

THE MATERIALS RESEARCH SOCIETY



Promoting the
Interdisciplinary
Approach to the
Science and Technology of
Tomorrow's Materials

SOCIETY OBJECTIVES

The objective of the **Materials Research Society**, a nonprofit scientific association founded in 1973, has been to promote interdisciplinary goal-oriented, **basic research on materials** of technological relevance. Problems addressed by materials researchers are of ever-expanding complexity. These are often the focus of **multidisciplinary** efforts in industrial laboratories. The Society provides a forum for the exchange of technical information **qualitatively different** from that provided by the single-discipline professional societies.

CORPORATE ASSOCIATES

Corporate sponsorship is a vehicle for broadening the financial base of the Society. This funding ensures that Society programs are responsive to the interests of the corporate associates. We invite you to attend one of our meetings and experience the **unique quality of scientific intercourse** among industrial, university and government researchers.

INDUSTRY — UNIVERSITY INTERFACE

Industrial scientists and engineers have traditionally played an important role in the Society, because **applied sciences are afforded greater attention** than is typical of many disciplinary societies. By bringing together investigators from many disciplines, the Materials Research Society also provides a convenient working **interface between industries and universities** — an interaction widely considered to have promise for expanded industrial innovation and consequent growth.

“The meeting was one of the most enjoyable I have experienced in quite some years. It attracted the right group of people who talked about the right set of topics. It was very stimulating and a great deal of information was exchanged.”—H. E. Schone, Chairman of the Physics Dept., College of William and Mary.

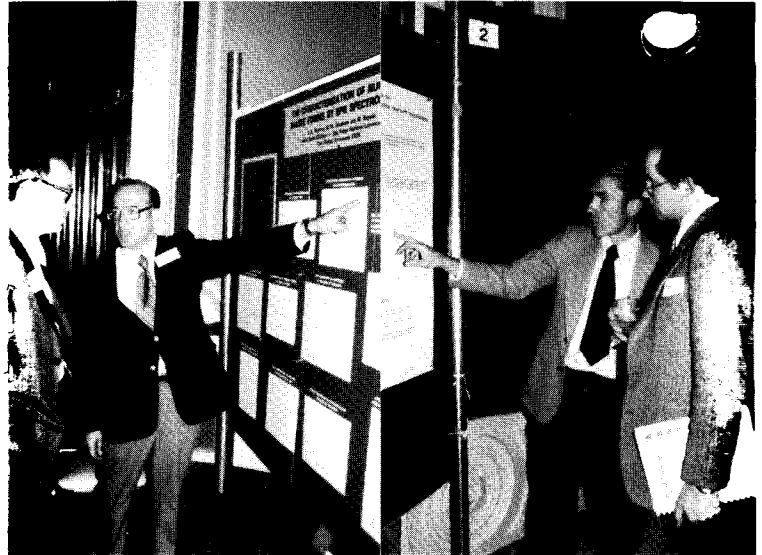
TECHNICAL SYMPOSIA

At the annual meeting of the Society, concurrent **topical symposia** provide a forum for communication of the most recent research results. W. O. Baker, past president and chairman of the board of Bell Laboratories and recipient of the Society's 1978 Von Hippel Award, said:

“The MRS has initiated and carries on several symposia that have become the leading forums in their respective fields.”

Interests of Society members and of the major research laboratories are reflected in the wide range of topics covered by the symposia. As **new areas of interest arise**, the Society is able to respond quickly with appropriate topical emphasis. Among topics covered:

- Laser and Electron Beam Processing
- Defects in Semiconductors
- Thin Films and Interfaces
- Ion Implantation
- Rapid Solidification
- Nuclear Waste Management
- Cement Matrix Composites
- Catalysts and Catalyst Supports
- Information Storage
- Solid Electrolytes
- Materials Characterization Methods



Poster sessions at the MRS annual meeting.

PUBLICATIONS

Volumes published as **proceedings** of MRS topical symposia include:

- Laser and Electron Beam Processing of Materials
- Scientific Basis of Nuclear Waste Management
- Defects in Semiconductors
- Ion Implantation Metallurgy
- and many other topics

The Society also publishes a regular **newsletter** which informs members and corporate affiliates of MRS activities.



K. A. Jackson (right) of Bell Laboratories, past president of the Society, introducing Von Hippel Award recipient, W. Conyers Herring of Stanford University.

AWARDS

The Society sponsors the annual **Von Hippel Award**, in honor of its first recipient, Professor emeritus Arthur Von Hippel of the Massachusetts Institute of Technology. The award recognizes outstanding contributions to interdisciplinary research on materials and consists of a cash prize and commemorative plaque. The Von Hippel lecture delivered by each recipient is the centerpiece of the annual meeting.

The Society also sponsors several **Graduate Student Awards** consisting of a cash prize, travel support, and an award certificate. These are presented to students whose work is judged exceptional in the topical area of a current symposium.



K. C. Taylor of General Motors, MRS Treasurer, presenting a Graduate Student Award to John G. Pepin from The Pennsylvania State University.

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EXECUTIVE OFFICES

MATERIALS RESEARCH SOCIETY
102C Materials Research Laboratory
University Park, PA 16802