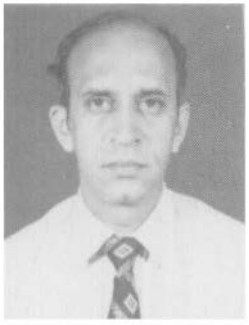
R. Krishnan Joins Editorial Board of MRS BULLETIN



Dr. Rangachari Krishnan, director of the Naval Chemical and Metallurgical Laboratory, Naval Dockyard, Bombay, India, has joined the Editorial Board of the MRS BULLETIN. Krishnan will bring expanded international expertise to the position.

Krishnan received his MA and MSc from Madras University, and his PhD from Bombay University. He is a member of the Indian Institute of Metals, the Indian Physics Association, and the Indian Vacuum Society. A recipient of the National Metallurgists Day Award of the Ministry of Steel and Mines, he was also elected a Fellow of both the Indian Academy of Sciences and the Indian National Science Academy.

Krishnan is editor of *Transactions of the Indian Institute of Metals* and a member of the Editorial Board of *Materials Science Forum*. His publications include over 100 papers in international and Indian journals in the areas of physical metallurgy and materials science, with special emphasis on phase transformations and structure-property correlations. His current research interests are the structure-property correlations in steels, titanium alloys, corrosion of marine engineering materials, and engineering and piezoelectric ceramics.

Third Issue of 1987 Journal of Materials Research in Production

The May/June 1987 issue (Vol. 2, No. 3) of *Journal of Materials Research*, expected to be published within six weeks, will include a lengthy review entitled "Crystal Chemical Incorporation of High Level Waste Species in Aluminotitanate Based Ceramics: Valence, Location, Radiation Damage and Hydrothermal Durability" by P.E. Fielding and T.J. White. This 32-page article is the very first comprehensive and expert review on the crystal chemistry of this specific area of nuclear waste management.

The following is a partial list of papers expected to appear in this issue:

- Crack Resistance by Interfacial Bridging: Its Role in Determining Strength Characteristics, by Robert F. Cook, Carolyn J. Fairbanks, Brian R. Lawn, and Yiu-Wing Mai
- Estimation of the IR Absorption of $ZnCl_2$-KBr Glass by Molecular Dynamics, by Satoru Inoue, Mitsuru Tamaki, Hiroshi Kawazoe, and Masayuki Yamane
- Four-Mode Behavior in $In_{1-x}Ga_xAs_yP_{1-y}$ Quaternary Alloy, by H.C. Gupta, Geeta Sood, Jaishree Malhotra, Vijay Baboo Gupta, and B.B. Tripathi
- Hydrogen Concentration Gradients in Cathodically Charged Austenitic Stainless Steel, by D.G. Ulmer and C.J. Altstetter
- Intercalation of MF_6^- Ions (M = Nb, Ta, As and Sb) into HOPG using Hg^{2+} and Hg_2^{2+} Salts, by P.K. Ummat, H. Zaleski, and W.R. Datars
- Ion-Beam Induced Formation of a Stable Phase at the Expense of an Otherwise Dominant Metastable Phase, by E.H. Lee and L.K. Mansur
- Kinetic Decomposition of Ni_2SiO_4 in Oxygen Potential Gradients, by K.T. Jacob and A.K. Shukla
- Single Crystal X-Ray Diffraction from an Icosahedral Quasi-Crystal, by A.R. Kortan, H.S. Chen, and J.V. Waszczak
- Thin Film Alloys of $Bi_{1-x}Sb_x$ Produced by Ion Beam Mixing and Their Thermoelectric Properties, by A.M. Ibrahim, D.A. Thompson and J.A. Davies

For information on article submission for *Journal of Materials Research*, contact Linda Krysinski, Editorial Office Supervisor, Journal of Materials Research, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; telephone (412) 367-9111.

To subscribe to *Journal of Materials Research*, contact Marketing Services, American Institute of Physics, 335 East 45th Street, New York, NY 10017; telephone (212) 661-9404.

Obituaries

David Adler, professor of electrical engineering at the Massachusetts Institute of Technology and honorary advisor for science and technology at the Beijing Institute of Aeronautics and Astronautics, died March 31, 1987.

Adler's research interests included the electrical and optical properties of low-mobility materials, transport in amorphous semiconductors, insulator metal transitions, amorphous semiconductor switching and memory devices, electronic structure of transition metals and rare earth compounds, correlations in narrow energy bands, solar photovoltaic energy conversion, amorphous/crystalline heterojunction devices, thin film transistors, the processing of thin film materials and devices. His expertise is reflected in 300 published papers and 90 invited talks at scientific meetings.

Adler was a Fellow of the American Physical Society (APS) and a senior member of the American Vacuum Society and of IEEE. He was chairman of two SPIE conferences, one on Photovoltaics for Commercial Solar Power Applications (1986) and one on Amorphous Semiconductors for Microelectronics. He was cochair of the Eighth International Conference on Amorphous and Liquid Semiconductors (ICALS) Meeting in Rome, Italy, 1985.

Adler, a member of the Materials Research Society, was an instructor for the MRS Short Course on Amorphous Semiconductor Materials and Devices. He also served as a symposium organizer and proceedings editor for two MRS symposia on Materials Issues in Applications of Amorphous Silicon Technology at the 1985 and 1986 MRS Spring Meetings.

George H. Vineyard, President-Elect of the American Physical Society (APS), died of cancer on February 21, 1987. Vineyard was director of Brookhaven National Laboratory from 1973 through 1981, when he resigned as director to return to full-time research as a senior physicist. His research spanned microwave electronics, the structure of liquids, the theory of scattering, radiation damage and defects in crystals, magnetism, the theory of rate processes in solids, and the uses of computers in physics.

Vineyard served on numerous advisory committees for the National Science Foundation, National Research Council, National Academy of Sciences, American Physical Society, and several universities. He was a member of the Materials Research Council of DARPA since 1967, and was chairman of the council's Steering Committee since 1982.

He was chairman of the APS Division of Solid State Physics (1972-73), chairman of the APS Division of Condensed Matter Physics (1984-85), and a councillor-at-large of the APS (1975-79). Since 1983 he was editor and chairman of the Divisional Associate Editors of *Physical Review Letters*. Vineyard was a Fellow of the Polytechnic Institute of New York, American Academy of Arts and Sciences, AAAS, and APS. He was a member of Sigma Xi and the Materials Research Society.

John E. Hilliard, professor of materials science and engineering at Northwestern University, died April 17, 1987. Hilliard received his BEng and PhD, both in metallurgy, from Liverpool University, England. He was named Walter P. Murphy Professor at Northwestern in 1971.

Hilliard's research interests spanned diffusion, thermodynamics, phase transformations, quantitative metallography, and spinodal decomposition. He was co-editor of the book *Local Atomic Arrangements Studied by X-Ray Diffraction* (Gordon and Breach, New York, 1966) and author or co-author of more than 100 papers. Several of his most recent papers dealt with superconductivity, including "Superconducting Fluctuations, Weak Anti-Localization and Interaction Effects in $Nb_{0.53}Ti_{0.47}$-Ge Multilayers," *Solid State Comm.*, 1 (1986) p. 1, with B.Y. Jin, Y.H. Shen, and J.B. Ketterson.

Hilliard was a member of The Metallurgical Society, the International Society for Stereology, the Institute of Metals (London), and the Materials Research Society. He was a symposium organizer for the symposium on Interfaces, Superlattices, and Thin Films at the 1986 MRS Fall Meeting in Boston, MA.