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Absolute Zero Gravity: A Collection of Jokes, Anecdotes, Limericks, and Riddles Revealing the Funny Side of Physics, Biology, Mathematics, and Other Branches of Science — Betsy Devine and Joel E. Cohen. The newsletter editor for the Institute for Advanced Study and a mathematical biologist offer anecdotes about science and scientists, stories about the work of making sense of the world, and tales about the language and concepts of scientific explanations. For scientists and nonscientists alike. Fireside, 1992, 162 p., paperback, \$8.00.

The Crystal Desert: Summers in Antarctica — David G. Campbell. This look at Antarctica's wildlife, climate, land, and history tells of the explorers who discovered it, the whalers and sealers who despoiled it, and the scientists working there today. The author spent three summers at the Brazilian Antarctic Research Station on the Antarctic Peninsula and describes the events of the summer, when for three months the sun travels around the northern horizon and sets only briefly. He tells of penguins, seabirds, seals, and whales, of the evolution of life in Antarctica, and of the evolution of the continent itself from the landmass known as Gondwana. HM, 1992, 308 p., hardcover, \$21.95.

A Dictionary of Ethology — Klaus Immelmann and Colin Beer. The author of the German-language dictionary on which this work is based and a professor of psychology at the Institute of Animal Behavior, Rutgers University, have prepared this guide. It includes historical and current terminology and provides definitions of terms central to ethological writing. The guide also includes terms from related disciplines, particularly evolutionary biology, physiology, ecology, and sociobiology. Harvard U Pr, 1992, 336 p., paperback, \$17.95.

Excursions in Calculus: An Interplay of the Continuous and the Discrete — Robert M. Young. The author of *An Introduction to Nonharmonic Fourier Series* explores the interplay between the two main currents of mathematics, the continuous and the discrete. Such fundamental notions in discrete mathematics as induction, recursion, combinatorics, number theory, discrete probability, and the algorithmic point of view as a unifying principle are examined as they interact with traditional calculus. Written for those well-versed in calculus, this work can serve as a supplement to a traditional calculus course. Includes more than 400 problems. Math Assn, 1992, 417 p., paperback, \$36.00.

Fractals, The Patterns of Chaos: Discovering a New Aesthetic of Art, Science, and Nature — John Briggs. A science writer uses more than 170 illustrations to explain the significance of fractals, patterns left behind by unpredictable movements such as the branching patterns of trees, the veins of the hand, and water twisting out of a running tap. He describes how fractals were discovered, how they form, and the unique properties fractals share. Includes a list of fractal-generating software for home computers. Touchstone Bks, 1992, 128 p., paperback, \$20.00.

Shadows of Africa — Peter Matthiessen and Mary Frank. A naturalist and an artist collaborated to produce this collection of words and images about Africa. Matthiessen's essays, written between 1961 and 1986, cover trips from south Sudan to Zaire and offer his perceptions of endangered creatures. Frank's work, both in color and in black and white, includes pencil, charcoal, and ink-and-wash drawings, as well as paper cutouts, monoprints, clay reliefs, and oil paintings on glass and metal. Abrams, 1992, 120 p., hardcover, \$34.95.

William Diller Matthew, Paleontologist — Edwin H. Colbert. Using personal letters, archives, and accounts from those who knew William Matthew, paleontologist Edwin H. Colbert paints a portrait of Matthew's life and work. He presents an account of Matthew's experiences around the turn of the century, including the publication of his essay "Climate and Evolution." Illustrated with black-and-white photographs. Columbia U Pr, 1992, 275 p., hardcover, \$45.00.

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