

## MODERN DEVELOPMENTS IN HEAT TRANSFER

THE University of Minnesota announces a special summer course in Modern Developments in Heat Transfer to be held on the campus of the University of Minnesota, Duluth from Monday, August 14 through Tuesday, August 22. The course has been organized by the Heat Transfer Laboratory in the Mechanical Engineering Department at the University of Minnesota and will be conducted by the Center for Continuation Study of the General Extension Division. Enquiries should be sent to the Center for Continuation Study, University of Minnesota, Minneapolis 14, U.S.A.

*The Course will be Directed by Dr. E. R. G. Eckert, Professor of Mechanical Engineering, Director of the Heat Transfer Laboratory, University of Minnesota.*

### Outline of the Program

The following outline is preliminary but indicates the scope and philosophy of the program. Final details will be announced at a later date.

- (1) General review and exposition of the current status and problems on heat and mass transfer.
- (2) Interrelations between heat, momentum and mass transfer.
- (3) Radiation.
- (4) Plasma physics.
- (5) Heat transfer with phase change (boiling and condensation).
- (6) Mass transfer cooling.
- (7) High-speed heat transfer.
- (8) Properties for heat transfer calculations.
- (9) Numerical methods in heat transfer.

### Lecturers from Abroad Tentatively Include

- Dr. U. Grigull, Lehrstuhl und Institut für Technische Thermodynamik, München, Germany.  
 Dr. O. A. Saunders, Professor and Dean, Imperial College, University of London.  
 Dr. D. B. Spalding, Professor of Heat Transfer, Imperial College, London.

### Eligibility and Fees

It is expected that all registrants will have a Bachelor of Science degree or equivalent. Registrants who may be doubtful of their eligibility may write direct to Dr. E. R. G. Eckert, director of the course.

Since enrollment is restricted, it is suggested that expression of interest or an application for registration be submitted as soon as possible. Registration is personal, non-transferable and must be made for the entire period of the course (alternate or substitute may replace above registrant at any time up to opening day of the course).

Fees for the course are as follows:

Tuition . . . . .	\$200
Room and Meals (does not include meals on Sunday, August 20) . . . . .	\$90
Total . . . . .	\$290

A fee of \$10 should accompany the application form and the balance of \$280 must be paid on or before the course opens.

### Accommodations

The University of Minnesota, Duluth campus is located in the northern part of the city of Duluth. This new complex of buildings is located on a large hill which commands a picturesque and sweeping view of Lake Superior. Registrants will be provided with their own dining room, classroom, and will be housed in a section of the recently built "cottage-type" dormitory. The rooms are twin bedded, tastefully decorated and have easy access to recreational activities. Registrants will share the spacious twin bedded rooms and are expected to live on the campus in the facilities provided. They will find them most convenient as well as reasonable in price.

There are excellent rail, plane, and bus connections to Duluth from the Twin Cities and other points of the midwest. On completion of the course, registrants may want to plan a vacation in Minnesota. The scenic North Shore of Lake Superior and the north central lake region are easily accessible from Duluth.

## SECOND SYMPOSIUM ON THERMOPHYSICAL PROPERTIES

to be held at PRINCETON UNIVERSITY, 24-26 JANUARY 1962

Sponsored by the American Society of Mechanical Engineers, Committee on Thermophysical Properties

THE Heat Transfer Division of the ASME, through the above named committee, is now organizing its Second Symposium on Thermophysical Properties. The

first symposium was held in February 1959 at Purdue University, where forty-two papers were presented; they were published, prior to the meeting, in a separate volume