

Science on the Air

Science News prints the latest written word of scientific development and noteworthy news. We've set this space aside to inform our readers of programs of scientific interest that are scheduled on television and radio. Check your local listings for exact times. (R) indicates a repeat broadcast.

Nov. 3 (PBS) *Newton's Apple* — A fun, fast-paced weekly science series that answers viewers' questions with in-studio and on-location demonstrations. Saturdays.

Nov. 3 (PBS) *Nature* — "Ganges Gharial" Focuses on the gharial, a fish-eating crocodile native to India.



Raleigh Bond

Nov. 3 (PBS) *OWL/TV* — A new weekly series designed to enhance children's knowledge and enjoyment of the world around them. For 7- to 11-year-olds.

Nov. 4 (PBS) *The Brain* — "Stress and Emotions" (R) Two case histories frame this episode about pain, anxiety and behavior.

Nov. 5 (PBS) *Nova* — "The Magic of Special Effects" — Reveals the art of illusion, Hollywood-style, focusing on three blockbuster films — "Return of the Jedi," "Indiana Jones and the Temple of Doom" and "2010: The Year We Make Contact."

Nov. 10 (PBS) *Nature* — "One Man's Island" Follows artist and naturalist Keith Brockie, who spent a year on the Isle of May off Scotland painting the birds, seals, flowers and the rhythm of the seasons.

Nov. 11 (PBS) *The Brain* — "Learning and Memory" (R) Theories about brain organization, activity at the synapse and the hippocampus help unravel the mysteries of memory.

Nov. 12 (PBS) *Nova* — "Child Survival: The Silent Emergency" Examines the progress of the United Nations Children's Fund's program to eliminate curable diseases in the Third World, which take the lives of 7 million children a year.

Nov. 17 (PBS) *Nature* — "Selva Verde: The Green Jungle" Filmed in Belize, Central America, this program explores the natural history and ecology of forest plants and animals in the tropical rain forest.

Nov. 18 (PBS) *The Brain* — "The Two Brains" (R) Discusses the cortical hemispheres, the relationship between thought and language and sex differences of the human brain.

Nov. 19 (PBS) *Nova* — "Tornado!" Travels to Oklahoma to examine the new and increasingly accurate observation techniques used to forecast the arrival of a tornado.

Nov. 20 (PBS) *The Brain* — "Madness" (R) Compelling portraits of schizophrenics and their families underscore how much brain research has uncovered and what it has yet to accomplish.

Nov. 20 (PBS) *The Creation of the Universe* — Explores scientific evidence about the origin of the universe and its evolution over 15 billion years.

Nov. 24 (PBS) *Nature* — "The Plant Hunters" Profiles the story of plant hunting from the 16th century to the present. Also looks at the consequences of transporting major crop plants from one part of the world to another.



James Kyrie

Nov. 26 (PBS) *Comet Halley* — Examines the historical and scientific significance of comets, including Comet Halley, which is predicted to reappear in 1986. Also chronicles the first space mission ever launched to intercept a comet.



Edmond Halley

Nov. 26 (PBS) *Nova* — "Genes by Design" Explores the latest research being conducted in the area of gene therapy, including the ethical issues surrounding this new branch of medicine.

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 \$1.00 handling charge for each book, to **Book Order Service**, Science News, 1719 N Street, N.W., Washington, D.C. 20036. All books sent postpaid. Domestic orders only.

The Body Book: A Fantastic Voyage to the World Within — David Bodanis. A look at the extraordinary things that are happening inside your body every day of your life and how they affect the way you feel and act. Magnificent color and black and white illustrations throughout. Originally published in hardback in 1984. Little, 1985, 295 p., color/b&w illus., paper, \$16.95.

The Flamingo's Smile: Reflections in Natural History — Stephen Jay Gould. This collection of Gould's delightful and challenging essays from *NATURAL HISTORY* is, says the prologue, about history and what it means to say that life is the product of a contingent past, not the inevitable and predictable result of simple, timeless laws of nature. Quirkiness and meaning are Gould's themes in these essays. Norton, 1985, 476 p., illus., \$17.95.

Harper's Illustrated Handbook of Cats — Roger Caras, Ed. Color photographs and descriptions of the cat breeds and varieties recognized in the United States to help you choose the cat best suited to your style of living. Provides information on caring for your cat, including playing games, bathing, feeding difficulties, health problems and traveling with a cat. Har-Row, 1985, 191 p., color/b&w illus., paper, \$9.95.

Harper's Illustrated Handbook of Dogs — Roger Caras, Ed. An introduction to the world of dogs for those trying to choose a pet and for the dog owner who wants information on raising a puppy, caring for, training and showing a dog. Includes color photographs and descriptions of 160 breeds. Har-Row, 1985, 319 p., color/b&w illus., paper, \$9.95.

The Particle Connection: The Most Exciting Scientific Chase Since DNA and the Double Helix — Christine Sutton. This is the story of the search for the discovery of the W particle and its rarer companion the Z⁰ particle at CERN. Presents the prospects for a grand unification theory that will provide explanations for nature's forces in one theory. Conveys the "nitty-gritty" of experimental particle physics along with the excitement and suspense of scientific work. Originally published in hardback in 1984. S&S, 1985, 175 p., illus., paper, \$7.95.

Roundabout: The Physics of Rotation in the Everyday World — Jearl Walker. A collection of articles from "The Amateur Scientist" column in *SCIENTIFIC AMERICAN* that includes examples of rotation in the world around us. Racquetball, billiards and ballet, tops, boomerangs and a ride on a roller coaster all involve the physics of rotation and are discussed and illustrated. A bibliography covering each topic is included. WH Freeman, 1985, 70 p., illus., \$19.95, paper, \$11.95.

The Universal Machine: Confessions of a Technological Optimist — Pamela McCorduck. Explores the many different aspects of the computer revolution and the changes it has brought and will bring to society. McCorduck now sees the computer as the bridge between the humanities and the sciences, the machine of the century and the hope of the future. McGraw, 1985, 305 p., \$16.95.