

Dr. Komarewsky guest speaker

Doctor Vasili I. Komarewsky, professor of chemistry at IIT, will be the guest speaker at the Ohio section meeting of the American Institute of Chemical Engineers at Ohio State university on January 13. The subject of his address will be the recent developments in the field of synthetic fuels. Included in the speech will be a discussion of the utilization of waste products in the oil and related industries.

Dr. Komarewsky is a well-known authority on new developments in synthetics. Recently he spoke on new substitute rubber at an open meeting of Sigma Xi. He is the holder of 50 patents on his inventions. After graduating from the University of Moscow, the professor held positions at the Kaiser Wilhelm Institute of Berlin and the Universal Oil Products company before coming to IIT.

Unique dance celebrates end of semester

Gas and coffee are rationed, butter is scarce, and tires are priceless. Continuing a pace, IIT, always "fustest with the bestest," now presents the "Ration Ramble." This unique dance, celebrating the end of a gruelling semester, will hold forth at the Grand Ballroom (no less) of the Knickerbocker hotel on Friday, February 5. Lew Diamond and his famed orchestra will be there for your entertainment. Present, also, will be the "Three O' Diamonds," two luscious brunette editions of feminine charm and their male companion. With these incentives, an overflow attendance is expected.

Here are the requirements for admission: 1. The person must live within "C"-card distance from the Knickerbocker hotel; 2. One must bring his own gas, tires, and coffee; 3. A ration book bid must be purchased for the small sum of \$1.10 to cover handling and postage; 4. One must have a date, so pick up your "sugar" and rollickingly roll on to the "Ration Ramble."

Frosh Co-ops decide future class policy

The freshmen September co-ops held a meeting Friday to start plans for the coming semester. They would, under their old plans, work for the next four months. So that they might have at least one year of college credits in order that they might be eligible for a deferment, plans have been made so that they might be able to remain in school next semester.

Three tentative choices have been offered. The first is to remain in school as regular students until the end of next semester. The second choice is to go to school every other day of the week, to work on the days they do not go to school, and to carry a twelve credit hour program. Under this plan, English and economics will be eliminated from the course. The third alternative is to return to work, as they would under the old plan, and take the chance of being drafted before being able to return to school again.

Electrons subject of discussion

Doctor James S. Thompson, professor of physics and chairman of the department, will address a gathering tomorrow January 13, at 8 p.m. in the Student Union. His subject will be "The Electron Microscope." Sigma Xi has extended an invitation to the public to attend this particular meeting. At 9:15 the audience will have an opportunity to look through the instrument.

A type "B" RCA electron microscope, an instrument which is acknowledged the most outstanding single piece of equipment for work in electronics, was recently obtained by Illinois Institute of Technology. It is housed in its own laboratory, which includes a dark room, on the third floor of the Physics building.

Its operation depends on well known principles of electron optics. Shadow images are formed by means of electron beams traveling in high vacuo which strike either a fluorescent screen for visual observation or upon a photographic plate. Magnifications of 50,000 diameters are common as compared to 2000 for light microscopes. Values above 100,000 diameters have been obtained.

Man of the week

It is not very difficult to choose the Man of the Week. There is only one choice. The man—Dick Larson. Dick will be the new editor-in-chief of TECHNOLOGY NEWS.

This job is one of the biggest jobs in the school, requiring every weekend of the editor's time. Throughout the week he must keep tab of all the things that happen around IIT. And the way things have been happening more and more time is required.

Dick Larson is scholastically equipped for the job. An average of 2.81 testifies to this statement. Dick knows the sports side of the school. Captaincy of the tennis team proves this statement. Mr. Larson has taken part in extra-curricular activities. He has been associate sport's editor of the paper, associate sport's editor of the yearbook, and is a member of the Tau Beta Pi and Sphinx honoraries. You may have seen the new editor in the chem stock room working or he may be marking your math paper. Through jobs like these and several scholarships, Dick has practically earned his way through school.

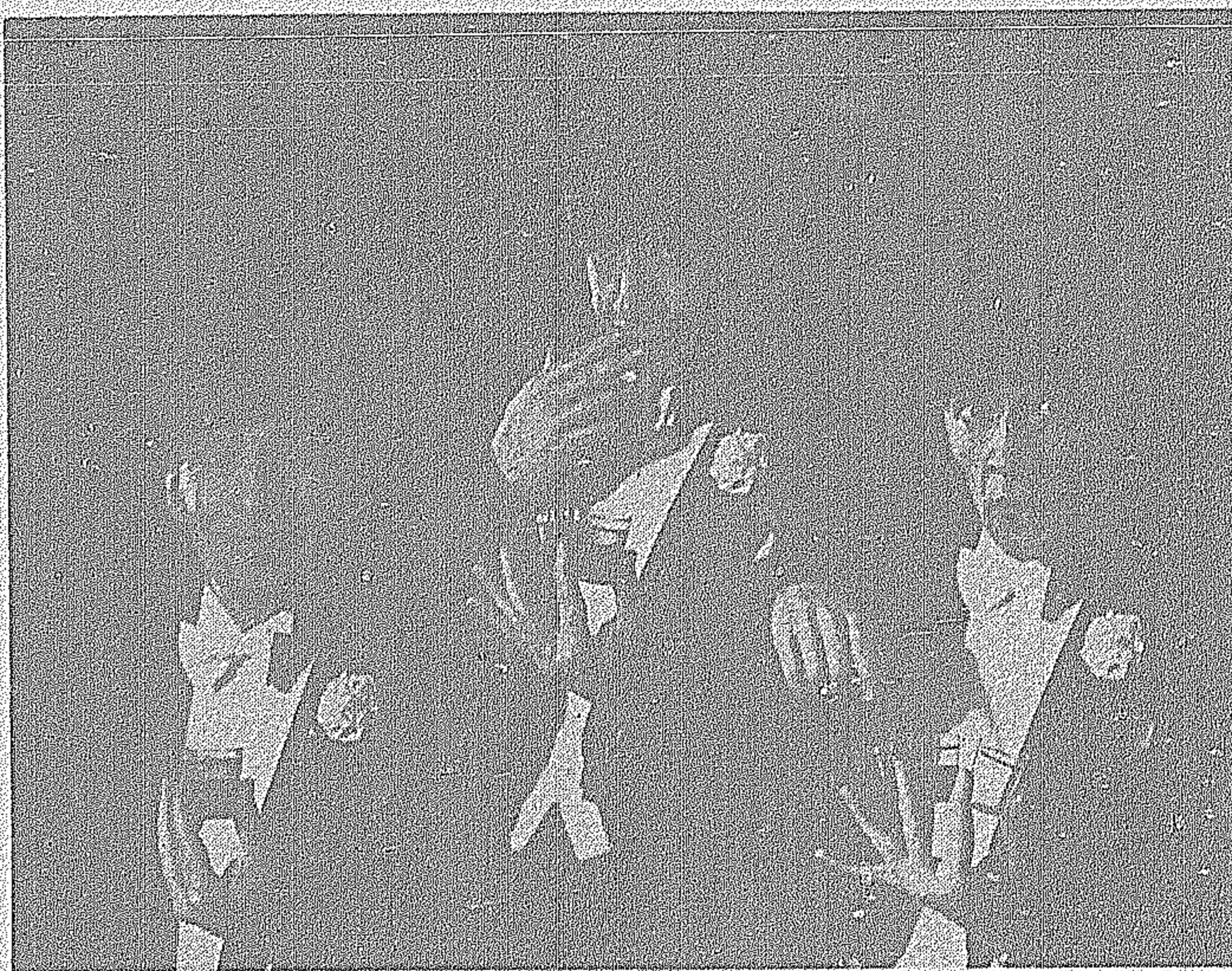
During the summers, Dick Larson worked for Armour Packing company, earning more money to come to school.

Engineers Cooperative wishes to announce the next semi-annual meeting for all the members. Plans have been developed to hold the meeting this Friday at 10:00 a.m. in 305 Main.

The dividend for the last half year will be declared and acted upon by the general membership. There will also be an election of the president of the corporation and four new directors of the board.

Warriors offered jubilant time

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conduct of this festival. It was their decision to contribute the proceeds to the USO.

"Music for your dancing pleasure" will be dispensed by that "up-rising band of today and tomorrow" — Commander Cunningham and the Midshipmen—13 clever instrumentalists versed in tempos from the "Vienna waltzes" to "red-hot jive"!

Never before have such extensive plans been made for the entertainment of Illinois Tech's men and women. The floor show, lasting for at least an hour and a half, includes in its personnel, personages famous, country-wide, in theatrical and night club circles. A brief review of the acts to whet teh readers "sensory appetities" follows:

Joe Wallace, master of ceremonies. Formerly featured at the College Inn of the Sherman hotel, Jefferson hotel in St. Louis, Chez Paree and other "uppity" night spots. He sings, dances, and delivers a smooth line of humorous chatter.

Maurice and Maryea, ballroom dancers 'par excellence'. Now featured in Walnut Room of the Bismarck hotel, they have been engaged for an indefinite period, thus, superseding their record run of nine months at this spot last year.

Slyter, comedy drunk magician. Featured last summer for twelve weeks in the Palmer House Empire room.

Jack Spot, comedy unicyclist, now in the Walnut room of the Bismarck, puts them in the aisles with his clever gyrations.

The Monocled Ambassadors, novelty acrobats, now appearing in the Panther room of the Sherman hotel.

One small item bears mention; the bids, if there are any left, may be had for the meager pittance of \$2.75.

Music clubs annual concert being planned

The musical clubs are making extensive plans for their ninth annual concert at the Goodman theatre on Thursday evening, February 4. Featured, with the selections of the orchestra and glee club, will be the lighting effects depicting the moods of the different numbers.

The clubs are well balanced this season and their combined efforts will be especially interesting in numbers such as the "1812 Overture" by Tchaikowsky, "Polynesian Dance" from the opera "Prince Igor" by Borodin, and "The Voice of Freedom" by Rubenstein. "From the Four Ways We're Coming," the new song introduced at the Christmas concert, will have a special setting. Tickets are now on sale and may be purchased from members of the organization.

The Rotary Club of Chicago has engaged the clubs for a program to be given at the Sherman hotel, Tuesday noon, January 19.

The musical compositions receiving the largest numbers of votes by the student body for the Fred Waring program have been forwarded to Mr. Waring and it is the hope that IIT will be recognized in one of his popular programs.

Professor Schommer describes man power problem to seniors

Professor Schommer "shot the works" to the members of the graduating class last Friday when he spoke on the need of industry for skilled labor.

"You fellows are engineers," he said, "and you can understand figures." From this point on an avalanche of facts and figures were poured out to give full emphasis to the manpower problem facing this country.

During the past year from fifty-five to fifty-seven million persons were employed, and by the end of this year this must be increased to sixty-five million persons. Today, industry is vainly searching for one hundred thousand engineers. Last year thirteen thousand were graduated, and of these fifty-one percent entered the armed forces. In 1943, thirteen thousand five hundred will graduate, and a conservative estimate places sixty percent of these men in the armed services, leaving only fifty-four hundred scientifically trained men. In two years, then, only twelve thousand new engineers have been made available to industry.

Of the fifty-four hundred graduated this year, one airplane company alone has asked for seventeen hundred and eighty of them, and has shown definitely that they need every one of them. To obtain an estimate of what industry's needs were, Professor Schommer sent out 175 letters to various industrial concerns asking them how many engineers they needed. Of the 175, 135 have been answered, and they have shown a need for 1,200 engineers.

The navy has asked for 2,500 engineers to serve as ensigns. The placement office daily receives letters and telephone calls asking for trained men.

Where, asked Professor Schommer, are all these men to come from? He has been working night and day to relieve this shortage in some degree. He has worked at a feverish pace to insure the graduation of juniors and seniors, and has for a long time worked for the deferment of sophomores. He has taken men out of induction centers and put them where they belong—in war plants, the place where their training can be best used by a country at war. Women, he said, are the answer to a large part of our problem, but a great many of them do not wish to work for fear of upsetting their husbands draft status. To answer that, he said, is conscription of women, and this must be done soon if we are to even maintain our present production.

Engineers must be kept out of the services, except where their talents are actually needed. "The army," exclaimed Professor Schommer, "isn't worth a tinker's damn unless it has the material to fight with. It can get the material only if the engineer uses his training to help produce it. You can take an engineer out of his laboratory and have him lead a squad of men and he will probably do a good job of it. You can also take a lawyer, an accountant, or a bookkeeper and let him lead the men, but he can't design a new type of gun."