

The following recently published books, relevant to materials science, have come to *MRS Bulletin's* attention. Some of the books listed here may be reviewed in future issues of *MRS Bulletin*.

Books

Advanced Heat Resistant Steel for Power Generation, R. Viswanathan and J. Nutting, eds. Ashgate Publishing Company, Brookfield VT, 1999. 695 pp., \$160.00, ISBN 1-86125-079-7.

Advances in Ceramic Matrix Composites IV, J.P. Singh and N.P. Bansal, eds. The American Ceramic Society, Westerville, Ohio, 1999. 465 pp., \$90.00, ISBN 1-57498-059-9.

Advances in Process Measurements for the Ceramic Industry, A. Jillavenkatesa and G.Y. Onoda. The American Ceramic Society, Westerville, Ohio, 1999. 397 pp., \$72.00, ISBN 1-57498-086-6.

Ammonia Principles and Industrial Practice, Max Appl. Wiley-VCH, New York, 1999. 301 pp., \$160.00, ISBN 3-527-29593-3.

Basic Principles of the Finite Element Method, K.M. Entwistle. Ashgate Publishing Company, Brookfield VT, 1999. 183 pp., \$40.00, ISBN 1-86125-084-3.

Cements Research Progress 1997: A Survey of the Literature on the Science of Cements Published During 1997, Leslie J. Struble and Eileen C. Burlingame, eds. The American Ceramic Society, Westerville, Ohio, 1999. 293 pp., \$75.00, ISBN 1-57498-105-6.

Ceramic Innovations in the 20th Century, J.B. Wachtman Jr., ed. The American Ceramic Society, Westerville, Ohio, 1999. 307 pp., \$39.00, ISBN 1-57498-093-9.

Cracks and Fracture, K. Bertram Broberg. Academic Press, San Diego, 1999. 752 pp., \$99.95, ISBN 0-12-134130-5.

Dielectric Ceramic Materials, K.M. Nair and A.S. Bhalla, eds. The American Ceramic Society, Westerville, Ohio, 1999. 562 pp. \$95.00, ISBN 1-57498-066-1.

Dynamic Mechanical Analysis: A Practical Introduction, K.P. Menard. CRC Press, Boca Raton, 1999. 208 pp., \$69.95, ISBN 0-8493-8688-8.

Electrochemistry of Glass and Ceramics, S.K. Sundram, D.F. Bickford, and E.J. Hornyak Jr., eds. The American Ceramic Society, Westerville, Ohio, 1999. 316 pp., \$85.00, ISBN 1-57498-062-9.

The Electron, Angus Kirkland and Paul D. Brown, eds. (Proceedings of the International Centennial Symposium on the Electron, Churchill College, Cambridge, 15-17 September 1997.) Ashgate Publishing Company, Brookfield VT, 1999. 665 pp., \$160.00, ISBN 1-86125-051-7.

Engineering with Ceramics, W.E. Lee and B. Derby, eds. (British Ceramic Proceedings No. 59.) Ashgate Publishing Company, Brookfield VT, 1999. 278 pp., \$150.00, ISBN 1-86125-087-8.

Environmental Issues and Waste Management Technologies in the Ceramic and Nuclear Industries IV, J.C. Marra and G.T. Chandler, eds. The American Ceramic Society, Westerville, Ohio, 1999. 424 pp., \$95.00, ISBN 1-57498-057-2.

59th Conference on Glass Problems, C.H. Drummond III, ed. The American Ceramic Society, Westerville, Ohio, 1999. 287 pp., \$60.00.

Handbook Series on Semiconductor Parameters, M. Levinstein, S. Rumyantsev, and M. Shur, eds. World Scientific Publishing, New Jersey, 1999. 205 pp., \$78.00, ISBN 981-02-2935-6.

Imaging of Surfaces and Interfaces, Jacek Lipkowski and Philip N. Ross, eds. (Frontiers of Electrochemistry series.) Wiley-VCH, New York, 1999. 342 pp., \$125.00, ISBN 0-471-24672-7.

Innovative Processing and Synthesis of Ceramics, N.P. Bansal and J.P. Singh, eds. 574 pp., \$95.00, ISBN 1-57498-060-2.

Marangoni and Interfacial Phenomena in Materials Processing, E.D. Hondros, M. McLean, and K.C. Mills, eds. Ashgate Publishing Company, Brookfield VT, 1999. 259 pp., \$90.00, ISBN 1-86125-056-8.

Microstructural Characterization of Materials, David Brandon and Wayne D. Kaplan. John Wiley & Sons, New York, 1999. 409 pp., \$69.95, ISBN 0-471-98502-3.

Military Metallurgy, Alistair Doig. Ashgate Publishing Company, Brookfield VT, 1999. 152 pp., \$40.00, ISBN 1-86125-061-4.

Molecular Modeling Applications in Crystallization, Allan S. Myerson, ed. Cambridge University Press, New York, 1999. 354 pp., \$110.00, ISBN 0-521-55297-4.

Multilayer Electronic Ceramic Devices, J-H. Jean, T.K. Gupta, K.M. Nair, and K. Niwa, eds. The American Ceramic Society, Westerville, Ohio, 1999. 376 pp., \$95.00, ISBN 1-57498-064-5.

Photoemission Studies of High-Temperature Superconductors, D.W. Lynch and C.G. Olson. Cambridge University Press, United Kingdom, 1999. 432 pp., \$110.00, ISBN 0-521-55189-7.

The Physics of Stars, 2d ed, A.C. Phillips. John Wiley & Sons, New York, 1999. 246 pp., \$59.95, ISBN 0-471-98798-0.

Plasma Processes for Semiconductor Fabrication, W.N.G. Hitchon. Cambridge University Press, United Kingdom, 1999. 221 pp., \$64.95, ISBN 0-521-59175-9.

Plutonium Metallurgy at Los Alamos, 1943-1945, E.F. Hammel. Los Alamos Historical Society, Los Alamos, 1998. 184 pp., \$20.00, ISBN 0-941232-20-4.

Polymer Process Engineering 99, P.D. Coates. Ashgate Publishing Company, Brookfield VT, 1999. 220 pp., \$80.00, ISBN 1-86125-094-0.

Precursor-Derived Ceramics, J. Bill, F. Wakai, and F. Aldinger, eds. Wiley-VCH, New York, 1999. 298 pp., \$180.00, ISBN 3-527-29814-2.

Sensors and Actuators, D.A. Hall and C.E. Millar, eds. Ashgate Publishing Company, Brookfield VT, 1999. 238 pp., \$80.00, ISBN 1-86125-089-4.

Structural Modeling and Experimental Techniques, 2d ed. H.G. Harris and G.M. Sabnis. CRC Press, Boca Raton. 789 pp., \$79.95, ISBN 0-8493-2469-6.

Superconductivity, J.B. Ketterson and S.N. Song. Cambridge University Press, United Kingdom, 1999. 497 pp., \$49.95, ISBN 0-521-56562-6.

Surfaces, Interfaces, and Colloids, 2d ed, D. Myers. Wiley-VCH, New York, 1999. 501 pp., \$94.95, ISBN 0-471-33060-4.

Szycher's Handbook of Polyurethanes, M. Szycher. CRC Press, Boca Raton, 1999. \$129.95, ISBN 0-8493-0602-7.

Topics in Electron Diffraction and Microscopy of Materials, P.B. Hirsch, ed. (From the Microscopy in Materials Science series. Series editors: B. Cantor and M.J. Goringe.) Institute of Physics Publishing, Bristol, England, 1999. 196 pp., \$75.00, ISBN 0-7503-0538-X.

Two-Phase Flow in Complex Systems, Salomon Levy. John Wiley & Sons, New York, 1999. 425 pp., \$89.95, ISBN 0-471-32967-3.

World Records in Chemistry, R. Faust, G. Knaus, U. Siemeling, and Hans-Jurgen Quadbeck-Seeger, eds. Wiley-VCH, New York, 1999. 361 pp., \$44.95, ISBN 3-527-29574-7.

X-Ray Fluorescence Spectrometry, 2d ed, Ron Jenkins. John Wiley & Sons, New York, 1999. 207 pp., \$79.95, ISBN 0-471-29942-1. □

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