

Books

Books is an editorial service for readers' information. To order any book listed or any U.S. book in print, please remit retail price, plus \$2.00 postage and handling charge for each book, to **SCIENCE NEWS BOOKS**, 1719 N Street, NW, Washington, DC 20036. All books sent postpaid. Domestic orders only. Please allow 4-6 weeks for delivery.

Beyond the Limits: Flight Enters the Computer Age — Paul E. Ceruzzi. The associate curator of the National Air and Space Museum in Washington, D.C., details the history and consequences of flight computerization. From the early Whirlwind flight-training project to the role of computers in the Challenger explosion, Ceruzzi traces the aerospace industry's increasing dependence on computer technology. The publication of this beautifully illustrated book coincides with the opening of a new gallery by the same name at the Air and Space Museum. MIT Pr, 1989, 270 p., color/b&w illus., paperback, \$17.50.

Darkness at Night: A Riddle of the Universe — Edward Harrison. A leading astronomer/physicist explores why the sky is dark at night. For more than four centuries, investigators have pondered this question, proposing many interesting but unconvincing theories. While tracing these investigations, Harrison discusses the developments in astronomy that led to the presently accepted answer to the riddle. Originally published in hardcover in 1987. Harvard U Pr, 1989, 293 p., illus., paperback, \$12.95.

The Field Guide to Wildlife Habitats: Of the Eastern United States — Janine M. Benyus. Find out what plants and animals share the same habitat you're living in, floating on or driving through east of the 98th meridian. This guide tells novice naturalists where they might find a ruffed grouse feeding in an aspen-birch forest or where the pig frog nests in a cattail marsh. Each of the 20 habitat descriptions includes geological and ecological histories, a two-page illustration and a wildlife locator chart with feeding and nesting information. Fireside (S&S), 1989, 336 p., illus., paperback, \$14.95.

The Field Guide to Wildlife Habitats: Of the Western United States — Janine M. Benyus. Find out what plants and animals share the same habitat you're living in, floating on or driving through west of the 98th meridian. This guide tells novice naturalists where they might find a canyon treefrog nest in the Sonoran cactus desert or where the American kestrel eats in a lodgepole pine forest. Each of the 18 habitat descriptions includes geological and ecological histories, a two-page illustration and a wildlife locator chart with feeding and nesting information. Fireside (S&S), 1989, 336 p., illus., paperback, \$14.95.

Turbulent Mirror: An Illustrated Guide to Chaos Theory and the Science of Wholeness — John Briggs and F. David Peat. An introduction to the many faces of chaos and how the laws of chaos direct most of the processes of everyday life. From our heartbeats and thoughts to the formation of clouds and storms, from the composition of a poem to the formation of coastlines, the science of chaos has many practical applications. The authors relate chaos to the idea of "wholeness" and the increasing scientific appreciation of how the universe is interconnected. Har-Row, 1989, 221 p., b&w illus., hardcover, \$22.50.

Science on the Air

Check your local listings for exact times and dates. (R) indicates a repeat broadcast.

Aug. 1 (CNN) Climate in Crisis Explores the threat of global warming, identifying causes, possible consequences — both economic and ecological — and solutions.

Aug. 1 (PBS) Nova — "The Strange New Science of Chaos" (R) Examines a new science that is making surprising sense out of chaotic phenomena in nature, from the weather to brain waves.

Aug. 2 (PBS) Discover: The World of Science (R) Looks at computer music, the unearthing of the world's largest dinosaur remains and new technologies allowing deaf and blind people to communicate with the outside world.

Aug. 5 (CNN) Healthweek/Science and Technology Week Both programs cover the latest medical, health, science and technology news. Saturdays.

Aug. 5 (PBS) Wild America — "At the Crossroads" (R) This exploration of wildlife's struggle for survival in America examines some of the nation's most endangered species, including whooping cranes and black-footed ferrets.

Aug. 6 (PBS) Innovation — "Diet: The Cancer Connection" (R) Examines data linking nutrition and cancer and presents views of health experts who argue the link is ill-founded.

Aug. 7 (PBS) National Geographic Specials — "Lions of the African Night" (R) Follows a pride of lions on their nightly hunts, giving a startling look at the behavior of lions, baboons and hippos.

Aug. 8 (PBS) Nova — "Confronting the Killer Gene" (R) Profiles Huntington's disease, the search for a test to identify afflicted individuals and the dilemma of those confronted with the opportunity to take the test.

Aug. 8 (PBS) P.O.V. — "Dark Circle" Exposes the growing health and safety problems at the nation's nuclear weapons plants.

Aug. 9 (PBS) Discover: The World of Science Examines obesity, lightning research and what people can learn from dolphins.

Aug. 12 (PBS) Wild America — "Bighorn!" (R) Follows a band of Rocky Mountain bighorn sheep through the seasons.

Aug. 13 (PBS) Innovation — "Cocaine" Looks at new research on what cocaine does to the brain and explores ways to treat addiction.

Aug. 14 (PBS) National Geographic Specials — "The Grizzlies" (R) Travels from the Alaskan tundra to Yellowstone National Park, documenting the public and private lives of the grizzly bear.

Aug. 15 (PBS) Nova — "The Last Journey of a Genius" (R) A fascinating portrait of Nobel prize-winning physicist Richard Feynmann.

Aug. 16 (PBS) Discover: The World of Science (R) Focuses on social hierarchies in baboons and a remarkable procedure called valvuloplasty that could replace open-heart surgery for some children born with heart defects.

Aug. 19 (PBS) Wild America — "The Wolf and the Whitetail" (R) Traces the annual cycle of both species as the young mature to assume their adult roles as predator and prey.

Aug. 20 (PBS) Innovation — "Living in the Greenhouse" Describes the pioneering efforts of conservationists who have abandoned controversial discourses on the "greenhouse effect" in favor of environmental reclamation and preservation.

Aug. 21 (PBS) National Geographic Specials — "Those Wonderful Dogs" (R) Looks at the history of dogs and the role they play in hunting, war, herding, rescue efforts and helping the handicapped.

Aug. 22 (PBS) Nova — "In the Land of the Polar Bears" (R) Travels to beautiful and desolate Wrangel Island — a Soviet possession 300 miles off the coast of Alaska.

Aug. 26 (PBS) Wild America — "Living with Wildlife" (R) Examines the many roles of wildlife — economic, aesthetic, scientific, ecological and recreational — and illustrates how humanity can best preserve this heritage.

Aug. 27 (PBS) Innovation — "A New Perspective" Shows how art historians, curators and conservators use innovative scientific strategies to study and preserve works of art.

Aug. 28 (PBS) National Geographic Specials — "Mysteries of Mankind" (R) Explores the mystery of the origins of the human race, taking viewers around the world and millions of years into the past in search of clues.

Aug. 29 (PBS) Nova — "The Search for the Disappeared" (R) Examines how scientists in Argentina helped locate kidnapped children and identify thousands of the dead in the aftermath of a military reign of terror.