

to other specialists, such as historians of science, and even to the generalists looking for a readable book about scientific societies.

H. WILLIAM KOCH
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Books Received

Biotechnology. Vol. 7B, Gene Technology. G. K. Jacobson and S. O. Jolly, Eds. VCH, New York, 1989. xvi, 587 pp., illus. \$298.

Bites and Stings. The World of Venomous Animals. John Nichol. Facts on File, New York, 1989. 208 pp., illus. \$19.95.

Combinatorial Mathematics. Gary S. Bloom, Ronald L. Graham, and Joseph Malkevitch, Eds. New York Academy of Sciences, New York, 1989. x, 436 pp., illus. \$109. Annals of the New York Academy of Sciences, vol. 555. From a conference, New York, June 1985.

Computation for the Analysis of Designed Experiments. Richard M. Heiberger. Wiley, New York, 1989. xviii, 683 pp., illus., + diskette in pocket. \$59.95. Wiley Series in Probability and Mathematical Statistics.

Computational Geometry. Curve and Surface Modeling. Su Bu-Qing and Liu Ding-Yuan. Academic Press, San Diego, CA, 1989. x, 295 pp., illus. \$39.95. Translated from the Chinese by Chang Geng-Zhe.

Computational Models of Learning in Simple Neural Systems. Robert D. Hawkins and Gordon H. Bower, Eds. Academic Press, San Diego, CA, 1989. xiv, 321 pp., illus. Paper, \$29.50. The Psychology of Learning and Motivation, vol. 23.

Computer and Information Sciences-3. E. Gelenbe, E. Orhun, and E. Başar, Eds. Nova Science, Commack, NY, 1989. xii, 732 pp., illus. \$125. From a symposium, Çeşme, Turkey, Oct.-Nov. 1988.

Environments at Risk. Case Histories of Impact Assessment. Derek Ellis. Springer-Verlag, New York, 1989. xiv, 329 pp., illus. Paper, \$39.50.

Fieser and Fieser's Reagents for Organic Synthesis. Vol. 14. Mary Fieser. Wiley-Interscience, New York, 1989. x, 386 pp., illus. \$45.

The Fifth Essence. The Search for Dark Matter in the Universe. Lawrence M. Krauss. Basic Books, New York, 1989. xviii, 342 pp., illus. \$21.95.

Flora Malesiana. Series 1, Spermatophyta. Vol. 10. C. G. J. van Steenis and W. J. J. O. de Wilde, Eds. Kluwer, Norwell, MA, 1989. 44, 748 pp., illus. \$285. In part reprint, 1984-1986 eds.

Food Price Policy in Asia. A Comparative Study. Terry Sicular, Ed. Cornell University Press, Ithaca, NY, 1989. xii, 307 pp., illus. \$49.95; paper, \$16.95.

Introduction to Macromolecular Science. Petr Munk. Wiley-Interscience, New York, 1989. xviii, 522 pp., illus. \$44.95.

An Introduction to Noncommutative Noetherian Rings. K. R. Goodearl and R. B. Warfield, Jr. Cambridge University Press, New York, 1989. xviii, 303 pp. \$49.50; paper, \$19.95. London Mathematical Society Student Texts, vol. 16.

Introduction to Stellar Astrophysics. Vol. 1, Basic Stellar Observations and Data. Erika Böhm-Vitense. Cambridge University Press, New York, 1989. x, 244 pp., illus. \$59.95; paper, \$22.95.

An Introduction to the Properties of Condensed Matter. D. J. Barber and R. Loudon. Cambridge University Press, New York, 1989. xiv, 281 pp., illus. \$49.50; paper, \$19.95.

Iron Carriers and Iron Proteins. Thomas M. Loehr, Ed. VCH, New York, 1989. xviii, 533 pp., illus. \$150. Physical Bioinorganic Chemistry Series, vol. 5.

Microbiology. Bernard D. Davis *et al.*, 4th ed. Lip-pincott, Philadelphia, 1989. xxii, 1215 pp., illus. \$65.

Microcognition. Philosophy, Cognitive Science, and Parallel Distributed Processing. Andy Clark. MIT Press, Cambridge, MA, 1989. xiv, 226 pp., illus. \$19.95. Explorations in Cognitive Science, vol. 6.

Millimetre and Submillimetre Wavelength Lasers. A Handbook of cw Measurements. Nigel G. Douglas. Springer-Verlag, New York, 1989. x, 278 pp., illus. \$64.50. Springer Series in Optical Sciences, vol. 61.

The Mind at Work. Psychological Ergonomics. W. T. Singleton. Cambridge University Press, New York, 1989. xiv, 348 pp., illus. \$64.50.

Modeling the Stellar Environment. How and Why? P. Delache *et al.*, Eds. Editions Frontières, Gif sur Yvette, France, 1989. xxviii, 326 pp., illus. \$53. From a meeting, Paris, France, June 1988.

Modern Physics in America. A Michelson-Morley Centennial Symposium (Cleveland, OH, Oct. 1987). William Fickinger and Kenneth L. Kowalski, Eds. American Institute of Physics, New York, 1988. xx, 258 pp., illus., + plates. \$53.50. AIP Conference Proceedings, vol. 169.

Molecular and Cellular Controls of Hematopoiesis. Donald Orlie, Ed. New York, Academy of Sciences, New York, 1989. x, 250 pp., illus. \$62. Annals of the New York Academy of Sciences, vol. 554. From a conference, Ajijic, Mexico, Feb. 1988.

Molecular Biology of the Fission Yeast. Anwar Nasim, Paul Young, and Byron F. Johnson, Eds. Academic Press, San Diego, CA, 1989. xii, 469 pp., illus. \$99.50. Cell Biology.

Molecular Diagnostics of Human Cancer. Mark Furth and Melvyn Greaves, Eds. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1989. xxii, 414 pp., illus. Paper, \$95. Cancer Cells, vol. 7. From a conference, Cold Spring Harbor, NY, 1988.

Molecular Genetics of Early Drosophila and Mouse Development. Mario R. Capecchi, Ed. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1989. xiv, 141 pp., illus. Paper, \$24. Current Communications in Molecular Biology. From a meeting, Cold Spring Harbor, NY, April 1989.

Molecular Mimicry. Cross-Reactivity Between Microbes and Host Proteins as a Cause of Autoimmunity. M. B. A. Oldstone, Ed. Springer-Verlag, New York, 1989. viii, 141 pp., illus. \$59.50. Current Topics in Microbiology and Immunology, vol. 145.

Molecule Surface Interactions. K. P. Lawley, Ed. Wiley-Interscience, New York, 1989. x, 386 pp., illus. \$110. Advances in Chemical Physics, vol. 76.

Motivation and Explanation. An Essay on Freud's Philosophy of Science. Nigel Mackay. International Universities Press, Madison, CT, 1989. x, 254 pp. \$27.50. Psychological Issues, vol. 56.

Nonlinear Boundary Value Problems in Science and Engineering. C. Rogers and W. F. Ames. Academic Press, San Diego, CA, 1989. xiv, 417 pp., illus. \$69.95. Mathematics in Science and Engineering, vol. 183.

Nuclear Fusion. Keishiro Niu. Cambridge University Press, New York, 1989. xii, 240 pp., illus. \$59. Translated from the Japanese edition (Tokyo, 1979).

Number Theory. D. V. Chudnovsky *et al.*, Eds. Springer-Verlag, New York, 1989. vi, 256 pp. Paper, \$24.30. Lecture Notes in Mathematics, vol. 1383. From a seminar, New York, 1985-1988.

Papers on General Topology and Related Category Theory and Topological Algebra. Ralph Kopperman *et al.*, Eds. New York Academy of Sciences, New York, 1989. x, 197 pp., illus. \$50. Annals of the New York Academy of Sciences, vol. 552. Based on conferences, New York, July 1985 and June 1987.

Patient's Progress. Doctors and Doctoring in Eighteenth-Century England. Dorothy Porter and Roy Porter. Stanford University Press, Stanford, CA, 1989. viii, 305 pp., illus. \$32.50.

The Penguin Dictionary of Mathematics. John Daintith and R. D. Nelson. Penguin, New York, 1989. 350 pp., illus. Paper, \$7.95.

Pharmaceutical Thermal Analysis. Techniques and Applications. James L. Ford and Peter Timmins. Horwood, Chichester, U.K., and Halsted (Wiley), New York, 1989. 313 pp., illus. \$99.95. Ellis Horwood Books in Biological Sciences.

Pharmacological Methods in the Control of Inflammation. Joseph Y. Chang and Alan J. Lewis, Eds. Liss (Wiley), New York, 1989. xvi, 505 pp., illus. \$98. Modern Methods in Pharmacology, vol. 5.

Photometric Determination of Traces of Metals. Part 2B, Individual Metals, Magnesium to Zirconium. Hiroshi Onishi. 4th ed. Wiley-Interscience, New York, 1989. xxiv, 821 pp., illus. \$179.95. Chemical Analysis, vol. 3, part 2B.

Photosynthetic Pigments of Algae. Kingsley S. Rowan. Cambridge University Press, New York, 1989. xiv, 334 pp., illus. \$59.50.

Physics and Chemistry of the Upper Atmosphere. M. H. Rees. Cambridge University Press, New York, 1989. x, 289 pp., illus. Paper, \$27.95. Cambridge Atmospheric and Space Science Series.

The Physiology and Biochemistry of Cestodes. J. D. Smyth and D. P. McManus. Cambridge University Press, New York, 1989. xii, 398 pp., illus. \$89.50.

Placenta as a Model and a Source. Olga Genbačev, Arnold Klopfer, and Rebecca Beaconsfield, Eds. Plenum, New York, 1989. 188 pp., illus. \$49.50. Based on a workshop, Zemun, Yugoslavia, May 1988.

Plankton Stratigraphy. Vol. 1, Planktic Foraminifera, Calcareous Nannofossils and Calionellids. Hans M.

Bolli, John B. Saunders, and Katharina Perch-Nielsen, Eds. Cambridge University Press, New York, 1989. viii, 599 pp., illus. Paper, \$64.50. Cambridge Earth Science Series. Reprint, 1985 ed.

Pleasure, Power, and Technology. Some Tales of Gender, Engineering, and the Cooperative Workplace. Sally Hacker, Unwin Hyman, Winchester, MA, 1989. xx, 188 pp. Paper, \$12.95. Perspectives on Gender, vol. 1.

Polymer Handbook. J. Brandrup and E. H. Immergut, Eds. 3rd ed. Wiley, New York, 1989. Various pagings. \$150.

Polymerase Chain Reaction. Henry R. Erlich, Richard Gibbs, and Haig H. Kazazian, Jr., Eds. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1989. xii, 243 pp., illus. Paper, \$22. Current Communications in Molecular Biology. From a conference, Cold Spring Harbor, NY, Dec. 1988.

Polymers in Aqueous Media. Performance Through Association. J. Edward Glass, Ed. American Chemical Society, Washington, DC, 1989. xiv, 575 pp., illus. \$99.95. Advances in Chemistry, vol. 223. From a symposium, New Orleans, LA, Aug.-Sept. 1987.

Power from Steam. A History of the Stationary Steam Engine. Richard L. Hills. Cambridge University Press, New York, 1989. xvi, 338 pp., illus. \$80.

Predators and Predation. The Struggle for Life in the Animal World. Pierre Pfeffer, Ed. Facts on File, New York, 1989. x, 419 pp. \$50. Translated from the French edition (Paris, 1985).

Prediction of Protein Structure and the Principles of Protein Conformation. Gerald D. Fasman, Ed. Plenum, New York, 1989. xiv, 798 pp., illus. \$95.

A Race on the Edge of Time. Radar—The Decisive Weapon of World War II. David E. Fisher. Paragon, New York, 1989. xii, 371 pp. + plates. Paper, \$14.95. Reprint, 1988 ed.

Recent Developments in Insect Neurohormones. Marie Raabe. Plenum, New York, 1989. xxii, 503 pp., illus. \$85.

Recollections of My Life. Santiago Ramón y Cajal. MIT Press, Cambridge, MA, 1989. xxvi, 638 pp., illus. Paper, \$16.95. Reprint, 1937 ed.

Red Panda Biology. A. R. Glatston, Ed. SPD, The Hague, 1989. xvi, 187 pp., illus. Paper, \$34. From a conference, Rotterdam, The Netherlands, Aug. 1987.

The Regulation of Proliferation and Differentiation in Normal and Neoplastic Cells. Emil Frei III, Ed. Academic Press, San Diego, CA, 1989. xx, 219 pp., illus. \$39.95. Bristol-Myers Cancer Symposia, vol. 10. From a symposium, Boston, MA, Dec. 1987.

Relativistic Fluid Dynamics. A. Anile and Y. Choquet-Bruhat, Eds. Springer-Verlag, New York, 1989. iv, 308 pp. Paper, \$28.60. Lecture Notes in Mathematics, vol. 1385. From a course, Noto, Italy, May-June 1987.

Relativistic Gravitation. R. D. Reasenberg and R. F. C. Vessot, Eds. Published for the Committee on Space Research by Pergamon, Elmsford, NY, 1989. vi, 158 pp., illus. Paper, \$70. Advances in Space Research, vol. 9, no. 9. From a meeting, Espoo, Finland, July 1988.

Remodelling Geography. Bill Macmillan, Ed. Basil Blackwell, Cambridge, MA, 1989. xx, 348 pp., illus. \$55. Based on a meeting, Oxford, U.K.

Remote Sensing of Atmosphere and Oceans. E. Raschke *et al.*, Eds. Published for the Committee on Space Research by Pergamon, Elmsford, NY, 1989. x, 474 pp., illus. Paper, \$70. Advances in Space Research, vol. 9, no. 7. From a meeting, Espoo, Finland, July 1988.

Robotics Science. Michael Brady, Ed. MIT, Cambridge, MA, 1989. x, 617 pp., illus. \$45. System Development Foundation Benchmark Series, vol. 1.

The Roots of Prosocial Development in Children. Nancy Eisenberg and Paul H. Mussen. Cambridge University Press, New York, 1989. viii, 195 pp. \$32.50; paper, \$9.95. Cambridge Studies in Social and Emotional Development.

Russian Psychology. A Critical History. David Joravsky. Basil Blackwell, Cambridge, MA, 1989. xxii, 583 pp. + plates. \$34.95.

Safety of the Nuclear Fuel Cycle. Klaus Ebert and Reinhard v. Ammon, Eds. VCH, New York, 1989. x, 348 pp., illus. \$128. Nuclear Fuel Cycle, vol. 4. Based on a seminar, Obertraun, Austria, March 1987.

Scheme and the Art of Programming. George Springer and Daniel P. Friedman. MIT, Cambridge, MA, and McGraw-Hill, New York, 1989. xxiv, 595 pp. \$39.95. MIT Electrical Engineering and Computer Science Series.

Seasonal Variability in Third World Agriculture. The Consequences for Food Security. David E. Sahn, Ed. Published for the International Food Policy Research Institute by Johns Hopkins University Press,

Baltimore, 1989. xiv, 366 pp. \$44.50. Based on a workshop, Annapolis, MD.

Seismic Tomography and Mantle Circulation. R. K. O'Nions and B. Parsons, Eds. Royal Society, London, 1989. viii, 152 pp., illus. £37.50. Reprinted from *Philosophical Transactions of the Royal Society of London A*, vol. 328 (1989). From a meeting, London, U.K., April 1988.

Selenium in Biology and Medicine. A. Wendel, Ed. Springer-Verlag, New York, 1989. xviii, 330 pp., illus. \$98. From a symposium, Tübingen, F.R.G., July 1988.

Some Mathematical Questions in Biology. Models in Population Biology. American Mathematical Society, Providence, RI, 1989. viii, 123 pp., illus. Paper, \$28. Lectures on Mathematics in the Life Sciences, vol. 20. From a symposium, Chicago, IL, Feb. 1987.

The Space Telescope. A Study of NASA, Science, Technology, and Politics. Robert W. Smith *et al.* Cambridge University Press, New York, 1989. xviii, 478 pp., illus. \$39.50.

Special Education in Context. An Ethnographic Study of Persons with Developmental Disabilities. John Joseph Gleason. Cambridge University Press, New York, 1989. x, 165 pp., illus. \$29.95.

Statistics. A Guide to the Use of Statistical Methods in the Physical Sciences. Roger Barlow. Wiley, New York, 1989. xvi, 204 pp., illus. \$36.95. The Manchester Physics Series.

Steroid Analysis in the Pharmaceutical Industry. Hormonal Steroids, Sterols, Vitamins D, Cardiac Glycosides. S. Görög, Ed. Horwood, Chichester, U.K., and Halsted (Wiley), New York, 1989. xii, 398 pp., illus. \$94.95. Ellis Horwood Series in Analytical Chemistry.

Stones. Their Collection, Identification, and Uses. R. V. Dietrich. 2nd ed. Geoscience Press, Prescott, AZ, 1989. xvi, 191 pp., illus. Paper, \$12.95.

Storm and Cloud Dynamics. William R. Cotton and Richard A. Anthes. Academic Press, San Diego, CA, 1989. xii, 880 pp., illus. \$149.95. International Geophysics Series, vol. 44.

Stress and Tension Control 3. Stress Management. F. J. McGuigan, Wesley E. Sime, and J. Macdonald Wallace, Eds. Plenum, New York, 1989. x, 288 pp., illus. \$65. From a conference, Edinburgh, Scotland, Aug.-Sept. 1988.

Structured Documents. J. Andre, R. Furuta, and V. Quint, Eds. Cambridge University Press, New York, 1989. viii, 220 pp., illus. \$49.50. Cambridge Series on Electronic Publishing, vol. 2. From a school, Aussois, France, Jan. 1987.

The Study of Instinct. N. Tinbergen. Clarendon (Oxford University Press), New York, 1989. xxii, 228 pp., illus. \$22.95. Reprint, 1969 ed.

Suicide. Closing the Exits. Ronald V. Clarke and David Lester. Springer-Verlag, New York, 1989. xii, 130 pp. \$35.

Sulphur-Containing Drugs and Related Organic Compounds. Vol. 2, part B, Analytical, Biochemical and Toxicological Aspects of Sulphur Xenobiochemistry. L. A. Damani, Ed. Horwood, Chichester, U.K., and Halsted (Wiley), New York, 1989. 175 pp. \$74.95. Ellis Horwood Series in Biochemical Pharmacology.

The Theory and Applications of Harmonic Integrals. W. V. D. Hodge. Cambridge University Press, New York, 1989. xiv, 284 pp. Paper, \$22.95. Cambridge Mathematical Library. Reprint, 1941 ed.

Thyrotropin-Releasing Hormone. Biomedical Significance. New York Academy of Sciences, New York, 1989. xviii, 631 pp., illus. \$158. Annals of the New York Academy of Sciences, vol. 553. From a conference, Bethesda, MD, Nov. 1987.

Time, Energy and Stone Tools. Robin Torrence, Ed. Cambridge University Press, New York, 1989. viii, 124 pp., illus. \$44.50. New Directions in Archaeology. Based on a meeting, Minneapolis, MN, 1982.

Time Resolved Spectroscopy. R. J. H. Clark and R. E. Hester, Eds. Wiley, New York, 1989. xxii, 406 pp., illus. \$207. Advances in Spectroscopy, vol. 18.

Toward an Aesthetic Criticism of Technology. Wolhee Choc. Lang, New York, 1989. x, 208 pp.

\$39.95. Worcester Polytechnic Institute Studies in Science, Technology, and Culture, vol. 2.

Understanding Human Evolution. Frank E. Poirier. 2nd ed. Prentice Hall, Englewood Cliffs, NJ, 1990. x, 356 pp., illus. Paper, \$24.

Unsteady Transonic Flow. Marten T. Landahl. Cambridge University Press, New York, 1989. x, 134 pp., illus. Paper, \$17.95. Cambridge Science Classics. Reprint, 1961 ed.

Useful Plants of Neotropical Origin and Their Wild Relatives. Heinz Brücher. Springer-Verlag, New York, 1989. x, 296 pp., illus. \$98.

User Models in Dialog Systems. Alfred Kobsa and Wolfgang Wahlster, Eds. Springer-Verlag, New York, 1989. xii, 471 pp., illus. \$79. Symbolic Computation. Based on a workshop, Maria Laach, F.R.G., 1986.

The Uses of Experiment. Studies in the Natural Sciences. David Gooding, Trevor Pinch, and Simon Schaffer, Eds. Cambridge University Press, New York, 1989. xviii, 481 pp., illus. \$80.

Vasomotion and Flow Modulation in the Microcirculation. Marcos Intaglietta, Ed. Karger, Basel, 1989. viii, 102 pp., illus. \$52. Progress in Applied Microcirculation, vol. 15. From a meeting in Las Vegas, NV, April 1988.

Vertebrate Endocrinology. Vol. 3, Regulation of Calcium and Phosphate. Peter K. T. Pang and Martin P. Schreibman, Eds. Academic Press, San Diego, CA, 1989. xvi, 365 pp., illus. \$120.

The Vibrational Spectroscopy of Polymers. D. I. Bower and W. F. Maddams. Cambridge University Press, New York, 1989. xiv, 326 pp., illus. \$89.50. Cambridge Solid State Science Series.

The Volterra and Wiener Theories of Non-Linear Systems. Martin Schetzen. Krieger, Malabar, FL, 1989. xviii, 573 pp., illus. \$55. Reprint, 1980 ed.

X-Ray Spectra and Chemical Bonding. A. Meisel, G. Leonhardt, and R. Szargan. Springer-Verlag, New York, 1989. viii, 458 pp., illus. \$113. Springer Series in Chemical Physics, vol. 37.

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