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The two year Master of Science degree program in Physics at Northeastern University will be expanded next year. A new Graduate Center Building will be available in September, 1959. Principal fields of research are HYDROMAGNETICS and NUCLEAR PHYSICS. Graduate Fellows receive tuition and \$1800 for service from September to June.

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## Semiconductors

PROPERTIES of elemental and compound semiconductors will be the topic under discussion at a conference to be held August 31 to September 2 at the Statler Hotel in Boston under the sponsorship of the Semiconductors Committee of the Metallurgical Society of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Sessions will be divided between invited and contributed papers.

An invited session on elemental semiconductors will include a panel discussion of the "Role of Dislocations in Device Properties" and papers on "Dislocations in Semiconductors" by W. C. Dash (General Electric Company), "Semiconductor Surfaces and Films" by M. M. Attala, and "Defect Interactions in Semiconductors" by Howard Reiss (Bell Telephone Laboratories).

A second invited session, devoted to properties of compound semiconductors, will consist of the following papers: "Stoichiometry in Compound Semiconductors" by W. W. Scanlon (Naval Ordnance Laboratories), "Properties of Silicon Carbide and Gallium Phosphide for Power Rectifiers" by Robert Davis (Westinghouse Electric Corp.), "Compound Semiconductors for Transistors or Transistor-like Devices" by L. Weisberg (RCA), and "New Compound Semiconductors" by Jack Wernick (Bell Telephone Laboratories).

Further information is available from the Metallurgical Society of AIME, 29 West 39th Street, New York 18, N. Y.

## Fluid and Solid Mechanics

THE Midwestern Conference on Fluid and Solid Mechanics will be held September 9-11 at the University of Texas in Austin. This year's meeting will be the sixth conference on fluid mechanics and the fourth to deal with solid mechanics. Previous conferences, at approximately two-year intervals, have been held at Illinois, Minnesota, Michigan, Ohio State, and Purdue Universities. More than a dozen technical societies and research organizations (including the American Institute of Physics and the American Physical Society) have joined with the University of Texas in the sponsorship of this year's conference.

In connection with the meeting, the University of Texas has arranged for a series of invited lectures on various aspects of mechanics. These include "Recent Progress in Rarefied Gas Dynamics Research" by Samuel A. Schaaf of the University of California, "New Developments in Shell Theory" by Lloyd H. Donnell of the Illinois Institute of Technology, and an after-dinner speech on "Recent Progress in Applied Mechanics", which will be given by Sydney Goldstein of Harvard University. Tours of nearby university laboratories and a visit to the Southwest Research Institute in San Antonio are also being planned.

To make possible the distribution of the proceedings at the opening of the conference, an April 1 deadline for submission of abstracts and titles of proposed