Technology International, Inc. P. O. Box 1018 *LaPlace, LA 70068*	A Compact Electrodialysis-Freezing Low-Level Radioactive Waste Volume Reduction System for Nuclear Power Plants
TECHRAD Inc. 4619 N. Santa Fe Oklahoma City, OK 73118	Investigation of Coal-Wood-Limestone Pellets as an Industrial Fuel Source
Terra Tek, Inc. 400 Wakara Way Salt Lake City, UT 84108	Rock Penetration Models of Rocks from Geothermal Areas
Universal Energy Systems, Inc. 4401 Dayton-Xenia Road Dayton, OH 45432	Anti-Reflective Single Layer Films with Broad Band Capability
Waste Energy Technology Corporation One DeAngelo Drive Bedford, MA 91730	Wear Resistant Ferrous Metal Matrix Composites for MSW Processors

Mildred Dresselhaus Elected AAAS Director

Mildred Dresselhaus

Mildred S. Dresselhaus, Abby Rockefeller Mauz professor of electrical engineering and physics at MIT, has been elected to the Board of Directors of the American Association for the Advancement of Science. Her four-year term will begin June 1, 1985. Dresselhaus is a Councillor of MRS and serves on the Society's Long-Range Planning Committee. She is also the immediate past president of the American Physical Society, council member of the National Academy of Engineering, and serves on the long-range planning committee of IEEE.

The BULLETIN welcomes news about research activities and announcements of promotions, awards and honors for publication in this section.

Candidates Sought for MRS Student Awards

15 Awards to be Given in Conjunction with the 1985 Fall Meeting

Students conducting research in materials-related fields are currently being sought as candidates for MRS Student Awards to be presented at the MRS Fall Meeting. Woody White, Chairman of the Awards Committee, indicates that up to 15 awards will be presented at the Meeting. The award consists of a cash grant of $250.00, a commemorative plaque, and waived registration fee for the Meeting, being held December 1-6, 1985 in Boston, MA. Awards will be granted for outstanding research by a student in a topic to be addressed by one of the symposia in the Meeting. Symposia topics include:

- fundamentals of solid-beam interactions
- rapid thermal processing (materials and devices)
- SOI/TFT technology
- beam-induced chemical processes
- interface phenomena and thin film interactions
- transport and excitation in polymers
- bio-compatible materials
- epitaxy and layered structures
- phase transitions in condensed systems
- rapidly solidified metastable materials
- hydrogen, oxygen, carbon, nitrogen in silicon
- defect properties and processing in high-technology nonmetallic materials
- oxides, zeolites, and clays in catalysis
- fractal aspect of materials
- non-linear optical materials
- defects in glasses
- electron microscopy in materials
- computer-based microscopic description of the structure and properties of materials
- cement-based composites: strain-rate effects on fracture
- fly ash and coal conversion by-products
- carbon-carbon composites

These awards are given in recognition of the student's contribution to outstanding research in an area of interest to one or more of the topical symposia included in the Fall Meeting. Individuals of any nationality are eligible for these awards. The dominant criteria used in the selection process are scientific excellence and the demonstated evidence of the student's contribution to the work. It is not a requirement that the student present a paper at the Meeting, but this will be considered in the selection process since one of the primary goals of the Awards Program is to encourage students to participate in the Meeting and to present their research accomplishments to the scientific community.

To qualify for consideration, students must submit an application by **September 1, 1985.** No student will be considered for an award unless an application is submitted to MRS by this date.

The MRS has a clear commitment to actively involve students in the Society, according to White. One part of this commitment is a strong and growing Student Award Program.

"The Student Award Program," White stated, "has more than doubled in size during the past year, as the Society works to further foster its strong commitment to supporting multi-disciplinary materials research. During the last year, students have been granted awards by MRS for their work in the fields of electrical engineering, spectrochemistry, physics, applied physics, metallurgy, materials engineering, nuclear engineering, and others. We hope that this broad spectrum of scientific interest will continue to be represented by the young scientists participating in this year's Student Awards Program.

"The Program is a great opportunity for students to gain recognition from the materials research community, to actively participate in the meeting, and to meet many MRS members in person at the Meeting." White emphasized. "The Awards Committee strongly urges students to submit applications for this honor."

MRS members will soon be receiving in the mail a Call for Papers for the Fall Meeting, detailing the scope covered in the topics listed above. Further information and application forms for the Student Awards Program can be obtained by contacting John B. Ballance, Executive Director, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; telephone (412) 367-3003.

Several student awards will also be given in conjunction with the 1985 Spring Meeting in San Francisco, April 15-18. See the next issue of the BULLETIN for a list of these award winners.