

Science on the Air

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

Oct. 1 (PBS) Survival Specials – “The Wonderful Kangaroo” Investigates Australia's controversial management of the kangaroo, its national animal. The Australian government has sanctioned the shooting of kangaroos, claiming this is the only way to ensure the species' survival.

Oct. 1 (PBS) Infinite Voyage – “The Keepers of Eden” Examines research programs in the forefront of the battle to preserve and protect rare animals.

Oct. 2 (PBS) Global Dumping Ground Reveals how the export of toxic waste to Third World countries has become an enormous business in the United States.

Oct. 2 (PBS) Survival Specials – “The Incredible Flight of the Snow Geese” Follows the migration of the 300,000 snow geese that nest on the Canadian tundra and fly south to Texas and the Mississippi Delta.

Oct. 6 (CNN) Future Watch Explores global threats to the planet – environmental, ecological and technological – and the search for solutions. Saturdays.

Oct. 6 (CNN) Healthweek Provides comprehensive coverage of current medical and health issues. Saturdays and Sundays.

Oct. 6 (CNN) Science and Technology Week Examines the latest news in science and technology. Saturdays and Sundays.

Oct. 6 (PBS) Newton's Apple Focuses on the use of water and the environmental issues surrounding wetlands, rivers, lakes and glaciers.

Oct. 7 (PBS) Nature – “Monkeys on the Edge” Highlights the colorful golden lion tamarin, the tiny buffy-headed marmoset and the muriqui – South America's largest monkey – as they cling precariously to the tropical jungle of the Atlantic coastal forest, now reduced to 5 percent of its former size.

Oct. 9 (PBS) Nova – “Neptune's Cold Fury” Journeys to the outer limits of the solar system to visit the mysterious planet of Neptune.

Oct. 10 (PBS) Scientific American Frontiers Examines how roller coasters work, how Hurricane Hugo wreaked havoc on the endangered red-cockaded woodpecker, how some mammals lower their body temperatures below freezing, and how facial expressions both indicate and influence emotions.

Oct. 11 (PBS) Antarctica: A Presence on the Ice Looks at humans' environmental impact on Antarctica, including tourism, claims for mineral exploration, and the dumping of waste from research stations designed to study life on the continent. Explores the complexities involved in meeting the needs of scientific study while preserving the world's only “unspoiled” continent.

Oct. 14 (PBS) Nature – “Scandinavia: Land of the Midnight Sun, Fresh Waters, Salt Seas” Explores the natural history of Norway and Sweden, where extremes of climate and environment constantly challenge the lives of native wildlife and humans. The two-part program travels from the southern Swedish archipelago with its seals and ospreys to the Norwegian cape with its whales.

Oct. 14 (PBS) Innovation – “Beyond a Reasonable Doubt” Explores obsessive-compulsive disorder and examines recent research indicating that this form of mental illness has its roots in the chemistry of the brain. Drug treatment now offers hope to many whose lives have been ruled by the uncontrollable urge to engage in obsessive-compulsive behaviors.

Oct. 16 (PBS) Nova – “To Boldly Go . . .” Chronicles the Voyager mission from Earth to the edge of the solar system, looking at Jupiter, Saturn, Uranus and dozens of moons on the way.

Oct. 21 (PBS) Seasons of Life – “Infancy and Early Childhood” Examines human life from the moment of conception to the dawn of self-awareness.

Oct. 22 (PBS) Survival Specials – “Igapo: Quest in the Flooded Forest” Travels to the flooded rain forest of Ecuador, home of the hoatzin (SN: 10/21/89 p.269). This strange and primitive bird is born with two claws on each wing.

Oct. 28 (PBS) Nature – “Serpents” Examines the natural history of the snake and its relationship with humans.

Oct. 28 (PBS) Seasons of Life – “Childhood and Adolescence” Journeys from age 6 to 20, examining the biological clock of adolescence.

Oct. 28 (PBS) Innovation – “Only a Memory?” Addresses key questions regarding memory: What is memory and how does it work? Is what we remember reality or merely a creation of our subconscious? Can memory be manipulated by dreams or hypnosis?

Books

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About Time: Inventing the Fourth Dimension – William J. Friedman. Why do the years seem to pass more slowly when we are younger? In this psychological probe into the fourth dimension, Friedman presents research results concerning the human experience of time in precise, accessible language, explaining technical terms as they arise. An in-depth look at the psychology of perception, memory and temporal orientation, and at how these views of time develop in children and vary according to culture, personality type and mental state. MIT Pr, 1990, 147 p., charts & diagrams, hardcover, \$19.95.

The Concise Oxford Dictionary of Mathematics – Christopher Clapham. This alphabetically arranged reference defines terms drawn from all topics covered in pure mathematics courses. Does not include terms from statistics, computing and applied mathematics. Oxford U Pr, 1990, 203 p., illus., hardcover, \$29.95, paperback, \$7.95.

Peacemaking Among Primates – Frans De Waal. “In a decade in which peace has become the single most important public issue, it is essential to introduce the accumulated evidence that, for humans, making peace is as natural as making war,” the author asserts. He recounts his observations of four primate species, presenting startling descriptions, anecdotes and photographs to explain the nature of primate reconciliation. Essential, thought-provoking reading for anyone interested in our own peacemaking behavior. Originally published in hardcover in 1989. Harvard U Pr, 1990, 294 p., illus., hardcover, \$29.95, paperback, \$12.95.

Sportswise: An Essential Guide for Young Athletes, Parents, and Coaches – Lyle J. Micheli. The author, a past president of the American College of Sports Medicine, reviews the most common sports injuries among children, discussing how to treat them and how to help prevent them through nutrition, conditioning and coaching. He includes chapters on the special considerations of young female athletes, handicapped athletes and children with chronic illnesses. A reassuring reference for anyone with an athletic child. Houghton Mifflin, 1990, 300 p., paperback, \$9.95.

Why Children Reject School: Views From Seven Countries – Colette Chiland and J. Gerald Young, Eds. Mental health professionals from around the world examine school nonattendance in the United States, France, West Germany, Brazil, Denmark, England and Japan. Contributors approach the phenomenon from psychiatric, psychoanalytic, social, educational and psychological perspectives and propose solutions based on their own research. This is Volume 10 of *The Child in His Family*, a yearbook of the International Association for Child and Adolescent Psychiatry and Allied Professions. Yale U Pr, 1990, 229 p., hardcover, \$30.00.