

The following recently published books and journals, 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

**Access in Nanoporous Materials**, T.J. Pinnavaia and M.F. Thorpe, eds. Plenum Press, New York, 1995. Cloth, 453 pp, \$125.00, ISBN 0-306-45218-9.

**Acoustical Imaging**, vol. 21, J.P. Jones, ed. Plenum Press, New York, 1995. Cloth, 838 pp, \$159.50, ISBN 0-306-45009-7.

**Advances in Physical Metallurgy**, S. Banerjee and R.V. Ramanujan, eds. Gordon & Breach Publishers, Amsterdam, 1996. Paper, 569 pp, \$120, ISBN 2-88449-210-0.

**An Introduction to Fatigue in Metals and Composites**, R.L. Carlson and G.A. Kardomateas. Chapman & Hall, London, 1996. Cloth, 297 pp, \$60.00, ISBN 0-412-57200-1.

**Anisotropic Elasticity: Theory and Applications**, T.C.T. Ting. Oxford University Press, New York, 1996. Cloth, 590 pp, \$85.00, ISBN 0-19-507447-5.

**Crystal Properties Via Group Theory**, A.S. Nowick. Cambridge University Press, New York, 1996. Cloth, 244 pp, \$69.95, ISBN 0-521-41945-X.

**Design with Reinforced Plastics**, R.M. Mayer. The Design Council, London, 1993. Paper, 224 pp, \$46.00, ISBN 0-85072-294-2.

**Diamond Chemical Vapor Deposition: Nucleation and Early Growth Stages**, H. Liu and D.S. Dandy. Noyes Publications, Park Ridge, NJ, 1995. Cloth, 207 pp, \$64.00, ISBN 0-8155-1380-1.

**Driving Force: The Natural Magic of Magnets**, J.D. Livingston. Harvard University Press, Cambridge, 1996. Cloth, 320 pp, \$24.95, ISBN 0-674-21644-X.

**Einstein Atomized: More Science Cartoons**, S. Harris. Springer-Verlag, New York, 1996. Paper, \$14.00, ISBN 0-387-94665-9.

**Electronic Properties of Solids Using Cluster Methods**, T.A. Kaplan and S.D. Mahanti, eds. Plenum Press, New York, 1995. Cloth, 214 pp, \$89.50, ISBN 0-306-45010-0.

**Growth of Crystals**, vol. 20, E.I. Givargizov and A.M. Melnikova, eds., D.W. Wester, trans. Consultants Bureau, New York, 1996. Cloth, 177 pp, \$95.00, ISBN 0-306-18120-7.

**Handbook of Vacuum ARC Science and Technology**, R.L. Boxman, P.J. Martin, and D.M. Sanders, eds. Noyes Publications, Park Ridge, NJ, 1995. Cloth, 774 pp, \$98.00, ISBN 0-8155-1375-5.

**Industrial Radiology: Theory and Practice**, 2d ed., R. Halmshaw. Chapman & Hall, London, 1995. Cloth, 317 pp, \$89.95, ISBN 0-412-62780-9.

**Interfacial Electrochemistry**, W. Schmickler. Oxford University Press, New York, 1996. Cloth, 302 pp, \$49.95, ISBN 0-19-508932-4.

**Laser-Enhanced Ionization Spectrometry**, J.C. Travis and G.C. Turk, eds. Wiley & Sons, New York, 1996. Cloth, 358 pp, \$79.95, ISBN 0-471-57684-0.

**Materials Science and Technology: A Comprehensive Treatment. Vol. 8, Structure and Properties of Nonferrous Alloys**, K.H. Matucha, vol. ed. VCH, Weinheim, 1996. Cloth, 855 pp, ISBN 3-527-26821-9.

**Mathematica in Theoretical Physics: Selected Examples from Classical Mechanics to Fractals**, G. Baumann. Springer-Verlag, New York, 1996. Cloth, 360 pp, \$59.00, ISBN 0-387-94424-9.

**Metal Complexes in Aqueous Solutions**, A.E. Martell and R.D. Hancock. Plenum Press, New York, 1996. Cloth, 263 pp, \$59.50, ISBN 0-306-45248-0.

**Metal-Containing Polymeric Materials**, C.U. Pittman, Jr., C.E. Carraher, Jr., M. Zeldin, J.E. Sheats, and B.M. Culbertson, eds. Plenum Press, New York, 1996. Cloth, 528 pp, \$125.00, ISBN 0-306-45295-2.

**Modelling Molecular Structures**, A. Hinchliffe. Wiley & Sons, New York, 1996. Paper, 271 pp, \$29.95, ISBN 0-471-95923-5.

**Modern Aspects of Electrochemistry**, no. 28, B.E. Conway, J.O'M. Bockris, and R.E. White, eds. Plenum Press, New York, 1996. Cloth, 416 pp, \$95.00, ISBN 0-306-45146-8.

**Modern Aspects of Electrochemistry**, no. 29, J.O'M. Bockris, B.E. Conway, and R.E. White, eds. Plenum Press, New York, 1996. Cloth, 502 pp, \$110.00, ISBN 0-306-45162-X.

**Photoinduced Defects in Semiconductors**, D. Redfield and R.H. Bube. Cambridge University Press, New York, 1996. Cloth, 227 pp, \$54.95, ISBN 0-521-46196-0.

**Physical Processes of the Interaction of Fusion Plasmas with Solids**, W.O. Hofer and J. Roth, eds. Academic Press, San Diego, 1996. Cloth, 403 pp, \$120.00, ISBN 0-12-351530-0.

**Plastic Deformation of Ceramics**, R.C. Bradt, C.A. Brookes, and J.L. Routbort, eds. Plenum Press, New York, 1995. Cloth, 683 pp, \$145.00, ISBN 0-306-45120-4.

**Polymer Microscopy**, 2d ed., L.C. Sawyer and D.T. Grubb. Chapman & Hall, London, 1996. Cloth, 413 pp, \$156.50, ISBN 0-412-60490-6.

**Polymer Physic**, U.W. Gedde. Chapman & Hall, London, 1995. Cloth, 310 pp, \$77.95, ISBN 0-412-59020-4; paper, \$43.00, ISBN 0-412-62640-3.

**Polymer Process Engineering**, R.G. Griskey. Chapman & Hall, New York, 1995. Cloth, 488 pp, \$69.95, ISBN 0-412-98541-1.

**Polymer Surface Modification: Relevance to Adhesion**, K.L. Mittal, ed. VSP, The Netherlands, 1995. Cloth, 542 pp, \$121.00, ISBN 90-6764-201-0.

**Polymers and Other Advanced Materials: Emerging Technologies and Business Opportunities**, P.N. Prasad, J.E. Mark, and

T.J. Fai, eds. Plenum Press, New York, 1995. Cloth, 809 pp, \$159.50, ISBN 0-306-45210-3.

**Processes in Photoreactive Polymers**, V.V. Krongauz and A.D. Trifunac, eds. Chapman & Hall, New York, 1995. Cloth, 421 pp, \$89.95, ISBN 0-412-03891-9.

**Prudent Practices in the Laboratory: Handling and Disposal of Chemicals**, E.M. Arnett, Chair; National Research Council. National Academy Press, Washington, DC, 1995. Cloth, 445 pp, \$54.95, ISBN 0-309-05229-7.

**The Renovation of Paintings in Tuscany, 1250-1500**, C. Hoeniger. Cambridge University Press, New York, 1995. Cloth, 208 pp, \$50.00, ISBN 0-521-46154-5.

**Research-Doctorate Programs in the United States: Continuity and Change**, M.L. Goldberger, B.A. Maher, and P.E. Flattau, eds.; National Research Council. National Academy Press, Washington, DC, 1995. Cloth, 756 pp, \$59.95, ISBN 0-309-05094-7.

**Schott Guide to Glass**, 2d ed., H.G. Pfaender. Chapman & Hall, London, 1996. Cloth, 221 pp, \$46.95, ISBN 0-412-62060-X.

**Science of Fullerenes and Carbon Nanotubes**, M.S. Dresselhaus, G. Dresselhaus, P.C. Eklund. Academic Press, San Diego, 1996. Cloth, 983 pp, \$130.00, ISBN 0-12-221820-5.

**Semiconductor Alloys: Physics and Materials Engineering**, A-B. Chen and A. Sher. Plenum Press, New York, 1995. Cloth, 363 pp, \$79.50, ISBN 0-306-45052-6.

**Size-Scale Effects in the Failure Mechanisms of Materials and Structures**, A. Carpinteri, ed. Chapman & Hall, London, 1996. Cloth, 607 pp, \$146.50, ISBN 0-419-20520-9.

**Solid-State Laser Engineering**, 4th ed., W. Koechner. Springer-Verlag, Berlin, 1996. Cloth, 720 pp, \$79.00, ISBN 3-540-60237-2.

**Thermofluids**, K. Sherwin and M. Horsley. Chapman & Hall, London, 1996. Paper, 672 pp, \$34.50, ISBN 0-412-59800-0.

**Tungsten Refractory Metals-3, 1996**, A. Bose and R. Dowding, eds. Metal Powder Industries Federation, Princeton, 1996. Paper, 250 pp, \$150.00, ISBN 1-878954-58-X.

**Ultrasonic Methods of Non-Destructive Testing**, J. Blitz and G. Simpson. Chapman & Hall, London, 1996. Cloth, 274 pp, \$90.00, ISBN 0-412-60470-1.

## Journals

**Mathematics and Mechanics of Solids**, Sage Science Press, 2455 Teller Road, Thousand Oaks, CA 91320; 805-499-9774; fax 805-499-0871; e-mail sagescience@sagepub.com. Quarterly. Subscription rate: \$65.00. □