

biology and at the same time jar evolutionary biologists from their overwhelming focus on eukaryotes.

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Also Noteworthy

Marx, Deceased. A Novel. CARL DJERASSI. University of Georgia Press, Athens, GA, 1996. xii, 219 pp. \$21.95.

Carl Djerassi of *Cantor's Dilemma* and *The Bourbaki Gambit* (see *Science* **246**, 829 [1989] and **269**, 109 [1995]) continues his novel-writing career, this time with characters whose claims to fame lie in the sphere of literature rather than science. But the author's first avocation pokes through from time to time: Not only is the prosciutto "microtome-cut," the protagonist has achieved acclaim as the author of a novel about a scientist and another character is developing a cookbook by means of retrosynthesis.

Level 4. Virus Hunters of the CDC. JOSEPH B. MCCORMICK and SUSAN FISHER-HOCH, with Leslie Alan Horvitz. Turner, Atlanta, GA, 1996. 379 pp. + plates. \$22.95 or C\$29.95.

Written by two epidemiologists affiliated with the Centers for Disease Control, this is an account of some 30 years of travels to Zaire, Senegal, South Africa, Brazil, Pakistan, China, and elsewhere to investigate outbreaks of disease caused by exceptionally deadly organisms ("level 4" refers to the highest mandated level of containment in the laboratory). Legionnaires' disease, Ebola, Lassa fever, and AIDS are among the diseases on which the authors have made field observations. The book is being promoted in connection with a TBS documentary featuring the first author.

Feynman's Lost Lecture. The Motion of Planets Around the Sun. DAVID L. GOODSTEIN and JUDITH R. GOODSTEIN. Norton, New York, 1996. 191 pp., illus., + CD, boxed. \$35 or C\$45.

The lecture in question is a proof of the law of ellipses, one of five lectures by Richard Feynman that were left out of the famed three-volume *Feynman Lectures on Physics* (1963–65). The text of the lecture (transcribed from a tape and also presented here as a compact disc) occupies 25 pages of the work. Preceding it are some historical back-

ground "from Copernicus to Newton," some reminiscences of Feynman, and David Goodstein's reconstruction of Feynman's proof with new illustrations to compensate for the lack of the unavailable originals.

Cecilia Payne-Gaposchkin. An Autobiography and Other Recollections. KATHERINE HARAMUNDANIS, Ed. Second edition. Cambridge University Press, New York, 1966. xxii, 227 pp., illus. £35; paper, \$19.95 or £32.95.

Payne-Gaposchkin (1900–1980) was an astronomer who in spite of the disadvantage of being a woman at Harvard in her era made important contributions to the understanding of stellar atmospheres. This biographical work is essentially a reprinting of the 1984 edition (reviewed in *Science* **224**, 727 [1984]), which brought together Payne-Gaposchkin's "The Dyer's Hand" (70 pp.) and essays by the historian Peggy Kidwell and the astronomer Jesse L. Greenstein and Katherine Haramundanis, the latter the subject's daughter. For this edition the astronomer Virginia Trimble has provided a new introduction presenting some reflections on the life and personality of Payne-Gaposchkin, whom she knew, and on the careers of some other women astronomers; Trimble takes up some issues, such as the significance of personal appearance, that are often avoided in such examinations.

Darwin's Black Box. The Biochemical Challenge to Evolution. MICHAEL J. BEHE. Free Press, New York, 1996. xii, 307 pp., illus. \$25.

This book is an argument by a biochemist on the faculty of Lehigh University that evidence provided by "the fundamental science of life, modern biochemistry," supports the view that our world is the product of intelligent design. Writing in a sometimes folksy style ("After the youngster grows a bit and sets his mind to getting born, one thing he wants to do is produce B cells"), the author expounds some suborganismal biology and reviews some debates relevant to evolution, seeing in this material many challenges to Darwinism. On scientists' reluctance to embrace the conclusion he reaches, the author writes, "Scientific chauvinism is an understandable emotion, but it should not be allowed to affect serious intellectual issues."

Katherine Livingston

Books Received

Afterglow of Creation. From the Fireball to the Discovery of Cosmic Ripples. Marcus Chown. University

Science, Sausalito, CA, 1996. xiv, 222 pp., illus. \$28.50.

Biotechnology. Proteins to PCR. A Course in Strategies and Lab Techniques. David W. Burden and Donald B. Whitney. Birkhäuser Boston, Cambridge, MA, 1995. xvi, 317 pp., illus. Spiralbound, \$39.50.

Chemistry Imagined. Reflections on Science. Roald Hoffmann and Vivian Torrence. Smithsonian Institution Press, Washington, DC, 1996. 168 pp., illus. Paper, \$19.95. Reprint, 1993 ed.

Chickadees, Tits, Nuthatches, and Treecreepers. Simon Harrap and David Quinn. Princeton University Press, Princeton, NJ, 1996. 464 pp., illus. \$49.50.

The Crystal as a Supramolecular Entity. Gautam R. Desiraju, Ed. Wiley, New York, 1996. xii, 314 pp., illus. \$125. Perspectives in Supramolecular Chemistry, vol. 2.

Culture of Immortalized Cells. R. Ian Freshney and Mary G. Freshney, Eds. Wiley-Liss, New York, 1996. xx, 389 pp., illus. Paper, \$52.95. Culture of Specialized Cells.

Evolving the Mind. On the Nature of Matter and the Origin of Consciousness. A. G. Cairns-Smith. Cambridge University Press, New York, 1996. viii, 329 pp., illus. \$24.95.

The Exponential Distribution. Theory, Methods and Applications. N. Balakrishnan and Asit P. Basu, Eds. Gordon and Breach, Langhorne, PA, 1996 (distributor, International Publishers Distributor, Brooklyn, NY). xxvi, 638 pp., illus. \$119.

The Frontal Lobes and Voluntary Action. Richard Passingham. Oxford University Press, New York, 1996. xxiv, 299 pp., illus. Paper, \$28. Oxford Psychology, no. 21.

History of Science in the United States. A Chronology and Research Guide. Clark A. Elliott. Garland, New York, 1996. x, 543 pp. \$83. Garland Reference Library of Social Science, vol. 1711.

Humanity's Descent. The Consequences of Ecological Instability. Rick Potts. Morrow, New York, 1996. vi, 325 pp., illus. \$25.

Introduction to Crystallographic Statistics. Uri Shmueli and George H. Weiss. International Union of Crystallography, and Oxford University Press, New York, 1995. x, 172 pp., illus. \$85. IUCr Monographs on Crystallography, 6.

Knowing Machines. Essays on Technical Change. Donald MacKenzie. MIT Press, Cambridge, MA, 1996. xii, 338 pp., illus. \$35. Inside Technology.

The Lives to Come. The Genetic Revolution and Human Possibilities. Philip Kitcher. Simon and Schuster, New York, 1996. 383 pp., illus. \$25.

Mathematica in Theoretical Physics. Selected Examples from Classical Mechanics to Fractals. Gerd Baumann. Springer-Verlag, New York, 1996. xii, 348 pp., illus., + diskette. \$59.

Modern Astrodynamics. Fundamentals and Perturbation Methods. Victor R. Bond and Mark C. Allman. Princeton University Press, Princeton, NJ, 1996. xii, 250 pp., illus. \$35 or £27.50.

Physics and National Socialism. An Anthology of Primary Sources. Klaus Hentschel, Ed. Ann M. Hentschel, translator. Birkhäuser Boston, Cambridge, MA, 1996. cii, 406 pp., illus., + supplementary material. \$139.50. Science Networks, vol. 18.

Psychology of Pain. Suzanne M. Skevington. Wiley, New York, 1996. xii, 348 pp., illus. \$46.95.

Scientific Knowledge. A Sociological Analysis. Barry Barnes, David Bloor, and John Henry. University of Chicago Press, Chicago, 1996. xiv, 230 pp., illus. \$38; paper, \$15.95.

Social Aspects of Obesity. Igor de Garine and Nancy J. Pollock, Eds. Gordon and Breach, Langhorne, PA, 1995 (distributor, International Publishers Distributor, Brooklyn, NY). xxiv, 314 pp., illus. \$50, paper, \$25. Culture and Ecology of Food and Nutrition, vol. 1.

Structural Geology of Rocks and Regions. George H. Davis and Stephen J. Reynolds. Wiley, New York, 1996. xiv, 776 pp., illus. \$81.95.

Translational Control. John W. B. Hershey, Michael B. Mathews, and Nahum Sonenberg, Eds. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1995. xiv, 794 pp., illus. \$95. Monograph 30.

What's Happening in the Mathematical Sciences, 1995–1996. Barry Cipra. Paul Zorn, Ed. American Mathematical Society, Providence, RI, 1995. vi, 111 pp., illus. Paper, \$12. Vol. 3.