

Science on the Air

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

Oct. 1 (PBS) Innovation — "Getting a Handle on Stress" Looks at stress-management techniques, and how laughter can reduce stress.

Oct. 1 (PBS) Wild America — "Woodpeckers: Nature's Hammerheads"(R) Looks at the birds that whack away at tree trunks with extraordinary force in their search for food and shelter.

Oct. 2 (PBS) The Infinite Voyage — "The Geometry of Life"(R) Presents the exciting frontier of exploration into the micro-world of cells and molecules.

Oct. 4 (PBS) Nova — "Can the Vatican Save the Sistine Chapel?" Observes the science of restoring old art, focusing on the controversy surrounding the Sistine Chapel.

Oct. 6 (PBS) Science Journal Provides timely news in science, medicine and technology. Thursdays.

Oct. 8 (PBS) Wild America — "Designs for Defense"(R) Looks at the numerous and varied ways wild animals have evolved to ensure their survival.

Oct. 9 (PBS) Nature — "Bonebreaker's Mountain" Travels to the Spanish Pyrenees to visit a vulture that scavenges bones on the harsh mountain peaks.

Oct. 11 (PBS) Nova — "Can the Next President Win the Space Race?" Reviews the status of the U.S. space program and how each presidential candidate views its future.



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Oct. 12 (PBS) The Explorers: A Century of Discovery Showcases some of the world's greatest explorers and expeditions.

Oct. 12 (PBS) The Mind — "The Search for the Mind" Examines the uniqueness of the human mind and the nature of the conscious and the unconscious.

Oct. 15 (PBS) Wild America — "Cutthroat—Yellowstone Lake"(R) Explores the underwater environment of the cutthroat trout.

Oct. 16 (PBS) Nature — "Extremadura: Spain's Forgotten Forest" Explores the vast wilderness of Spain that is home to many animals usually found in Africa.

Oct. 18 (PBS) Nova — "Goddess of the Earth"(R) Investigates a controversial hypothesis contending that life on Earth controls the environment.

Oct. 19 (PBS) The Mind — "Development" Traces the mind of a child in its development from a single cell to a 6-year-old brain.

Oct. 22 (PBS) Wild America — "Cutthroat—Yellowstone River"(R) Further examines the lives and habits of the cutthroat trout.

Oct. 23 (PBS) Nature — "A Season in the Sun"(R) Explores the contrasting landscapes of East Africa.

Oct. 24 (PBS) Smithsonian World — "The Living Smithsonian" Celebrates the people committed to creating museums that reflect the aspirations and accomplishments of the American people.

Oct. 25 (PBS) Nova — "Do Scientists Cheat?" Examines the extent of fraud in scientific research and whether it can undermine science and scientists.

Oct. 26 (PBS) The Mind — "Aging" Details what happens to the brain and mind during the aging process and questions some long-held stereotypes about older people.

Oct. 29 (PBS) Wild America — "Cutthroat—Grizzly Creek"(R) Delves into the life cycle of the trout by filming its spawning ritual.



Oct. 31 (PBS) Survival Special — "It's a Frog's Life" Looks at the world of the frog and how its permeable skin and low-energy metabolism have enabled it to adapt to climatic change and to invade new environments.

Books

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The Facts on File Dictionary of Marine Science — Barbara Charton. Containing nearly 2,000 entries, this illustrated dictionary is a ready reference to the basic vocabulary of marine science for students, professionals and the general reader. Facts on File, 1988, 326 p., illus., \$22.95.

The Great Devonian Controversy: The Shaping of Scientific Knowledge among Gentlemanly Specialists — Martin J.S. Rudwick. The Devonian controversy began as a dispute about the identification and correct sequence of strata in Devonshire, England. It has now been largely forgotten because geologists use and take for granted the Devonian system. The controversy is important today because it was a good example of a scientific debate that resulted in a significant new piece of knowledge. Here this controversy is traced and analyzed in detail for those with little or no previous knowledge of geology or of the early 19th century. Originally published in hardback in 1985. U of Chicago Pr, 1988, 494 p., illus., paper, \$19.95.

Hidden Connections, Double Meanings — David Wells. This book is about solving mathematical riddles or problems by "seeing," sometimes with the eyes and sometimes without. "We can," says the author, "see with our brains, with our minds. . . . Our brains work below our conscious thoughts, making sense, making connections, and frequently surprising us." Hints for the solutions to the problems are supplied and in the final section solutions to the problems are given. Cambridge U Pr, 1988, 164 p., illus., paper, \$14.95.

Making the Words Stand Still — Donald E. Lyman, foreword by Robert S. Sloat. A master teacher who himself is dyslexic presents here his methods for helping students overcome specific learning disability and dyslexia. Originally published in hardback in 1986. HM, 1988, 272 p., paper, \$8.95.

Rodale's Garden Insect, Disease & Weed Identification Guide — Miranda Smith and Anna Carr. A well-illustrated reference to the insects, diseases and weeds that can invade the garden. Describes the invaders, giving the range, life cycle and, for the insects and diseases, host plants. Feeding habits of the insect pests are covered, as is disease transmission. The prevention of and organic control of each invader is given. Rodale Pr, 1988, 328 p., illus., \$21.95, paper, \$15.95.

Superstrings: A Theory of Everything? — P.C.W. Davies and Julian Brown. These interviews with leading physicists involved in superstring research and critics of string theory were done for a 1988 BBC documentary on the state of superstring research. Preceding the interviews is an extensive introduction in which the background ideas needed for an understanding of the theory are explained. Includes brief accounts of quantum physics, the theory of relativity and particle physics. Cambridge U Pr, 1988, 234 p., illus., paper, \$10.95.