year's champion.

The game will be held at the site of the last year's game and will be broadcast live on radio station WTTW, Channel 4. The game will be televised live on Channel 5.
Dr. Enrico Fermi dies; “Father of Atomic bomb”

Memorial services are being held today in Rockefeller Memorial chapel on the campus of the University of Chicago, for Dr. Enrico Fermi, world famous father of the atomic bomb.

Dr. Fermi first suggested the possibility of an atomic bomb to U.S. government officials in 1939. Both the government and private companies, whom he approached later, thought the idea to be impractical. However, on December 2, 1942, 12 years ago yesterday, Fermi led the group of scientists that activated history's first atomic pile under the stands of Stagg Field at the University of Chicago.

This experiment was the key to the atomic bomb which saved World War II and a half a year later.

Fermi, born in Rome, Italy, in 1901, was appointed professor of physics at the University of Rome when he was only 25. Investigations started in 1934. He discovered how to split the uranium atom, how to get more of this atom and how to increase their production of energy.

These studies won him the 1938 Nobel prize award of $30,000. Encouraged by the restrictive racial measures of Fascist Italy, Fermi used the prize to immigrate to the Catholic University of America, where he continued to work. From 1935 to 1938, Fermi was a member of the University of Chicago faculty.

In the United States, Fermi became professor of physics at Columbia University, where he remained until 1939 when he went to Chicago with the atomic bomb project. A $300,000 patent award was given him and his associates in 1953 by the Atomic Energy Commission, and the Medal of Merit was presented by President Truman. On November 20, 1943, Fermi was selected as the first winner of A.E.C's special $25,000 award for "especially meritorious contributions in atomic energy."

Last week, at the peak of his career, Fermi died of cancer.

We think Fermi's extraordinary achievement should point out something to us Americans. Fermi needed the dedication of America to express his genius. America needed the genius of Fermi to protect its freedom. We must stand up to protect our freedoms and we must do everything possible to both develop genius here at home and to attract it from abroad.
Campus Post Office now open in Commons building

By Al Kapulis

On Monday at 8:30 am the campus post office opened in its new location in the Commons. All services that were rendered in the old location in the S.U. will be continued at the new location.

The operating hours of the post office are from 8:30 am to 5:30 pm, Monday through Friday. Mrs. Olga Walczak is the postmistress.

Many agreements have been added to the post office as a complete new mail system to the delivery service. The mail now is being delivered twice a day to the administrative and administrative offices. Package mail is also delivered to the offices every day.

The 125 mailboxes that are left in the S.U. will be transcribed to the mail switches, and the three mailboxes or letter drops will also be used for campus mail, evening division instru-ments and publications.

The post office is operated by the staff at the S.U. in government mail, and is open to the students and staff of Tech. Center only. This is not a local post office.

Mailboxes in the Commons are available and will be assigned to any employees by request. The mail will then be placed in the boxes and not included in the departmental mail.

At the post office window stations, all services will be performed, as well as sending packages and personal mail. In addition to this, a stamp machine is located in the Commons. Money orders and checks will be handled by a licensed mail clerk.

The distribution of inter-departmental mail will be made only when scheduled.

In the near future The Campus News will be distributed to the departmental offices through these new services.

Ground broken for new Arch and ID Building

Ground breaking ceremonies for the new building on the Tech campus were held at 11:30 a.m. Thursday, December 2, at thirty-fourth street, between State and Dearborn.

The latest report from the building will be completed by July of 1955. The general completion of the building will be the same as Tech's other new buildings.

A distinct feature of the new Arihite-Design Building is its roof, which will be suspended from several horizontal steel beams, thus leaving the interior completely free of pillars.

The new classroom unit will be 210 feet long and 120 feet wide. It will also have an English basement which will be used for shops and studios, while the main floor will contain a general exhibition area.

IF Ball heads

Chapel Services

Meet a Friend!

NOW! A filter cigarette real smokers can enjoy!

F I N E R  H I L T E R
F I N E R  F L A V O R
K I N G S I Z E  T O B A C C O

Winston Filter Cigarettes

Winston tastes good—like a cigarette should.

Winston brings火烧 back to filter smoking

Fall, fresh, tobacco flavor! No wonder college smokers are flocking to Winston—on campuses across the country! Along with real flavor—the kind you've been missing in filter smokes—Winston brings you a finer filter. This exclusive Winston filter is unique, different, truly superior! It works so effectively, yet doesn't "hit" the taste or soften the flavor. Try a pack of Winstons.
WHAT'S THIS DROODLE? For solution see paragraph below.

According to the latest and latest coast-to-coast college survey, college smokers prefer Luckies—and by a wide margin. The No. 1 reason: Luckies taste better. Thousands of students appreciate Luckies' better taste almost as much as they do the look in the Droodle above, titled: Sweethearts attempting to kiss and enjoy better-tasting Luckies at same time. Luckies taste better for good reasons. First of all, Lucky Strike means fine tobacco. Then, “It’s Toasted” to taste better. This famous Lucky Strike process tones up Luckies' light, good-tasting tobacco to make it taste even better—cleaner, fresher, smoother. So, enjoy the better-tasting cigarette...Lucky Strike.

**Better taste Luckies...LUVKIES TASTE BETTER CLEANER, FRESHER, SMOOTHER!**

---

**Tech Timetable**

Friday, December 4
- 12:30 p.m.-12:35 p.m. Dean Brown, Dean Brown, Dean Brown, Dean Brown
- 12:35 p.m.-12:40 p.m. Dean Brown, Dean Brown, Dean Brown, Dean Brown
- 12:30 p.m.-12:35 p.m. Dean Brown, Dean Brown, Dean Brown, Dean Brown
- 12:35 p.m.-12:40 p.m. Dean Brown, Dean Brown, Dean Brown, Dean Brown

**Pan-Hellenic semi-formal dance Dec. 4**

"Winter Fantasy," a semi-formal dance sponsored by the Pan-Hellenic council will be held at 8 p.m. tomorrow, December 4, in the M.C. building. This is a closed dance, restricted to the members of the sororities and their guests. Departing from the usual tradition, this dance will be held in the back lobby as the first floor of the M.C. building rather than the Commons or the H.H. The lobby will be decorated in a winter theme and the large windows facing the court yard will be sprayed with imitation snow. Punch and cake will be served.

**Placement Schedule**

Monday, December 1
- 9:00 a.m.-9:15 a.m. Placement staff, Placement staff, Placement staff, Placement staff
- 9:15 a.m.-9:30 a.m. Placement staff, Placement staff, Placement staff, Placement staff

**Technorama assistant chairmen selected**

Appointments for assistant chairmen of Technorama were made by the Technorama Board at the meeting held on Tuesday, November 23. The assistants for this year's Technorama are as follows:

**Public Relations**
- Al Wallace, CET 5
- John Miller, FPE 3

**Religious Affairs**
- Larry Ronan, HE 3
- Ronald Schuhmacher, HE 3

**Dance Coordinators**
- Jerome Vokolak, ABH 4
- Richard Wright, HE 3

**Student Activities**
- Jim Schumann, general chairman of Technorama, has had his assistants ready to roll. Things will be somewhat different this year, with exhibits varying and new events added.

The Technorama Board decided that there will be no central theme because of the poor results last year. In absence of a central theme, each department and organization will be able to promote annual and separate interest. This year there will be many new events, some not seen in Technorama. Several have already been offered and more are to come. There is a proposed strong man event which should prove interesting and add to the variety, according to Schumann. The departments will be urged to vary their exhibits more than in the last few years. Plans for a parade through the lobby are being made. A parade with floats or many decorated floats is the plan.

Publicity plans extend throughout the city. There will be several spots on the radio for some time preceding and during Technorama. Personal appeals and press releases will be issued. Television shows will be presented, and private people to promote and add publicity. Car bumper stickers will also be used.

**DZ**

(Continued from page 11)

and Vito Audino are to be the half-backs. Caine Krom and Kostis Sakell are up for the team. These two will shine on the field and it is hoped that they get a fair chance. Peggy Colburn, Mary Jane Mpol and Margaret Picca are to be substitutes. All in all, not only does it appear like a good playing team, but also a good looking team.

The Big Kne will find a few wild changes in the game, the one which willonder than the others. At the same time, nothing must be done with the left hand, although all tacks handled and vice versa. They will also be limited to that they cannot run the ball across the center stripe. They will receive more defense, however, if they run the ball across the center they get more. Some of the changes along with limitations on tactics and play are the major rule changes.
ARF to build million dollar lab building

A $1 million laboratory building will be constructed during the coming year by Armour Research Foundation according to Dr. Halden A. Leedy, Director.

The structure—a home for the Foundation's electrical engineering research facilities and a proposed nuclear reactor—will mark another step in the long-range building program.

The building will be the first constructed for ARF since the Technology Center development program began in 1933. Under the new building program, designed to fulfill the Foundation's needs for extended physical facilities, ARF anticipates the construction of three buildings and additions to two existing ones.

Contracts for the new building will be let at the end of the year. Construction will start in mid-March, 1954, with completion scheduled for October 1. The cost of the building will include the site and site improvements and is expected to be $1,950,000.

The site of the building will be located on the IIT campus, to the south of the main administration building. The structure—based on the concept of Leland M. Van der Ryn, prominent architect and director of the department of architecture—will be similar in appearance to the new buildings on the campus.

The new building will be of concrete and brick construction. It will provide 39,000 square feet of usable space. It has been designed so that additional floors may be added later.

AIChE gives film on auto. control today

A movie, "Principles of Automatic Control," produced by the Instrument Society of America, will be shown today at 11 am in room 103 of the Insitute of Technology. All engineering students are cordially invited.

Sponsored by the AIChE, the film represents a contribution to the field of instrumentation.

The film deals with three main subjects: the characteristics of automatic control; the mathematics and economics of a controller; and a discussion of the possibilities of a controller in automatic control. It emphasizes the advantages and disadvantages of various types of controllers. The discussion of the film shows the effect of good and poor instrument application to a process.

Goal set for benefit drive

Dedicated to the first week in December, a collection will be taken up among the faculty and staff of Illinois Institute of Technology for the benefit of the John R. McCubbin House. The goal of the decade campaign is $20,000.

Aid the McCubbin House, whose board of directors consists of the staff and student workers and the president of IIT, is directly concerned with the welfare of the neighborhood surrounding IIT. It has formed block clubs in order to combat juvenile delinquency and to present in combating old folk projects as government experiments.

Tech Center adds to drive

A total of $1,500,000 was donated by Technology Center personnel in the annual Community Fund drive. This year's campaign netted $145,000 less than the previous year.

Illinois Tech personnel contributed $1,536,187 in cash and payroll deductions, while the ARF drive covered $1,524,796.

The collections from the Institute of Gas Technology members amounted to $247.

The leaders of the respective drives were as follows: Col. Edward G. Green Jr., Air Force ROTC commander for IIT; John Callahan, personnel secretary, for ARF; and Harry H. Fev, business manager and assistant treasurer, for IIT.

This is not IBM's first laboratory, each providing the most advanced facilities for engineering achievement.

The Engineer's Engineer

In every field of human endeavor there are individuals whose unique abilities—whose important contributions to progress in their own professions and to the happiness, welfare, and prosperity of mankind—have earned them the high esteem of their fellow professionals. The physician's physician. The author's author. The engineer's engineer.

IBM mechanical and electronic engineers have won the respect of their fellow professionals for their creative thinking, their concern with perfection, their daily standards of performance.

Equipment from the minds and hands of IBM engineers has opened doors to progress for other engineers and scientists. IBM's giant digital computers, for example, are helping petroleum engineers speed their search for oil—aeronautical engineers to conquer time and space—nuclear physicists to harness and apply the atom's power for defense and peace.

On life's broader scene, products of IBM engineering make significant contributions to wealth and well-being. They are helping medical science in its fight against many diseases. They assist our law enforcement agencies in providing greater protection for life and property. They enable business and industry to produce more with less effort and at lower cost for the mutual benefit of maker and user.

Whatever IBM equipment is used—electronic digital computers, electronic and electric accounting machines, electric typewriters or time equipment—the sum of human progress increases.

IBM

INTERNATIONAL BUSINESS MACHINES • 590 MADISON AVENUE, NEW YORK 22, N.Y.
Tech Sports

IM basketball tourney to start play Monday

IM basketball will get underway Monday with the smallest number of teams entering in recent years. This season only twelve squads are scheduled to participate.

Last year's champ, the FFEs, are expected to hold on to their crown with a stronger team than ever. Bob Gowan who played on Tech's varsity last year, will be taking the court for the freshmen this season along with many of the team's veterans.

The AFROTC, which reached only the quarterfinals last year, has submitted a strong roster for this season. It looks like the fly boys will be out for the top this year.

A new entrant to the league will be a team composed of non-engineers. This team will consist of members of the DSK and Psych departments.

IM BASKETBALL SCHEDULE

Dec. 8 - West Court
Dec. 10 - East Court
Dec. 12 - South Court
Dec. 14 - West Court
Dec. 15 - South Court
Dec. 17 - North Court
Dec. 19 - West Court
Dec. 20 - South Court
Dec. 22 - North Court

Swimmers to start season

Coach Frank Shatuck's Fightsharks of 1954-55 are making their debut next Monday, December 6. They will be swimming their arch rivals, the Navy, in the first of the two meets this season.

On Friday, December 10, against Wright Junior College, Wright's pool, and the second on Monday, December 13, against Illinois Junior College, the Sharks home pool again.

Coach Shatuck is very pleased with the team this year and thinks it has a good prospective. He is rather dubious about the lack of depth in the different positions.

FIRST WARD BARBER SHOP

HOURS: 9 A.M. to 5:30 P.M.
SATURDAY: 9 A.M. to 1 P.M.

55 East 26th Street
Chicago, Ill.

Gralow's Groans

by Dick Gralow

This season's coverage of IM and AF Touch Football was an annual guilty of giving publicly mainly to ends and quarterbacks while the blocking backs, centers, and rushing linemen were put out of the spotlight. My nomination for best player in both games this year was not one of the over-publicized ball handlers, but one of these workhorses of days of old who just played hard clean football. Andy Mavros of the Sigma Phi Epsilon team earns my vote as most valuable.

Andy playing offensive halfback was like a stone wall, while on defense he was always in the opposition's backfield shaking up the passer. His rushing was one of the main factors why the Phi Eps couldn't click when they played the Sig Eps. I have some first hand information on this fact since he bumped me more than once.

Still on the subject of football there was a note in Arch Ward's column in the Tribune a couple of days ago saying that the Illinois Institute of Technology student body is pressuring for inter-collegiate football. This was prompted by a letter from Gene Fisher who has also written President Retallack on the subject. I'd like to hear more from the student body concerning their views on football at Tech. If you have anything at all to say on this subject just drop me a note in the Technology News letter box.

Engineering representatives of

PRATT & WHITNEY AIRCRAFT

will be on the campus

Friday, December 3

to interview

AERONAUTICAL ELECTRICAL METALLURGICAL
MACHINERY CHEMICAL PHYSICISTS
ENGINEERING GRADUATES

Please see your
COLLEGE PLACEMENT OFFICER
for an appointment on

Friday, December 3

DRINK Coca-Cola

Coca-Cola is a registered trademark of the Coca-Cola Company.
Fraternity Row

Sig Eps beat Phi Kaps 6-4 for IF grid championship

The highly touted Phi Kapp squad, unseated upon all season, fell victim to the men of Sigma Epsilon Phi who asserted themselves as undisputed champions of the IF football league in a hard-fought, bitter battle that culminated in a 6-4 decision.

The Sig Eps received the opening kickoff but were unable to move effectively against the defense that had held opponents scoreless all season. After an exchange of punts, with the Phi Kapp offense held in check, the Sig Eps began their TD drive late in the first half. Two yards from midfield, a hand off to Steve, one of our most valued backs, and a Transformed TD. The extra point was good.

Soccer team loses opener to Navy Pier

The International Club's Soccer team played its first match of the season against the University of Illinois, Navy Pier, on Wednesday, November 10. The game was a close one, with the score 5-0. The team did not do well in this match, which was held in an empty stadium.

Why x-ray?

- WHAT WILL THE X-RAY COST?
  - 25 cents. Made possible by teamwork and community spirit.

- WHO CAN HAVE AN X-RAY?
  - Everyone 15 years of age and under.

- SHOULD PEOPLE OVER 15 BE X-RAYED?
  - The benefits outweigh the risks. Professional medical advice is recommended.

- HOW LONG DOES IT TAKE?
  - Less than a minute.

- IS IT NECESSARY TO BE FAMOUS?
  - No, it's not. Anyone can have an X-ray.

- WHEN WILL I GET MY REPORT?
  - In about two weeks.

- ARE THE RESULTS GUARANTEED GOOD?
  - No. A professional report will be given regardless of the results.

- WHAT IF THE X-RAY SHOWS SOMETHING IS WRONG?
  - It will be taken care of. You will be treated according to the recommendations of the medical professionals.

- HOW OFTEN SHOULD I HAVE AN X-RAY?
  - It's best to have an X-ray at least once a year.

Let Arrow s-t-r-e-t-c-h that CHRISTMAS Vacation!

Have you heard of our new line of Arrow shirts and ties? We offer everything from casual, sporty, and bold looks, to the very latest in trendy fashions. Get 10% off now on your purchase at any of our stores. Start planning your winter wardrobe today!
IIT STUDENTS and STAFF

- GASOLINE - 2¢ OFF PER GAL.
- PARTS AND ACCESSORIES DISCOUNTED

Watch For Special Offer

Michigan Avenue Auto Rebuilders, Inc.
32nd And Michigan
DANUBE 6-2446

SU site for free X-Ray’s; due in week

The second largest number of
inhabitants cases in Chicago may
be found in the area including
Technology Center according to
Dr. J. P. Flaherty, medical di-
rector of Illinois Tech.

As in previous years, a mobile
unit will be on campus. It will
be located at the west entrance
to the SU.

The X-ray is free, requires
only one minute, and is the bet
method of detecting abnormalities
in its early stages, according to
Dr. Flaherty.

X-rays may be obtained in the
SU lobby from members of Alpha
Phi Omega. The dates and hours
are as follows:

- Wednesday, December 18, 9:30
  a.m.-11:30 a.m. and 1:00 p.m.-3:30 p.m.
- Thursday, December 19, 9:30
  a.m.-11:30 a.m. and 1:00 p.m.-3:30 p.m.
- Friday, December 19, 10:00
  a.m.-11:30 a.m. and 1:00 p.m.-3:30 p.m.

In the whole wide world—
nicotine satisfies like a Chesterfield!

HOWARD STICKER—PAN AMERICAN OVERSEAS
CAPTAIN and EILEEN FOOTE, STEWARDS

HAVE YOU SEEN THIS MAN?

YOU SHOULD! HE’S
FRANK LEVISON
CLJ,
who represen’s
NEW YORK LIFE
INSURANCE COMPANY.

He has a modern, prac-
tical and easy-to-follow
insurance plan for
ILLINOIS INSTITUTE
OF TECHNOLOGY STUDENTS

For further information, call
FRANK LEVISON, C.L.U.
206 S. 71st St.
CHICAGO 19, ILLINOIS

CHESTERFIELD Best for you!