



## Here's tenth annual JW OH show!

### Contests spark student events

Junior Week, Illinois Tech's annual springtime festival promises three days of fun-filled enjoyment for both spectator and participant alike as social whirls, athletics, and contests of all descriptions fill the campus air with song, cheer, and laughter in a never-to-be forgotten riot of events.

### Look at the birdie

Put your bare foot forward and strut your stuff at the Junior Week Square dance. The date, May 3, the time, 8:30, the place, the gym. Bring your date and start the evening with fun and festivities, dancing to the "Virginia Reel" and "Turkey in the Straw." Hop along to your favorite "pops" during intermission. Music will be by "The Hog Caller of South Maywood." Diversion for the frustrated, refreshments for the hungry, and music for the light-footed is promised. You don't have to be a square to attend, however, so cometh, checketh your shoes at the door, and be light-footed the rest of the evening.

### Swing partners

Armour Eye, IIT's photography club, recently held a photography contest of monochrome pictures containing subjects of general interest. The results will be posted for visitor inspection during Junior Week.

Valuable prizes were awarded to the winners, including a Weston Master II exposure meter, a \$15 award and gift certificates for (See EVENTS on page JW-3)

For its tenth anniversary, Illinois Tech has come up with the biggest and best Junior Week-Open House show yet, surpassing even previous exhibitions that have made this traditional event the highlight of the school year. Students, aided by the faculty and staff, have rolled up their sleeves and pitched in to show the whole Chicago area the progress that has been made in engineering and education.

The general public, as well as the alumni, friends and families of the students, staff and faculty have been invited to come and see "what has been done" during the three days of the Open House-Junior Week program, May 4, 5 and 6.

The program planned for the visitors will consist of guided tours, displays, demonstrations, and motion pictures presented by the students, faculty, and staff.

Laboratories and classrooms of Illinois Tech, the Institute of Design, the Institute of Gas Technology, and the famous Armour Research Foundation will be open for the inspection of the visitors. Every department has tried to show its place in the world of research and education through its exhibits.

Formed ten years ago by a merger of the Lewis Institute and the Armour Institute of Technology, Illinois Tech has a history of phenomenal growth and expansion. Visitors will have an opportunity to see first hand what has been accomplished in Illinois Tech's program of expansion and slum clearance. New buildings constructed under the supervision of Ludwig Mies Van Der Rohe, head of the architecture department and world-famed architect, include a ten-story apartment building for students and faculty, two new dormitories, a heating plant, and four new classroom and laboratory buildings. These, along with the recently completed Institute of Gas Technology and Association of American Railroads buildings, will be open for inspection.

Among the many interesting and educational exhibits are a noiseless room, kiss-o-meter, liquid-air demonstrations, models of sewage plants, cut-away engine models, radioactivity demonstrations, architectural models, model wind tunnel, finger dexterity and psychological tests, and many others of equal interest.

Included in the student sponsored events are a male baking contest, interfraternity pageant and sing contests, baby contest, square dancing, interclass and student-faculty softball games, an orchestra concert, volleyball and track, barbershop quartet contest, and a student fashion show.

Other events on the agenda are the dedication of Gunsaulus hall, the ten-story apartment building, dedication of the Carillon chimes, alumni class reunions and the annual Alumni Reunion dinner at which Lt. General Leslie R. Groves, Ret., will be the principal speaker, and many other fascinating and exciting events.

This year's JW-OH has been preceded with the usual promotional build-up. Newspapers, magazines, radio and TV stations have been bombarded with press releases and photographs. Chicago daily reporters and cameramen down to the campus for first-hand coverage.

In addition, thousands of circulars, invitations, and stickers have been distributed to herald JW-OH's approach. Many large posters and signs have been erected strategically; arrangements are complete to have "plugs" carried on the enormous "spectacular" which bespeak the merits of Armour and Pabst products to Michigan boulevard traffic nightly.

Stay-at-homes may watch for films of Technology Center's greatest show on television newsreels. But those who attend in person will have first-hand memories of IIT's biggest, most thrilling event of the year.

As a special service to students and guests *Technology News* presents this issue. It is our hope that the program of student events and departmental exhibits along with the commentary on the activities will be helpful to you and heighten your enjoyment of Tech's tenth annual Junior Week-Open House.

Junior Week staff

### IIT departments open doors wide

Exhibits representing every field of industrial and scientific application are open to the layman's and professional practitioner's inspection as the Illinois Institute of Technology presents its tenth annual Open House program under the official title of "Technology Center on Revue."

### Model factory setup

Showmanship is the philosophy of this year's Industrial Engineering exhibit. Visitors approaching 108MC are confronted with a colorful carnival "front," complete with sideshow posters and a silver-tongued barker. Outside the room will also be found a fully automatic continuous-loop power-driven roller conveyor with moving cartons so labeled as to spell out the departmental name.

Penetrating 108's entrance, guests discover a variety of moving, clicking, glowing devices which promise to make the IE display one of the liveliest.

### Beware; lie catcher!

Incorporating many of the experiments gathered by Dr. David Boder over a period of many years, the Psychology department exhibit will feature a great number of interesting phenomena.

Due to lack of space for the extensive exhibition, the demonstration will be in both the basement of the Main building and on the second floor of the MC building. The displays in the MC section will contain those co-sponsored by the

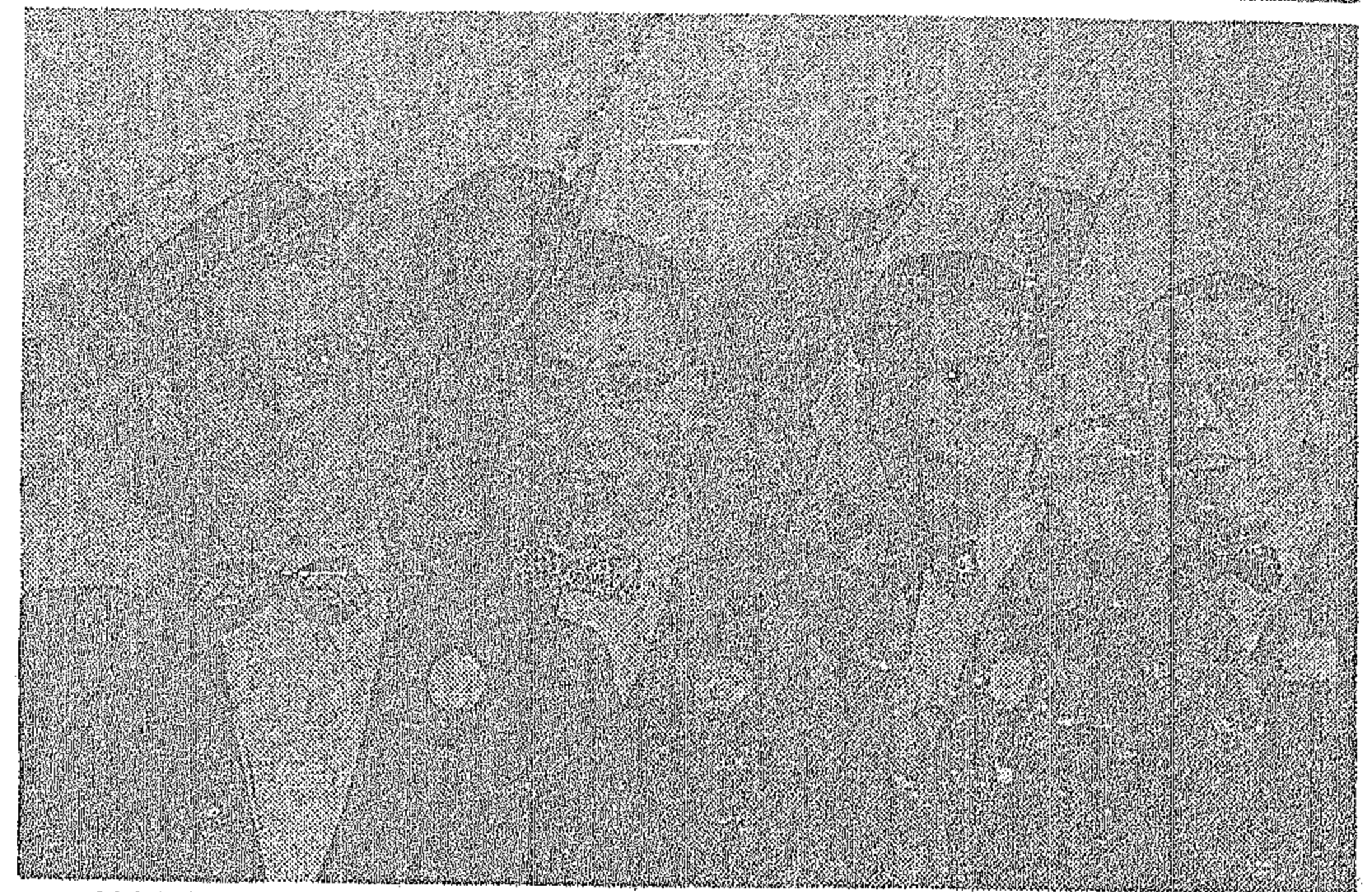
(See EXHIBITS on page JW-2)



LIGHT-FOOTED TECHAWKS gambol on the green in eager anticipation of Wednesday night's frolic.

## Wit of frat life shown in pageant

Are social fraternities snobbish? Are they for the rich? Can an engineering school have a good fraternity system? What do fraternities do? What goes on in their houses? What type of fellows are fraternity men? Does the school give the fraternities a fair chance? These and other questions will be answered at the Interfraternity Pageant Friday, May 6 from 1:30 to 4 p.m. in the NSU auditorium. The theme will be "Fraternity Men on Review" and/or "Technology Men on Review." The fraternities will try to show the public a little bit of fraternity life at IIT, concentrating on the humorous rather than the serious side of the situation.



HARMONY RINGS FORTH from honey-voiced Barbershop quartet.

## Prom winds up gay JWOWH

Another Junior Week-Open House fete fades into memory Saturday evening, with the Junior Week Prom adding just the right romantic and nostalgic ingredients to make it an unforgettable memory. This traditional semi-formal affair has climaxed many a

Junior Week celebration. Saturday night's revelers will probably find that Prom night magic easy to recapture while dancing to Al Freels' music amidst the splendor of the Grand ballroom of the Sheraton hotel.

Over the years the Prom has been looked forward to by students as an opportunity for rehashing Open House exhibits, refighting interfraternity and interclass battles, and exchanging Junior Week tidbits.

Officially, too, the Prom winds up the ceremonies. Presentation of awards to Open House and fraternity winners and enthronement of the Pair of the Year as King and Queen of the dance fill the closing chapters of the 1950 Junior Week story.

## Who is royal pair?

Selected by the popular acclamation of their undergraduate colleagues, the Man and Woman of the Year will be officially crowned at 1 p.m. Thursday in the NU auditorium and will reign supreme over the entire Junior Week program until the closing dance of the

Junior Week Prom on Saturday night. This year's ceremony will be under the direction of Campus Players and promises more than the usual amount of spectacle and exhibition that accompanies such coronations.

### Annual Junior Week World's Championship Turtle Race

2½ centifurlongs claiming race for one-hundred-year-olds and over.

Ogden Upsandowns

Post time: 3 p.m., Thursday

Weather: clear. Track: fluid to viscous.

Entrant	Owner	Comments
Time Study	SAM	If not duck soup, then turtle consomme.
Slipstick	Technology News	At home in the dirt.
Tepple	Tau Epsilon Phi	Been traveling in fast company.
Gus III	Triangle	Going same way as Gus I and II.
Farr Fetched	Farr Hall	So are his chances.
DTD	Delta Tau Delta	Like cousin DDT, he's poison.
Lucky Pierre	Phi Kappa Sigma	Hasn't said a word.



ENGINEERS shunt freight cars at Model Railroad exhibit.

## Junior Week Activities Program

TIME	EVENT	PLACE
<b>Wednesday, May 3</b>		
8:30-12:00	Square Dance	Gym
<b>Thursday, May 4</b>		
10:00-12:00	Interclass Softball—Fr. vs. Jr. So. vs. Sr.	Ogden Field
12:30- 1:00	Orchestra Concert	N.S.U. Aud.
1:00- 1:30	Crowning of Man and Woman of Year	N.S.U. Aud.
1:30- 3:00	Volleyball—Coeds vs. Secretaries Winners vs. Honor I Pledges	Ogden Field (Gym)
1:45- 5:00	Pinochle and Bridge Tournament	N.S.U. Aud.
2:00- 5:00	Chess Exhibition	N.S.U. Exect. Conference Room
3:00- 3:30	Turtle Race	Ogden Field
3:30- 4:30	Campus Players	N.S.U. Aud.
7:00- 8:00	Campus Players	N.S.U. Aud.
8:00- 8:30	Glee Club	N.S.U. Aud.
8:30-11:00	Interfraternity Sing	N.S.U. Aud.
<b>Friday, May 5</b>		
9:30-12:00	Interfraternity Track Meet	Ogden Field
1:00- 2:30	Senior-Faculty Softball Game	Ogden Field
1:30- 4:00	Fraternity Pageants	N.S.U. Aud.
1:30- 2:00	Carillon Dedication Concert from Student Union Tower	
3:00- 5:30	Dedication of Gunsaulus Hall	3140 S. Michigan Ave.
4:00- 5:30	Barber Shop Quartet Concert	N.S.U. Aud.
7:00- 8:00	I.I.T. Band	Chem. Bldg. Steps
7:30- 8:30	Campus Players	N.S.U. Aud.
8:30-10:00	Fashion Show	N.S.U. Aud.
<b>Saturday, May 6</b>		
10:00- 2:00	I.M. Invitational Softball Tournament	Ogden Field
12:30- 2:30	Baby Contest	N.S.U. Aud.
2:30- 3:00	Final Judging of Baking Contest	Cafeteria
9:00- ?	Junior Week Prom	Sheraton Hotel
<b>CONTINUOUS EVENTS</b>		
2:00-10:00	Movies	M.C. Aud.
	Armour Eye Annual Photo Salon	M.C. Lobby
1:00-11:00	Open House Exhibits	Everywhere on Campus
	Fraternity House Decorations	Michigan Avenue

NOTE: Places in ( ) are in case of rain only.

## EXHIBITS

(Continued from page JW-1)

biology, social science and psychology departments.

### Test tube artistry

The chemical engineering department will attempt to provide visitors with an up-to-date understanding of the contributions of chemical engineering to everyday living.

The chemical engineering laboratory will display equipment used for mixing and extraction in the production of penicillin and lubricating oil. Other exhibits will show heat exchangers, lard deodorization, distillation, and the injection moulding of plastics.

### Watch your language

The open house exhibit of the language, literature and philosophy department will feature sundry means of communication. The visitors to the exhibit in 204MC will be able to view many of the published writings of the liberal arts department. The ways by which language and literature are means for dissemination of thought will be explained, and some art work by department members will be shown. Student members of the English department will be on hand to explain the exhibits and to make voice recordings of visitors.

### Gold Rush

"Gold" IIT watch fobs will be distributed free, along with die cast ash trays, to all visitors of the Metallurgical Engineering department. These watch fobs will be made by a metal-mold gravity method, and spectators will be able to see the entire foundry process from the melting of the ingot to the final treatment of the finished casting.

### Deck Shufflers

"Hold Fast" was a common tattoo on the old time sailors' arms, and the NROTC unit at Illinois Tech intends to do just that to past exhibits' performance.

The unit will throw open its doors to visitors interested in the machinations of the powerful Navy arm of our armed services.

### Arch's spark

The department of architecture exhibit will show the work of students from the freshman through the graduate levels and will consist of students' drawings and models that students have made.

### Odiferous meeting

An extensive program of activity is being presented by the American Chemical Society, the high point of which will be a symposium sponsored by the IIT chapter. The symposium will be the site of a presentation of papers by students.

Participation is open to any junior-grade member of the ACS with less than 30 credit hours of graduate work. A prize will be given to the writer of the best paper.

Guided tours will conduct visitors throughout the Chemistry building and the laboratories will be so arranged that the visitors will see not only the normal operation of the Chemistry department, but will also be able to sample several setups.

### Jet engine show

Hightlight of the mechanical engineering department's exhibit will be a full size operating jet engine from a German pursuit plane. This power plant will be part of an exhibit of automotive and diesel engines which are studied by the students.

The machine shop on the second floor of Machinery hall will be set up to represent the production of some complex item as industry would do it. Demonstration of precision measurements and tools will occupy other facilities of the laboratories.

(See EXHIBITS on page JW-3)



"BEAUTIFUL BABY," "Sonny" Mann squeals with glee as "mother" Pat Downing feeds him unblended body-building vitamins to make him all the prettier for baby contest.

## Cute kiddies vie for awards

Proud parents among Tech faculty, students and personnel are entering their offspring in the Baby Contest Saturday afternoon. Age groups have been set as: 6 months to 1½ years, 1½ years to 2½, and 2½ years to 4. Prize trophies in the three age groups

await the future fullbacks and Powers models. Second and third "cutest kiddies" in each age group are to receive ribbon awards.

Entry blanks must be submitted to: Baby Contest, Box 197 in the NU postoffice by 5 P. M., May 3.

## EXHIBITS

(Continued from page JW-2)

### Rate your kiss-ability

Girls will just swoon over the fellows who win the "Hotcha" rating on the EE department's "Kiss-O-Meter." Don't be in doubt; get "scientific proof" of your loving prowess.

Will your voice thrill millions of radio listeners, as does Arthur Godfrey? Radio men of Rho Epsilon will give you the chance to find out, and manipulate electrical controls to make you a deep bass or piping tenor, at your request.

### Bridge builders

An exhibit that promises to be a show stopper will be presented by the civil engineering department. The main exhibits will feature various types of bridges. Outstanding among these attractions will be a demonstration of what happens to a bridge when a railroad train roars over it.

Surveying work will be illustrated by means of a sand table layout of a section of Camp Armour, constructed from maps that students have charted. On clear nights visitors will be able to view Saturn and its rings via a telescope more powerful than the one on Mount Palomar.

### Spring shimmy

"How to get no place in a hurry" is the theme around which the mechanics department has built its exhibit. In scientific terminology the demonstration deals with the study of vibrations, but you'll have a lot more fun if you toss mathematical applications aside and view the exhibit from the layman's point of view.

"Galloping," a term not to be confused with horse operas or Hopalong Cassidy, is shown in a breezy demonstration with three models of the Tacoma Narrows bridge. This passageway which has probably been studied and argued over more than any similar structure, was destroyed by the action of the wind because somebody had holes in their head instead of holes in the bridge.

### Sight foolers

One of the highlights of this year's Technical Drawing department (See EXHIBITS on page JW-4)

## EVENTS

(Continued from page JW-1)

\$10. The pictures are on display in the SU lounge.

### Music to your ears

O. Gordon Erickson will direct the music clubs in their annual Junior Week concerts. The band and orchestra will provide visitors with the pleasant diversion of music.

Preceding the Interfraternity sing, the orchestra will play several selections including "Gold and Silver" waltz, and the music from "Hit the Deck."

### Checkmate!

Visitors to the Open House-Junior Week activities will be able to witness one man playing five games of chess simultaneously, without even seeing the boards! Albert Sandrin, who holds city, state and national championships, will give the exhibition.

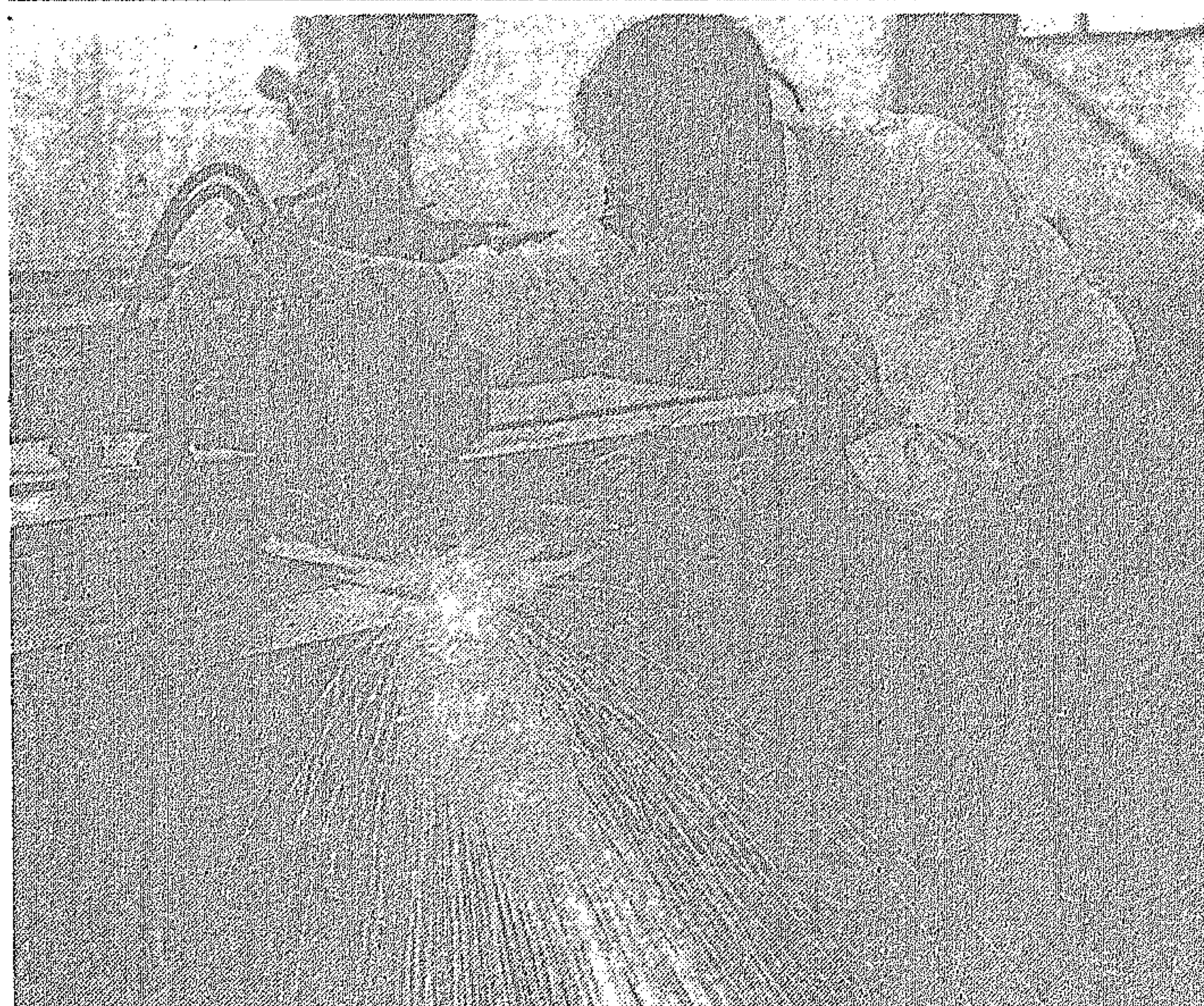
### Dramatic action

Junior Week will have its customary dramatic farce this year in the form of a one act play by Molière, "The Doctor In Spite of Himself."

This delightful 17th - century comedy about an ignorant wood-cutter who is forced into the role of doctor to a lady of nobility because of spite and misinformation will satisfy a universal audience. The play will be performed in the same setting as Molière described it, complete to the many colorful costumes of the period.

Directed by Beatrice Bowman, this is the second in the series of student-directed plays sponsored by Campus Players.

Junior Week audiences will see it at 3:30 and 7:00 p.m., Thursday,



FRED KISSLINGER, IIT PROFESSOR demonstrates metal flame cutting process in Metallurgical Engineering Lab.

## Answer to this 'teaser' at the Math exhibit

The Mathematics Department poses this problem.

Hanging over a pulley there is a rope with a weight at one end; at the other end hangs a monkey of equal weight. The rope weighs 4 oz. per ft. The combined ages of the monkey and its mother are 4 years and the weight of the monkey is as many pounds as its mother is years old. The mother is twice as old as the monkey was when the mother was half as old as the monkey will be when the monkey is 3 times as old as its mother was when she was 3 times as old as the monkey was. The weight of the rope and weight is half as much again as the difference between the weight of the weight and the weight of the monkey. What is the length of the rope?

For the correct answer visit the mathematics exhibit.

and at 7:30 p.m., Friday, in the North Union auditorium.

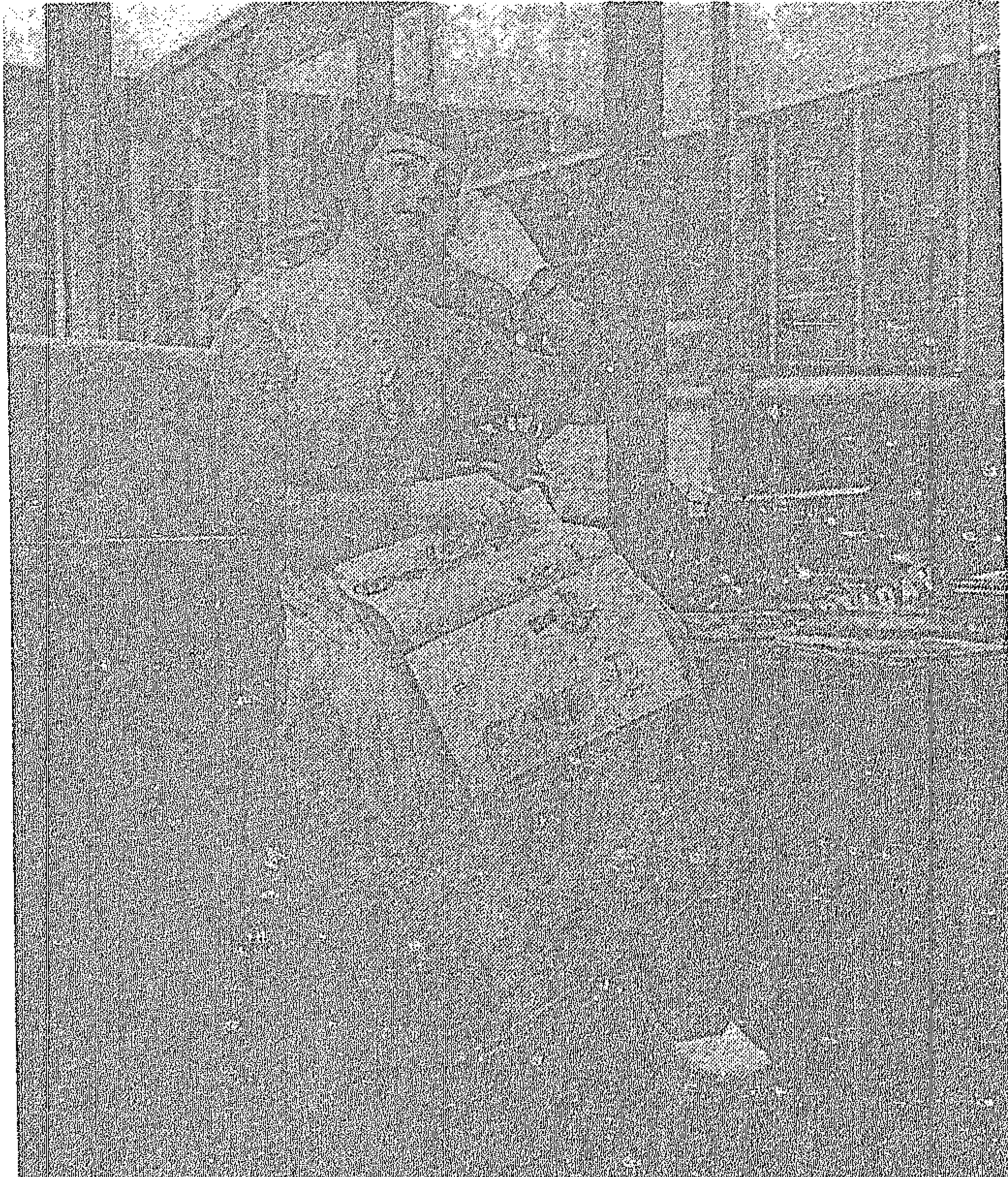
### Greek's chorus

IIT's twelve social fraternities will compete in an Interfraternity sing to be held in the NU auditorium, 8:30 p.m., Thursday. Due to the fact that the fraternities have all been practicing with increased zeal this year, Delta Tau Delta, winner in the last two contests, will find the competition considerably more difficult.

As an added attraction, Delta Zeta and Sigma Kappa sororities will each give a rendition.

### Card Sharks

Habitues of the South Union whose leisurely pursuits have been in less scientific directions than those required of an engineering education will have a chance to display their talents in the first annual Pinochle and Bridge tournament at 1:45 p.m., Thursday, in the SU. Because of space limitations, pairings will be held to 36 partners per tournament. Entrants will find their games enlivened by the fact that a beautiful trophy will (See EVENTS on page JW-4)



JOAN NEHLSSEN strikes a Vogue-like pose in an organdy afternoon dress in practice for the coming fashion show.

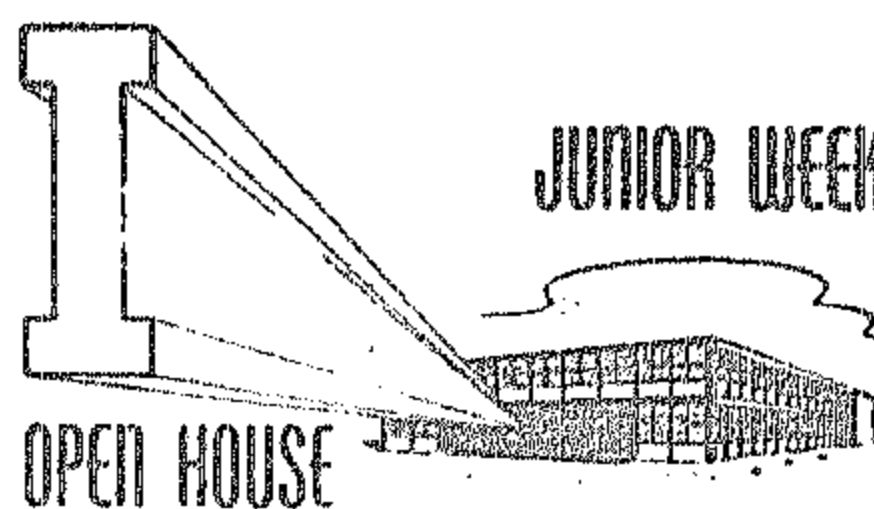
## Coeds model fashions

Sharp enough to model clothes? Coeds of Illinois Tech are, and will demonstrate their attractive fashion creations at the Junior Week Fashion show at 8 p.m., Friday.

Awaiting the comeliest fashions queen is a first prize award of a Patricia Stevens modeling course. Four additional prizes are offered.

Contestants were coached last week in modeling techniques by a Pat Stevens model. Hopeful coeds include Phyllis Thomas, Nan Thomas, Anita Court, Joan Lupton, Betty Moore, Lorrie Johnson, Kara Kern, Helen Syprzak, Norma Laughlin, Doris Picha, Elaine Krause, Harriet Milewski, Monica Stearns, Joan Nehlsen, Mae Chakinnis, Carol Glennie, Delores Dain, Ann Ramm, Nancy Shepul, Pat Stroner, and Hanny Fanzoi.

Judges for the contest will be Mrs. John Ahern, wife of the fire protec prof.; Mrs. Robins of Dubois studio; Mrs. Reddins, of Marshall Field's department store; and Patricia Stevens, of modeling agency fame.



### JWOH guide service furnished by APO

Usher and information services will be the special province of members of Alpha Phi Omega, national service fraternity. Information booth service will be conducted from the lobby of the MC building and from the Police booth on the corner of 33rd and Federal streets.

## Open House Tour List

- (1) Metallurgy and Chemical Engineering Building  
FPE and SE departments—101, 102  
Industrial Engineering—108  
Psychological services—109  
Food Technology—112  
Chemical Engineering—115, 116, 117, 118, 119, 120, 121, 122, 123, 124  
Unit Operations laboratory—North end of MC  
Liberal Studies—202, 203, 204  
Metallurgical Engineering—207, 209, 215, 216, 217, 218, 219, 220, 222
- (2) Alumni Hall  
NROTC—112, 216, 217, Armory, rifle range  
Architecture—116, 117, 118, 203, 205, 212, 218
- (3) Chemistry Building  
Chemistry department—115, 118, lobby  
Chemistry laboratories
- (4) Automotive Laboratory  
ME department—entire lab
- (5) Machinery Hall  
ME department—1st floor, 2nd floor, basement
- (6) Main Building  
Civil Engineering department—Hydraulic laboratory  
Mechanics department—411  
Institute of Design—414  
Technical Drawing department—416, 501, 502, 504, 505, 506, fifth floor corridor
- (7) Physics Building  
Physics department—101, 102, 103, 104, 104B, 313, 310, 311, 312, 308
- (8) Chapin Hall  
Civil Engineering department—102, 105, 108, 111, 120, 202, 205  
Mathematics department—214
- (9) Psychology Building  
Yacht club—room 3  
Civil Engineering department—material testing laboratory  
Technology News and Integral will have displays in South Union.

# Functional goals keynote Design exhibits

## Appeal made to sight and touch

By Henry Holmes

Functionalism isn't just a theme at the Institute of Design; it's an obsession.

For four years functionalism is hammered into students, then they're thoroughly fitted to produce such phenomenally functional items as a piece of wood shaped to please the hand . . . or a chair built of paper.

Making and understanding the problems concerned is a key part of the study process. All the engineering problems of the chair built of paper are conquered, but the fashion problem remains.

It develops that current styles—particularly in women's clothes—will lead to extreme discomfort for persons sitting in these chairs. The Institute is now working on clothes that can be worn while sitting in the paper chair. However, there have been no blatant suggestions that the birthday suit may yet be the most appropriate.

Some people claim that the Institute of Design is up in the air about things. Certainly members of the Institute can't deny that—and it's all because of functionalism. Nothing that can be hung from the ceilings is placed on the floor. The Institute is noted for a conspicuous lack of trash and useless furniture.

Ethereal items strongly reminiscent of tinkers toys, erector sets, torn hair nets, and tooth-picks dangle from the ceiling and massage the students' scalps in classrooms. According to the devious thinking of the inhabitants, these ornaments are not only logical, they're functional.

After four years of intensive study inhabitants emerge with a quality they feel is extremely rare in other men—an appreciation of form.

Their chief target is developing an understanding of all of one's senses, particularly those of touch and sight. Graduates should be capable of pin-pointing an outstanding design at distances which would discourage any normal mortal. Once the form is sighted, the sense of touch plays a key part.

"When this understanding is accomplished," observed one member of the Institute, "it must be linked with the knowledge of the material with which a person is working. This gives him a basis of approach for his designs and he arrives at the form."

In this respect embryo designers are given an opportunity to create from two dimensional line work an object that is not only pleasing to the sight but also to the touch. Beginners usually concern themselves with a small piece of wood and the finished product is so worked and polished that the inherent beauty of the wood is not only brought out but also fits the form for which it was intended. Thus a handle for a drill press would not only be pleasing to the eye but would also fit the palm of the hand.

This same handle also functions under a psychological aspect. If, for instance, it was involved with a dangerous operation on the machine the design would be so as to more-or-less warn the operator of the hazardous features.

This approach is used in the design of operating throttles and levers in aircraft. Thus a lever which lets the landing wheels down would move downward for this operation and would be shaped like a landing wheel.

In their exhibit the Institute demonstrates some very elementary household mechanisms. An eggbeater with a handle shaped to fit the palm of the hand, is actually less tiresome to use than the more standard forms. A screw driver with what resembles a pota-



"—a quality they feel is extremely rare"  
"—accomplished product designers"

"Ethereal items—dangle from the ceiling"  
"—it's all because of functionalism"

"—an appreciation of form"  
"—problems of the chair are conquered"

to masher top operates more easily and with less force than the straight-handled type. This attitude applies to a hacksaw, and, of course, to the paper-pressed chair.

In the problem of design concerning the chair, there are also certain economy features. The chair is cheaper than traditional forms, it is easier to clean because it has no unobtrusive corners, and it can be mass-produced with very few industrial operations.

The more blasé personality views the aims of the Institute with an upraised eyebrow claiming its inhabitants are too arty for the everyday approach to living. Some even go so far as to claim that it was here the polka dot shirt was invented. Nevertheless, the Institute continues to turn out accomplished product designers whose innovations in the field are being more and more widely accepted.

Such prominent architects as Frank Lloyd Wright and Ludwig Mies van der Rohe are not only in accord with the aims of the Institute. For those who are not familiar, Wright may be remembered as the designer of the Imperial Hotel in Tokyo, the only structure that remained intact during a disastrous earthquake in Japan. Mies van der Rohe's architectural genius is readily apparent on the IIT campus.

In keeping with the concepts of Wright and Mies van der Rohe, the Institute flaunts tradition in almost every elementary aspect. In certain cases the approach is paradoxical. Thus, in developing the proverbial mousetrap, the question may be of an historical nature and the designer may find himself asking the reason for killing mice in this manner. Rather than improving there is a complete breaking down and the end result may be a contraption which catches mice by the tail.

Above all the average student at the Institute is in love with his work and undergraduates may be found in the underground laboratories working long into the night.

## EVENTS

(Continued from page JW-3)

be awarded to the winners of each tournament.

### Oh, that icing!

The opportunity which all our culinary minded engineers have eagerly awaited is about to arrive. A new feature of Junior Week this year will be a cake baking contest open to all male students and faculty members.

Those students who do not have adequate facilities of their own will be able to use the Home Economics department's mixing utensils and ovens in the Home Ec kitchens, 18 South Michigan, from 8 until 10 p.m. on Friday. Students will be requested to bring their own ingredients plus a baking tin.

Judging will be held in the NU cafeteria on Saturday, at 2:30 p.m.

### Sailing, sailing

IIT's ocean-going Techawks, more commonly called the Seahawks, will have a fully-rigged sailing dinghy, together with pictures of its members' sailing activities, in the Psychology building.

Charts of the Great Lakes will be posted and information will be available concerning the championship regatta to be held the weekend of Junior Week at the Columbia Yacht club. The other schools participating will be Northwestern, University of Chicago, Notre Dame, Washington, University of Washington and the University of Minnesota.

### Midget choo-choos

Model "Wheels A'Rollin" is the title chosen by the IIT Model Railroaders for the exhibit this year in 600M.

Visitors will see long freight "drags," sleek passenger trains, and stubby switchers shunting in the yards. Those who are electrically inclined will find interest in the method by which signals from towers are automatically reproduced on the mainline cabs.

## EXHIBITS

(Continued from page JW-3)

ment's exhibit will be a brain-teasing peep show that promises to arouse the interest of all. A display of machinery used for drawing and reproduction will enable visitors to see the latest in drafting's mechanization. Drafting machines that will be shown include the "ellipsograph," the "pictograph," a sensational tracing table and a "variagraph" machine that will letter any type style.

### Electron microscope

Ever-popular demonstrations of colorful polarized light compete with high voltage phenomena for the attention of viewers of the physics exhibit. These thrills are followed by chills in the display of low temperature effects induced by liquid air.

A little looks like a lot when viewed through the department's electron microscope, a part of the exhibit for the first time this year.

### Heat gets Beat

The Fire Protection Engineering Department will have as one of its many exhibits a colossal display from the Cardox Company. A small railway car, filled with alcohol will be set afire and towed into a miniature room protected with a low pressure CO<sub>2</sub> system. Heat actuating devices will set off this efficient system and smother the fire. A short demonstration of fire extinguishers includes the use of a self quizzing machine. A third phase of this exhibition will show the use of "wet" water in fire extinguishment.

### Got tax problems?

A swift and breezy course which carries the visitor through the various phases of the business world, and one which is guaranteed to make the exasperating problem of income tax crystal clear will be featured by the business and economics department. In addition, the BE majors have rigged up a brain teasing electrical

apparatus which entertains and educates the casual observer with a series of questions and answers on pertinent economic topics.

### Vote by machine

An actual voting machine is shown to visitors of the Political Science department along with a program illustrating the tactics of persuasion. This program includes a recorded dramatization and analysis of propaganda methods.

### Are you breathing?

A main feature of the Biology department show will be the demonstration of a true-life ant colony showing the worker ants, nurse ants (honest), and all the other varied professions of ants contributing their share to the ant life.

A pneumograph (part of a lie detector) will be on hand to help you find out where your best girl actually was the night she said she was sitting up with a sick aunt.

Also included in the display will be plants flown in from Guatemala to illustrate hormonal activity of plant life; germination of seeds on nutrient agar (??); butyl alcohol fermented from corn, with samples for the strong-stomached Techawk; and the latest competitor of the electric light—luminous bacteria.

### How to set a table

Those of the Open House visitors who are in the "If I knew you were coming I'd have baked a cake" category find this year's Home Economics display an oasis of relief from the mass of technical engineering exhibits seen almost everywhere else on the campus.

One of the main points of interest is the demonstration of accepted table setting techniques. Intended, among other reasons, for those who sometimes have difficulty in remembering whether the salad is placed on the right, left, or dead center. Housewives who consider their families under or over-nourished find comfort in the schedule of well-balanced meals carefully prepared by Tech's increasingly important home economics school.