

## CO-OPS TO SWING IT ON MARCH 28 AT ANNUAL HOP

Come all ye students who are heavily burdened; forget your troubles at the CO-HOP on Friday, March 28. The spacious rooms of the Furniture Club of America will undulate to the versatile music of Carl Schreiber and his orchestra on this eventful evening. The CO-HOP is the annual dance presented by the Illinois Tech Co-operative students.

The Furniture Club of America, 666 Lake Shore drive, offers new attractions to all dance-loving Tech-hawks. Heading the list of its inducements are a beautiful ballroom, a cocktail room, and expansive lounges. Plenty of free parking space also available. Come, forget your troubles at the CO-HOP.

## Col. Draper —

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and up to divisions and even larger units. Colonel Draper warned that it must be remembered the morale of the people is even more important than material re-arming today, in spite of the mechanization of warfare, the morale is six times as important as the weapons themselves. Citing an example, the French and the Italians as contrasted with the English and Greeks, he declared, "National morale, as reflected in the will of our army to win, in the will of the whole people, to endure, spells victory or defeat. It is in that spirit that the college, and the college student, and our whole people must determine their attitude toward national defense if America is to look to the future and not to the past."

Col. Draper further defined the position of college students by commenting on the appeals for the deferment of college students. He asked, "Can college students afford to ask for privileges denied the other young men of this generation? Can they afford to be accused of wanting to serve only when and if it best suits their convenience? Would that attitude on the part of those to whom the nation looks to as its future leaders raise the national morale?" On the contrary, he contended that, "you who are enjoying the opportunities of higher education are and must necessarily be the leaders of your age group. Rather than asking special privileges as college students, you will, I know, assume special responsibilities should the danger that threatens become real." The army is looking for leaders and the colleges will supply them, he further implied.

The proposed training of college students for four months each summer for three successive years would make it impossible to build an army comparable to those fighting machines of Europe, he opined. "Coordination of all arms is the secret of success in modern battle. This is lost if new units must be organized each summer and disbanded each fall."

Colonel Draper concluded, "Today as danger again threatens the Republic, we must each give thought to the background and the meaning of our American nation, to its history and to its future. Each of us, whether college student, business man or mechanic, must consider, quietly and seriously, our own personal obligation to God and country. If we all do that and act accordingly, the future is safe, come what may."

## Miss Haley Delivers Textile Talk At IIT

Miss Alice Haley, of the Celanese Corporation of America, spoke last Friday at Lewis on the background of the man-made fibers and on the specific properties of celanese fabrics.

Because of the war situation man-made fibers will become increasingly popular in this country. The manufacturers have risen to the demand and have produced an infinite variety of fabrics, the quality and texture dependent only on the imagination and ingenuity of the scientist himself.

Samples of yarn and cloth were passed around the group that the students might examine the material. The speaker concluded with a consideration of consumer problems and helpful hints in caring for rayon fabrics and clothes.

## Concert—

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Hrubes has a beautiful French-type trombone tone, and in his encore "Still Be the Night" he displayed great musical taste. He should work more in the legato field than he has because therein lies his greatest talent. Gus Mustakas' violin solo was the high spot of the evening. His tone and technique are on a par close to Elman's. Fast runs, harmonies, double stops, and slow legato are produced by him with effortless beauty. It is too bad that Gus leaves us this year. It would be good to hear him play a concerto (Bruch) for us. May we hear from him again some time in the future.

To Mr. Erickson goes final and greatest credit for what was done. Despite the great handicaps under which he worked, he produced a sublime evening for all. He directed with great mastery, and demonstrated a very high musical sense.

## Research Foundation

With a reverberating crash an entire wall in the main building of the Armour Research Foundation suddenly dropped 6 inches. The research staff paid no attention. Immediately a motor whined, and the wall slowly rose to its original position, only to crash again.

The wall was not a part of the building, but a specially constructed test unit erected in the middle of the laboratory. The Experimental Engineering Division was finding out how much of this sort of thing the wall could take.

### Staff of Specialists

The Experimental Engineering Division, headed by James C. Peebles, is maintained primarily to conduct engineering and testing work incident to the development of many products and devices. Hence its staff includes men whose specialties cover a number of fields. In this division are Dr. Carl G. Anderson, mechanical engineer, Dr. Ernst L. Schwarz, electrical engineer, Norman C. Penfold, automotive engineer, Dr. Max Jakob, renowned heat transfer authority, and research assistants Irwin Fieldhouse, Clark A. Crawford, Vernon Carr, Frank Hurney, Earle Couden, Lester Tripp and Sam Sgarlato.

The principal Experimental Engineering laboratories are in the main Research Foundation building. One is outfitted for the study of thermal insulation of all types, while another is used for many unusual tests on air-conditioning equipment, meters, electrical de-

## CHEMURGY TALKS TO BE GIVEN AT STEVENS HOTEL

Chicago will be host this month to the Seventh Annual Chemurgy Conference of Agriculture, Industry and Science. The Conference, sponsored by the National Farm Chemurgic Council, will be held March 26, 27, and 28, at the Stevens Hotel.

Revolving about the theme "Chemurgy in Defense and Beyond," sessions will be held featuring speakers prominent in related fields. Chemurgy, which is the science of utilization of natural resources, is even in peacetime an important science. In wartime it might well become a decisive factor.

Friday evening, March 28, will be devoted to a Youth Program, the theme of which will be "Opportunities for Tomorrow." Young men of national reputation, who have translated chemurgic ideas into jobs, will discuss employment opportunities for youth in the field. This session will be open to the general public and special invitations are being extended to all students interested in vocational opportunities presented by scientific development.

## Course Changing—

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student or the school. There is also a certain loss to the student in that his education, already highly condensed, would be given him in capsule form.

"Mr. Heald felt that, in a time of national emergency, people make many mistakes when spurred on by patriotism. He said that the shortage of engineers could possibly be solved by engineering defense training courses such as are now being given at Armour. Thus the decision on the entire matter is not certain. It will rest upon foreign conditions, congress, and IIT's own policies.

## "Give Me A Horse" Cries Snoopy, As Navy Gives Him The Works

By Snoopy the Droop

At last the deep, dark secret of the class of '42 has been exposed! That group of so-called students known as juniors have been classed officially as a "bunch of cripples, misfits and blind men." These facts were made known to the general public during the recent physical tests given to applicants for commissions in the Naval Reserve.

Our snooping reporter was rejected because he had:

- Flat feet.
- Absence of cerebral activity.
- Moronic tendencies.
- Need for a haircut.

However, he consented to divulge his personal experiences in the test.

"As I reached the front of the line, everything went black in one eye. Believing that I had been on the wrong end of a fifth columnist's gun, I screamed for help. Suddenly, a long bony hand gripped my arm, and I was told that this was the beginning of the eye test.

"The voice continued, telling me

to read the chart on the wall. 'What wall,' I innocently asked. I finally proceeded to the wall, and having read the letters by the Braille system, I was told to have my teeth examined.

"Nerves on edge, I cautiously moved toward a powerful looking sailor. Anxious to obey orders, I closed my mouth as soon as I was told. (It might have been sooner.) Suddenly the quiet of the room was broken by a loud scream. 'Open your mouth and let me take my hand out', the irate sailor demanded. Complying with his demand, I opened my mouth and moved on to the next man.

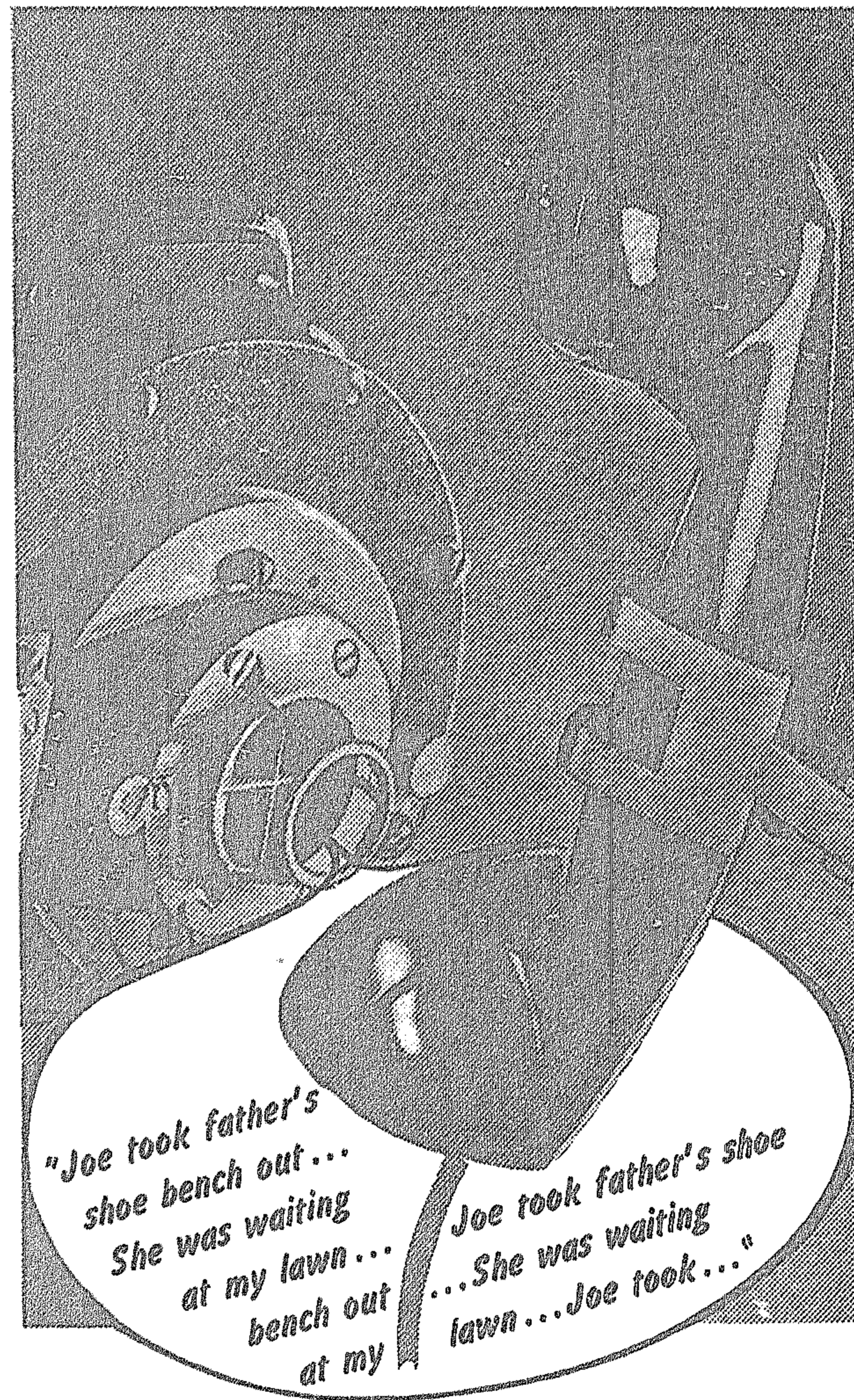
"What is your I.Q. rating?" he asked. Looking up into his baby-blue eyes, I answered, 'Huh?'

"Stop standing there like a moron and tell me your I.Q."

"Starting toward the door, I cried, '5'."

"Why, that's the rating of an idiot", a horrified voice yowled.

"Drawing myself up to 5'5", I turned and proudly answered, 'Then I have a right to be a moron!'



## Final Exam for telephones

THIS electrical mouth at Bell Telephone Laboratories is putting a new telephone to one of its final tests. Over and over, it can repeat these odd sentences without the slightest variation. They contain all the fundamental sounds that contribute to the loudness of sound in our speech. This mouth can also make tests with simple tones of known pitch and intensity.

At the same time other telephones are being steamed, baked, frozen, lifted and dropped into their cradles by tireless machines. All this is part of a carefully planned curriculum that makes every piece of telephone equipment prove it is capable of giving you the best possible service—under any and all conditions.

