

## War refugees added to IIT math faculty

During the past ten years a great many mathematicians have migrated from Germany and the occupied territories to the United States. The August-September issue of the American Mathematical Monthly, of which Professor Lester R. Ford of IIT's mathematical department is the editor, has published a complete list of these men and women.

Illinois Tech has laid claim to three of these educators. Hans Reissner, who received degrees from the Universities of Aachen and Berlin and who also taught at Aachen for six years, 1906-1912, and at Berlin for twenty-four years, came to IIT in 1940 to teach aerodynamics. Micheal A. Sadowsky and Herbert Busemann are now members of the mathematics department staff. Assistant professor Sadowsky received his doctorate from the University of Berlin-Charlottenburg in 1927, and taught at this institution for four years. Then the University of Minnesota claimed him for two years. He taught at the Universities of Leningrad and Novocherhassk from 1934-1937, and has taught at Illinois Tech since his arrival.

Professor Busemann received his Ph.D. at the University of Gottingen and spent a number of years teaching there after receiving his degree; he spent the years from 1936-1939 at I.A.S., then he went to Swarthmore college and Johns Hopkins for a year. Since leaving the latter he has been at IIT.

## Safety Engineering course enrolls 850

Industrial accidents claimed more lives in the United States during the first six months of 1942 than the Germans took in three years' bombing of Great Britain—and 850 Chicagoans are learning how to do something about it. They are taking industrial safety engineering at Illinois Institute of Technology. Another 850 will start training on October 19.

More than one thousand persons, including six women, took the industrial safety work at Illinois Tech last year, constituting one-fourth of the national total. This year's classes are expected to total nearly double that number of enrollees when all sections begin work.

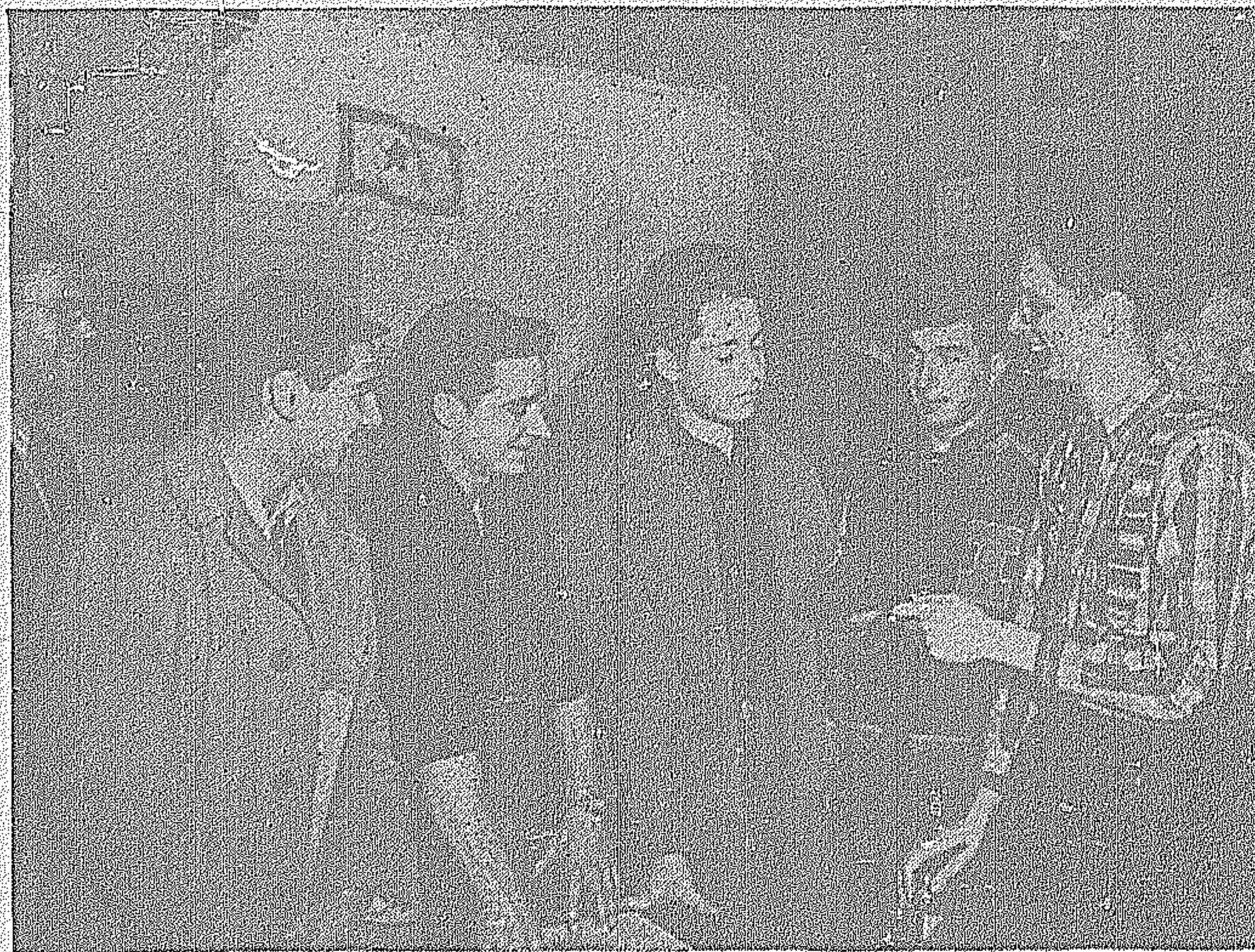
## Anthropologist lectures before IIT's Sigma Xi

Professor Fay-Cooper Cole, famous anthropologist, will give the first lecture of the local chapter of the Society of the Sigma Xi on Wednesday, October 7, in the Student Union Building. This lecture is free and open to everyone. The Society of the Sigma Xi is the largest scientific society in the world. A large attendance is expected at this lecture.

### NOTICE

Material that has been left in the lockers located in the drafting rooms on the 4th floor Physics Building must be identified and claimed before October 16, 1942. After that date this material will be sold.

## Green rushees rush to get greener



Fourth floor corridor of Chapin Hall seems a bit congested as freshmen engineers stampede Co-op bookstore for green caps. Advance sales indicate large turnout for Freshman Welcome dance.

## Like newspaper work? Are you insane? O.K.!

The Lewis staff of TECHNOLOGY NEWS has been severely depleted by the call of the armed services and graduation. As a result there are several editorial positions unfilled in addition to the many reporters we haven't got. Can you write news stories, feature, or sports? No? Well, then you're eligible. Previous journalistic experience is not necessary since you would then have a style inferior to ours. If you were foolish enough to be a newspaperman or newspaperwoman, you are already insane and we won't have to waste time training you.

We also need an assistant circulation manager and an assistant business manager. Both positions require little time yet offer all the rewards given to other positions. Anyone even slightly interested in the intricacies of journalism will find it worth their while to drop in at the publications meeting, 1:30 Wednesday, Room 302.

The liberal arts Integral staff is also urgently in need of reinforcements. This may easily be seen by

# Steam laboratory adds auxiliary equipment

The steam laboratory located in the basement of machinery hall has undergone many changes and improvements since last year. Among the major improvements completed during the year is a central temperature measuring bench which is equipped with two potentiometers and other auxiliary equipment. The instruments are so arranged that temperature measurements may be taken by means of thermocouples at remote points in the laboratory where it would be impossible to use ordinary mercury thermometers. This arrangement has solved the problem of obtaining many precise temperature measurements, and has proved itself to be an extremely efficient method especially for undergraduate courses where speed as well as accuracy are necessary.

In conjunction with this equipment a new apparatus for measuring the heat loss from bare and insulated pipes carrying steam has been completed. This apparatus can also be used for computing the various coefficients of heat transfer involved in such cases. A new heat exchanger apparatus has been constructed in which studies of either counter-flow or parallel-flow may be made. This apparatus is fully equipped with thermocouples enabling the undergraduate to study the effect of conditions of flow upon the film coefficient of heat transfer of liquids, and to express the coefficient in terms of the characteristic dimensionless equations. It also provides an excellent means of illustrating the logarithmic mean temperature relationship obtaining in such heat exchangers.

The steam turbine apparatus has been improved to such an extent that the thermodynamic path of the steam passing through the turbine is known in terms of its pressure and temperature at each important stage. This enables the student to separate the total losses quantitatively into internal losses, combined mechanical, and generator losses.

Professor Yellott has contributed greatly to the laboratory by the addition of two very fine pieces of apparatus which were used originally by him in his important work on steam nozzles and ejectors.

The work in the laboratory has been carried out under the supervision of Dr. R. A. Budenholzer with the able assistance of Messrs. L. V. Cunningham, Stothe P. Kezios, and Philip Rosenberg. A considerable portion of the work has been done by undergraduate students working on special projects.

## Army-Navy Assembly

On Friday, October 9 all IIT students are requested to attend a general assembly in the Student Union from 10:00 to 12:00. At this time Lieutenant Jay Berwanger and other officers of the armed services will explain all the details and opportunities for students in the various reserve programs now open.

## Rules and Regulations for Student Union Building

### I.—Management

1. The management of this building, excepting the dining hall and book store, is in the hands of the student union and the appointed manager. The manager shall be in direct charge. Any controversies arising shall be settled by the board.
2. The management of the dining room and the book store, as well as all financial matters pertaining to the Student Union building, is in the hands of the treasurer of the Institute. The student board and the manager shall assume responsibility for student conduct in the lunchroom and the bookstore.
3. The board shall meet the first and third Wednesday of every month and any other time as may be considered necessary by the chairman of the board. Adjournment over a definite period of time shall be voted upon by the board.
4. Students having complaints or suggestions to the board should file same with the chairman of the board or the manager of the Student Union at least two days before the board meets.
5. Requests for rooms (meeting or dining) or the entire building must be in the hands of the manager at least one week in advance of the day desired. A policy of first come, first served shall apply until circumstances warrant a change.

### II.—Hours

1. The Student Union building will be open for student use on: Weekdays (except Wednesday and Saturday)—8:00 a.m.—10:00 p.m. Wednesday—8:00 a.m.—4:00 p.m. Saturday—8:00 a.m.—12:00 noon.
- These hours do not apply to either the dining hall or the book store, and they are subject to change without notice by either the manager or the board.
2. The Student Union building shall be open for use at any other time as may be deemed necessary by the manager or the board.

### III.—The Dining Hall

1. The dining hall shall be the only room to be used by the students for eating purposes.
2. Card playing, chess, checkers or studying is PROHIBITED at all times.

### IV.—Study Hall and Auditorium

1. Smoking or card playing will not be permitted.
2. The chairs and tables are not to be moved.
3. That a degree of silence conducive to study be maintained.

### V.—Lounge

1. Studying in the lounge will NOT be permitted. Studying here applies to written work. Reading will be allowed.
2. The lamps are not to be moved.
3. The larger chairs should not be moved. Any small chair moved should be returned to its proper place.
4. Card playing should be confined to the tables as provided. Gambling will NOT be tolerated.

### VI.—General

1. In all cases, gentlemanly conduct is expected of all students. Suspension from the use of the facilities of the building for a definite period of time shall serve as the penalty for any infraction of the rules, or the understood rules of good conduct.
2. Any room in the Student Union may be closed at the discretion of the manager or the board.
3. Students found guilty of damaging or destroying property of the Union building will be charged for the necessary repairs.
4. All intramural equipment will be kept in the check room.

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## LOST AT LEWIS

TWO (2)

## COWARDLY FEMININE HOGHIDE HAND COVERS

Probably lost in Lewis Lounge or 7th floor corridor.

Since they were a graduation present, I value them highly and am offering a reward (in United States War Savings stamps, of course).

I would appreciate it if anyone finding my yellow pigskin gloves would return them to the business office.

J. Rix