

BOOKS RECEIVED

Mathematics

- BERGER, J. O. *Statistical Decision Theory. Foundations, Concepts and Methods.* Pp.425. ISBN 3-540-90471-9. (Springer-Verlag: 1980.) DM 45, \$26.60.
- HELLEMAN, R. H. G. (ed.). *Nonlinear Dynamics. Annals of the New York Academy of Sciences, Vol.347.* Pp.505. Hbk ISBN 0-89766-103-6; pbk ISBN 0-89766-104-4. (The New York Academy of Sciences, New York: 1980.) Hbk \$98; pbk np.
- NICKEL, K. L. E. (ed.). *Interval Mathematics 1980. Proceedings of an International Symposium held at the Institut für Angewandte Mathematik Universität Freiburg i, Br., Germany, May 1980.* Pp.554. ISBN 0-12-518850-1. (Academic: 1980.) \$29.50.
- PLUMPTON, C. and MACILWAINE, P. S. W. *New Tertiary Mathematics. Vol.1; Part 1, Pure Mathematics: The Core.* Pp.401. Hbk ISBN 0-08-025031-9; flexi ISBN 0-08-021643. (Pergamon: 1981) Hbk £12.50; flexi £5.
- PLUMPTON, C. and MACILWAINE, P. S. W. *New Tertiary Mathematics. Vol.1; Part 2, Basic Applied Mathematics.* Pp.229. Hbk ISBN 0-06-025035-1; flexi ISBN 0-08-021645-5. (Pergamon: 1981.) Hbk £12.50; flexi £5.
- PLUMPTON, C. and MACILWAINE, P. S. W. *New Tertiary Mathematics. Vol.2; Part 1, Further Pure Mathematics.* Pp.804. Hbk ISBN 0-08-025033-5; flexi ISBN 0-08-021644-7. (Pergamon: 1981.) Hbk £17.40; flexi £5.
- ROGERS, C. A. *et al.* *Analytic Sets. Developed from Lectures given at the London Mathematical Society Instructional Conference on Analytic Sets, University College London, July 1978.* Pp.495. ISBN 0-12-593150-6. (Academic: 1980.) £48, \$110.50.
- ZACKS, S. *Parametric Statistical Inference. Basic Theory and Modern Approaches. International Series in Nonlinear Mathematics: Theory, Methods and Applications, Vol.4.* Pp.387. (Pergamon: 1981.) £20, \$48.

Physics

- BORN, M. and WOLF, E. *Principle of Optics. Electromagnetic Theory of Propagation, Interference and Diffraction of Light. 6th Edn.* Pp.808. Hbk ISBN 0-08-026482-4; flexi ISBN 0-08-026481-6. (Pergamon: 1980.) Hbk np; flexi £12.
- FERRARI, E. and VIOLINI, G. (eds). *Low and Intermediate Energy Kaon-Nucleon Physics. Proceedings of the Workshop, Institute of Physics of the University of Rome, March 1980.* Pp.428. ISBN 90-277-1183-6 (Reidel: 1981.) Dfl.100.
- GRIFFITHS, D. J. *Introduction to Electrodynamics.* Pp.479. ISBN 0-13-481374-4. (Prentice/Hall International: 1981.) £15.55.
- MAHAN, G. D. *Many-Particle Physics. Physics of Solids and Liquids.* Pp.1003. ISBN 0-306-40411-7. (Plenum: 1981.) \$85.
- MULLER, K. A. and THOMAS, H. (eds). *Structural Phase Transitions I. Topics in Current Physics, Vol.23.* Pp.190. ISBN 3-540-10329-5. (Springer-Verlag: 1981.) DM 50, \$29.50.
- PERSONICK, S. D. *Optical Fiber Transmission Systems. Applications of Communications Theory Series.* Pp.179. ISBN 0-306-40580-6. (Plenum: 1981.) Np.
- RAMOND, P. *Field Theory. A Modern Primer. Frontiers in Physics, No.51.* Pp.397. Hbk ISBN 0-8053-7892-8; pbk ISBN 0-8053-7893-6. (Benjamin/Cummings, Menlo Park, California: 1981.) Hbk \$26.50; pbk \$14.50.
- RAPP, D. *Solar Energy.* Pp.516. ISBN 0-13-822213-4. (Prentice/Hall: 1981.) \$32.
- SAXENA, S. C. and JOSHI, R. K. *Thermal Accommodation and Adsorption Coefficients of Gases. McGraw-Hill/CINDAS Data Series on Material Properties, Vol.11-1.* Pp.412. ISBN 0-07-065031-4. (McGraw-Hill: 1981.) Np.
- SOBELMAN, I. I., VAINSHTEIN, L. A. and YUKOV, E. A. *Excitation of Atoms and Broadening of Spectral Lines.* Pp.328. ISBN 3-540-09890-9. (Springer: 1981.) DM 75, \$44.30.

Chemistry

- BRADY, J. E. and HOLUM, J. R. *Study Guide. Fundamentals of Chemistry.* Pp.396. Flexi ISBN 0-471-05817-3. (Wiley: 1981.) Np.
- DENBIGH, K. *The Principles of Chemical Equilibrium. With Applications in Chemistry and Chemical Engineering. 4th Edn.* Pp.494. Hbk ISBN 0-521-23682-7; pbk ISBN 0-521-28150-4. (Cambridge University Press: 1981.) Hbk £22; pbk £8.95.
- ENGLMAN, R. *et al.* *Bonding Problems. Structure and Bonding, Vol.43.* Pp.220. ISBN 3-540-10407-0. (Springer-Verlag: 1981.) DM 98, \$57.90.
- INMAN, D. and LOVERING, D. G. (eds). *Ionic Liquids.* Pp.450. ISBN 0-306-40412-5. (Plenum: 1981.) \$49.50.
- ISAACS, N. S. *Liquid Phase High Pressure Chemistry.* Pp.414. ISBN 0-471-27849-1. (Wiley: 1981.) Np.
- KATRITZKY, A. R. and BOULTON, A. J. (eds). *Advances in Heterocyclic Chemistry, Vol.27.* Pp.331. ISBN 0-12-020627-7. (Academic: 1981.) \$49.50.
- LOWDIN, P.-O. *Advances in Quantum Chemistry, Vol.12.* Pp.325. ISBN 0-12-034812-8. (Academic: 1980.) \$48.
- McGUIRE, S. Y. *Study Guide for Chemistry. An Introduction to General, Organic and Biological Chemistry.* Pp.307. Pbk ISBN 0-7167-1314-4. (W. H. Freeman: 1981.) \$7.95.
- MEITES, L. *An Introduction to Chemical Equilibrium and Kinetics. Pergamon Series in Analytical chemistry, Vol.1.* Pp.549. Hbk ISBN 0-08-023802-5; flexi ISBN 0-08-023803-3. (Pergamon: 1981.) Hbk £31, \$75; flexi £8.95, \$19.95.

- MIDDLEDITCH, B. S. MISSLER, S. R. and HINES, H. B. *Mass Spectrometry of Priority Pollutants.* Pp.308. ISBN 0-306-40505-9. (Plenum: 1981.) Np.
- PAMPLIN, B.R. (ed.) *Progress in Crystal Growth and Characterization, Vol.2.* Pp.414. ISBN 0-08-026040-3. (Pergamon: 1981.) £49, \$112.50.
- PATAKI, L. and ZAPP, E. *Basic Analytical Chemistry. Pergamon Series in Analytical Chemistry, Vol.2.* Pp.475. ISBN 0-08-023850-5. (Pergamon: 1980.) £15.50, \$35.
- QUIN, L. D. *The Heterocyclic Chemistry of Phosphorus: Systems Based on the Phosphorus-Carbon Bond.* Pp.434. ISBN 0-471-06461-0. (Wiley: 1981.) £27.05, \$59.50.
- RICHTERICH, R. and COLOMBO, J. P. *Clinical Chemistry. Theory, Practice, and Interpretation.* Pp.766. ISBN 0-471-278092. (Wiley: 1981.) £31.50, \$94.50.
- SMITH, R. and JAMES, G. V. *The Sampling of Bulk Materials.* Pp.191. ISBN 0-85186-810-X. (The Royal Society of Chemistry, London: 1981.) £16.50.
- STEINFELD, J. I. (ed.). *Laser-Induced Chemical Processes.* Pp.273. ISBN 0-306-40587-3. (Plenum: 1981.) Np.
- WIDOM, J. M. and EDELSTEIN, S. J. *Chemistry. An Introduction to General, Organic, and Biological Chemistry.* Pp.740. ISBN 0-7167-1224-5. (W. H. Freeman: 1981.) \$22.95.
- ZAHRADNIK, R. and POLAK, R. *Elements of Quantum Chemistry.* Pp.462. ISBN 0-306-31093-7. (Plenum: 1980.) \$29.50.

Technology

- CLARK, A. F. and REED, R. P. (ed). *Advances in Cryogenic Engineering Materials Vol.26. Proceedings of the 3rd International Conference, the 1979 Cryogenic Engineering Conference, held at the University of Madison, Wisconsin, August 1979.* Pp.703. ISBN 0-306-40531-8. (Plenum: 1980.) \$59.
- DE SA, A. *Principles of Electronic Instrumentation.* Pp.280. ISBN 0-7131-2799-6. (Edward Arnold, London: 1981.) \$9.50.
- POLLOCK, J. R. A. (ed.) *Brewing Science, Vol.2.* Pp.628. ISBN 12-561002-5. (Academic: 1981.) £41, \$98.50.

Earth Sciences

- DAVIES, P. A. and RUNCORN, S. K. (eds). *Mechanisms of Continental Drift and Plate Tectonics. Proceedings of a NATO Advanced Study Institute held at the University of Newcastle upon Tyne, March-April, 1979.* Pp.362. ISBN 0-12-206160-8. (Academic: 1981.) £30 \$72.
- ELDER, J. *Geothermal Systems.* Pp.508. ISBN 0-12-236450-3. (Academic: 1981.) £20.60, \$49.50.
- GRIFFITHS, D. H. and KING, R. F. *Applied Geophysics for Geologists and Engineers: The Elements of Geophysical Prospecting. (A 2nd Edn. of Applied Geophysics for Engineers and Geologists.)* Pp.230. Hbk ISBN 0-08-022071-1; flexi ISBN 0-08-02272-X. (Pergamon: 1981.) Hbk £11, \$25; flexi £5.30, \$12.
- PANAYIOTOU, A. (ed.). *Ophiolites. Proceedings International Ophiolite Symposium, Cyprus 1979.* Pp.781. (Republic of Cyprus Ministry of Agriculture and National Resources Geological Survey Department: 1980.) £15.
- TUCKER, M. E. *Sedimentary Petrology. An Introduction. Geoscience Texts, Vol.3.* Pp.252. Flexi ISBN 0-632-00072-0. (Blackwell Scientific: 1981.) £8.50.

Biological Sciences

- ADLERCREUTZ, H. *et al.* (eds). *Endocrinological Cancer Ovarian Function and Disease. Research on Steroids, Vol.IX.* Pp. 400. ISBN 90-219-0444-6. (Excerpta Medica, Amsterdam: 1981.) \$78, Dfl.160.
- ANGELINI, C., DANIELI, G. A. and FONTANARI, D. (eds). *Muscular Dystrophy Research: Advances and New Trends. Proceedings of an International Symposium, Venice, Italy, April 1980.* Pp.332. ISBN 90-219-0453-5. (Excerpta Medica, Amsterdam: 1980.) \$68.25, Dfl.140.
- APPLEWHITE, P. B. *Molecular Gods. How Molecules Determine our Behaviour.* Pp.262. ISBN 0-13-599530-2. (Prentice-Hall: 1981.) \$10.95.
- BACH, F. H. and GOOD, R. A. (eds). *Clinical Immunobiology, Vol.4.* Pp.198. ISBN 0-12-070004-2. (Academic: 1980.) \$19.50.
- BHASKARAN, G., FRIEDMAN, S. and RODRIGUEZ, J. G. (eds). *Current Topics in Insect Endocrinology and Nutrition. Proceedings of the Symposium honouring Gottfried S. Fraenkel, the Entomological Society of America, November 1979, Denver, Colorado.* Pp.362. ISBN 0-306-40621-7. (Plenum: 1981.) \$29.50.
- BOLAND, D. J. *et al.* *Eucalyptus Seed.* Pp.191. ISBN 0-643-02586-3. (Division of Forest Research, CSIRO, Canberra, Australia: 1980.) \$18.
- GILLESPIE, J. H. and TIMONEY, J. F. *Hagan and Bruner's Infectious diseases of Domestic Animals. With Reference to Etiology, Pathogenicity, Immunity, Epidemiology, Diagnosis, and Biologic Therapy. 7th Edn.* Pp.851. ISBN 0-8014-1333-8. (Cornell University Press: 1981.) \$39.50.
- GLOVER, D. M. *Genetic Engineering Cloning DNA.* Pp.78. Flexi ISBN 0-412-16170-2. (Chapman & Hall: 1980.) £2.45.
- GOLDSPINK, D. F. (ed.) *Development and Specialization of Skeletal Muscle.* Pp.155. Hbk ISBN 0-521-23317-8; pbk ISBN 0-521-29907-1. (Cambridge University Press: 1981.) Hbk £18, pbk £8.95.
- GOODERS, J. *The Bird Seeker's Guide.* Pp.208. Pbk ISBN 0-233-97297-8; pbk ISBN 0-233-97380-X. (André Deutsch: 1981.) Hbk £6.95; Np.
- HARRIS, E. and HARRIS, J. *The Guinness Book of Trees. Britain's Natural Heritage.* Pp.160. ISBN 0-85112-303-1. (Guinness Superlatives, Enfield, Middlesex: 1981.) £4.50.