

Science on the Air

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

June 2 (CNN) Future Watch Explores global threats to the planet — environmental, ecological and technological — and the search for solutions. Saturdays.

June 2 (CNN) Healthweek Provides comprehensive coverage of medical and health issues. Saturdays.

June 2 (CNN) Science and Technology Week Covers the latest news in science and technology. Saturdays.

June 2 (PBS) Wild America — "Snake-dance" (R) Shows western diamondback rattlesnakes engaged in a hypnotic "combat dance" in an Oklahoma cave.

June 3 (PBS) Nature — "The Everglades Rain Machine" (R) Investigates the use of computers in managing the Everglades, North America's largest freshwater marsh, which has shrunk to about half its former size as a result of diking, draining and development.

June 5 (PBS) Nova — "The Controversial Dr. Koop" (R) A behind-the-scenes account of the former U.S. surgeon general, who speaks his mind on AIDS, smoking and abortion.

June 6 (PBS) Smithsonian World — "The Quantum Universe" (R) Illuminates a dilemma of modern physics — that astonishingly precise predictions can emerge from quantum theory even though its interpretation remains mysterious and controversial. Features scientists and artists inspired by the world of quantum mechanics, and includes a visit to the high-energy particle physics facility and the Harvard-Smithsonian Center for Astrophysics.

June 9 (PBS) Wild America — "Managing Wildlife" (R) Examines the complex but vital process of balancing human interests with those of wild creatures.

June 10 (PBS) Nature — "Night Hunters" (R) Looks at different kinds of owls and the unique characteristics that make them ideal nocturnal birds of prey.



Wolfgang Bayer Productions

June 12 (PBS) Nova — "Spy Machines" (R) Investigates the spy planes and satellites that played a critical role in the 1962 Cuban missile crisis and examines how that chapter in history continues to influence arms control today.

June 13 (PBS) Nova — "The Schoolboys Who Cracked the Soviet Secret" (R) Re-enacts a classic case of "classroom detection" in which British schoolboys tracked down a secret Soviet launch site.

June 13 (PBS) Survival Special — "Strictly for the Birds" (R) Showcases some of the 8,600 species of birds and demonstrates how their special talents for flight and speed have enabled them to colonize every continent and survive in virtually every climate on Earth.

June 16 (PBS) Wild America — "Pennsylvania Whitetail" (R) Profiles the whitetail deer — a familiar and beloved symbol of the wild as well as the number-one big-game prey of U.S. hunters.



U.S. Fish & Wildlife Service

June 17 (PBS) Nature — "Icebird" (R) Profiles the Adelie penguin, which nests in Antarctica each spring.

June 23 (PBS) Wild America — "Woodies and Hoodies" (R) Looks at two of the world's most beautiful ducks, the marked wood duck and the hooded merganser.

June 24 (PBS) Nature — "Extremadura: Spain's Forgotten Forest" (R) Showcases a vast Spanish wilderness of oak forests and rolling plains, which supports an array of animals usually found in Africa rather than Europe, including griffon vultures, imperial eagles and genets. Also looks at the much-maligned European wolf and the black vulture.

June 26 (PBS) Nova — "A Man, a Plan, a Canal, Panama" (R) Journeys across the Panama Canal with David McCullough, author of *The Path Between the Seas* (1978, Simon & Schuster), who recounts the human drama behind one of the world's greatest engineering achievements.

Books

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Beyond the Crime Lab: The New Science of Investigation — Jon Zonderman. Examines the history of forensics and the increasing role played by forensic scientists in criminal investigations. Case studies detail the use of psychological profiling, DNA fingerprinting, electrophoresis, electronic surveillance, magnetic resonance imaging and other scientific procedures used by law enforcement. Looks at ethical, moral and constitutional questions raised by these technologies. Wiley, 1990, 205 p., hardcover, \$19.95.

Exploring the Yangtze: China's Longest River — How Man Wong. A photojournalist follows the Yangtze from its mouth in Shanghai to its newly discovered source in the Tibetan high plateau. The 6,400-kilometer river cuts China in half, and one-third of China's population lives in its basin, according to the author. Wong chronicles nature and culture in stunning photographs and text. China Bks, 1989, 168 p., color illus., hardcover, \$29.95.

More Puzzles, Paradoxes and Brain Teasers — Stan Gibilisco. This sequel to *Puzzles, Paradoxes and Brain Teasers* offers the general reader additional challenges in mathematics and physics. Explore, for example, standards of position and motion; the possibilities of dimension; the nature of coincidence; and common perceptual illusions of sight, time and sound. TAB Bks., 1990, 127 p., illus., paperback, \$8.95.

The Nature Fakers: Wildlife, Science & Sentiment — Ralph H. Lutts. A well-researched book chronicling the mini-drama that raged in the early 1900s between naturalist John Burroughs and well-known nature writers such as Ernest Thompson Seton and William J. Long about humanizing animal characters and oversentimentalizing in literary descriptions of wildlife. Fulcrum, 1990, 255 p., illus., hardcover, \$22.95.

No More Sleepless Nights — Peter Hauri and Shirley Linde. Hauri, director of the Mayo Clinic's insomnia program, has gathered case studies from the program's sleep disorders study for this book. Details the many kinds of insomnia and explains available therapies. Hauri's program recommends meticulous record keeping and drug-free therapies. Wiley, 1990, 262 p., hardcover, \$19.95.

The Secret Life of Quanta — M.Y. Han. A physics professor explains for the general reader how the laws of quantum physics govern the high-tech world of computers, communications and superconductivity. He examines, among other things, the basic properties of atoms, including the importance of structure and hydrogen bonds; the nature of light, electricity and magnetism, including photons and fluorescence; and semiconductors, lasers and nuclear technology. Han's well-illustrated text reveals how these technologies will affect the future. TAB Bks, 1990, 183 p., illus., hardcover, \$17.95.