

Fields, Strings and Quantum Gravity. HANYING GUO, ZHAOMING QIN, and HENRY TYE, Eds. Gordon and Breach, New York, 1990, xiv, 435 pp., illus. Paper, \$105. China Center of Advanced Science and Technology (World Laboratory) Symposium/Workshop Proceedings, vol. 6. From a workshop, Beijing, May 1989.

In October 1986 the China Center of Advanced Science and Technology was established in Beijing "to introduce important frontier areas of science to China and to promote the free exchange of scientific information between China and other nations." The Center is undertaking to hold, annually, several international symposium/workshops on subjects that hold promise for development in China. This volume stemming from one such event consists of ten invited papers: S. Deser on three-dimensional gravity theories; G. 't Hooft on black holes and the quantization of gravity; H. C. Lee on Hopf algebra, complexification of $U_q(sl(2, c))$, and link invariants; Y. Ne'eman and coauthors on world spinors and gravity as a spontaneously broken affine theory and on two-dimensional conformal field theory, duality, and Mac Lane's coherence; A. Sen on conformal field theories on Riemann surfaces; H. Tye on closed string field theory; C. Vafa on superstring vacua; Z. B. Zamolodchikov on fractional spin integrals in perturbed conformal field theory; and S. Coleman on wormhole dynamics (this last based on lecture notes taken by others). In addition to the overseas visitors some 90 Chinese scientists were in attendance. A distinguishing feature of this symposium and an overlapping one on relativistic heavy ions was that they were held at the time of the reformist demonstrations in China and were cut short by the killings that occurred in Tiananmen Square on 4 June, circumstances discussed in a brief preface by T. D. Lee. The book is dedicated to the memory of those who died in Tiananmen Square.—K.L.

Books Received

The Acoustics of Crime. The New Science of Phonetics. Harry Hollien. Plenum, New York, 1990, xiv, 370 pp., illus. \$49.50. Applied Psycholinguistics and Communication Disorders.

Advances in Fine Particles Processing. John Janna and Yosry A. Attia, Eds. Elsevier, New York, 1990, x, 472 pp., illus. \$135. From a symposium.

African Birds of Prey. Warwick Tarboton. Photographs by Peter and Beverly Pickford. Cornell University Press, Ithaca, NY, 1990, 227 pp., illus. \$45.

AIDS Vaccine Research and Clinical Trials. Scott D. Putney and Dani P. Bolognesi, Eds. Dekker, New York, 1990, xx, 481 pp., illus. \$99.75.

Cambridge Dictionary of Biology. Peter M. B. Walker, Ed. Cambridge University Press, New York, 1990, xii, 324 pp., illus. Paper, \$14.95. Second edition of *Chambers Biology Dictionary*.

Cambridge Dictionary of Science and Technology. Peter M. B. Walker, Ed. Cambridge University Press, New York, 1990, xvi, 1008 pp. \$39.95. Second edition of *Chambers Science and Technology Dictionary*.

Catecholamine Genes. Tong H. Joh, Ed. Wiley-Liss, New York, 1990, xii, 164 pp., illus. \$79.95. Neurology and Neurobiology.

The Challenge of Art to Psychology. Seymour B. Sarason. Yale University Press, New Haven, CT, 1990, xii, 188 pp., illus. \$25.

Chemically Modified Oxide Surfaces. Donald E. Leyden and Ward T. Collins, Eds. Gordon and Breach, New York, 1990, xiv, 410 pp., illus. \$71. Chemically Modified Oxide Surfaces, vol. 3. From a symposium, Midland, MI, June 1989.

Chronic Pain. Thomas W. Miller. International Universities Press, Madison, CT, 1990, 2 vols. Vol. 1, xxxvi, 361 pp., illus. \$50. Vol. 2, xviii, 520 pp., illus. \$65.

Chronobiology. Its Role in Clinical Medicine, General Biology, and Agriculture. Dora K. Hayes, John E. Pauly, and Russel J. Reiter, Eds. Wiley-Liss, New York, 1990, 2 vols. Vol. 1, xlvii, 822 pp., illus. \$175. Vol. 2, xlv, 940 pp., illus. \$195. Progress in Clinical and Biological Research, vol. 341A and 341B. From a conference, Bethesda, MD, June 1989.

The Conscious Universe. Part and Whole in Modern Physical Theory. Menas Kafatos and Robert Nadeau. Springer-Verlag, New York, 1990, xii, 214 pp., illus., + plates. Paper, \$29.95.

Control of Metabolic Processes. Athel Cornish-Bowden and Maria Luz Cárdenas, Eds. Plenum, New York, 1990, xiv, 454 pp., illus. \$95. NATO Advanced Science Institute series, vol. 190. From a workshop, Lucca, Italy, Apr. 1989.

Coulomb Interactions in Particle Beams. G. H. Jansen. Academic Press, San Diego, AC, 1990, x, 546 pp., illus. \$89. Advances in Electronics and Electron Physics, 21.

Countercurrent Chromatography. Apparatus, Theory, and Applications. Walter D. Conway. VCH, New York, 1990, xvi, 475 pp., illus. \$95.

A Course in Mathematics. For Students of Physics. Vol. 2. Paul Bamberg and Shlomo Sternberg. Cambridge University Press, New York, 1990, xviii, 443 pp., illus. \$54.50.

Creativity in the Arts and Science. William R. Shea and Antonio Spadafora, Eds. Science History (Watson), Canton, MA, 1990, xviii, 187 pp., illus. \$29.95. From a conference, Locarno, Italy, Oct. 1988.

Cry Lonesome and Other Accounts of the Anthropologist's Project. Miles Richardson. State University of New York Press, Albany, NY 1990, x, 176 pp., illus. Paper, \$12.95.

Demanding Clean Food and Water. The Fight for a Basic Human Right. Joan Goldstein. Plenum, New York, 1990, xiv, 271 pp., illus. \$22.95.

A Development of the Equations of Electromagnetism in Material Continua. Harry F. Tiersten. Springer-Verlag, New York, 1990, xii, 156 pp., illus. \$49. Springer Tracts in Natural Philosophy, vol. 36.

Domestication. The Decline of Environmental Appreciation. Helmut Hemmer. Cambridge University Press, New York, 1990, x, 208 pp., illus. \$69.50. Translated from the German edition (Braunschweig, 1983) by Neil Beckhaus.

Dynamics in Atmospheric Physics. Richard S. Lindzen. Cambridge University Press, New York, 1990, x, 310 pp., illus. \$39.50.

Electron-Positron Annihilation Physics. B. Foster, Ed. Hilger, New York, 1990 (distributor, American Institute of Physics, New York). xii, 231 pp., illus. \$60.

Energetic Charged-Particle Interactions with Atmospheres and Surfaces. R. E. Johnson. Springer-Verlag, New York, 1990, x, 232 pp., illus. \$98. Physics and Chemistry in Space Planetology, vol. 19.

Evolution of the First Nervous Systems. Peter A. V. Anderson, Ed. Plenum, New York, 1990, xxiv, 423 pp., illus. \$95. NATO Advanced Science series, vol. 188. From a workshop, St. Andrew's Scotland, July 1989.

Fire in North American Tallgrass Prairies. Scott L. Collins and Linda L. Wallace, Eds. University of Oklahoma Press, Norman, OK, 1990, xii, 175 pp., illus. \$24.95. From a symposium, Columbus, OH, Aug. 1987.

Foodborne Diseases. Dean O. Cliver, Ed. Academic Press, San Diego, CA, 1990, xviii, 395 pp., illus. \$49.95. Food Science and Technology.

Formation Evaluation II. Log Interpretation. Norman H. Foster and Edward A. Beaumont, Eds. American Association of Petroleum Geologists, Tulsa, OK, 1990, xiv, 600 pp., illus. \$39; paper, \$26. Treatise of Petroleum Geology Reprint Series, no. 17.

Gehechtheid en Dementie. Ouders in de Beleving van Dementerende Ouderen. Bère Miesen. Versluys,

Almere, The Netherlands, 1990. 272 pp., illus. Paper, Dfl. 47.50.

Gems, Granites, and Gravels. Knowing and Using Rocks and Minerals. R. V. Dietrich and Brian J. Skinner. Cambridge University Press, New York, 1990, viii, 173 pp., illus., + plates. \$24.95.

Genesis and the Big Bang. The Discovery of Harmony Between Modern Science and the Bible. Gerald L. Schroeder. Bantam, New York, 1990, xii, 212 pp., illus. \$19.95.

Graft vs. Host Disease. Immunology, Pathophysiology, and Treatment. Steven J. Burakoff *et al.*, Eds. Dekker, New York, 1990, xxii, 725 pp. illus. \$175. Hematology, vol. 12.

Granulites of South India. B. P. Radhakrishna, M. Ramakrishnan, and B. Mahabaleswar, Eds. Geological Society of India, Bangalore, India, 1990, xvi, 502 pp., illus. \$65. Memoir 17, Pichamuthu volume.

Graphite Intercalation Compounds I. Structure and Dynamics. H. Zabel and S. A. Solin, Eds. Springer-Verlag, New York, 1990, xiv, 356 pp., illus. \$69. Springer Series in Materials Science, vol. 14.

Great Mambo Chicken and the Transhuman Condition. Science Slightly Over the Edge. Ed Regis. Addison-Wesley, New York, 1990, viii, 308 pp. \$18.95.

The Greenpeace Book of Dolphins. John May, Ed. Sterling, New York, 1990, 159 pp., illus. \$29.95.

Harnessing Solar Power. The Photovoltaics Challenge. Ken Zweibel. Plenum, New York, 1990, xii, 319 pp., illus. \$24.95.

Health and Medical Aspects of Disaster Preparedness. John C. Duffy, Eds. Plenum, New York, 1990, xii, 184 pp. \$65. NATO Challenges of Modern Society, vol. 14.

Helices and Vector Bundles. Seminaire Rudakov. A. N. Rudakov *et al.* Cambridge University Press, New York, 1990, vi, 143 pp., illus. Paper, \$24.95. London Mathematical Society Lecture Note Series, 148. Translated from the Russian by A. D. King, P. Kobak, and A. Maciocia. From a seminar series, Moscow.

History and Precedent in Environmental Design. Amos Rapoport. Plenum, New York, 1990, xvi, 510 pp., illus. \$65.

History of Syphilis. Claude Quézel. Johns Hopkins University Press, Baltimore, MD, 1990, viii, 342 pp., illus. \$35.95. Translated from the French edition (Paris, 1986) by Judith Braddock and Brian Pike.

Human Immunodeficiency Virus. Innovative Techniques for Isolation and Identification. Narayan C. Khan and Joseph L. Melnick, Eds. Karger, New York, 1990, x, 130 pp., illus. \$99.25. Monographs in Virology, vol. 18.

Human Rights in Africa. Cross-Cultural Perspectives. Abdullahi Ahmed An-Na'im and Francis M. Deng, Eds. Brookings Institution, Washington, DC, 1990, xvi, 399 pp. \$36.95; paper, \$16.95.

Immunocytochemical Techniques. Principles and Practice. Barbara S. Beltz and Gail D. Burd. Blackwell, Cambridge, MA, 1989, xx, 182 pp., illus. Paper, \$39.95.

In Situ Evaluation of Biological Hazards of Environmental Pollutants. Shahbeg S. Sandhu *et al.*, Eds. Plenum, New York, 1990, x, 277 pp., illus. \$65. Environmental Science Research, vol. 38. From a symposium, Chapel Hill, NC, Dec. 1988.

Integrated Pollution Control in Europe and North America. Nigel Haigh and Frances Irwin, Eds. Conservation Foundation, Washington, DC, and Institute for European Environmental Policy, London, 1990, xiv, 242 pp., illus. Paper, \$20.

Interaction of Atoms and Molecules with Solid Surfaces. V. Bortolani, N. H. March, and M. P. Tosi, Eds. Plenum, New York, 1990, xx, 679 pp., illus. \$115. Physics of Solids and Liquids.

The International Geosphere-Biosphere Programme. A Study of Global Change: The Initial Core Projects. IGBP Secretariat, Stockholm, 1990, vi, 312 pp., illus. Global Change. Report no. 12, 1990.

Introduction to Uniform Spaces. I. M. James. Cambridge University Press, New York, 1990, viii, 148 pp., illus. Paper, \$24.95. London Mathematical Society Lecture Note series, 144.

Ionizing Radiation Damage to DNA. Molecular Aspects. Susan S. Wallace and Robert B. Painter, Eds. Wiley-Liss, New York, 1990, xx, 331 pp., illus. \$98. UCLA Symposia on Molecular and Cellular Biology, new series, vol. 136. From a colloquium, Lake Tahoe, CA, Jan. 1990.

Iterative Functional Equations. Marek Kuczma, Bogdan Choczewski, and Roman Ger. Cambridge University Press, New York, 1990, xx, 552 pp. \$99.50. Encyclopedia of Mathematics and Its Applications, vol. 32.

The Kinsey Institute New Report on Sex. What You Must Know to Be Sexually Literate. June M.