

Science on the Air

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

Jan. 1 (PBS) Life Matters — “Rebuilding the Body” Tells how an artificial hard palate returned a man’s life to relative normalcy.

Jan. 3 (PBS) Nova — “Life’s First Feelings” (R) Traces the complex emotional development of infants as well as the current theory that early childhood psychological intervention can head off emotional problems later in life.

Jan. 4 (PBS) The Infinite Voyage — “The Great Dinosaur Hunt” Examines new evidence that is altering prevalent notions about the giant creatures that ruled the Earth for millions of years.

Jan. 5 (PBS) Science Journal Provides timely news on the week’s events in science, medicine and technology. Thursdays.

Jan. 5 (PBS) Only One Earth — “The Road to Ruin” (R) Looks at how development is harming the environment and the way of life for people in Senegal, Mexico and Scotland.

Jan. 7 (PBS) Wild America — “Cliffhangers” Travels to Montana’s Glacier National Park to examine the life story of the snow-white Rocky Mountain goat.

Jan. 8 (PBS) Nature — “Night Hunters” Travels worldwide to examine different types of owls and the unique characteristics that make them ideal nocturnal birds of prey.

Jan. 10 (PBS) Nova — “Spy Machines” (R) Investigates the spy planes and satellites that played a critical role in the 1962 Cuban missile crisis and how that chapter in history continues to influence arms control today.

Jan. 11 (PBS) Discover — **The World of Science** Follows a design team as it tests a microwavable ice-cream sundae, traces the biological roots of extreme shyness and outlines the important role of molecular biology in the breeding of endangered animal species that now exist only in captivity.

Jan. 12 (PBS) Only One Earth — “The Sinking Ark” (R) Examines humans’ dependence on the lifesaving drugs produced from nature and how that supply may be threatened.

Jan. 14 (PBS) Wild America — “White on White” Looks at the gyrfalcon, snowy owl, ptarmigan and snowshoe hare in the Arctic tundra, possibly the world’s harshest environment.

Jan. 15 (PBS) Nature — “The Legend of the Lightning Bird” (R) Features the hammer-headed stork, a legend among the tribes of east Africa’s savannah because of its purported ability to call lightning from the skies.

Jan. 17 (PBS) Nova — “Hot Enough for You?” Looks at the “greenhouse” effect, which portends higher temperatures, rising sea levels and other environmental problems.

Jan. 18 (PBS) National Geographic Special — “Baka: People of the Forest” Explores a primitive tribe in southeast Cameroon that adheres to a traditional lifestyle.

Jan. 19 (PBS) Only One Earth — “The Fate of the Forest” (R) Looks at forests in Czechoslovakia, Japan and Central America to see why their survival matters to the world.

Jan. 21 (PBS) Bodywatch — “Schizophrenia: Captor of the Mind” Looks at how medical science is helping schizophrenics reclaim their lives.

Jan. 21 (PBS) Wild America — “Family of Foxes” Marty Stouffer pursues these cunning hunters: the Arctic fox, the swift and kit foxes of the Southwest, the gray fox and the red fox.

Jan. 22 (PBS) Nature — “The Volcano Watchers” (R) Reveals the beauty, power and mystery of volcanoes in rare and dramatic footage of eruptions.

Jan. 24 (PBS) Nova — “The Last Journey of a Genius” Offers a profile of the Nobel Prize-winning physicist Richard Feynman.

Jan. 25 (PBS) Smithsonian World — “Web of Life” Examines the human quest to understand and control the genetic basis of life on Earth.

Jan. 28 (PBS) Bodywatch — “Why Can’t I Learn?” Enters the world of dyslexia and examines the controversy over educating dyslexic children.

Jan. 28 (PBS) Wild America — “Peculiar Plants” Reveals the plant kingdom’s most ingenious and dramatic reproductive techniques through time-lapse photography.

Jan. 29 (PBS) Nature — “Spirits of the Forest” (R) Unveils the unique lifestyle of the lemur, a primate found only on the island of Madagascar.

Jan. 31 (PBS) Nova — “The Strange New Science of Chaos” Explains how the science of chaos is making sense out of chaotic phenomena in nature.

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.

Animal Liberators: Research and Morality — Susan Sperling. The author states in the introduction that “Neither scientific vivisection nor animal liberation can be understood without examining the culture in which they have arisen.” She thus “anthropologizes” the burgeoning animal rights movement in the United States, which has in many cases affected the funding and research practices of U.S. scientists. She compares the movement to its Victorian predecessor in Great Britain in the 1880s, and explores the impact that 20th-century attitudes have on how we think about animals in relation to humans. U of Cal Pr, 1988, 247 p., illus., hardcover, \$19.95.

Body and Brain: A Trophic Theory of Neural Connections — Dale Purves. This neurobiologist presents, for the reader with a basic neurology background, the theory that changes in the size and form of the body of mammals and other vertebrates elicit corresponding changes in the connections of their nervous system. The author looks back on 80 years of ideas about these trophic interactions and states that this decidedly biological idea is fundamental to the way nerve cells respond to the stimuli of growth, injury, experience and natural selection. A glossary of terms is provided. Harvard, 1988, 231 p., illus., hardcover, \$35.00.

Mudpies to Magnets: A Preschool Science Curriculum — Robert A. Williams, Robert E. Rockwell, Elizabeth A. Sherwood. Activities to encourage scientific exploration in children aged 2 to 5. The activities are grouped by age levels, involve household items and can be initiated by parents or teachers. Gryphon Hse, 1987, 157 p., illus., paper, \$12.95.

Science for Children: Resources for Teachers. Prepared by the National Academy of Sciences and the Smithsonian Institution, this guide is intended as an aid for teachers and parents to find the resources needed to interest elementary-school-aged children in science. Reviews teaching kits in all areas of science, lists science activity books and magazines and books on teaching science, gives a directory of museums, professional associations and organizations. It does not include computer software, audiovisual materials or trade science books. Natl Acad Pr, 1988, 176 p., illus., paper, \$7.95.

Thursday’s Universe — Marcia Bartusiak. Describes for the general reader the view of the universe that has emerged from new knowledge in astronomy and astrophysics, and traces the historical roots of this view. Discusses such topics as stellar formation, black holes, quasars, the Big Bang and dark matter. Tells of the scientists working in this area, who, according to Bartusiak, are “intent on wresting the secrets of the heavens out of each photon of light and cosmic ray that happens to reach the Earth or a spaceborne detector.” A new epilogue spotlights supernova 1987A. Originally published in hardcover in 1986 by Times Books. Tempus, 1988, 314 p., illus., paper, \$8.95.