

in the context of visual-system plasticity. This chapter is, in a sense, the culmination of the book, since it describes the pruning, stabilization, and reorganization of a neural circuit and proposes how this might occur through the action of glutamate receptors.

The field of glutamate receptors is advancing with great momentum. Recent as this book is, the subject material, if drawn together now, might have different content. In the near future, one should expect books like this to have more emphasis on advances in the molecular and protein chemical structure of the receptor, the regulation of receptor function and expression, and the role of nitric oxide in synaptic plasticity. Regarding systems, future collections might describe information transmitted through glutamatergic circuits and the ways in which biophysical properties of receptors shape this communication. Nevertheless, this book is a timely and intelligent overview of neurobiology and should be a valuable resource.

Laurence Trussell
Department of Neurophysiology,
University of Wisconsin,
Madison, WI 53706



Books Received

Accelerator Instrumentation. Walter Barry and Peter Kloeppel, Eds. American Institute of Physics, New York, 1992. viii, 293 pp., illus. \$90. Particles and Field Series, 46. AIP Conference Proceedings, 252. From a workshop, Newport News, VA, Oct. 1991.

Adaptation in Natural and Artificial Systems. An Introductory Analysis with Applications to Biology, Control, and Artificial Intelligence. John H. Holland. MIT Press, Cambridge, MA, 1992. xvi, 211 pp., illus. \$30; paper, \$14.95. Complex Adaptive Systems.

The Adrenal Cortex. Gavin P. Vinson, Barbara Whitehouse, and Joy Hinson. Prentice-Hall, Englewood Cliffs, NJ, 1992. xx, 316 pp., illus. \$72. Endocrinology Series.

AIDS 1991. A Year in Review. Current Science, London, 1992. x, 269 pp., illus. \$22.10.

Bad Medicine. The Prescription Drug Industry in the Third World. Milton Silverman, Mia Lydecker, and Philip R. Lee. Stanford University Press, Stanford, CA, 1992. xx, 358 pp. \$29.95.

Basic Space Science. Hans J. Haubold and Raj K. Khanna, Eds. American Institute of Physics, New York, 1992. x, 340 pp., illus. \$95. AIP Conference Proceedings, 245. From a workshop, Bangalore, India, April 1991.

Behind the Numbers. U.S. Trade in the World Economy. Anne Y. Kester, Ed. National Academy Press, Washington, DC, 1992. xiv, 297 pp., illus. \$26.95.

Beyond Compliance. A New Industry View of the Environment. Bruce Smart, Ed. World Resources Institute, Washington, DC, 1992. xiv, 285 pp., illus. Paper, \$19.95.

Camera Technology. The Dark Side of the Lens. Norman Goldberg. Academic Press, San Diego, CA, 1992. xvi, 309 pp., illus. \$39.95.

Campylobacter jejuni. Current Status and Future Trends. Irving Nachamkin, Martin J. Blaser, and Lucy S. Tompkins, Eds. American Society for Microbiology, Washington, DC, 1992. xii, 300 pp., illus. \$79; to ASM members, \$65.

Cancer Screening. A. B. Miller *et al.*, Eds. Published on behalf of International Union Against Cancer

by Cambridge University Press, New York, 1991. xviii, 438 pp., illus. \$85. From a workshop, Cambridge, U.K., April 1990.

Deciphering a Shell Midden. Julie K. Stein, Ed. Academic Press, San Diego, CA, 1992. xx, 375 pp., illus. \$89.95.

The Demography of Health and Health Care. Louis G. Pol and Richard K. Thomas. Plenum, New York, 1992. xiv, 381 pp., illus. \$45. Plenum Series on Demographic Methods and Population Analysis.

Descartes' Metaphysical Physics. Daniel Garber. University of Chicago Press, Chicago, IL, 1992. xiv, 389 pp., illus. \$60; paper, \$23.95. Science and Its Conceptual Foundations.

Ecology and Management of Food-Industry Pests. J. Richard Gorham, Ed. Association of Official Analytical Chemists, Arlington, VA, 1992. x, 595 pp., illus. \$143. FDA Technical Bulletin, 4.

The Ecology of the Fish Pond Ecosystem. With Special Reference to Africa. Guy Delincé. Kluwer, Norwell, MA, 1992. xviii, 230 pp., illus. \$149. Developments in Hydrobiology, 72.

Facing the Future. Proceedings of the International Gemological Symposium (Los Angeles, June 1991). Alice S. Keller, Ed. Gemological Institute of America, Santa Monica, CA, 1992. xvi, 192 pp., illus. \$49.95; paper, \$34.95.

Feminist Methods in Social Research. Shulamit Reinharz with the assistance of Lynn Davidman. Oxford University Press, New York, 1992. x, 413 pp. \$39.95; paper, \$19.95.

G-Proteins. Signal Transduction and Disease. Graeme Milligan and Michael Wakelam, Eds. Academic Press, San Diego, CA, 1992. xii, 247 pp., illus. \$89.95.

Gamma-Ray Bursts. Observations, Analyses and Theories. Cheng Ho, Richard I. Epstein, and Edward E. Fenimore, Eds. Cambridge University Press, New York, 1992. xviii, 499 pp., illus. \$69.95. From a workshop, Taos, NM, July 1990.

Handbook for Scientific and Technical Research. David P. Beach and Torsten K. E. Alvager. Prentice-Hall, Englewood Cliffs, NJ, 1992. xii, 255 pp., illus. \$40.

Handbook of Amyotrophic Lateral Sclerosis. Richard Alan Smith, Ed. Dekker, New York, 1992. xxviii, 783 pp., illus. \$195. Neurological Disease and Therapy, vol. 12.

Iberia Before the Iberians. The Stone Age Prehistory of Cantabrian Spain. Lawrence Guy Straus. University of New Mexico Press, Albuquerque, 1992. xiv, 336 pp., illus. \$40.

IBM-PC in the Laboratory. B. G. Thompson and A. F. Kuckes. Cambridge University Press, New York, 1992. x, 246 pp., illus. \$69.95; paper, \$29.95. Reprint, 1989 ed.

Impure Science. Fraud, Compromise and Political Influence in Scientific Research. Robert Bell. Wiley, New York, 1992. xvi, 301 pp. \$24.95.

Laser Resonators and the Beam Divergence Problem. Yuri A. Anan'ev. Hilger, Philadelphia, 1992 (distributor, American Institute of Physics, New York). xx, 442 pp., illus. \$140. Series on Optics and Optoelectronics. Translated from the Russian by G. P. Skrebtsov.

Lateral Electromagnetic Waves. Theory and Applications to Communications, Geophysical Exploration, and Remote Sensing. Ronald W. P. King *et al.* Springer-Verlag, New York, 1992. xviii, 746 pp., illus. \$79.

A Marxist Archaeology. Randall H. McGuire. Academic Press, San Diego, CA, 1992. xviii, 326 pp. \$79.95.

Mastering the Machine. Poverty, Aid and Technology. Ian Smillie. Westview, Boulder, CO, 1992. xii, 268 pp. \$45; paper, \$12.95.

Matroid Applications. Neil White, Ed. Cambridge University Press, New York, 1992. xii, 363 pp., illus. \$79.95. Encyclopedia of Mathematics and its Applications, vol. 40.

Nanostructures and Mesoscopic Systems. Wiley P. Kirk and Mark A. Reed, Eds. Academic Press, San Diego, CA, 1992. xiv, 545 pp., illus. \$69.95. From a symposium, Santa Fe, NM, May 1991.

The Native Population of the Americas in 1492. William M. Denevan, Ed. 2nd ed. University of Wisconsin Press, Madison, 1992. xlv, 353 pp., illus. \$45;

paper, \$14.95.

The Nature of Solids. Alan Holden. Dover, New York, 1992. x, 241 pp., illus. Paper, \$6.95. Reprint, 1965 ed.

Observational and Physical Cosmology. F. Sánchez, M. Collados, and R. Rebolo, Eds. Cambridge University Press, New York, 1992. xviii, 334 pp., illus. \$64.95. From a school, Canary Islands, Dec. 1990.

On Our Own Terms. Redefining Competence and Femininity. Maggie Mulqueen. State University of New York Press, Albany, NY, 1992. x, 221 pp. Paper, \$14.95.

A Parallel Object-Oriented Language. Design and Semantic Foundations. P. H. M. America and J. J. M. M. Ruten. Centrum voor Wiskunde en Informatica, Amsterdam, 1992. viii, 319 pp., illus. Dfl. 78.50. CWI Tract, 81.

Particle Astrophysics. The Early Universe and Cosmic Structures. J.-M. Alimi *et al.*, Eds. Editions Frontières, Gif-sur-Yvette Cedex, France, 1992. x, 505 pp., illus. \$70. From a meeting, Les Arcs, Savoie, France, March 1990.

Quantum Geometry. A Framework for Quantum General Relativity. Eduard Prugovecki. Kluwer, Norwell, MA, 1992. xiv, 526 pp. \$149.

Quantum Measurements in Optics. Paolo Tombesi and Daniel F. Walls, Eds. Plenum, New York, 1992. xii, 429 pp., illus. \$115. NATO Advanced Science Institutes Series B, vol. 282. From a workshop, Cortina d'Ampezzo, Italy, Jan. 1991.

Recent Progress in Antifungal Chemotherapy. Hideyo Yamaguchi *et al.*, Eds. Dekker, New York, 1992. xii, 536 pp., illus. \$150. From a conference, Oiso, Japan, Sept. 1990.

Recombinant DNA. James D. Watson *et al.* 2nd ed. Scientific American Books (Freeman), New York, 1992. xiv, 626 pp., illus. \$49.95; paper, \$32.95.

Regulated Chemicals Directory 1992. Compiled by ChemADVISOR, Inc. Chapman and Hall (Routledge, Chapman and Hall), New York, 1992. x, 1472 pp. In looseleaf binder, \$375 (including quarterly updates).

Saltmarshes. Morphodynamics, Conservation and Engineering Significance. J. R. L. Allen and K. Pye, Eds. Cambridge University Press, New York, 1992. viii, 184 pp., illus. \$49.95.

Saving American Birds. T. Gilbert Pearson and the Founding of the Audubon Movement. Oliver H. Orr, Jr. University Presses of Florida, Gainesville, 1992. xii, 296 pp. + plates. \$34.95.

Terman's Kids. The Groundbreaking Study of How the Gifted Grow Up. Joel N. Shurkin. Little, Brown, New York, 1992. x, 317 pp. \$22.95.

Topics in Galois Theory. Jean-Pierre Serre. Jones and Bartlett, Boston, 1992. xvi, 117 pp. Paper, \$27.50. Research Notes in Mathematics, vol. 1.

Topics in Hadron Spectroscopy. D. C. Peaslee, Ed. Nova, Commack, NY, 1992. x, 284 pp., illus. \$75.

Vaccine Research and Developments. Vol. 1. Wayne C. Koff and Howard R. Six, Eds. Dekker, New York, 1992. viii, 251 pp., illus. \$125.

Vaccines 92. Modern Approaches to New Vaccines Including Prevention of AIDS. Fred Brown *et al.*, Eds. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1992. xxiv, 408 pp., illus. Paper, \$100. From a conference, Cold Spring Harbor, NY, Sept. 1991.

Women in Science and Engineering. Increasing Their Numbers in the 1990s. A Statement on Policy and Strategy. Committee on Women in Science and Engineering, National Research Council. National Academy Press, Washington, DC, 1992. xii, 152 pp., illus. Paper, \$20.

Word Processing in Groups. David B. A. Epstein with James W. Cannon *et al.* Jones and Bartlett, Boston, 1992. xii, 330 pp., illus. \$29.95.

The World Food Problem. Tackling the Causes of Undernutrition in the Third World. Phillips Foster. Riener, Boulder, CO, and Adamantine, London, 1992. xx, 366 pp., illus. \$45; paper, \$22.

Xenobiotics and Cancer. Implications for Chemical Carcinogenesis and Cancer Chemotherapy. Lars Ernster *et al.*, Eds. Taylor and Francis, Philadelphia, 1992. xviii, 368 pp., illus. \$124. From a symposium, Tokyo, Nov. 1990.