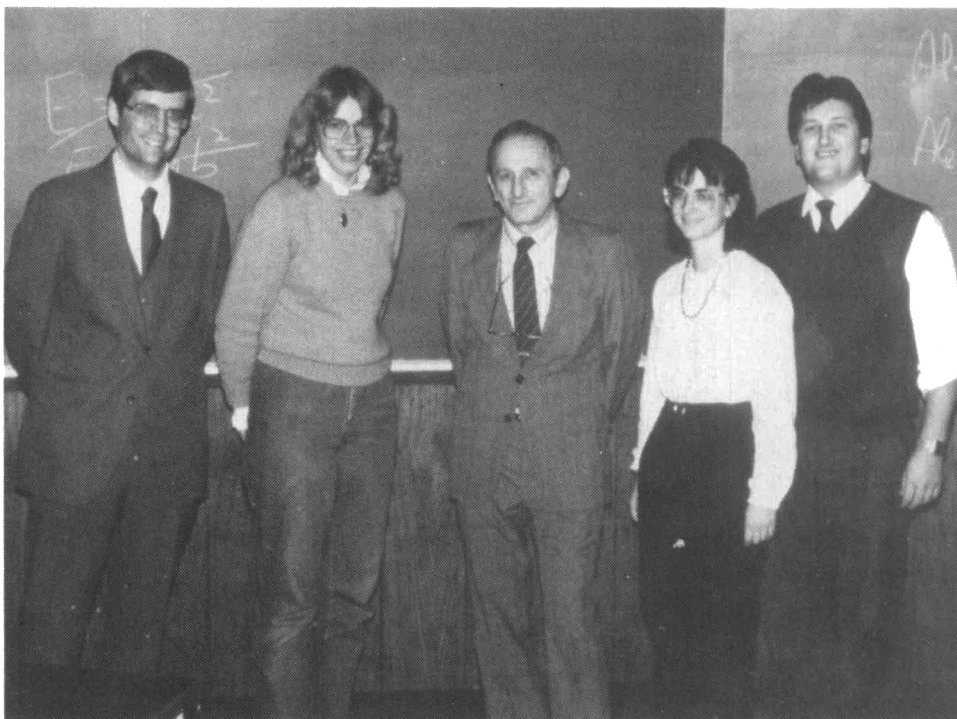


Penn State Student Chapter Sponsors Gem Lecture

In October 1986 the Penn State Student Chapter sponsored a university-wide lecture on the growth of crystals and gems. The speaker was Dr. Kurt Nassau, a research scientist from AT&T Bell Laboratories. One of the foremost authorities on the synthesis and identification of gemstones, Nassau has published over 80 popular and technical articles in this field as well as two books on gems and a third on the physics and chemistry of color. The lecture described the synthesis of ruby, emerald, diamond, and opal, as well as modern imitation gemstones such as cubic zirconia.

Nassau's lecture was just one of the many programs sponsored by the Penn State Student Chapter in 1986. In July, the Chapter sponsored a trip to the Corning Glass Works in Corning, New York. Members toured the Sullivan Park Research Center, Erwin Ceramics, and the Corning Glass Museum. At the September meeting, members heard Dr. Frederick Matson, professor emeritus of the Penn State Archeology Department, speak on technical studies of ancient Near-Eastern ceramics. A tour of the Penn State single-crystal x-ray diffraction laboratory was held in November, followed by a tour of the University's Industrial Engineering Department Robotics Laboratory in December.

Future programs of the Penn State Student Chapter include a lecture by Mr. Rob Fisher, adjunct research fellow in Art and Technology at the Penn State Materials Research Laboratory and president of Design



Dr. K. Nassau (center) of AT&T Bell Laboratories lectures on the growth of crystals and gems at the October meeting of the Penn State Student Chapter. Also shown are Student Chapter members (left to right): Eric Plesko, Susan Hoyle, Mary Bliss, and Paul Sliva.

Mirage, Inc. Scheduled for February, Fisher's talk is titled "Technology as a Medium for Art: Research into Applications of Computer Graphics." The March meeting will feature Dr. Michael Quick and Dr. Kenneth Voss of Engelhard Corporation speaking on the state of the materials industry and working in the materials in-

dustry today. A tour of Hammermill Paper of Lock Haven, PA is planned for April. The Chapter will also be sponsoring a workshop on proposal writing this summer.

*Eric Plesko
Student Chapter Program Committee*

Advancing Materials Research

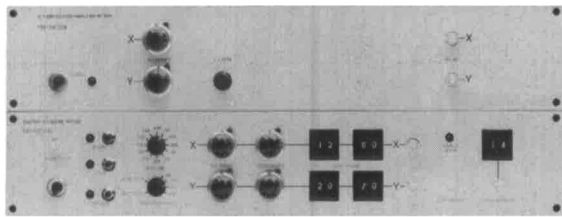
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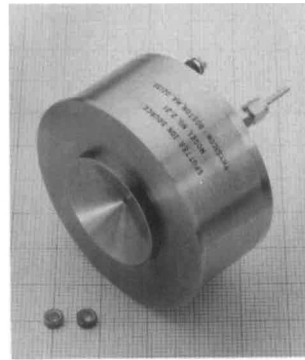
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Doubletree Hotel — Santa Clara, California

June 23-25, 1987

Society for the Advancement of Material and Process Engineering (SAMPE) announced that Victor L. Peterson, Director of Aerophysics, NASA Ames Research Center will be the Keynote Speaker Tuesday morning, June 23, 1987. He will address "The Supercomputer".

Approximately 110 papers will be presented in the following sessions during this 3-day conference: HIGH VOLTAGE MATERIALS • MATERIALS FOR MOUNT TECHNOLOGY • MICROELECTRONIC MATERIALS • NEW HERMETIC PROTECTION FOR ELECTRONIC CIRCUITS AND DEVICES • PACKAGING • NOVEL ELECTRONIC MATERIALS • ELECTROACTIVE MATERIALS • LAMINATED MATERIALS • CHEMICAL SENSORS • ADHESIVES FOR ELECTRONICS • PLASTICS AND POLYMERS • ADVANCED ELECTRONIC MATERIALS • ELECTRONIC CERAMICS • CERAMIC TECHNOLOGY • ADVANCED SEMICONDUCTOR MATERIALS • LOW STRESS ELECTRONIC ADHESIVES AND ENCAPSULANTS • COATINGS AND ENCAPSULANTS.

Featured Luncheon Speakers are: Eugene S. Meieran, Intel Fellow, Intel Corporation - Tuesday, June 23; Dean O. Morton, Exec. V.P. & Chief Operating Officer, Hewlett-Packard Company - Wednesday, June 24; and Charles A. Harper, President, Technology Seminars, Inc. - Thursday, June 25.

To obtain registration information and a copy of the program, contact SAMPE; P.O. Box 2459, Covina, California 91722 - Phone (818) 331-0616.

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MRS holds two major international meetings each year (on the East Coast of the United States in the Fall and on the West Coast in the Spring) during which topical symposia address the latest advances in key materials areas from a multidisciplinary perspective. The Society also sponsors or cosponsors other topical symposia/meetings and offers short courses throughout the year. The Society's publications include *Journal of Materials Research*, MRS BULLETIN, MRS Symposia Proceedings and Conference Proceedings book series, which are enduring records of scientific advances and the trends that affect the profession.

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The membership fee for 1987 is \$45 for the calendar year.

Student membership is \$15 per year, but does not include a subscription to *Journal of Materials Research*. Student members of MRS may subscribe to *JMR* for \$15 in addition to their \$15 dues.

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