

new books

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Springer-Verlag, New York, 1985. DM 94.00. *Text*

Elements of Modern Optical Design. D.C. O'Shea. 402 pp. Wiley, New York, 1985. \$39.95. *Text*

Fiber Optics: Technology and Applications. S.D. Personick. 257 pp. Plenum, New York, 1985. \$45.00. *Text*

Holography and Deformation Analysis. Springer Series in Optical Sciences 46. W. Schumann, J.-P. Zürcher, D. Cuche. 234 pp. Springer-Verlag, New York, 1985. \$44.00. *Text*

Optical Bistability: Controlling Light with Light. H.M. Gibbs. 471 pp. Academic, New York, 1985. \$34.95. *Monograph*

White-Light Optical Signal Processing. F.T.S. Yu. 316 pp. Wiley, New York, 1985. \$44.95. *Monograph*

Applied Classical Electrodynamics, Vol. 1: Linear Optics. F.A. Hopf, G.I. Stegeman. 262 pp. Wiley, New York, 1985. \$29.95. *Text*

Theory and Mathematical Physics

An Introduction to Chaotic Dynamical Systems. R.L. Devaney. 320 pp. Benjamin/Cummings, Menlo Park, Cal., 1986. \$29.95. *Text*

Classical and Quantum Field Theory of Exactly Soluble Nonlinear Systems. P. Garbaczewski. 280 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1984. \$37.00. *Monograph*

Elements of Quantum Mechanics of Infinite Systems. International School for Advanced Studies Lecture Series 3. F. Strocchi. 179 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$19.00. *Text*

Handbook of Stochastic Methods for Physics, Chemistry and the Natural Sciences. Second edition. C.W. Gardiner. 442 pp. Springer-Verlag, New York, 1985. \$39.50

Introduction to Quantum Mechanics. L. Pauling, E.B. Wilson Jr. 468 pp. Dover, New York, 1985. \$9.95. *Reprint*

Miscellaneous

Complex Systems—Operational Approaches in Neurobiology, Physics, and Computers. Proc. Int. Symp., Schloss Elmau, Bavaria, May 1985. H. Haken, ed. 365 pp. Springer-Verlag, New York, 1985. \$39.00

Elements of the Scientific Paper: A Step-by-Step Guide For Students and Professionals. M.J. Katz. 130 pp. Yale U.P., New Haven, 1986. \$20.00 cloth; \$6.95 paper

Nemesis: The Death-Star and Other Theories of Mass Extinction. D. Goldsmith. 166 pp. Walker, New York, 1985. \$15.95. *Lay readers*

Physics and Contemporary Needs, Vol. 7. Proc. Int. Sum. College, Islamabad, July-August 1982. M.N. Qazi, ed. 400 pp. World

Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1984. \$46.00

The Fifth Generation Computer. The Japanese Challenge. T. Moto-oka, M. Kit-suregawa. 122 pp. Wiley, New York, 1985. \$17.95

The Science and Praxis of Complexity. Proc. Symp., Montpellier, France, May 1984. 384 pp. United Nations U., Tokyo, 1985. *Price not stated*

Proceedings of the First Asia-Pacific Physics Conference Singapore 1983. (2 Vols.) A. Arima, C.K. Chew, T. Ninomiya,

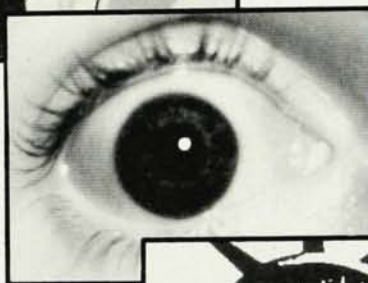
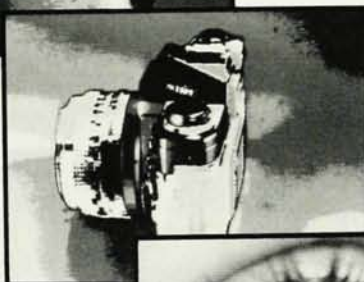
P. P. Ong, K. K. Phua, K. L. Tan, eds. 1622 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$97.00

McGraw-Hill Dictionary of Physics. S. P. Parker, ed. 646 pp. McGraw-Hill, New York, 1984. \$15.95

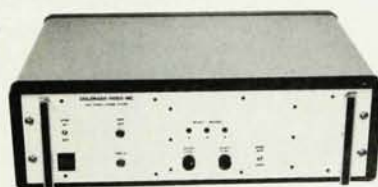
McGraw-Hill Dictionary of Biology. S. P. Parker, ed. 384 pp. McGraw-Hill, New York, 1984. \$15.95

McGraw-Hill Dictionary of Chemical Terms. S. P. Parker, ed. 470 pp. McGraw-Hill, New York, 1985. \$15.95 □

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