cacaon Inursalay

The Man and Woman of the Year will be chosen Thursday and Friday in an all-school election conducted by the ITSA election commission. The pair, selected from a panel of outstanding senior men and women, annually reign over the Junior Week observance and the Junior Prom.

The following list of candidates has been announced by the commission:

WOMAN OF THE YEAR. Evelyn Czajka, Virginia Dorociak, Arlene Edwards, Barbara Giles, Mary Margolis, Patricia Nash, Shirley Schultz, Helen Syprzak, and Helen Tichy.

MAN OF THE YEAR.

Johnnie Best, James Fitzpatrick, Mel Friedlander, Jim
Gaffney, Ira Graham, Les Hardison, Lee Jacobson, Ed Jennings, Ramon Klitzke, Earle
Kracht, Marks Levy, Ed Michelic,
Dave Miller, Tom Murphy, Tom
Murray, Ernest Nordquist, Gene
Rezabeck, Dick Roberts, George
Scalamera, Ed Sebastian, Larry
Shapiro, Robert Shuldes, John
Tyner, and Marvin Zelibor.

Voting will be conducted at the activities booth in the NU lobby from 9 a.m. to 4 p.m., Thursday and Friday. All students, regardless of semester, are eligible to vote.

"The same preferential system of voting used in class elections will be employed in the Man and Woman balloting," Tom Murray, co-chairman of the commission, reported. The voter will be instructed to write, in order, his first three choices for outstanding man and woman. Voters will be required to present their ID cards to certify voting eligibility.

Results of the election will not be made public until May 4, when the regal pair are coronated at the inauguration of Junior Week.

Candidates for the outstanding pair were culled from names submitted by campus organizations and the activity records of the Dean of Students and the Public Relations office, according to Don Lynch, commission co-chairman. The commission narrowed the list down to 22 men and 9 women. Additions to the roster, announced Wednesday, were accepted until last night.

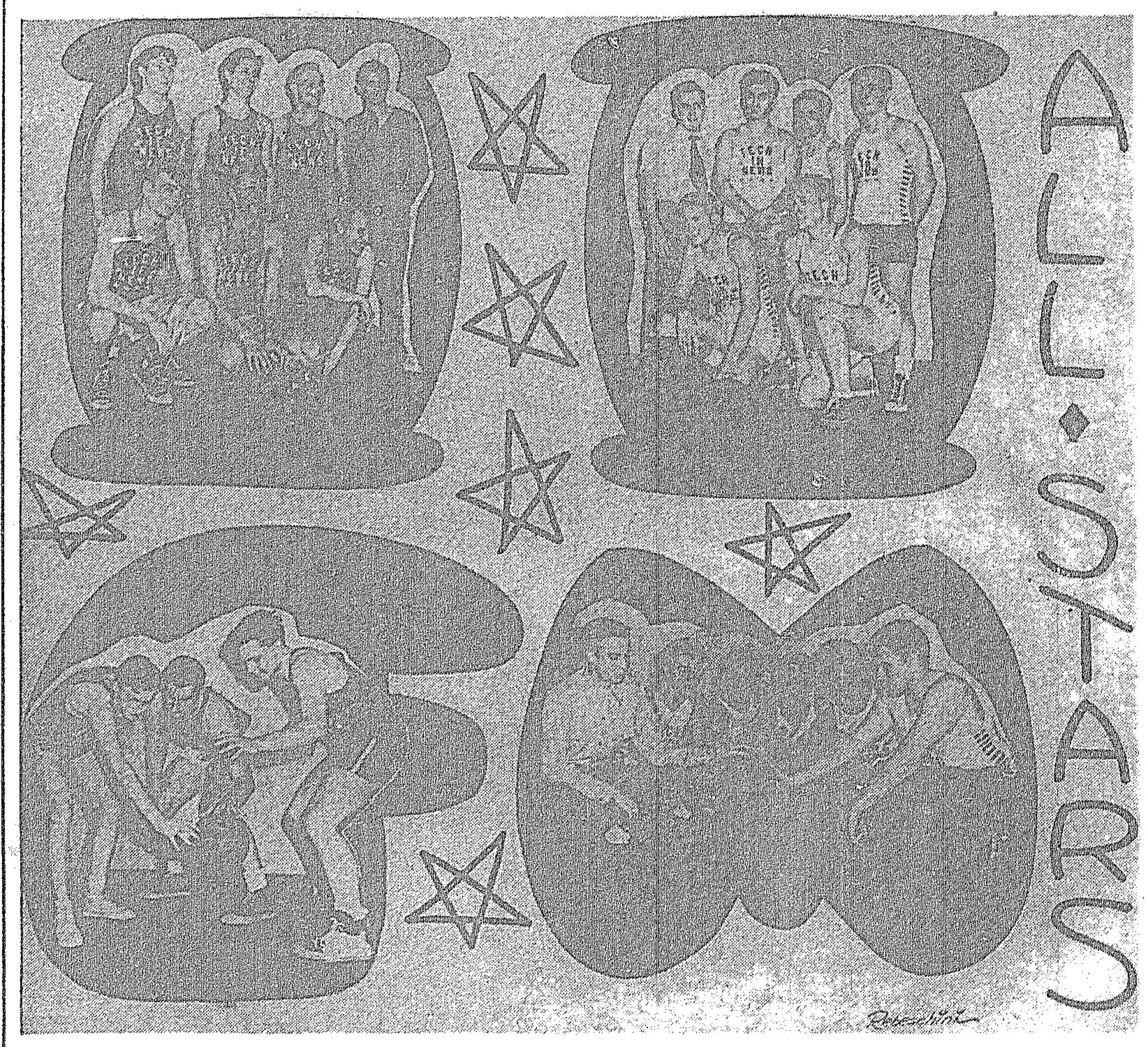
Graternities will select Aueen and court next week

Naming of candidates for the title of Queen of the IF Ball will be completed this week, chairman Lee Richards announced today. Each fraternity is allotted one nomination for the Queen title. The Queen and her court will be chosen at the dance from the 12 candidates.

Bids for the annual formal ball, which will be held this year in the Grand Ballroom of the Edgewater Beach hotel March 25, were placed on sale Wednesday. The tickets, limited to 275, can be purchased through fraternity channels only. Music for the dance will be provided by Dan Belloc and his orchestra.

"Queen elections will be conducted at fraternity meetings in most houses next week. The actual crowning of the IF Queen and her court will be the highlight of the Ball. She will be judged by a competent and distinguished board, yet to be named, on the basis of appearance and personality," Richards stated.

The committee handling arrangements for the dance consists of Richards, chairman; Floyd Miller, gifts and Queen's Court jewelry; Dick Baldwin, ballroom and band; and Bob Shuldes, bids.



Second All-Star classic mext Friday

Sharks

Sharks

Wolves

NROTC

Wolves

Wolves

Sharks

Wolves

Archs

COACHES: Maatman, Wolves

Rasslers

Moeck, NROTC

Blue-White

Whiz Kids

TECHNOLOGY NEWS ALL STAR SQUADS

Mattern

Grines

Gentzel

Opelka

Erdman

Kramer

Krafft

Kuzia

Small

Lokay, H.

Tennant

Bass

Here they are, fans! A powerful array of Interfraternity cage talent has been selected by the coaches and referees of the IF league to form the All-Star team of 1950.

The twelve players, chosen from seven fraternities, make up a potent squad. Theta Xi and Alpha Sigma Phi led the balloting, each placing

Rohan

Meagher

Costalis

Rosback

Woeller

Oldenburg

Alexander

Jennings

Anderson

Deveraux

Bolton

Sverak

three men on the All-Star ros-

The merits of Grimes and Gentzel can best be pointed out by the top heavy scores rolled up by Theta Xi this year. Grimes is a veteran of the All-Star game, since he appeared in its inaugural last year, while

Gentzel will be making his debut. Both boys can be counted on to provide plenty of headaches for the IM league.

Erdman of the Daedalians and Bass and Small of the Sammies have provided the nucleus for their respective teams this year. Joe Bass was the star of last year's All-Star game despite his lack of height. Krafft and Small are pivot men and will probably spell Grimes at that position, while Erdman is expected to provide plenty of speed on the floor.

Bruce Tennant and Hank Lokay have provided the one-two scoring punch for the Alpha Sigs all season. Last year Bruce was on the IM All-Star squad and played one of his usually great games. Tennant and Lokay rank high on the list of the top scorers of the league and their deadly shooting will add plenty of punch to the IF squad.

AEPi has been a contender all through the regular cage season and this can be credited to the great play of their center, Bill Kramer. His height will add more towering strength to the array of big men who will appear for the fraternity All-Stars.

Another one of the "big boys" is Greg Opelka of the Delts. Greg was top scorer and floor man for his team this season. His versatility will be welcomed by the All-Star coaching staff of Bob Thoreson, Theta Xi, and Claude Herrick, Alpha Sica

A power-laden IM All-Star squad, boasting speed and height, will take to the hardwood next Friday night to try and keep the coveted Technology News Trophy in their possession.

Don Rohan and Skippy Meagher, both of the Sharks, led all candidates, garnering 98 and 93 votes, respectively, out of a possible 108. The

selections were made by a committee of referees and the IM director. Rohan, 6-foot, is pure murder under the backboards, and boasts a deadly onehanded jump shot. Meagher, a mere 5-foot, 8inch lad, has exceptional and speed spring and a

COACHES: Thoreson, Theta Xi

Phi Kaps

Theta Xi

Sammies

Theta Xi

Delts

Alpha Sigs

Daedalians

Alpha Sigs

Alpha Sigs

Herrick, Alpha Sigs

Theta Xi

Sammies

Alpha Epsilon Pi

million fakes at his command.

Another member of the fine Sharks five, Connie Alexander, will be there to give the IF boys a rough time with his terrific speed and his deadly set shots.

The perennial Wolves placed a pair of giants and a pair of midgets on the All-Star squad. The giants, Fred "FM" Woeller and Chuck Oldenburg, will use their 6-foot 4-inch frames to advantage under the boards, as they have done all season for the Wolves. Woeller will be making his second appearance in the annual All-Star classic. Oldenburg, a greatly improved ball-player, has scored consistently all season and has proved to be a veritable moose on rebounds.

As for the midgets, Lou Costalis and Ed Jennings have been the mainstays for the Wolves all season at the guard spots. "Greek" Costalis, a brilliant ball handler and playmaker, has great fight and a fine basket eye.

Rack to the height department, Floyd Bolton of the Whiz Kids, Andy Anderson of the Archs and Roger Rosback of the NROTC cagers, all six foot plus, will help to give the IM All-Stars a terrific punch in the rebounds department.

Coach Maatman's squad will be rounded out by Bob Sverak from the Blue-White and Bill Deveraux of the Rasslers. Both men are fast and excellent shots.

Registrar notifies 500 probationers

Last week the Registrar's office sent out probation notices to approximately 500 students three weeks after the semester began. The letters were sent to those having averages below 2.0 regardless of their semester at Illinois Tech, resulting in a howl from the students affected.

According to the Academic Council, a student is on probation if his cumulative grade point average falls below 2.0. Any incoming student, freshman or otherwise, will still be off probation, however, if he manages to earn 30 grade points. The former 3-point system is still n effect for those who are graduating in June, 1950. Because the semester is already well underway, C. E. Deakins, dean of students. released a statement Wednesday on behalf of the Academic Council. Realizing the effect of the probation notices, they restated their position as follows:

"Officers of the student organizations who suddenly found themselves on probation as the result of the new point system have been given a reprieve by the administration for the remainder of this semester. Students who have occupied jobs on campus will also be permitted to keep their jobs since a change now would upset the work of many departments and deprive students of much-needed financial assistance. The rule governing restriction of activities to those on probation will be strictly enforced at the beginning of the next academic year."

refic Frac's first show for TFU

Finally clearing its organizational and constitutional difficulties with the ITSA, Technology Film Unit launched the sale of \$1 associate memberships Monday. The memberships, entitling purchasers to attend a seven feature film series, are on sale in the NU ticket booth.

"Fric Frac," a ribald French comedy, has been scheduled for the first program and is being shown at four performances yesterday and today in 131MC. The showings are 6 to 8 p.m. and 8 to 10 p.m. Thursday and 2 to 4 p.m. and 4 to 6 p.m. Friday.

Following "Fric Frac," the Unit has engaged H. G. Wells' "Things to Come," starring Raymond Massey and Sir Cedric Hardwicke. An imaginative picture, "Things to Come" is a forecast into the future and such things as supermen, glass cities, and 1000 passenger airliners.

For succeeding weeks the Unit has lined up a number of film classics, including "I've Always Loved You," "Ivan the Terrible," "39 Steps," and "The Ghost and Mrs. Muir."

Members will select the picture they will view April 20 and 21. A descriptive list of several movies will be distributed at the March 23-24 showing, enabling those in attendance to indicate their choice.

"Associate Memberships save the holder money in addition to assuring him of a seat at one performance of each of these distinguished films," Tom Murray, membership chairman, stated.

Orinette helms solice Arthur a Chrim Walk

Last week, you remember, Techie Hawke, went to the village school determined to be active. In the cafeteria, his senior advisor warned him that he might be forced to wear a prisoner's key chain by the mysterious "Dragon of Apathya."

AVING no class the next hour, Techie wandered over to one of the other tables to join some of his new found friends.

"Hi Boys," said Techie, pull-

ing up a chair.

"Hello," mumbled Johnnie Leavearly, his newly assigned partner in Chem lab, "What are you so happy about?"

"I was sorry I couldn't get into MIT, but not now. This school is 'IT' with double 'I.' Look at all the activities we've got here.

"Don't tell me you fell for that stuff. It's all a lot of bunk as far as I'm concerned. They'll never get you anyplace."

"But you said you wanted to get into some honoraries. What about that," said Techie with a look of triumph in his eye.

WE STILL STA

"Honoraries are different," said Johnnie, "you get keys for them. My brother told me all about it."

Llow do you get into them, then, if you're so smart?" asked Techie.

"Well, first you have to have a high grade point average and a lot of friends. If you have a language difficulty or you're a co-op it helps a lot."

"I don't believe that," said Techie, "I think all it takes is a lot of activities."

"Go ahead then. Join your activities. You'll learn."

And that's exactly what Techie did.

He joined the Calculus club and waited for terrific events, but nothing happened. True, they did have Differentiation parties in the spring and Integration parties in the fall, but no one even went to them. Techie was confused.

Next he tried the Nuclear club and the same situation existed

there. In fact it was even worse. They didn't even have parties. All they did was sit around and investigate each other's loyalty.

Techie couldn't understand. How could all these organizations donothing so well? Techie looked over the social events that came up since he started school; the basketball game with no spectators, the dance that lost \$1,000,-000, the assembly with no audience. How could so many things fail? It was as if some unseen force was keeping things from being a success. These woren't activities. These were passivities, Eighty-seven passivities.

How could this situation be so bad? How could all this indifference exist, all this apathy? Apathy—the "Dragon of Apathya," was it real? Impossible! Yet, look at the facts.

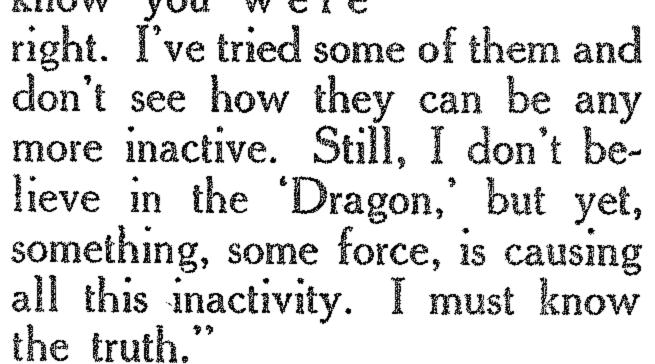
Hearing a clanking sound Techie turned to see his "Campus Leader" advisor coming along dragging his key chain behind him. He'd get to the bottom of this yet.

"I hate to bother you again, 'Campus Leader,' sir, but were you kidding me about that Dragon of Apathya?" said Techie.

"I wouldn't josh about a thing like that," replied "Campus Leader," shaking with fear and causing his keys to rattle vigorously. "Why do you bring it up again?"

CLANG

"When you told me there were no active organizations, I didn't believe you. Now I know you were



"Well, I'll tell you, Techie. As fantastic as is may seem, there is a 'Dragon of Apathya!' It all came about this way. Years ago, when activities were flourishing on the campus, we were ruled by a group of White Barons. These were the good Barons. Dances were successes with big name bands. There was standing room only for events in the auditorium.

"Then the dark day came. We were invaded by a group of Black Barons. They were bad barons. For days and days, weeks and weeks, months and months, the battle raged. The White Barons were winning, for Right was on their side. The Black Barons were almost beaten, and then, it happened. One of them had a clever idea.

"He looked in his Technette. There it was on the inside cover. We carry a wide variety of merchandise.' This was his solution.

What was the Black Baron going to do? How could the Bad Barons and the Dragon be defeated? Read next week's concluding installment.

as I sabili

GRADE SYSTEM CHANGES at Tech have not been smooth, as the recent probation notices reveal. Adoption of the new four-point system was planned at least a year ago to be put into effect this semester. At the same time, however, probation policies were being modified. Now, the two issues meet in an unfortunate combination.

We recall that the three-point system once defined probation level as below 1.0 ("C") in any semester. Students with a rough schedule were in anxiety for 18 weeks, dreading the possible "probation" stamp on their grade reports. Policy

was next eased to redefine probation as below 1.0 overall average, a boon to students employed part time or having heavy responsibility in student groups.

At the close of last semester, the regis-

trar's new IBM tabulator was geared for recording grades on the four-point plan. In a move to save work probation stamps were omitted from the grade reports handed out at the start of registration.

After all, it was thought, couldn't any student easily divide his point total by credit hours earned to see if he was in good academic standing? Easily, that is, if he realized that the new requirements were in effect, and that reference to 2.0 as a minimum would resolve any doubts.

Some of the 500 probationers did this, and others, we are sure, felt secure thinking that they were unaffected if their former average was 1.0 or better. But, in the process of change, a 1.0 was not always a 2.0. A few E's made the difference, for the separation of D and E is more clearly marked and felt—under the new system.

The startling discovery that a 1.0 before does not always equal a 2.0 now has made some students ask, "Why has the probation level been raised?"

INO mondy no parade

Last week a letter appeared in Technology News encouraging a parade for Junior Week. Evidently, the author hasn't stopped to think of the situation that faces Illinois Tech. I agree that the idea is "terrific" and other colleges have "rootin'-tootin'" parades, but those same colleges also advocate school spirit and other thoughts besides books and slide rules.

At Illinois Tech the parade idea faces many insurmountable obstacles. Probably the largest obstacle would be the financial one. Most fraternities and organizations on campus don't have enough funds to decorate a coal wagon. A parade must have attraction in it to be a success. Most presentable attractions would cost too much money.

The second obstacle would be a place to exhibit a parade. Other colleges have a campus on which to parade. Our campus wouldn't make a very good host to a parade of any calibre. If we had a parade away from the campus the floats would have to be elaborate to reflect favorably upon Illinois Tech. Again, elaborate parades cost money. As far as I can see, we're in a vicious cycle.

> Marty Hoeft. Junior Week Chairman

TECHNOLOGY MEWS

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SINSINSINS

"Are you going to take your girl to the movies?"

"We don't have to go to the movies."

"Why not?"

"Her mother and father are going."

Dee: "Swell party tonight." Bob: "Yeah. I'd ask you for the next dance but all the cars are taken."

Dave: "Do you believe that tight clothes stop circulation?"

Larry: "Not with a woman. The tighter the clothes the more she is in circulation."

An old Scotch bachelor received a request from an organization in London to take care of a dozen evacuated children during the blitz. The Scotchman refused on the basis that he hated kids. He was then asked to house six expectant mothers instead. "All right," the Scot replied, "but the gals musn't expect too much. I am past 70 years."

Little Johnny: "Mother, what's a honeymoon?"

Mother: "That's where your father and I went after we were married." Little Johnny: "Was I there

too?"

Mother: "Yes, dear, you came home with me."

"Hey, listen you," shouted the irate father threatening, "I'll teach you to make love to my daughter."

"I wish you would," replied Bob, "I'm not making much headway."

What women's clothing leaves to the men's imagination is what makes it so expensive.

Brakes should get tight when the driver does.

A kitten is larger than a cat because it takes two cats to make a kitten.

Personnel manager (to applicant): "What's your name?" Applicant: "I'm Gladys Zell." Manager: "I'm very happy my self, but what is your name?"

Phi Sig I: "This town is dull. Can you suggest something in the way of a good

Phi Sig II (disconsolately): Dean."

One can get disgusted with these people, or learn a lot from them. With indifference one can ignore them; with gentle tact, one can answer them briefly and smilingly; with nerve, one can reply to them in words at least two syllables longer than the ones they use.

Sky is mot limit in Akf research

Further insight into the mysteries of the upper atmosphere will soon be available through the use of a radiation recording instrument now in the development stage at the Armour Research Foundation. The new development is a metal sphere, nicknamed the cannonball, which will be ejected from a rocket at a height of 70 miles. The sphere contains three stabilizing gyroscopes, 14 temperature sensors, and a cam-

era unit.
The United States Air Forces, sponsors of the project, approved news releases by Dr. Severin Raynor of ARF in July, 1949. Results of the use of the instrument may

not be immediately available be-

March 10, 1950

cause of the military significance of the data.

Stabilization and suitable instrumentation are the principal problems now being solved by Dr. Raynor and his staff of mechanical and electrical engineers, physicists and laboratory technicians. Gyroscopes provide the answer to the question of how to maintain a steady, controlled fall.

Radiation measurements will be made by button-shaped temperature sensors on the surface of the sphere and the data will be recorded by a specially designed camera. After the film is used up the camera unit is in turn ejected from the cannon ball and parachutes slowly to the ground. Its location is determined by tracking a small, attached, high frequency radio transmitter.

Prior to the advent of rockets

the only methods of obtaining descriptive data of the little-known upper atmosphere were spectroscopy and radiowave reflection from the inosphere. Unmanned balloons cannot rise very high without bursting and manned balloons still less. In 1935 man rose to the height of 13.7 miles carrying spectrum analysis equipment where quantitative and qualitative measurements of the gases present were made. Layers of ozone, water vapor, and what is supposedly cosmic dust have been identified. It is these layers, which, with the help of lower atmosphere dust, disperse and absorb the sun's most powerful rays, thus protecting the earth from destruction.

At the height at which the cannonball will starts its descent the
temperature will be about 180 degrees Fahrenheit, according to
ARF sources. Another source of
information in agreement with this
hypothesis is a captured German
document prepared by eminent meteorologists in Europe during the

war. The translated papers also maintain that the aurora borealis and its southern counterpart, the aurora australis, are caused by the intense radiation of rarefied gases. Spectroscopy has shown these gases consist chiefly of oxygen and nitrogen. Helium and hydrogen, formerly believed to inhabit the stratosphere because of their lightness, are not present at increased temperatures, they attain a sufficient velocity to escape the earth's gravitational pull.

Thunder's booming voice is intensified by reflection from ionized layers at rocket altitudes.

Density and height of layers of the ionosphere have been obtained from American Army check stations all over the world which propagate short-wave radio frequencies into the upper atmosphere and monitor reflections. The higher the frequency the further the waves travel before reflection occurs.

It is hoped the cannonball will corroborate these evidences.

Human relations debate to rage

Sociologist Albert Biderman and BE Instructor James W. Fair-child, of the industrial personnel counseling firm of Fairchild and Harrison, will tangle in the latest Business and Economics club debate Monday at 4 p.m. in 305M. The debate, according to the

sponsors, will "cover the field of personnel management embracing such vague terms as anatomy of organization, personnel work, social controls and labor organization, efficiency, scientific management, and even unionization of engineers."

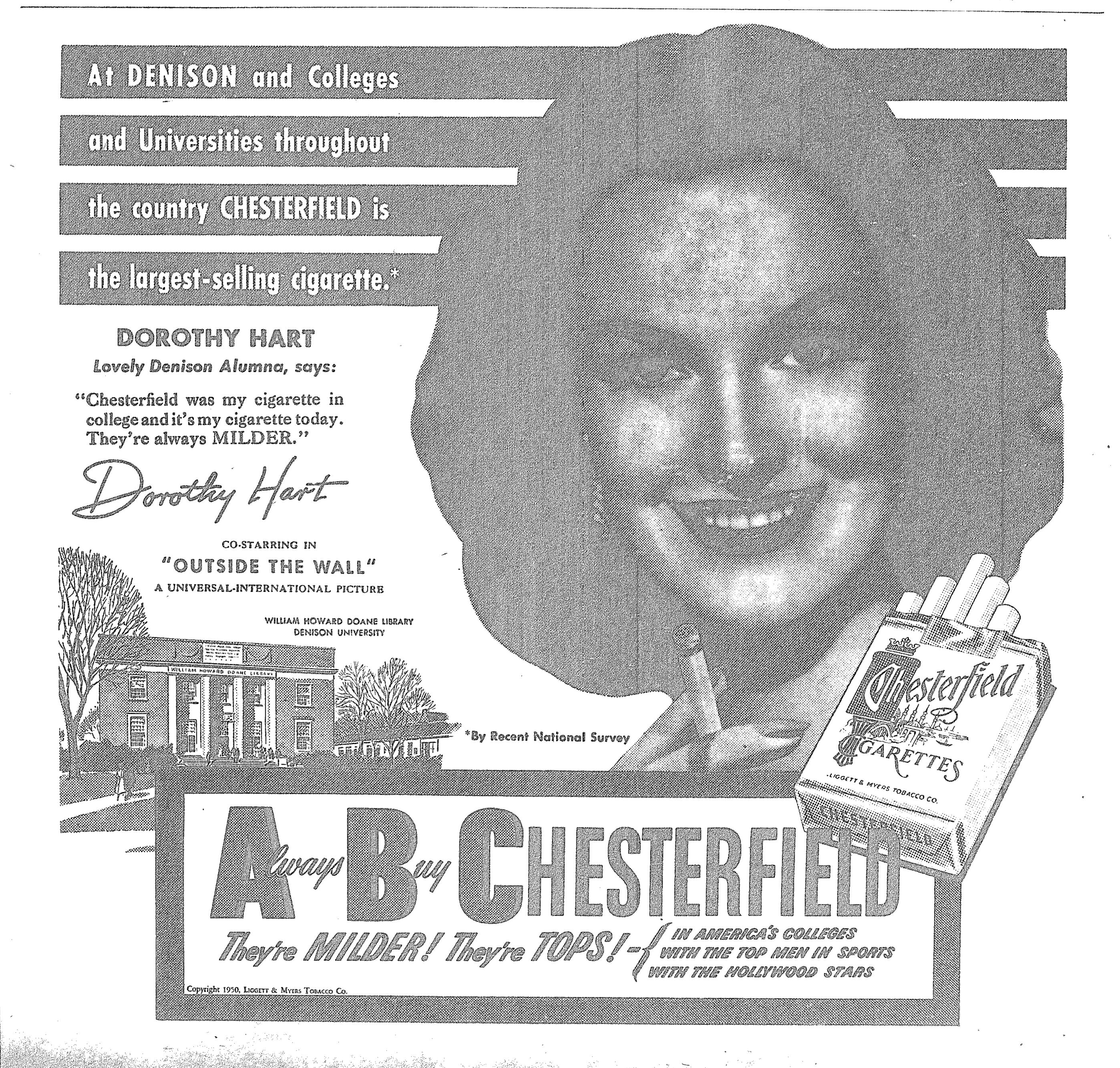
William Harrison, also of the BE department, grudgingly promises only moral support from the sidelines while his colleague meets Biderman's challenge to their "human-relations" theories. BE club spokesmen are predicting a slugfest on the basis of past performances by the Messrs. Fairchild and Harrison. The verbal encounter is the first of a series the club will sponsor this semester.

Students in the human relations course, BE 462, are looking forward with special interest to the debate which directly involves their field of study.

Placement holds meeting to plan future program

Broadening of student cooperation with IIT's placement program will be discussed at meeting of the Interprofessional council next week, Johnnie Best, acting chairman, has indicated. The council is composed of chief executive officers of the professional societies, who will be individually notified of the time and place of the meeting.

Also on the agence of this IPC meeting will be election of permanent officers for the semester, furtherance of its publicity-coordination scheme, and programming of other activities. A pertinent message will be given by placement director Harold L. Minkler, Best said.



Grant given to Dr. Froght for stress analysis research

A \$4,000 research grant has been awarded to Dr. Max M. Frocht, research professor of mechanics, by the Research corporation, New York, for fundamental study in three dimensional photoelastic stress analysis. Dr. Frocht's job will be to extend the

scope of photoelasticity to general problems and to improve the method for symmetrical problems. It will include a study of fundamental principles, perfecting methods and techniques, and an application to practical problems.

Photoelasticity is an experimental method of determining stress by applying loads to transparent models of real objects in a polariscope and analyzing quantitatively the pattern produced by the interaction of the polarized light with the model.

Until recently photoelasticity has been confined mainly to two dimensions, the stress in depth assumed to be constant. In three-dimensional work, studies have been limited to symmetrical objects.

The study today rests, in the main, on the ability to permanently freeze or fix a pattern into a material after the loads have been removed. Progress in three-dimensional photoelasticity has been accelerated by the development of "Fosterite" a material of greater stability than previous materials.

Sam Levin wins naval appointment

Sam Levin, ME 6, has received an appointment to the U. S. Naval academy. He won the appointment on the basis of a competitive examination for the Chicago Congressional district. Levin will enter the academy as a freshman.

Levin, 20 years old, is a member of Tau Epsilon Phi fraternity, ASME and the 1950 Junior Week committee.

Slipstick àrtists foil burglar

Two Illinois Tech students took a time out from studies Sunday night to capture a burglar.

Leonard Carlman and Charles Lindgren, CE's, were studying in their apartment at 48 N. Lockwood, when they heard noises upstairs. Investigating, they found Sam Cohen, 61, of 22 N. Halsted, looting a bedroom. Carlman and Lindgren subdued the burglar and after a short scuffle in which Carlman was cut slightly by Cohen's knife.

Tivo men maned to publications board positions

The appointment of two new members to the Publications board were approved by ITSA March 1. Marks Levy and Evert Saxe were selected after screening and interviews to determine their ability and experience.

Levy has written sports for Technology News and the Integral for three semesters, while Saxe has edited the Farr Crier, dormitory newspaper. The Publications board appoints the editors of the four student publications and assists the publications in any major problems which may arise. Its job is to hear all complaints on the publications and to make suggestions to the right people to correct the situation on which there has been a complaint.

Institute of Design will exhibit work

A 45-panel exhibition of the work done at the Institute of Design will be shown March 8-19 at the University of British Columbia, Vancouver, B. C.

The exhibit is being sent through the United States and Canada under the auspices of the American Federation of Arts.

"Learning Through Doing" is the theme of the exhibition which includes 125 photographs and accompanying textual material explaining the Institute of Design's development since its founding in 1937.

The exhibit graphically explains the foundation course which all students must take before specializing, as well as the Institute's educational principles and plan of courses in related design fields.

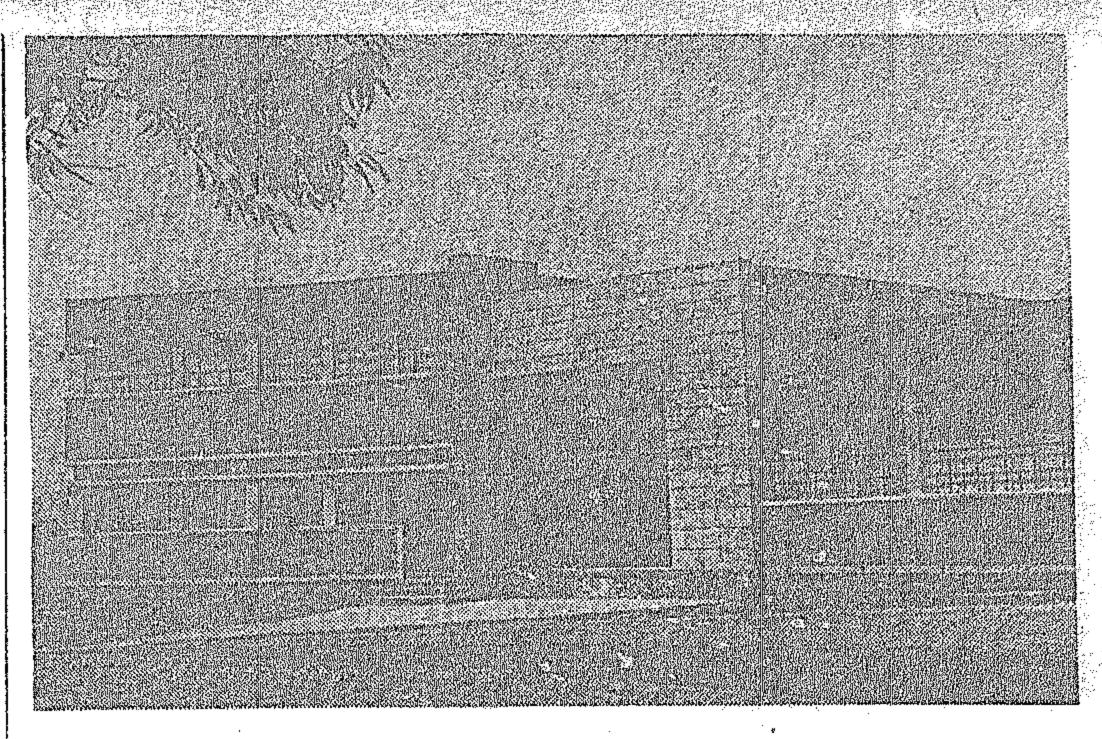
Industry, faculty to be featured in chem confabs

The Illinois Tech chapter of the American Chemical Society has arranged a series of talks to be given during its regular business meetings. These informative lectures, the first of which was presented at the last meeting by Francis Hayes, assistant professor of chemistry, are being delivered by professors and prominent men in industrial research positions.

G. Harvey Benham, associate professor of biochemistry, will be the featured speaker at the next meeting which is to be held on Thursday at 1 p.m. in the Chemistry auditorium. His topic will be "Frontiers in Biochemistry."

Membership in the society is open to all students registered in Chemistry, Chemical Engineering, or Metallurgical Engineering. Further information may be obtained from the officers of the organization or from Dr. Eugene Lieber, chapter advisor.

COLLEGIA



ARF research extends beyond national borders

It is highly probable that few people realize the scope of the Armour Research Foundation's operations, including not only domestic but foreign operations. Standing out among its foreign projects is the "El Plan Armour," begun seven years ago and

successfully operating ever since. This plan has given technological assistance which enables nations, such as those in Latin America, to import U. S. technology with a minimum depletion of dollar reserves.

The latest step in the plan was the construction of a new laboratory building in Mexico City (pictured above). This modern structure, occupying 1,500 square feet, was built by the Banco de Mexico, S.A. It is run by the Armour Research Foundation in the interests of Mexican technological development, giving Mexican enterprises the same level of scientific aid that is enjoyed by industries in the United States.

The "El Plan Armour" was brought to Mexico in 1944 at the request and sponsorship of the Banco de Mexico. Its first step was a nation-wide technological audit conducted by U. S. and Mexican scientists. ARF sent a carefully selected group of its staff who made their homes in Mexico and did

everything possible to absorb a keen understanding of the prob-

lems under study.

Then, upon specific recommendation by this group, laboratory research and developmental projects were started, some of these including the industrialization of cascolate tannin, the domestic extraction of quinine, improved methods for the production of oils for leather treatment and finishing and the development of tortilla flour.

As these technological problems were successfully solved, private Mexican industrial firms began posing a steady stream of research problems on glass, textiles, vitamins, corn products, and other items. Both the sponsoring agency and the Foundation's international division work together closely during the progress of any technical program to guide the work into the most effective channels.

The Foundation is continually helping Mexico develop its own technical facilities. At the same time Mexican engineers are being brought to the United States for additional training.

ARF conducts such programs as "El Plan Armour" on a non-profit basis. In addition, special arrangements are made to reduce operating costs and conserve dollar requirements by accepting a considerable percentage of domestic currency from countries facing a shortage of dollars.

Thus the Foundation's cooperative and economical method of attacking difficult research problems is furthering technological advance in international industry.

announce of the Ads

WANTED—old (1925-40) electric trains, 0 gauge, Lionel, Amer. Flyer, Ives, in any condition. Don't let old ones rust away in basement or attic. Drop list of stuff and price wanted in Tech News

ADMIRAL PHONO-RADIO — Walnut console \$50.00; pair new blond end tables. GR. 6-1452.

FOR SALE—2 new Supercushion tires, 6.70-15; unused, \$25.00. Call after six—VA. 6-5010.

LOST: Text book, "Administrative Law," by Walter Gellhorn. Return to Ira Rakley, VI. 2-8734.

APT. TO SHARE—Male student will share 3 room apartment, south, Call Dave Westbrook, SOuth Shore 8-1010.

LOST—Pair brown leather fur-lined gloves. Reward. Please return Elaine Krause. EUclid 6-8649.

FOR SALE—9 x 20 green Clearfiax rug with Ozite pad. Used one year, Cleaned and in perfect condition. TRiangle 4-4904 evenings.



They come in regular, wide spread, button-down

and many other collar styles—every shirt care-

ARROWSHIRTS & TIES

Handnerchiefs

\$3.65, \$3.95, \$5

SPORTS SHIRTS

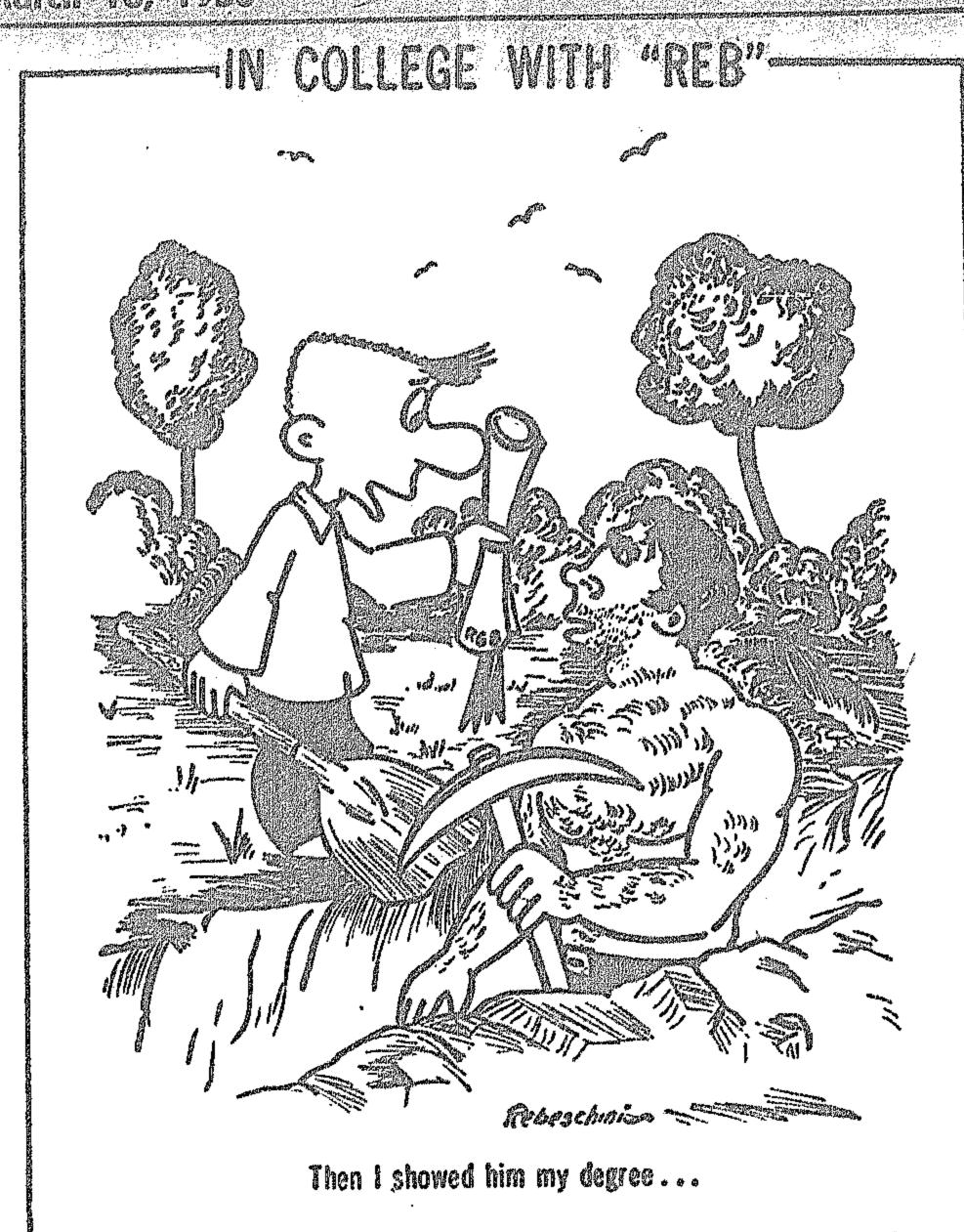
fully tailored of fine fabrics.

Solid Color Shirts

By Arrow \$3.65 up

Be sure you have plenty of these new Arrow solid color shirts an hand! Good looking and practical addition to your wardrobe, these Arrows are Sanforized-labeled, of course — and specially cut for body-conforming fit. Come in for yours NOW!

INTITOINS Have & Syllon & Conjuny



Photogs open camera bees to Tech mersonnel

Photographic discussions and demonstrations sponsored by Armour Eye will henceforth be open to all Tech personnel. Notices of the club's public functions will be mailed to anyone who gives his name, address, and phone number to Frank Curtis, Eye president, Rakley, vice-president, or Frank Ditto, secretary-treasurer. No charge will be made for inclusion in the group's mailing list.

Parker proposes candy foundation

The formation of a candy industry foundation for food engineering and sanitation direction was proposed to confectioners Feb. 27 by Milton E. Parker, director of food technology.

Speaking before members of the National Confectioners' association Midwest area sanitation meeting in Chicago, Parker urged "the establishment of a foundation expanding the advisory services alleady being offered for the protection of candy consumers by the NCA."

"Government regulations are merely minimum requirements. Consumers safety and industry well-being demands industry-wide initiative in securing the best counsel and supervision."

He cited the "3-A Sanitary Standards" formulated for food processing equipment of the dairy industry by the International Association of Milk and Food Sanitarians, the U.S. Public Health Service, and the Dairy Industry committee.

dimetable

Itoms appearing in Tech Timetable are those which have been schoduled with the Deen of Students' office.

Friday, March 10

Food Technology department, 11 a.m., Exec. conf. room Visual Education, 1 p.m., NU aud. Chess club. 4 p.m., SU lounge Dean's kaffeeklatsch, 4 p.m., Exec. conf. room

Monday, March 13

BE club debate, 4 p.m., 305M Newman club, 5 p.m., MC conf. room Pi Tau Sigma, 5 p.m., 115CB Sigma Iota Epsilon, 5 p.m., IHC

Tuesday, March 14

TFU, 5 p.m., NU lounge

room

ASCE, 1 p.m., 115CB Campus Players, 1 p.m., NU aud. FPES, 1 p.m., 108C Freshmen health class, 1 p.m., 302M Campus Players, 5 p.m., NU lounge Lutheran Students association, 5 p.m., Exec. conf. room Science Fiction club, 5 p.m., 108MC Food Technology department, 6 p.m., 115CB and 131MC IAS, 8 p.m., 131MC

WEDNESDAY, MARCH 15

ARF chorus, 12 p.m., NU aud. Alpha Chi Sigma, 5 p.m., 108MC Newman club, 5 p.m., 302M Tau Beta Pi, 5 p.m., 101MC Pi Delta Epsilon, 5 p.m., 202C Yacht club, 5 p.m., 202MC Chi Epsilon, 6 p.m., East dining room APO, 7 p.m., NU lounge

Thursday, March 16

ACS, 1 p.m., 118CB AIME, 1 p.m., 204MC Campus Players, 1 p.m., NU aud. Co-op club, 1 p.m., 108MC Math club, 1 p.m., 204C Radio club, 1 p.m., 101MC Record concert, 1 p.m., 131MC Senior class placement, 1 p.m., 115CB Campus Players, 5 p.m., NU lounge

Friday, March 17

Chess club, 4 p.m., SU lounge Dean's kaffeeklatsch, 4 p.m., Exec. conf. room Campus Players, 5 p.m., NU lounge

CAMPUS BARBER SHOP

Under New Management

ERNIE PIROFALO

- O BY APPOINTMENT ONLY
- 0 8-5 MONDAY THRU FRIDAY
 - o PLEASE BE PROMPT

Two Barbers on Thursday and Friday West Balcony of the North Student Union

Jett amnowices: resignation as ARF executive

Edgar A. Jett, II, assistant director of Armour Research Foundation of Illinois Institute of Technology, has announced his resignation, effective March 31. At that time he will accept an executive position with the Nutrine Candy company.

Mr. Jett joined the Foundation staff August 1, 1947 as director of sponsor relations and was promoted to assistant director May 1. 1948.

Prior to joining the Foundation he was director of sales for the Great Lakes district of the General Electric company.

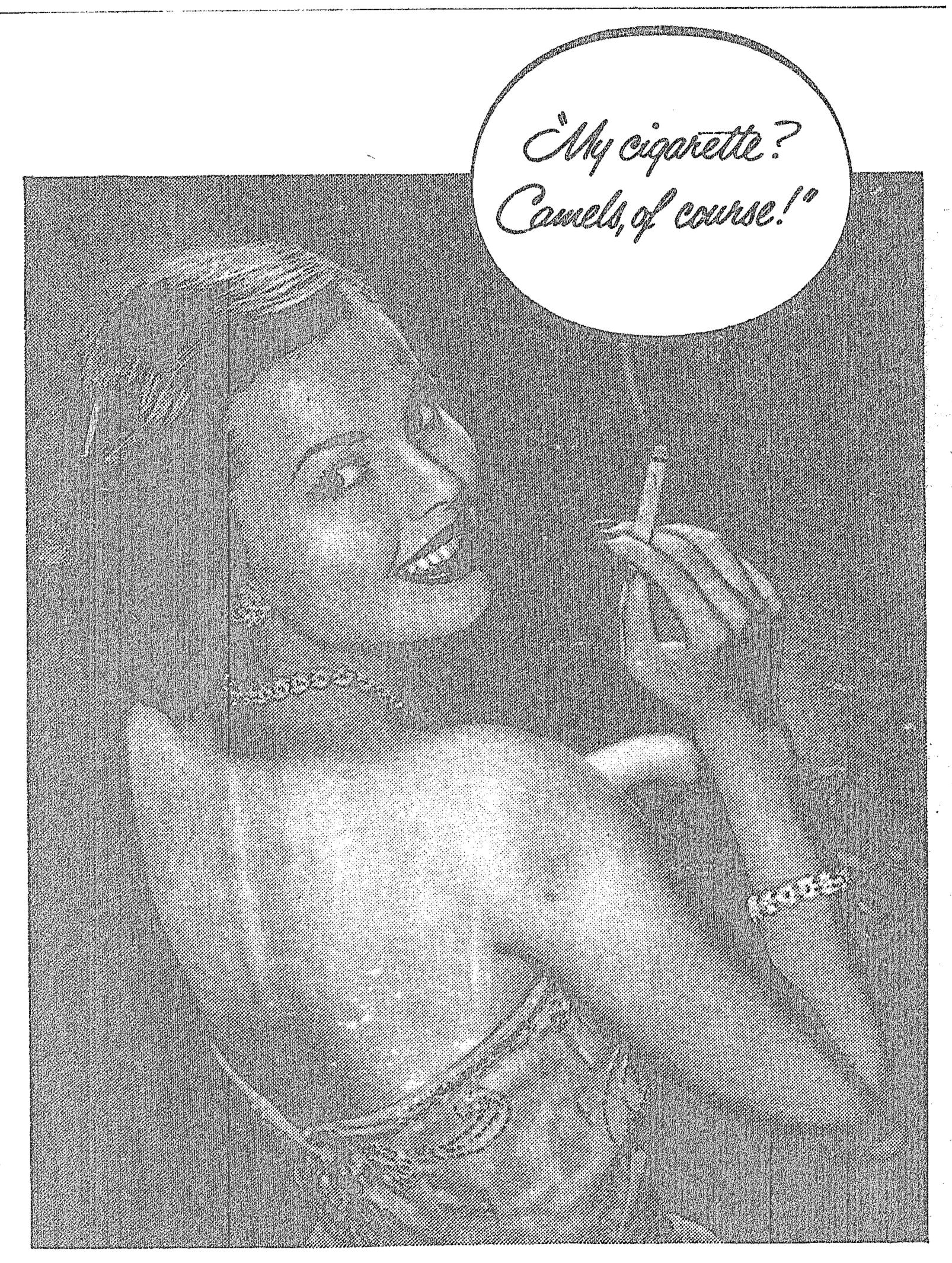
News in Brief

In order to facilitate operations of the Veteran's Office at the Illinois Institute of Technology, it will be necessary to discontinue the sale of books and supplies on March 31, 1950.

The ITWA has announced the completion of the women's lounge in the MC building. The arrangement and decoration of the room was handled by the interior design class of the home economics department.

One of four great film classics of the American scene will be presented by the Alumni Association tonight in the North Student union at 8 p. m. to alumni and their friends free of charge. The film is entitled "The Late George Apley" and stars Ronald Coleman and Peggy Cummins. The picture is a deft and amusing screen adaptation of John P. Marquand's best seller depicting the familiar conflict between generations—and, in particular, between custom-bound Boston and the changing world. The movie is a part of the fifth annual alumni "Living with the Arts" series.

Next Thursday at 1 p.m., the metallurgical engineers will be entertained by a movie and a speaker, sponsored by AIME. The film, entitled "Copper," is presented by the Anaconda Copper company, whose representative will be on hand to answer any queries.

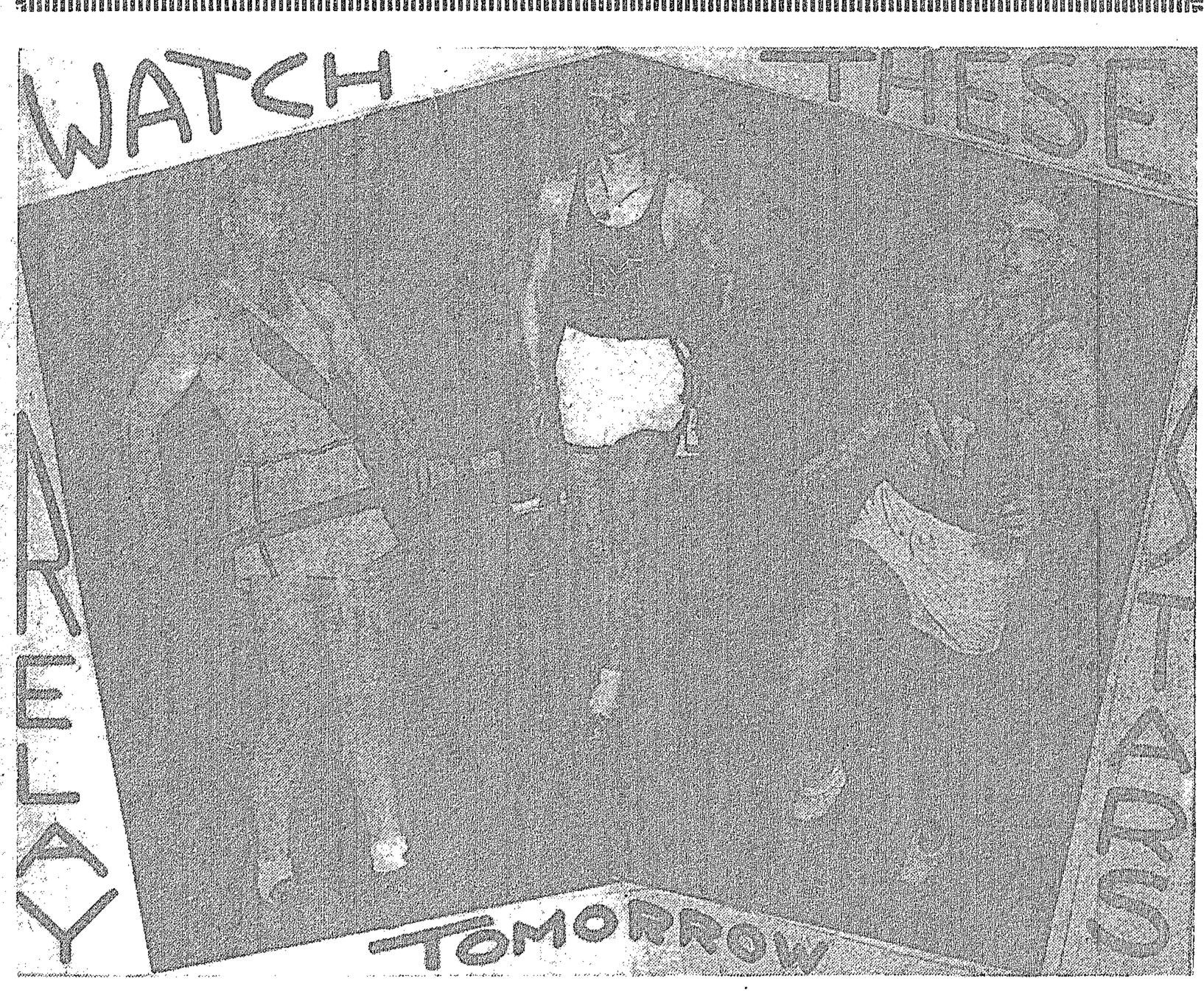


WITH SMOKERS WHO KNOW...IT'S



NOT ONE SINGLE CASE OF THEOAT HERENTATION due to emoking CANGELS!

Defending champs favored in Relays



LEFT: DON LAZ, defending champion in the relay pole vault. CENTER: Bill McGuire, Missouri mile king. RIGHT: Dean Pieper, Northwestern's challenge to McGuire.

Wolves recapture I/A title efter throwng Rassiers

By Len Kohan

After having lost their title in last year's finals, the bruised but victorious Wolves again captured the IM basketball championship by tumbling the Rasslers 29-18.

Fred Woeller, the Wolves' star forward was hurt in the first few minutes of play and had to retire from the fray. Led by Chuck Oldenberg and Bruce Tennant, the champs overcame the fighting Rasslers paced by John

Mikota. Besides Woeller's sprained ankle, Tennant suffered a bad gash on the side of the head, and Jack Deveraux lost a tooth and had his mouth badly cut in the fierce play.

In the semi-final games of the intramural tourney last Tuesday, the Wolves, led by Bruce Tennant and Fred Woeller, humbled the previously unbeaten IFs, 45-38. The second game saw the highly touted Whiz Kids beaten by an underdog Rassler team, led by John Mikota, 21-19.

With Bruce Tennant sinking eight quick points at the beginning of the game before the IFs could even score, the Wolves jumped into a lead which they never yielded throughout the entire contest. Tennant, with 19 points (including seven out of seven charity tosses) paced the Wolves, followed by Woeller with 10 and Ed Jennings with 8. The IF's scoring was handled by Bob Grines and Sherm Roberts, who contributed 8 points each, and Rog Krafft, who connected for 7.

In a very low scoring game the favored Whiz Kids were upset by a surprising Rassler aggregation, who led almost all the way. Led by John Mikota, who tallied 10 points (almost half his team's scoring), the Rasslers outfought the valiant Whiz Kids, whose stars, Dick Van Meter and Bill Mattern, were held to a mere 4 points apiece.

see BOX SCORES on page 7

Seals close season tomorrow; Capt. Klitzke out for 'last laugh'

By Joe Rodgers

Tomorrow the Illinois Tech swim squad ends its season by competing in the First Annual Midwest Swim Meet sponsored by North Central of Naperville. The meet, which will involve 13 college squads, is to be a one-day affair, beginning with the pre-

liminaries at 12:30 p.m. and ending with the finals in the evening. It will be a meet which will test the endurance of the swimmers as well as their speed. The most interesting event for the IIT squad will be the fancy diving which will bring the Scarlet and Gray captain, Ramon Klitzke, up against Ackerman and Hagerty of Loyola for the third time this season.

In the Loyola-IIT meet, held last December, Hagerty defeated Klitzke, while Ray edged out Ackerman. Last weekend the three met again and this time, while popular opinion favored Klitzke and Hagerty, Ackerman won by the very narrow margin of .8 point, with Ray second. Thus the Loyola duo hold a one win edge apiece in the three-man competition. To add to the spirit of things, Smiley of Illinois Wesleyan, the only other man to defeat Ray this season, will also be on hand at Naperville to make the diving anybody's race.

Last weekend the squad found their first tournament a little rough as they were held to 16 points in

the senior division and were able to take only third place among five competing schools in the intermediate division. For the third straight year the University of Chicago dominated its own meet by winning with a wide margin over De Paul, Loyola, IIT, and Navy Pier.

Points were gathered for HT by the relay squads, by Earl Takata in the 150-yd. back stroke, and by Klitzke and Brown on the springboard. Ted Erikson also aided the IIT cause by placing in the meet opener, the 1,500meter race.

In the intermediate division Valovic of IIT nosed out his teammate, Zichterman, in the 120-yd. individual medley to give IIT its only 1-2 win and one of its two first places. The other first-place honor was taken by Bob Campbell in the 150-yd. back stroke, also in the intermediate division.

Other IIT men placing in the intermediate division were Erikson, in the 220-yd. free style; Spath, in the 60-yd. free style, and Carlman and Christian, in the 200-yd. breast stroke.

Aumers seek men records in tomorrows Jech Relays

By Dave Miller

The largest indoor track meet in the world, that's the 19th Annual Illinois Tech Relays. Even with the standards raised to speed up the meet and to eliminate many of the competitors for better races, this year's running of the Tech Relays has succeeded in matching the attendances of

former years with another enrollment of over 700 athletes from 59 schools.

Among the 726 athletes entered in the Relays tomorrow night are defending champions in 16 out of the 20 individual events. Outstanding among the returning champions are Garion Campbell of Michigan Normal. who won the college broad jump and tied the American indoor record in winning the 70-yard dash in :07.0, and Bill Fleming of Notre Dame, who won both the high and low hurdle titles in the university division.

Charles Fonville of Michigan, 1948 shot put champ in the university division, who did not defend his title last year due to back injuries, is back for another attempt to regain the crown. Don Laz, Big Ten pole vault winner last week, will seek to better the Tech Relays record he set last year with a leap of 14 feet 1 inch. Laz has unofficially been credited with a vault of 15 feet in an intersquad meet at the University of Illinois this year, and is favored in this event.

Jim Holland of Northwestern, broad jump; injury-beset Bill Mc-Guire of Missouri, one-mile run: Harold Omer of Purdue, 70-yard dash, and Randy Vanet of Missouri, 440-yard run, are other defending champions in the university division.

In the college division, returning champions are Jack-Heintzman of Bradley and Bill Ross of Baldwin-Wallace, who tied in the high jump; Jack Weiss of Michigan Normal, shot put; Roy Grieve of Bradley, 70-yard high hurdles; Norb Badar of Michigan Normal, 70-yard low hurdles; Bill Conrady of Loyola, mile run, and Don Smith, another Normalite, half-mile run.

In the team championships last year's winners, Michigan Normal and Purdue, are returning. The Hurons are odds-on favorites to repeat in the college division for the fifth consecutive time and for their eighth win in the last nine runnings of the games. The Boilermakers will be hard pressed to retain the title they won in the university division by two and onehalf points from a strong Notre Dame team.

A power-laden Michigan team led by their sophomore distance sensation, Don McEwen, will enter several potent relay teams and should do well with placing in most events, rather than winning a few and not placing in others. The contingents from Illinois, Notre Dame and Missouri may provide enough interest in the team race to come out on top themselves.

The university division looks like a Big Ten-Big Seven duel with the Fighting Irish and Marquette thrown in for good luck. The broad jump will match Holland, Big Ten champ, with Herb Hoskins of Kansas State who was second to him last year, but who won the Big Seven title in that event this year. In the high jump Lou Irons of Illinois will have to face Bob Gordon, undefeated sophomore from Missouri. The shot put will match Fonville with Rollin Prather of Kansas State and John Helwig, Central Collegiate Conference champ.

In the mile run McEwen and Northwestern's sophomore miler, Dean Pieper, may have to show McGuire (who is from Missouri) which league is best in what may be the most hotly contested event of the night.

There are still a limited number of reserved seat tickets available at the gym from Sonny Weissman and Ed Glancy for only \$1.50. General admission will go on sale tomorrow night at the University of Chicago fieldhouse, 56th and University, at 6:30 for the price of \$1. Get your ticket now and see the greatest indoor collegiate track meet of the year tomorrow night.



I'm looking for money again. Money, a substance which this Institute seems to have a deplorable lack of—for useful purposes!

Perhaps some of the funds donated for such "dire necessities" (in the Institute's 20 year plan) as the "BELLS" in the North Union could be used to give the students a recreation hall?

There is not a single place on campus (excluding the gym which leaks when it rains) where a student can indulge in some sort of mild recreation such as ping pong, billiards, or dancing (there is a jukebox lying around).

The closest thing to such a rec-room is the smoking jungle beyond the doors of Technology News (commonly called the South Union "Lounge") wherein may be found a few card tables, uncomfortable chairs, and usually trays of dirty dishes left behind by the retreating populace. It is here that thousands of students seek to either study, eat or play cards while listening to the announcements blared over the loudspeakers.

For relaxation you must run up Federal Street to listen to the "Serenade of the Bells."

Why isn't something done? ON THE BRIGHTER SIDE

Mr. Wrigley makes his first mistake of the season tomorrow—

bringing the cubs back from their island hide-away.

Bill Wight will lead Chicago's White Sox against theugh-inhabitants of Chewing Gum Park, in the Los Angeles' opening of the Spring city series, tomorrow. Stick with those Sox!

Tech smashes (Jonesh, Scalamera scores 26 points

By Sonny Mann ..

Illinois Tech's rejuvenated basketball squad won its eleventh game as it wound up the season by walloping a strong Concordia five to the tune of 71 to 60 on Friday, March 3rd. As usual, George Scalamera showed his stuff as he tossed in 28 points. Their eleven wins against five losses finishes a highly successful season for the Tech five.

The Techawks didn't show much steam as they walked off the court at halftime leading by the slim margin of 30 to 28. However, in the second half it was all Scalamera as he dumped in 22 points. Impressive, too, was the fine play making of Tom Goralka, Bob McCue, Howie Gardner and Bob Leiser which kept the ball in the Concordia zone much of the time. The deciding factor of the game was the hitting of 23 out of 27 charity tosses by the Scarlet and Gray.

The game marked the last time Big George will wear the Techawk uniform. Without a doubt he is the best center to play on an IIT basketball team. His 19.8 points per game average ranks him 18th in the country in small college competition based on National Collegiate Athletic Board tabulations. He broke his own individual IIT scoring record of 279 points made last year by amassing 317 points this season.

This year the boys from the pillar palace hooped 933 points for an average of 58.3 points per game while allowing only 778 points to flow through their hoop. Their defensive average of 49.3 points a game ranks IIT 15th in the country for small colleges.

The Tech bucketeers burned up the baskets against Aurora College in racking up their highest score of the season, sinking 51 per cent of their shots in piling up 84 points. Contrasting this, Tech could only hit on 21 per cent of their throws in the second Navy Pier contest. Through the season the Techawks dropped in a neat 35.7 per cent of their tosses, showing the accuracy of the Techmen's shooting.

"This has been one of the best teams ever to play for the Insti-

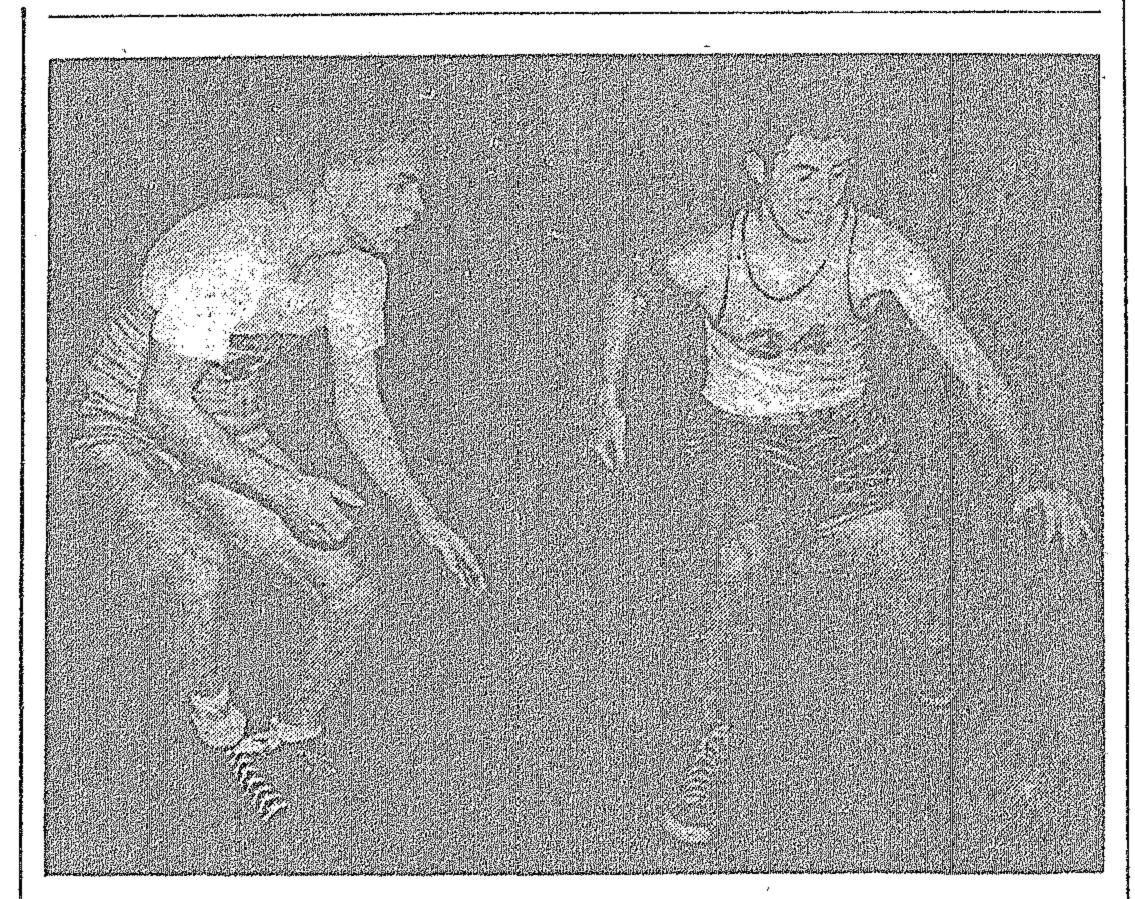
By Sid Doppelt

Brushing aside a major obstacle, the cup-hungry cagers of Theta Xi took another step in the direction of their second straight championship.

Monday night they faced AEPi and methodically rolled up a 31-19 halftime count against the fighting but badly outclassed losers. The champs also displayed their potent reserve strength when they played much of the game with some of their first string men under wraps. The second half was more of the same for AEPi, who up until Monday were in a contending position. At the final whistle the score had become 62-47 against them and it dropped the curtain on champion-

ship thoughts for AEPi this year. In the second game of the evening, Alpha Sigma Phi retained their slim chance of overtaking the leaders by trouncing Sigma Alpha Mu by a 50-25 tally. Bruce Tennant and Hank Lokay sparked the victors by dropping in buckets from all over the floor as well as by their heads-up defensive play. The score at the half was 28-15 and after that Joe Bass and company were never again a serious threat.

Tuesday night, Delta Tau Delta will meet Theta Xi in the game which will either clinch it for the defending champs or put them in deadlock with the Alpha Sigs for first place. This, of course, is assuming that TX will reel off victories against a few of the lower position squads, which they certainly will be favored to do.



DON KELL OF Concordia hawks Bob McCue as the "Chief" drives in close.

Goralka

Schultz

Maatman

tute," Coach Ed Glancy said of his gladiators. "Their competitive spirit and sportsmanship were highly praised by opposing players. I am very pleased with the squad and the record is most satisfying."

When asked about the prospects for next year, Glancy stated that he expects the return of eight letter men. Of these, 6 foot 7 inch Ted Schultz, who showed much promise near the end of the season, may take over the pivot post. Howie Gardner and Carl Moeck, fresh from the IM league, played

excellent ball with the varsity and should work well with veterans Goralka and McCue.

O BOX SCORES Illinois Tech 71-Concordia 60 Player fg ft pf Player Gardner Bathle Moeck Bickel Keii Leiser Scalamera 9 10 Hohmann Urasky Grothouse McCue Herzog Peter'n R. 2 0 Gemmer

24 23 23 Halftime score: IIT 30; Concordia 28.

Brackman 2 2

0 1 0 | Schaeffer 0 0 1

Wallis

0 1 0 | Schreivogel 0 0 1

Truck leam for coming seasom revealed by Coach McCauley

Last Saturday Coach Roy McCauley made public his list of trackmen and the events in which they will participate for the forthcoming season. The size of the team has been greatly reduced due to probation with the result that there are only 24 active men,

11 of whom are returning letter-

men.

The pole vault will be handled by Allen Hall and Irving Gottesman; the high jump by Greg Haugen; and the broad jump by Ken Yahiro. The weights will be handled by John Gautier, Ken Yahiro, Denny Hermannsson and Wayne Hayes.

In the dashes we will see Co-Captain Bill Baumgartner, Kieth Wingate, Dean Levi and Harold Keys. Dave Miller, George Minkler, John Sayles, Clarence Langer and Kieth Wingate will be found leaping over the high and low hurdles.

The quarter- and half-mile positions will be occupied by Dick Durand, Leonard Gallas, Ellis Flaws, Ted Randish, John Lockwood and David Sullivan. In the long-distance events Tech will enter Co-Captain Walter Kohler, Al Ashurst, Don Anderson, Dick Durand and Harold Danko.

TRACK SCHEDULE

Chicago Four Loyola, De Feb. 18 Paul, Chicago, IIT @ U. of Chicago. North Central, Loyola, IIT Feb. 25 @ Naperville.

Midwest Intercollegiate March 4 Track and Field Meet @ Naperville. March 11 Tech Relays @ U. of

Chicago. March 18 Milwaukee State Teachers. Northern Illinois State

Teachers, 11T. March 25 Morton, IIT, 3rd team undecided.

Outdoor April 1 Northern Illinois State Teachers, IIT. U. of Chicago, IIT @ Stagg April 15 Field. April 22 Elmhurst, IIT, @ Elmhurst. April 29 Rise Polytech Relays @ Terra Haute. Beloit Relays @ Beloit. Elmhurst Relays @ Elm. May 6 May 13

hurst. May 20 Open date. Navy Pier, IIT @ Pier.

O BOX SCORES

Wolves 29-Rasslers 18

Tenant Jennings Woeller Costalis Oldenberg Murphy Di Julio	fg 3002302	ft 23 01 21 0	pf 521 44 44	Schuman Johannes Deavreaux Mikota Mutera Miller Nelson	4 0 0 0	ft 1005000	pf 3052120
	10	9	21	Gajewski Scott Dymmei	1 0 0	0 0 2	5 1 2

Halftime score: Wolves 14; Rasslers

Walves 15 - 20

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ayer nnings Julio stalis denberg urphy oeller nnant	fg3102036	ft 2010147	pf 3152332	Player Bass Roberts Kapke Grines Krafft Erdman Kuzia	fg1 31 2311	ft 0224100	pf 2440414	
***********	15	15	19	Gentzel Sher	2 0	0	Ž 1	

Halftime score: Wolves 24; IF's 14.

14 10 22

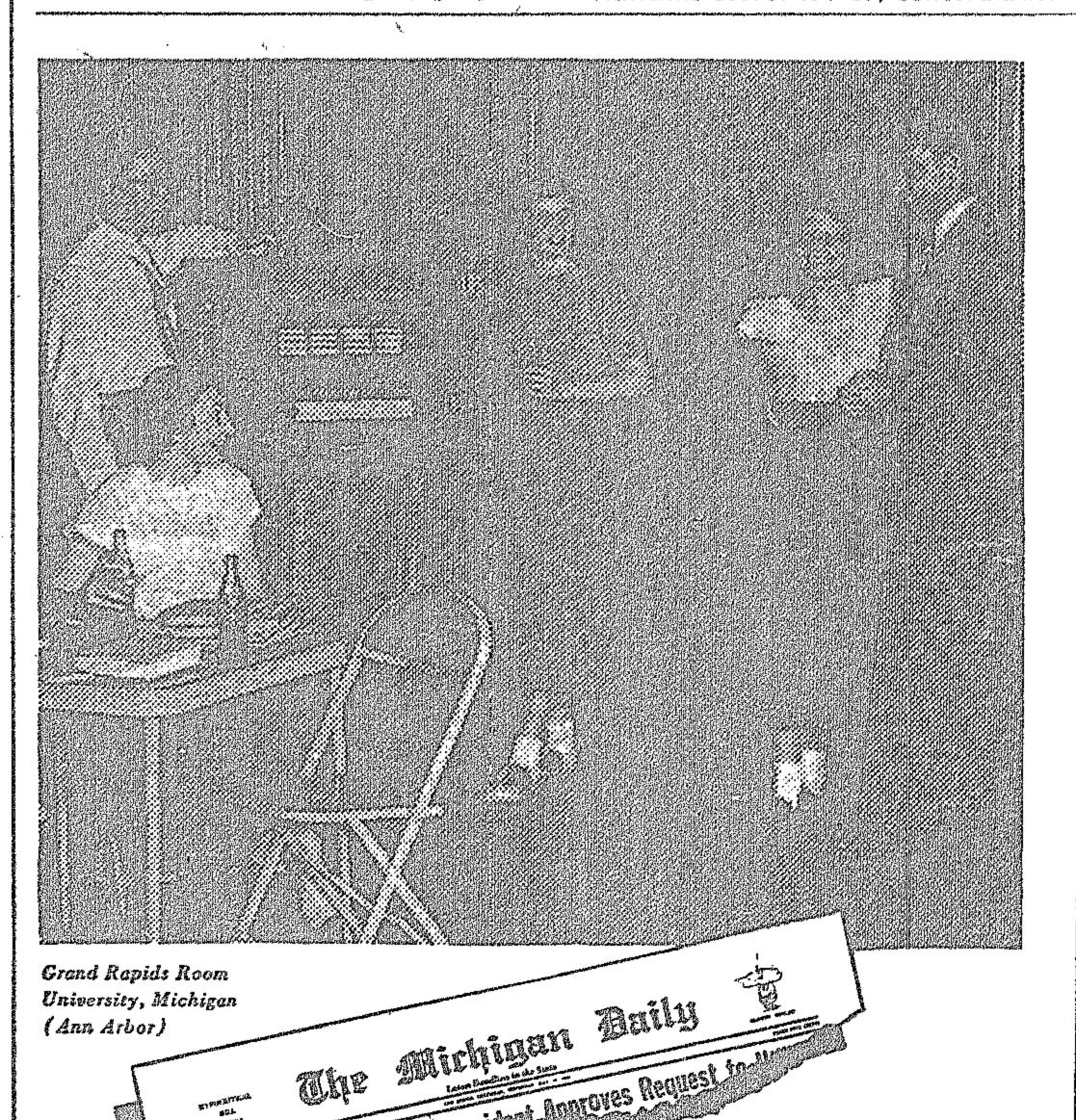
Rasslers 21-Whiz Kids 19

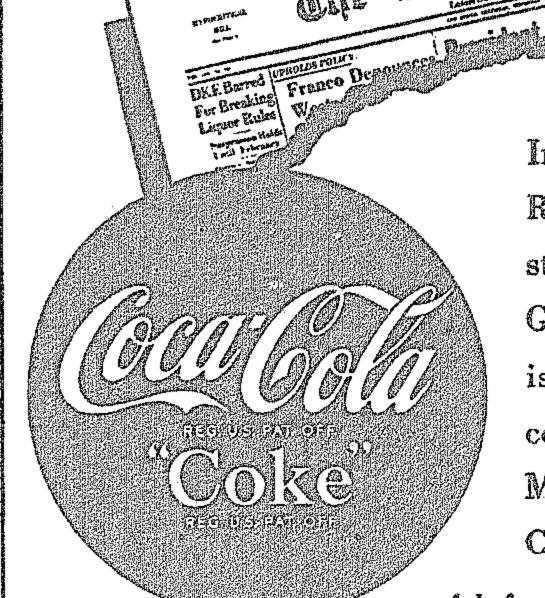
Player	fg	ft	pf	Player	fg 2	rt	pf
Nelson	0	0	0	Van Meter	2	0	5
Mutera	0	2	2	Hoeft	1	1	0
Dymmel	0	0	3	Mattern	2	0	0
Schuman	1	1	4	Bolton	7	0	2
Mikota	4	2	2	Lynn	0	1	4
Deveraux	0	4	1	Ohms	ø	1	1
Gajewski	1	O	1	Nory	0	0	1
Miller	0	0	1	Beatty	0	2	3
Johannes	0	0	0	Opelka	1	0	0

7 5 16 Halftime score: Rasslers 9; Whiz Kids 7.

Ciummers Cio

The Illinois Tech Rifle team will travel to Urbana tomorrow and fire in the Illinois Invitational Rifle Match. This competition is sponsored by the Pershing Rifles of the University of Illinois and will include most of the teams in the state.



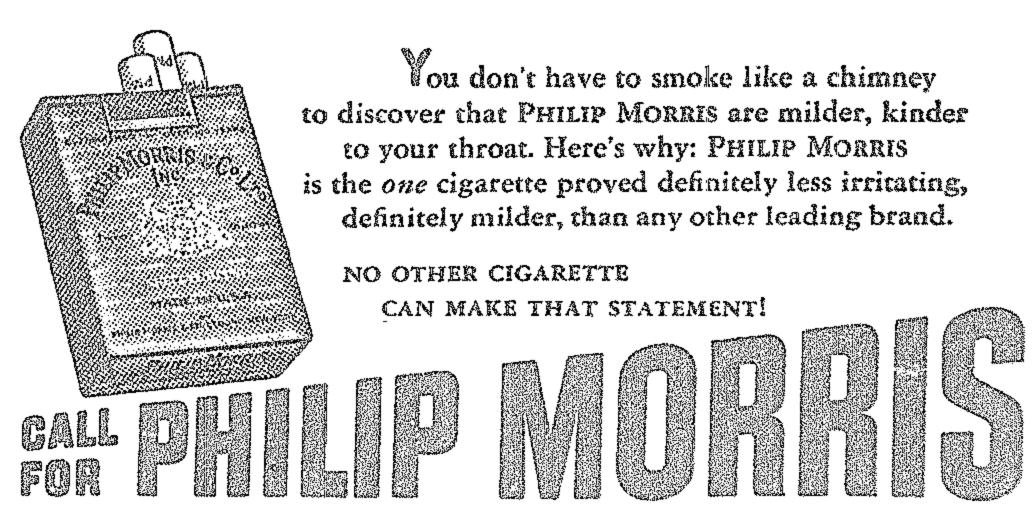


In Ann Arbor, the Grand Rapids Room on the campus is a favorite student gathering spot. In the Grand Rapids Room—Coca-Cola is the favorite drink. With the college crowd at the University of Michigan, as with every crowd— Coke belongs.

Ask for it either way ... both trade-marks mean the same thing.

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"It's no use, Mary, he's been like that since he discovered there's NO CIGARETTE HANGOVER when you smoke Philip Morris."

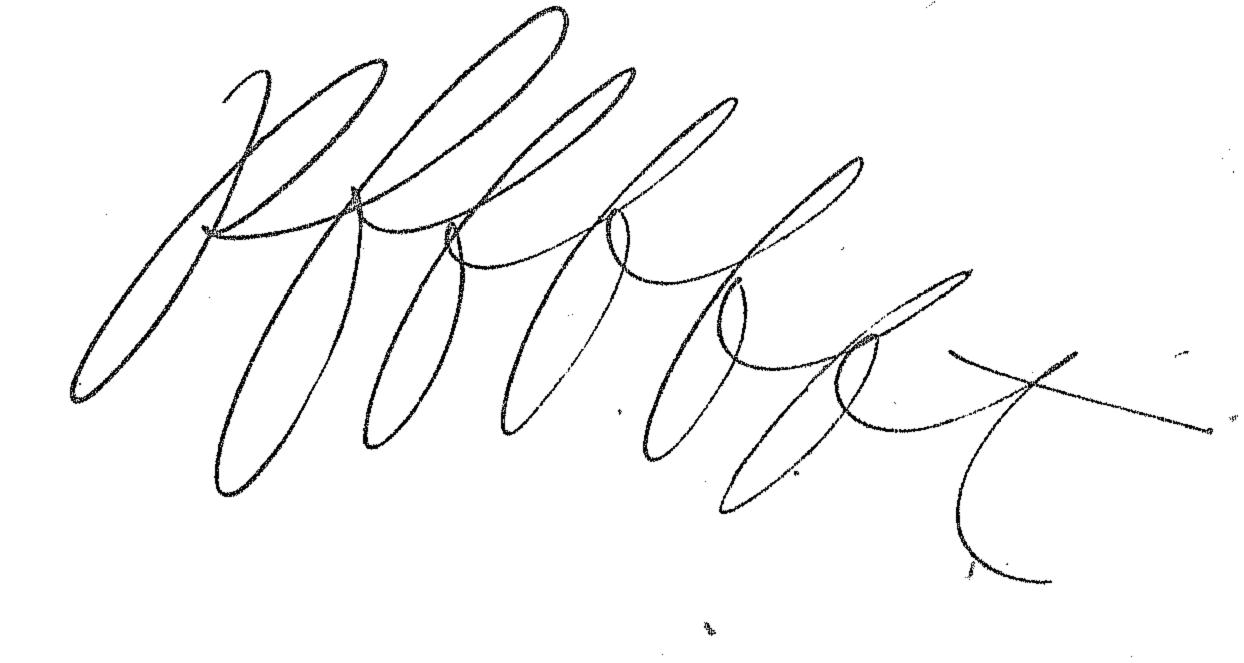


Store Hours, 9:15 to 5:45

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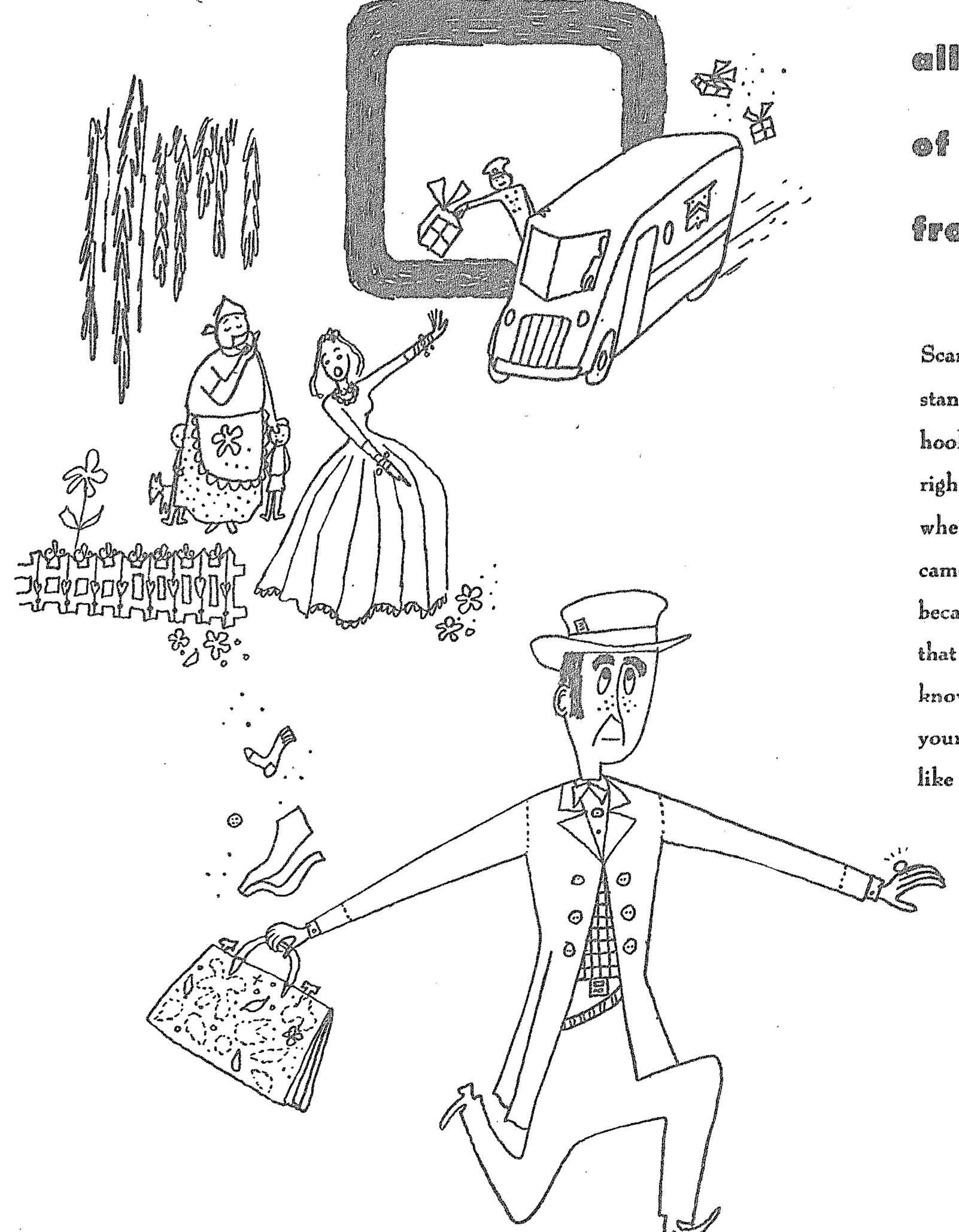
that went



all for the want of a gift

from Field's

Scarlett O'Hara had more than the standard equipment it takes to hook and hold a man. She did all right, too, clear up to page 1028, when Rhett said this was where he came in and walked out. And all because Scarlett forgot one think that any smart woman ought to know: when you need to save your union, there's no confederate like a gift from Field's!



morals its an ill "wind" that brings no gift from Field's