

showing the thickness of the lithosphere. We should recall that wave-velocity cross sections are the sole basis for models of the nature and distribution of the different deep crustal materials. An attempt to construct such models is made in the next chapter in light of gravity measurements as well as heat flow and electric conductivity data.

The chapter dedicated to recent tectonic activity is no less interesting. We learn that the Baltic Shield is not very stable and is the locus of many earthquakes, albeit of small magnitude. Seismic activity can be compared with a generalized stress map and recent volcanic areas, but no seismotectonic data are reported here, even for the Mediterranean area, where many studies have recently been carried out.

Although *A Continent Revealed* indisputably improves our knowledge of the European continent, it has some frustrating flaws. The data and their interpretation are not well integrated. For example, the cross sections showing the geophysical models are presented as several small pieces, and no clue is given to the crucial role of these data in the development of ideas about the structure, tectonic evolution, and geodynamics of the European basement. Although an EGT Atlas (as well as a CD-ROM that contains some of the Atlas data) is available separately, the problems related to the coordination of material could have been alleviated by the presentation of the maps and cross sections as fold-out documents.

While the EGT was being carried out, other groups were collaborating in studies of the structure of the European crust by deep seismic reflection profiling (for example, the *Etude de la Croûte Continentale et Océanique par Réflexion Sismique* [ECORS] in France and Spain, the South West Approaches Transect [SWAT] in England), and it is frustrating that the results of these other projects are not sufficiently incorporated. For instance, a complete deep crustal transect from South England and Belgium to Spain through the Hercynian and Alpine domain is also available, and a comparison of its data with the EGT section results would have been fruitful.

Finally, it is unfortunate that a separate bibliography of the publications arising directly out of the workshops and retreats organized for the EGT project is not provided. Such a reference list would have helped to justify the considerable financial support that the program enjoyed as well as enhancing the value of the book itself, which can serve as a general introduction to the more specialized literature.

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## Reprints of Books Previously Reviewed

- A Feeling for the Organism.** The Life and Work of Barbara McClintock. Evelyn Fox Keller. Freeman, New York, 1993. Paper, \$13.95. *Reviewed* 223, 482 (1984).
- Four Neotropical Rainforests.** Alwyn H. Gentry, Ed. Yale University Press, New Haven, CT, 1993. Paper, \$32.50. *Reviewed* 252, 1008 (1991).
- Knowing Children.** Experiments in Conversation and Cognition. Michael Siegal. Erlbaum, Hillsdale, NJ, 1992. Paper, \$19.95. *Reviewed* 254, 446 (1991).
- Teller's War.** The Top-Secret Story Behind the Star Wars Deception. William J. Broad. Simon and Schuster, New York, 1993. Paper, \$13. *Reviewed* 256, 1043 (1992).
- Topobiology.** An Introduction to Molecular Embryology. Gerald M. Edelman. Basic Books, New York, 1993. Paper, \$17. *Reviewed* 243, 1373 (1989).

## Books Received

- The Advancement of Science.** Science Without Legend, Objectivity Without Illusions. Philip Kitcher. Oxford University Press, New York, 1993. x, 421 pp., illus. \$39.95.
- Bacillus subtilis and Other Gram-Positive Bacteria.** Biochemistry, Physiology, and Molecular Genetics. Abraham L. Sonenshein, James A. Hoch, and Richard Losick, Eds. American Society for Microbiology, Washington, DC, 1993. xiv, 987 pp., illus. \$125; to ASM members, \$98.
- The Battle of the Gods and Giants.** The Legacies of Descartes and Gassendi, 1655–1715. Thomas M. Lennon. Princeton University Press, Princeton, NJ, 1993. xiv, 420 pp. \$59.50. *Studies in Intellectual History and the History of Philosophy.*
- Biology of Depressive Disorders.** Part B, Subtypes of Depression and Comorbid Disorders. J. John Mann and David J. Kupfer, Eds. Plenum, New York, 1993. 2 vols. Part A, A Systems Perspective. xii, 272 pp., illus. \$45. Part B, Subtypes of Depression and Comorbid Disorders. xii, 183 pp. \$37.50. *Depressive Illness Series*, vols 3–4.
- Canada's Cold Environments.** Hugh M. French and Olav Slaymaker, Eds. McGill-Queen's University Press, Montreal, 1993. xxii, 340 pp., illus. \$45. *Canadian Association of Geographers Series in Canadian Geography.*
- Data for Agrarian Development.** C. D. Poate and P. F. Daplyn. Cambridge University Press, New York, 1993. x, 387 pp., illus. \$79.95; paper, \$32.95. *Wye Studies in Agricultural and Rural Development.*
- Ensayos Sobre el Gran Nayar.** Entre Coras, Huicholes y Tepehuanos. Phil C. Weigand. Centro de Estudios Mexicanos y Centroamericanos de la Embajada de Francia en México, Lomas de Chapultepec, Instituto Nacional Indigenista, Tlacopac, y Colegio de Michoacán, Zamora, Michoacán, México, 1992. 236 pp., illus. Paper, Mex\$40.
- Fits, Passions, and Paroxysms.** Physics, Method, and Chemistry and Newton's Theories of Colored Bodies and Fits of Easy Reflection. Alan E. Shapiro. Cambridge University Press, New York, 1993. xviii, 400 pp., illus. \$69.95.
- Going from C to C++.** Robert J. Traister. Academic Press, San Diego, CA, 1993. xiv, 188 pp., illus., + diskette. Paper, \$34.95.
- Handbook of Bereavement.** Theory, Research, and Intervention. Margaret S. Stroebe, Wolfgang Stroebe, and Robert O. Hansson, Eds. Cambridge University Press, New York, 1993. xii, 546 pp., illus. \$69.95; paper, \$29.95.
- Immunophysiology of the Gut.** W. Allan Walker, Paul R. Hartz, and Barry K. Wershil, Eds. Academic Press, San Diego, CA, 1993. xxvi, 448 pp., illus. \$70. *Bristol-Myers Squibb/Mead Johnson Nutrition Symposium*, 11. From a symposium, Boston, Aug. 1991.
- Low Dimensional Properties of Solids.** Mats Jonson and Tord Claesson, Eds. Physica Scripta, Stockholm, and World Scientific, River Edge, NJ,

1992. 219 pp., illus. \$86; paper, \$48. From a symposium, Gothenburg, Sweden, Dec. 1991.

**MacClade.** Analysis of Phylogeny and Character Evolution. Version 3. Wayne P. Maddison and David R. Maddison. Sinauer, Sunderland, MA, 1993. xii, 398 pp., illus., + diskette. Paper, \$40; with Macintosh diskette, \$75; chapters 3–6 only, \$10.

**Nutrition in Cardio-Cerebrovascular Diseases.** Kyu Taik Lee, Yasaburo Oike, and Takemichi Kanazawa, Eds. New York Academy of Sciences, New York, 1993. xiv, 370 pp., illus. Paper, \$110. *Annals of the New York Academy of Sciences*, vol. 676. From a conference, Aomori City, Japan, April 1992.

**100 Billion Suns.** The Birth, Life, and Death of the Stars. Rudolf Kippenhahn. Princeton University Press, Princeton, NJ, 1993. viii, 268 pp., illus. Paper, \$16.95. Translated from the German edition (Munich, 1980) by Jean Steinberg. Reprint, 1983 ed.

**Origen y Desarrollo de la Civilización en el Occidente de México.** Homenaje a Pedro Armillas y Ángel Palerm. Brigitte Boehm de Lameiras y Phil C. Weigand, Coordinadores. Colegio de Michoacán, Zamora, Michoacán, México, 1992. 382 pp., illus. Paper, Mex\$45.

**Paleobotany and the Evolution of Plants.** Wilson N. Stewart and Gar W. Rothwell. 2nd ed. Cambridge University Press, New York, 1993. xii, 521 pp., illus. \$49.95.

**Quantum Field Theory.** A Modern Introduction. Michio Kaku. Oxford University Press, New York, 1993. xx, 785 pp., illus. \$49.95.

**Race in North America.** Origin and Evolution of a Worldview. Audrey Smedley. Westview, Boulder, CO, 1993. xii, 340 pp. \$48.50.

**Sex and Gender Hierarchies.** Barbara Diane Miller, Ed. Cambridge University Press, New York, 1993. xx, 401 pp., illus. \$64.95; paper, \$19.95. *Publications of the Society for Psychological Anthropology*, 4. From a conference, Mijas, Spain, Jan. 1987.

**A Short Guide to Writing About Biology.** Jan A. Pechenik. 2nd ed. HarperCollins, New York, 1993. xvi, 240 pp., illus. Paper, \$14.50. *Short Guide Series.*

**Theoretical Mechanics of Biological Neural Networks.** Ronald J. MacGregor. Academic Press, San Diego, CA, 1993. xii, 377 pp., illus. \$69.95. *Neural Networks.*

**Theory and Calculation of Applied Solar Energy Concentrating Systems.** R. A. Zakhidov, G. Ya Umarov, and A. A. Weiner. Gujarat Energy Development Agency, Vadodara, India, 1992. ii, 146 pp., illus. Paper, Rs250. Translated from the Russian edition (Tashkent, Uzbekistan, 1977).

**A Theory of Latticed Plates and Shells.** G. I. Pshenichnov. World Scientific, River Edge, NJ, 1993. xii, 309 pp., illus. \$58. *Series on Advances in Mathematics for Applied Sciences*, vol. 5.

**Tumor Necrosis Factor.** Molecular and Cellular Biology and Clinical Relevance. Walter Fiers and Wim A. Buurman, Eds. Karger, New York, 1993. x, 256 pp., illus., + plates. \$258.50. From a conference, Veldhoven, Netherlands, May 1992.

**200% of Nothing.** An Eye-Opening Tour Through the Twists and Turns of Math Abuse and Innumeracy. A. K. Dewdney. Wiley, New York, 1993. x, 182 pp., illus. \$19.95.

**Usability Engineering.** Jakob Nielsen. Academic Press, San Diego, CA, 1993. xiv, 358 pp., illus. \$39.95.

**Veterans at Risk.** The Health Effects of Mustard Gas and Lewisite. Constance M. Pechura and David P. Rall, Eds. National Academy Press, Washington, DC, 1993. xx, 427 pp., illus. Paper, \$39.95.

**A View to a Death in the Morning.** Hunting and Nature Through History. Matt Cartmill. Harvard University Press, Cambridge, MA, 1993. xvi, 331 pp., illus. \$29.95.

**Visit to a Small Universe.** Virginia Trimble. American Institute of Physics, New York, 1993. xiv, 336 pp., illus. \$25. *Masters of Modern Physics*, vol. 4.

**Wetlands of the World.** Inventory, Ecology and Management. Vol. 1, Africa, Australia, Canada and Greenland, Mediterranean, Mexico, Papua New Guinea, South Asia, Tropical South America, United States. Dennis Whigham, Dagmar Dykijová, and Slavomil Hejný, Eds. Kluwer, Norwell, MA, 1993. xx, 768 pp., illus. \$286. *Handbook of Vegetation Science*, vol. 15/2.