

The following recent publications have come to the *Bulletin's* attention. Some of the books listed here may be reviewed in future issues of the *MRS Bulletin*.

## Books

**Acoustical Imaging, Volume 18**, H. Lee and G. Wade, eds. Plenum Press, New York, 1990. Hardcover, 557 pp, ISBN 0-306-43900-X.

**Advanced Topics in Materials Science and Engineering, Proceedings of the First Mexico-U.S.A. Symposium on Materials Science and Engineering, September 24-27, 1991, Ixtapa, Guerrero, Mexico**; J.L. Moran-Lopez and J.M. Sanchez, eds. Plenum Press, New York, 1993. Hardcover, 356 pp, \$55.00, ISBN 0-306-44487-9.

**Annual Review of Materials Science, Volume 23, 1993, Keynote Topic: Optical Materials**; R.A. Laudise and E. Snitzer, guest eds.; R.A. Huggins, J.A. Giordmaine, and J.B. Wachtman Jr., eds. Annual Reviews Inc., Palo Alto, California, 1993. Hardcover, 515 pp, ISBN 0-8243-1723-8.

**Chemical Physics of Intercalation II, Proceedings of the Second NATO Advanced Study Institute on Chemical Physics of Intercalation, June 29-July 8, 1992, Chateau de Bonas, France**; P. Bernier, J.E. Fischer, S. Roth, and S.A. Solin, eds. Plenum Press, New York, 1993. Hardcover, 403 pp, \$115.00, ISBN 0-306-44482-8.

**Compaction, Sintering, and Secondary Operations, Advances in Powder Metallurgy and Particulate Materials-1993; Volume 2, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee**; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 277 pp, ISBN 1-878954-36-9.

**Compound and Josephson High-Speed Devices**, T. Misugi and A. Shibatomi, eds. Plenum Press, New York, 1993. Hardcover, 306 pp, \$69.50, ISBN 0-306-44384-8.

**Creep and Fracture of Engineering Materials and Structures, Proceedings of the 5th International Conference, University College, Swansea, March 28-April 2, 1993**; B. Wilshire and R.W. Evans, eds. The Institute of Materials, London, England, 1993. Hardcover, 812 pp, \$145.00, ISBN 0-901716-43-X.

**Electron Beam Testing Technology**, J.T.L. Thong, ed. Plenum Press, New York, 1993. Hardcover, 462 pp, \$89.50, ISBN 0-306-44360-0.

**Equilibrium Structure and Properties of Surfaces and Interfaces, Proceedings of the NATO Advanced Study Institute on Surfaces and Interfaces, August 18-30, 1991, Porto Carras, Greece**; A. Gonis and G.M. Stocks, eds. Plenum Press, New York, 1992. Hardcover, 371 pp, \$110.00, ISBN 0-306-44307-4.

**Germanate Glasses: Structure, Spectroscopy, and Properties**, A. Margaryan and M.A. Piliavin, eds. Artech House, Norwood,

Massachusetts, 1993. Hardcover, 181 pp, \$72.00, ISBN 0-89006-506-3.

**Glow Discharge Spectroscopies**, R.K. Marcus, ed. Plenum Press, New York, 1993. Hardcover, 514 pp, \$95.00, ISBN 0-306-44396-1.

**Handbook of X-Ray Photoelectron Spectroscopy**, J.F. Moulder, W.F. Stickle, P.E. Sobol, and K.D. Bomben. Perkin-Elmer Corporation, Eden Prairie, Minnesota, 1992. Hardcover, 261 pp, \$290.00, ISBN 0-9627026-2-5.

**High-Pressure Shock Compression of Solids**, J.R. Asay and M. Shahinpoor, eds. Springer-Verlag, New York, 1993. Hardcover, 393 pp, ISBN 0-387-97964-6.

**Introduction to Maple**, A. Heck, ed. Springer-Verlag, New York, 1993. Hardcover, 497 pp, \$39.00, ISBN 0-387-97662-0.

**Ion Implantation in Diamond, Graphite and Related Materials**, M.S. Dresselhaus and R. Kalish, eds. Springer-Verlag, Berlin, Heidelberg, 1992. Hardcover, 202 pp, \$59.00, ISBN 3-540-54956-0.

**Loop Transfer Recovery: Analysis and Design**, A. Saberi, B.M. Chen, and P. Sannuti, eds. Springer-Verlag, London, 1993. Hardcover, 352 pp, \$89.00, ISBN 3-540-19831-8.

**Maple Handbook, The**, D. Redfern, ed. Springer-Verlag, New York, 1993. Paperback, 497 pp, \$29.00, ISBN 0-387-94054-5.

**Materials Fundamentals of Molecular Beam Epitaxy**, J.Y. Tsao, ed. Academic Press, San Diego, 1993. Paperback, 301 pp, ISBN 0-12-701625-2.

**Mathematical Modeling of Weld Phenomena**, H. Cerjak and K.E. Easterling, eds. The Institute of Materials, London, 1993. Hardcover, 369 pp, \$130.00, ISBN 0-901716-16-2.

**Modeling, Design, and Computational Methods, Advances in Powder Metallurgy and Particulate Materials-1993; Volume 3, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee**; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 279 pp, ISBN 1-878954-37-7.

**Nuclear Acoustic Resonance**, D.I. Bolef and R.K. Sundfors, Academic Press, San Diego, 1993. Hardcover, 432 pp, ISBN 0-12-111250-0.

**Powder Injection Molding, Advances in Powder Metallurgy and Particulate Materials-1993; Volume 5, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee**; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 237 pp, ISBN 1-878954-39-3.

**Powders, Characterization, Testing, and Quality Control, Advances in Powder Metallurgy and Particulate Materials-1993;**

*Volume 1, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee*; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 381 pp, ISBN 1-878954-35-0.

**Principles of the Solid State**, H.V. Keer, ed. Wiley Eastern, New Delhi, 1993. Paperback, 379 pp, ISBN 81-224-0466-9.

**Processing, Properties, and Applications, Advances in Powder Metallurgy and Particulate Materials-1993; Volume 4, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee**; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 355 pp, ISBN 1-878954-38-5.

**Quantum Dice, The**, L.I. Ponomarev, ed.; translated from Russian by A.P. Repiev. IOP Publishing, Bristol, 1993. Hardcover, 250 pp, \$110.00, ISBN 0-7503-0251-8.

**Review of Progress in Quantitative Nondestructive Evaluation, Volumes 12A and 12B, Proceedings of the 19th Annual Review of Progress in Quantitative Nondestructive Evaluation, July 19-24, 1992, La Jolla, California**; D.O. Thompson and D.E. Chimenti, eds. Plenum Press, New York, 1993. Hardcover, 2,431 pp, \$345.00, ISBN 0-306-44483-6.

**Scanning Tunneling Microscopy I, H-J. Güntherodt and R. Wiesendanger, eds.** Springer-Verlag, Berlin, Heidelberg, 1992. Hardcover, 246 pp, \$59.00, ISBN 3-540-54308-2.

**Scanning Tunneling Microscopy II, R. Wiesendanger and H-J. Güntherodt, eds.** Springer-Verlag, Berlin, Heidelberg, 1992. Hardcover, 308 pp, \$69.00, ISBN 3-540-54555-7.

**Scanning Tunneling Microscopy III, R. Wiesendanger and H-J. Güntherodt, eds.** Springer-Verlag, Berlin, Heidelberg, 1993. Hardcover, 375 pp, ISBN 3-540-56317-2.

**Solids Under High-Pressure Shock Compression: Mechanics, Physics, and Chemistry**, R.A. Graham, ed. Springer-Verlag, New York, 1993. Hardcover, 221 pp, \$89.00, ISBN 0-387-97885-2.

**Specialty Materials and Composites, Advances in Powder Metallurgy and Particulate Materials-1993; Volume 6, Proceedings of the 1993 International Conference and Exhibition on Powder Metallurgy and Particulate Materials, May 16-19, 1993, Nashville, Tennessee**; A. Lawley and A. Swanson, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. Hardcover, 283 pp, ISBN 1-878954-40-7.

**Superconductivity Today (An Elementary Introduction)**, T.V. Ramakrishnan and C.N.R. Rao, eds. Wiley Eastern for Jawaharlal Nehru Centre for Advanced Scientific Research, New Delhi, 1992. Paperback, 115 pp, ISBN 81-224-0391-3. □