

## Science on the Air

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

**Jan. 5 (PBS) Wild America** — "Photographing Wildlife" Shares the secrets of wildlife photography in a behind-the-scenes story filled with moments of frustration and exhilaration.

**Jan. 8 (PBS) Nova** — "Return to Mt. St. Helens" Visits Mount St. Helens a decade after its cataclysmic eruption to learn how nature is recovering from the disaster.

**Jan. 9 (PBS) National Geographic Special** — "Cats: Caressing the Tiger" Profiles the common cat, which is the favorite pet of Americans, who own approximately 57.9 million of them.

**Jan. 9 (PBS) Scientific American Frontiers** This Soviet Union special includes segments on the long-term health effects of space flight and their implications for future missions; a recently uncovered Bronze Age city; the physics behind the Moscow circus' special effects; Soviet efforts to save the great bustard, one of the world's largest flying birds; and a father/son team of radiologists implanting coiled devices in legs to keep blood flowing freely through arteries.

**Jan. 12 (PBS) Wild America** — "Valley of the Elk" Investigates the controversy surrounding the National Elk Refuge in Wyoming.

**Jan. 13 (PBS) Nature** — "The Wild Shores of Patagonia" Showcases the various creatures of Patagonia including penguins, maras, guanacos, sea lions and killer whales.

**Jan. 15 (PBS) Nova** — "Confusion in a Jar" Explores the cold fusion controversy — and whether or not the experiment could ever mean limitless supplies of energy to the world.

**Jan. 17 (PBS) The Miracle Planet** — "The Third Planet" (R) Examines the puzzle of the Earth's beginnings and looks at the series of unique events that resulted in conditions conducive to the emergence of life.

**Jan. 19 (PBS) Wild America** — "Dancers of the Dawn" Showcases the six species of grouse, each with colorful vocal sacs and each with its own spectacular courtship dance.

**Jan. 20 (PBS) Nature** — "Footprints in the Valley" (R) Traces the evolutionary roots of the landscape and the different species found in the Great Rift Valley of eastern Africa.

**Jan. 20 (PBS) The New Explorers** — "A Twentieth Century Medicine Man" Travels deep into the Amazonian jungle to follow Indian tribes as they gather plants to treat their sicknesses. Dr. Mark Plotkin believes that if we can discover medicinal cures among the species of the tropical rain forest, we can not only save it from destruction, but save ourselves as well.

**Jan. 22 (PBS) Nova** — "Buried in Ice" (R) Investigates the frozen remains of members of the 19th-century Franklin Expedition to the Canadian Arctic and explores the reasons why 128 men perished.

**Jan. 23 (PBS) Smithsonian World** — "Gender: The Enduring Paradox" Explores the ever-changing role of gender in American society—from the formation of gender roles in early childhood to the socially constructed roles of masculinity and femininity experienced throughout life. Looks at the women's movement, fathers who nurture their children and cross-cultural differences between the sexes.

**Jan. 24 (PBS) The Miracle Planet** — "The Heat Within" (R) Reveals how the earth, more than 4.5 billion years after its creation, continues to release the tremendous heat of its interior, breaking continents apart, creating new lands and determining the location and concentration of the world's great mineral deposits.

**Jan. 26 (PBS) Wild America** — "The Incredible Shrew" Profiles the voracious tiny shrew, which will devour almost anything in its path, even creatures much larger than itself.

**Jan. 27 (PBS) Nature** — "Out of the Ashes" (R) Looks at some of the animals that live amid the lush vegetation of the ash-covered land surrounding volcanoes — includes such creatures as the wildebeest, wild dog, cheetah, zebra and the Thompson gazelle.

**Jan. 27 (PBS) The New Explorers** — "Mystery of the Lines" Examines the giant figures, shapes and lines — seen only from the air — etched in the Peruvian desert, or "pampa," which have puzzled people for thousands of years.

**Jan. 29 (PBS) Nova** — "The Chip vs. the Chess Master" Looks at the match between the computer chess champion and the human world titleholder.

**Jan. 31 (PBS) The Miracle Planet** — "Life From the Sea" (R) Tells the fascinating story of how ancient, living organisms originating in the sea helped to create an atmospheric balance that permitted the development of other life on land.

## 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.

**Handbook for Academic Authors, Revised Edition** — Beth Luey. A guide to publishing your journal article, dissertation, scholarly book or textbook. Luey — an editor, author and former publisher — covers every step in the process, from choosing a publisher and negotiating a contract, to producing suitable artwork. Includes a discussion of how to submit a manuscript on a computer disk. The concluding chapter explains the business of publishing — the costs of printing and reprinting, what factors affect these costs, and more. First edition published in 1987. Cambridge UP, 1990, 273 p., hardcover, \$32.50, paperback, \$12.95.

**Heart Failure** — Thomas J. Moore. A candid and controversial look at the heart-care industry. Moore reviews the industry's great achievements and its failings, discussing revolutionary therapies that are successful, drugs that are not, undisclosed risks in coronary angioplasty and bypass surgery (one of the most commonly performed major operations), and evidence that the dangers of high cholesterol have been exaggerated. He questions how much confidence we can have in a medical campaign that does not systematically measure its own costs, gains and losses. Published in hardcover by Random House in 1989. S&S, 1990, 308 p., paperback, \$9.95.

**Love's Executioner: and Other Tales of Psychotherapy** — Irvin D. Yalom. A psychotherapist tells the stories of 10 of his patients, illuminating the halting, uncertain path of therapy. Yalom's gripping accounts of individuals struggling to cope with what he terms the "givens" of existence — mortality, personal freedom and responsibility, ultimate aloneness, and life without obvious meaning — are equally memorable for their candid revelations of the therapist's own doubts and flaws. Originally published in hardcover in 1989. Basic, 1990, 270 p., hardcover, \$19.95, paperback, \$9.95.

**The Secret World of Pandas** — Byron Preiss and Gao Xueyu, Eds. This oversized (11½" x 16") book, a joint venture between publishers in China and the United States, explores the diminishing domain of the fewer than 1,000 giant pandas remaining in the wild. Magnificent color photographs depict the enchanting yet reclusive panda — now restricted to nearly inaccessible regions of the Himalayas — and short essays by panda specialists address the animal's evolution, its natural history and the difficulties of tracking and photographing such elusive creatures. Abrams, 1990, 80 p., color illus., paperback, \$24.95.

**Technological Risk** — H.W. Lewis. A physics professor evaluates the actual dangers of everyday life in the modern world, distinguishing them from apparent risks that generate a disproportionate amount of anxiety. In examining the relative threats of toxic chemicals, air and automobile travel, nuclear power, microwave radiation, the greenhouse effect and more, Lewis maintains that technology itself poses less risk than do bad policies, misdirected resources and a poorly informed public. Norton, 1990, 353 p., hardcover, \$22.95.