

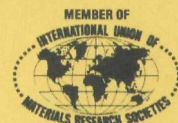
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A Publication of the Materials Research Society

January 1992, Volume XVII, No. 1



Art and Technology



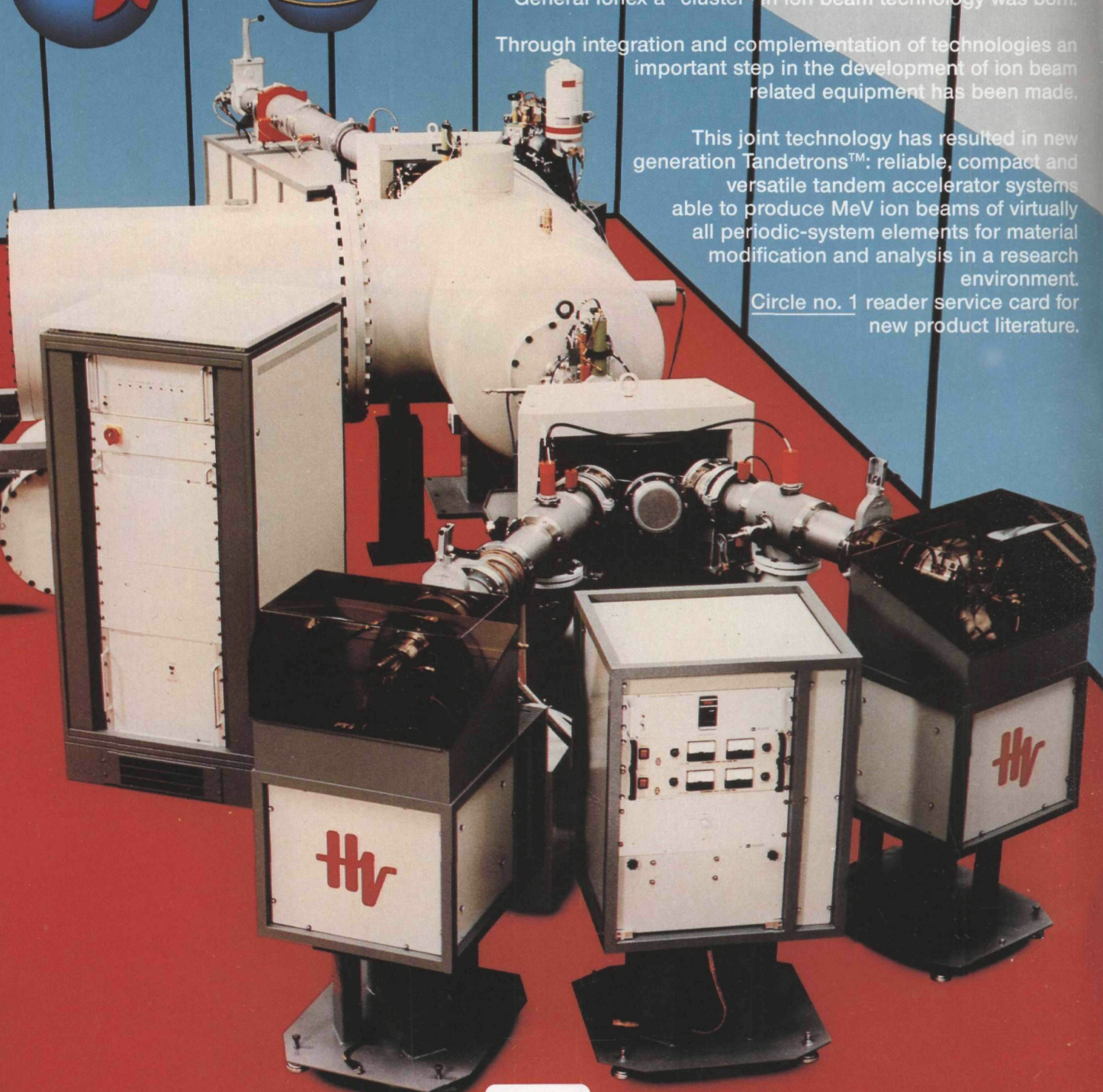
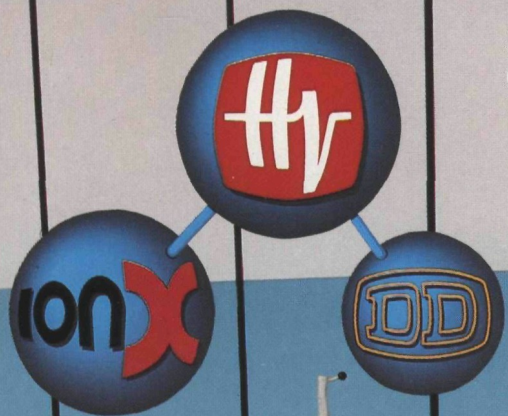
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MRS BULLETIN

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Volume XVII, Number 1 ISSN: 0883-7694 CODEN: MRSBEA

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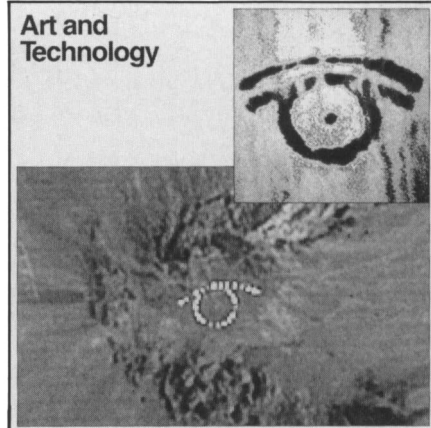
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ON THE COVER: Contrasting very small (250 nm) and very large (2.5 km) drawings of a human eye. The upper image, a collaboration between artist Tom Van Sant and M.S. Isaacson, M. Muray, and E.J. Kirkland called "Ryan's Eye," is an electron micrograph of an eye etched into the surface of a salt crystal with an electron beam. The etching was done in 1982 at Cornell University's National Research and Resource Facility for Submicron Structures (now the National Nanofabrication Facility). The lower image, a collaboration between Van Sant and many scientists and engineers in the Landsat program, is called "Reflections from Earth." The satellite-imaged solar reflections of mirrors form the composite shape of an eye in the Mojave Desert. This image is 10 billion times the size of the etched eye, with the size of the human eye (2.5 cm) in the center of the scale. The measurements and calculations were certified by R.P. Feynman of Caltech. For more information, see "Art-and-Technology: Recent Efforts in Materials and Media" by O. Piene on p. 18.

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About the Materials Research Society

The Materials Research Society (MRS), a nonprofit scientific association founded in 1973, promotes interdisciplinary goal-oriented basic research on materials of technological importance. Membership in the Society includes more than 10,000 scientists, engineers, and research managers from industrial, government, and university research laboratories in the United States and more than 40 countries.

The Society's interdisciplinary approach differs from that of single-discipline professional societies because it promotes information exchange across the many technical fields touching materials development. MRS sponsors two major international annual meetings encompassing approximately 50 topical symposia, and also sponsors numerous single-topic scientific meetings. The Society recognizes professional and technical excellence, conducts short courses, and fosters technical interaction in local geographic regions through Sections and University Chapters.

MRS participates in the international arena of materials research through the International Union of Materials Research Societies (IUMRS). MRS is an affiliate of the American Institute of Physics.

MRS publishes symposium proceedings, *MRS Bulletin*, *Journal of Materials Research*, and other publications related to current research activities.

MRS Bulletin (ISSN: 0883-7694) is published 12 times a year by the Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237. Application to mail at second class rates has been approved at Pittsburgh, PA and at additional mailing offices. POSTMASTER: Send address changes to *MRS Bulletin* in care of the Materials Research Society, at the address listed; phone (412) 367-3003; Fax (412) 367-4373

Membership in MRS is \$70 annually for regular members, \$25 for students and retired members. Dues include an allocation of \$25 (\$15 for students and retirees) to a subscription to *MRS Bulletin*. Individual member subscriptions are for personal use only. Non-member subscription rates are \$95 for one calendar year (12 issues) within the U.S.A. and \$140 elsewhere. Single copies may be purchased for \$15 each. Send subscription orders to Subscription Department, Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237.

MRS Bulletin is included in Current Contents/Physical, Chemical & Earth Sciences™ and *Research Alert*. Back volumes of *MRS Bulletin* are available in 16mm microfilm, 35mm microfilm, or 105mm microfiche through University Microfilms Inc., 300 North Zeeb Road, Ann Arbor, Michigan 48106.

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