

BOOKS RECEIVED

Mathematics

- KURATOWSKI, K. *A Half Century of Polish Mathematics. Remembrances and Reflections.* International Series in Pure and Applied Mathematics volume 108. Pp. viii + 204. ISBN-0-08-023046-6. (Oxford, New York, Toronto, Sydney, Paris, Frankfurt: Pergamon Press, 1980.) £22.00/£10.00.
- PAN-IAI-LIU, (ed.) *Dynamic Optimization and Mathematical Economics.* Mathematical Concepts and Methods in Science and Engineering-19. Pp. x + 269. ISBN-0-306-40245-9. (New York and London: Plenum Press, 1980.) £29.50.
- WILSON, R. J. and BEINEKE, L. W. (eds) *Applications of Mathematical Graph Theory.* Pp. xii + 423. ISBN-0-12-757840-4. (London, New York, San Francisco: Academic Press, 1979.) £18.50/\$39.00.

Astronomy

- ADAMS, D. J. *Cosmic X-ray Astronomy. Monographs on Astronomical Subjects 6.* Pp. 150. ISBN-0-85274-374-2. (Adam Hilger: Bristol, 1980).
- AKASOFU, S.-I. (ed.) *Dynamics of the Magnetosphere. Proceedings of the A.G.U. Chapman Conference held at Los Alamos Astronomy Scientific Laboratory. Astrophysics and Space Science Library 78.* Pp. xi + 655. ISBN-0-97-277-1052-X. (Dordrecht, Boston, London: D. Reidel Publishing Company, 1979.) Dfl. 130 US \$68.50.
- AUDOUZE, J. and VAUCLAIR, S. *An Introduction to Nuclear Astrophysics. The Formation and the Evolution of Matter in the Universe. Geophysics and Astrophysics Monographs 18.* Pp. xx + 164. ISBN-90-277-1012-0. Hardback ISBN-90-277-1053-8 flexi. (Dordrecht, Boston, London: D. Reidel Publishing Company 1979.) Dfl 75 US\$39.50 hardback.
- DAVIES, D. R. and HOPWOOD, D. A. (eds.) *The Plant Genome: Forth John Innes Symposium and Second International Haploid Conference.* Pp. 273. ISBN-0-9506844-0-6. (John Innes Charity: Norwich, 1980.) £7.00.
- DAVIES, P. *Other Worlds: Space, Superspace and the Quantum Universe.* Pp. 207. ISBN-0-460-04400-1. (J.M. Dent: London, Toronto and Melbourne, 1980.) £7.50.
- FELDMAN, D. H. *Beyond Universals in Cognitive Development. PATH series.* Pp. xx + 204. ISBN-0-89391-025-5. (New Jersey: Ablex Publishing Corporation, 1980.) \$17.50.
- SOLOMON, P. M. and EDMUNDS, M. G. (eds.) *Giant Molecular Clouds in the Galaxy. Third Greynog Astrophysics Workshop.* Pp. xiii + 344. ISBN-0-08-023068-7. (Oxford, New York: Pergamon, 1980.) £18.00/\$41.00.
- WHYTE, A. J. *The Planet Pluto.* Pp. 158. ISBN-0-08-024648-6. (Pergamon: Oxford, 1980.) \$17.50.

Physics

- BABIC, V. M. and KIRPICNIKOVA, N. Y. *The Boundary-Layer Method in Diffraction Problems.* Springer Series in Electrophysics Volume 3. Pp. vi + 140. ISBN-3-540-09605-1. (Berlin, Heidelberg, New York: Springer-Verlag, 1979.) DM 39.50 approx. US \$21.80.
- BRAUNLICH, P. (ed.) *Thermally Stimulated Relaxation in Solids. Topics in Applied Physics Volume 37.* Pp. xiii + 331. ISBN-3-540-09595-0. (Berlin, Heidelberg, New York: Springer-Verlag, 1979.) DM 98 approx. US \$54.90.
- BURSTEIN, E. and KAWAMURA, H. (eds) *Inelastic Light Scattering. Proceedings of the 1979 US-Japan Seminar held at Santa Monica, California, USA, January, 1979.* Pp. vii + 109. ISBN-0-08-025425-X. (Oxford, New York: Pergamon Press, 1979.) \$20.00/£9.00.
- CIANCOLI, Douglas C. *Physics: Principles with Applications.* Pp. 805. ISBN-0-13-672600-3. (Prentice-Hall International: Hemel Hempstead, 1980.) £12.95.
- GUNTHER, H. *NMR Spectroscopy: An Introduction.* Pp. 436. ISBN-0-471-27579-4. (John Wiley & Sons: Chichester, 1980.) Pbk. £7.95.
- HARRISON, W. A. *Electronic Structure and the Properties of Solids: The Physics of the Chemical Bond.* Pp. 582. ISBN-0-7167-1000-5. (Freeman: Oxford, 1980.) £16.30.
- IRIBARNE, J. V. and CHO, H. R. *Atmosphere Physics.* Pp. 212. ISBN-90-277-1033-3. (D. Reidel: Dordrecht, Boston and London, 1980.) Dfl. 40.00; \$15.95.
- KITTEL, C. and KROEMER, H. *Thermal Physics. 2nd Ed.* ISBN-0-7167-1088-9. (Freeman: Reading, 1980.) £10.80.
- KOLLMAN, W. (ed.) *Computational Fluid Dynamics.* Pp. 612. ISBN-0-89116-171-6. (Hemisphere: Washington, 1980.) \$55.00.
- KOLLMANN, N. (ed.) *Prediction Methods for Turbulent Flows.* Pp. 467. ISBN-0-89116-178-3. (Hemisphere: Washington, New York, and London, 1980.) \$47.50.
- SINGER, T. P., VON-KORFF, R. W. and MURPHY, D. L. (eds) *Monoamine Oxidase: Structure, Function, and Altered Functions.* Pp. 557. ISBN-0-12-646880-X. (Academic: New York and London, 1980.) \$39.00.

Chemistry

- CADOGAN, J. I. G. (ed.) *Organophosphorus Reagents in Organic Synthesis.* Pp. 603. ISBN-0-12-154350-1. (Academic: London and New York, 1980.) £38.00/\$89.50.
- CANTOR, C. R. and SCHIMMEL, P. R. *Biophysical Chemistry: Part 1. The Conformation of Biological Macromolecules.* Pp. 503. ISBN-0-7167-1042-0. (Freeman: California, 1980.) \$35.00 Board; \$19.50 Pbk.
- COOK, T. M. and CULLEN, D. J. *Chemical Plant and its Operation. (including Safety and Health Aspects.) A Manual for Chemical Operators, Process Workers, Plant Technicians and Maintenance Staff in the Chemical and Allied Products Industries. Second SI Edition.* Pp. ix + 173. ISBN-0-08-023813-0. ISBN-0-08-023812-2 hardback. (Oxford, New York, Toronto, Sydney, Paris, Frankfurt: Pergamon Press, 1980.) £3.50 \$7.95 flexi £6.50 \$16.50 hardback.
- FLURRY, R. L. Jr. *Symmetry Groups: Theory and Chemical Applications.* Pp. 356. ISBN-0-13-880013-8. (Prentice-Hall: Hemel Hempstead, 1980.) £17.25; £35.80.
- HOBZA, P. and ZAHRADNIK, R. *Weak Intermolecular Interactions in Chemistry and Biology. Studies in Physical and Theoretical Chemistry 3.* Pp. viii + 346. ISBN-0-444-99785-7. (Amsterdam, Oxford, New York: Elsevier Scientific Publishing Company, 1980.) \$48.75 Dfl. 100.00.
- SILCOCK, H. L. (ed.) *Solubilities of Inorganic and Organic Compounds. Volume 3. Ternary and Multicomponent Systems of Inorganic Substances. Part 1 Pp. iv + 943 Part 2 Pp. iv + 1170 Part 3 Pp. iv + 1208.* ISBN-023570-0 Vol. 3. ISBN-0-08-023599-9 3 vol. set. (Oxford, New York, Toronto, Sydney, Paris, Frankfurt: Pergamon Press, 1970.) £275.00 \$595.00; 3 vol. set £475.00 \$990.00.

Technology

- BISWAS, A. K. and DAVENPORT, W. G. *Extractive Metallurgy of Copper. 2nd Ed.* International Series on Materials Science and Technology Vol. 32. Pp. 438. (ISBN-0-08-0240735 (Pergamon: Oxford, 1980.) Flexi \$20.00; £10.00 Hardback \$50.00; £25.00.
- CAD'80 *Proceedings of 4th International Conference on Computers in Design Engineering.* Pp. xiv + 774. ISBN-0-86103-026-5. (IPC Science and Technology Press: Guildford, Surrey, 1980.) £22.50.
- CASH, J. R. *Stable Recursions: with Applications to the Numerical Solution of Stiff Systems.* Pp. 223. ISBN-0-12-163050-1 (Academic: London and New York, 1980.) £15.00; \$34.50.
- CHALMERS UNIVERSITY OF TECHNOLOGY. *First Symposium on Wave Energy Utilization. 30th October-1st November.* Pp. 556. (Chalmers University of Technology: Gottenburg, 1979.) ISBN 91-7032-002-0.

CONNOR, F. R. *Electronic Devices. Introductory Topics in Electronics and Telecommunication.* Pp. ix + 121. ISBN-0-7131-3413-5. (London: Edward Arnold (Publishers) Ltd, 1980.) £3.95 flexi.

DAVIDSON, F. P., MEADOR, C. L. and SALKELD, R. (eds.) *How Big and Still Beautiful? Macro-Engineering Revisited. AAAS Selected Symposia Series.* Pp. xxvii + 383. ISBN-0-89158-792-6. (Boulder, Colorado: Westview Press, 1980.) \$28.50.

DIXON, A. E. and LESLIE, J. D. (eds.) *Solar Energy Conversion. An Introductory Course. Selected Lectures from the 5th Course on Solar Energy Conversion, University of Waterloo, Ontario, Canada.* Pp. xi + 1312. ISBN-0-08-024744-X. (Toronto, Oxford: Pergamon Press, 1979.) \$60.00/£30.00.

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GOODMAN, G. T. and ROWE, W. D. *Energy Risk Management.* Pp. 351. ISBN-0-12-289680-7. (Academic: London and New York, 1979.) £14.80; £34.50.

HIGWOOD, R. W. *Equilibrium Thermodynamics for Engineers and Scientists.* Pp. 450. ISBN-0-471-27630-8. (John Wiley & Sons: Chichester, 1980.) £7.95 pbk; £20.00; \$50.00 Cloth.

MANDL, C. *Applied Network Optimization.* Pp. 175. ISBN-0-12-468350-9. (Academic: London and New York, 1980.) £11.80; \$27.50.

MILLER, S. E. and CHYNOWETH, A. G. (eds) *Optical Fiber Telecommunications.* Pp. xv + 705. ISBN-0-12-497350-7. (New York, San Francisco, London: Academic Press, 1979.) \$48.50.

MOO-YOUNG, M. and FARQUHAR, G. J. (eds.) *Waste Treatment and Utilization. Theory and Practice of Waste Management. Proceedings of the International Symposium held at the University of Waterloo, Canada, July 5-7, 1978.* Pp. vii + 565. ISBN-08-023831-9. (Oxford, New York, Toronto, Sydney, Paris, Frankfurt: Pergamon Press, 1979.) £32.00/\$70.00.

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PAVITT, K. (ed.) *Technical Innovation and British Economic Performance: A Science Policy Research Unit Book.* Pp. 353. ISBN-0-333-262255 (Macmillan: London, 1980.) £20.00.

Earth sciences

- ANDERSON, B. W. *Gem Testing.* Pp. xii + 434. ISBN-0-408-00440-1. (London, Boston, Sydney, Wellington, Durban, Toronto: The Butterworth Group, 1980.) £12.00.
- BERGER, R. and SUSS, H. E. (eds.) *Radiocarbon Dating: Proceedings of the Ninth International Conference Los Angeles and La Jolla 1976.* Pp. 787. ISBN-0-520-03680-8 (University of California Press: Berkeley, Los Angeles and London, 1980.) £33.00; \$68.75.

Biology

- BARKER, K. R. and BRELAND, O. P. *A Laboratory Manual of Comparative Anatomy.* McGraw-Hill Series in Organismic Biology. Pp. viii + 199. ISBN-0-07-003656-X. (Hightstown, New Jersey: McGraw-Hill Book Company, 1980.) flexi.
- BARLOW, N. D. and DIXON, A. F. G. *Simulation of Lime Aphid Population Dynamics: Simulation Monographs.* Pp. 165. ISBN-90-220-0706-5 (Centre for Agriculture Publishing and Documentation: Wageningen, The Netherlands, 1980.) Dfl. 35.00.
- BATT, R. A. L. *Influences on Animal Growth and Development. Studies in Biology no. 116.* Pp. 60. ISBN-0-7131-2769-4. (Edward Arnold: London, 1980.) £2.40.
- BECK, J. S. *Biomembranes: Fundamentals in Relation to Human Biology.* Pp. 172. ISBN-07-004263-2. (Hemisphere: Washington, 1980.) \$19.95.
- BERNHARDT, D., FUKAREK, F., GUNTHER, E. and KAMPFE, L. *Evolution and Stammesgeschichte der Organismen.* Pp. 411. Bestellnummer-532-957-1. (Jena: VFB Gustav Fischer Verlag, 1980.) DDR 23.00M. Flexi.
- BOTHWELL, T. H., CHIARI, TON, R. W., COOK, J. D. and FINCH, C. A. *Iron Metabolism in Man.* Pp. xi + 576. ISBN-0-632-00233-9 (Oxford, London, Edinburgh, Melbourne: Blackwell Scientific Publications, 1979.)
- BOULLIN, D. J. *Cerebral Vasospasm. Neurosciences series.* Pp. ix + 337. ISBN-0-471-27639-1. (Chichester, New York, Brisbane, Toronto: John Wiley & Sons, 1980.) £15.00.
- OGDEN, C. G. and HEDLEY, R. H. *An Atlas of Freshwater Testate Amoeba.* Pp. 222. ISBN-0-19-858502-0. (Oxford University Press: Oxford, 1980.) £17.50.
- PEPE, F. A., SANGER, J. W. and NACHMIAS, V. T. (eds) *Motility in Cell Function. Proceedings of the First John M. Marshall Symposium in Cell Biology.* Pp. xxvi + 479. ISBN-0-12-551750-5. (New York, London, Toronto, Sydney, San Francisco: Academic Press, 1979.) \$28.50.
- PEPEU, G., KUHAM, M. J. and ENNA, S. J. *Receptors for Neurotransmitters and Peptide Hormones: Advances in Biochemical Psychopharmacology. Vol. 21.* Pp. 516. ISBN-0-89004-408-2. (Raven: New York, 1980.) \$48.00.
- PHILLIPS, R. D., GILLIS, M. F., KAUNE, W. T. and MAHLUM, D. D. (eds) *Biological Effects of Extremely Low Frequency Electromagnetic Fields. Proceedings of the Eighteenth Annual Hanford Life Sciences Symposium at Richland, Washington, October, 1978.* Pp. xiv + 577. (Tennessee: Technical Information Center, U.S. Department of Energy, 1979.) \$10.50. pbk. (Available from National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia.)

History of science

- COHEN, R. S. and STACHEL, J. J. (eds) *Selected Papers of Leon Rosentfeld: Boston Studies in the Philosophy of Science Vol. XXI.* Pp. 929. ISBN-90-277-0651-41 (D. Reidel: Dordrecht, 1979.) Dfl. 185.00; US \$75.00 Paperback Dfl. 70.00; US \$28.50.
- DIMSDALE, J. E. (ed.) *Survivors, Victims, and Perpetrators: Essays on the Nazi Holocaust.* Pp. 474. ISBN-0-89116-145-7. (Hemisphere: Washington, 1980.) \$19.50.
- SIMPSON, G. G. *Splendid Isolation: The Curious History of South American Mammals.* Pp. 266. ISBN-0-300-02434-7. (Yale University Press: New Haven and London, 1980.) £11.00.
- LAUGHLIN, W. S. and HARPER, A. B. *The First Americans: Origins, Affinities and Adaptations.* Pp. 340. ISBN 437-30295. (Gustav Fischer: New York and Stuttgart, 1980.) £14.00.
- LINDZEY, G. (ed.) *A History of Psychology in Autobiography. Vol. VII.* Pp. 472. ISBN-0-7167-1120. (Freeman: Oxford, 1980.) £8.10 Pbk, £13.30 Board.
- PACT: *A Specialist Seminar on Thermoluminescence Dating: Oxford Laboratory for Archaeology and the History of Art July 1978.* Pp. 509. ISBN-2-8017-0226-2 (Council of Europe Parliamentary Assembly: Strasbourg 1980.) Vols 2.
- RUSSELL, B. *Political Ideals.* Pp. 80. ISBN-0-04-320120-2. (Unwin Paperbacks: London, 1980.) £1.50 Pbk.
- SCHREIBER, H. G. *The Philosophy of Life and the Universe.* Pp. xii + 169. ISBN-533-03232-6. (New York, Washington, Atlanta, Los Angeles, Chicago: Vantage Press, 1980.) \$6.50.