

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 and dates. (R) indicates a repeat broadcast.

Dec. 1 (PBS) NOVA — "Ancient Treasures from the Deep" Travels to the Mediterranean Sea to uncover the mysteries of the oldest known shipwreck.

Dec. 6 (PBS) Nature — "Tiger!" Journeys to India to document a mother tiger raising three cubs in the wild, including rare footage of the eight-week-old tiger cubs.

Dec. 8 (PBS) NOVA — "Riddle of the Joints" Focuses on rheumatoid arthritis, a crippling inflammation of the joints with no known cause or cure.



Dec. 13 (PBS) Nature — "The Holy Land: A Wilderness Like Eden" (R) Explores the barren wilderness of the Holy Land, the section of the Rift Valley that sweeps north from Kenya to Turkey.

Dec. 14 (PBS) The Making of a Continent — "Collision Courses" (R) Looks at how cataclysmic explosions, violent volcanic eruptions and titanic forces built North America's mountain ranges.

Dec. 9 (PBS) Discover — "The World of Science" Investigates obesity, underground tombs in Egypt and what humans can learn from dolphins.

Dec. 12 (PBS) Wild America — "Wild Babies" (R) Looks at young animals as they learn important lifesaving skills and have fun while attending the wilderness "school of survival."



Dec. 15 (PBS) NOVA — "Secrets of the Lost Red Paint People" Looks at the advanced seafaring "Red Paint People" of North America and the mysteries of their ancient culture.

Dec. 19 (PBS) Wild America — "Pennsylvania Whitetail" (R) Focuses on the beautiful white-tailed deer and its tragic role as the chief target of American hunters.

Dec. 20 (PBS) Nature — "The Holy Land: Sweet Water, Bitter Sea" (R) Looks at the salty waters of the Dead Sea, which contain a number of chemicals that poison living things.

Dec. 21 (PBS) The Making of a Continent — "The Rich High Desert" (R) Shows how ferocious winds, immense glaciers and prehistoric seas formed the North American continent.

Dec. 22 (PBS) NOVA — "Will the World Starve?" (R) Profiles the soil crisis in world agriculture, a plight that has already resulted in massive starvation.

Dec. 26 (PBS) Wild America — "Woodies and Hoodies" (R) Reveals the differences between the exquisitely marked wood duck, or "Woody," and the elegant hooded merganser, or "Hoody."

Dec. 27 (PBS) Nature — "America's Wild Horses" (R) Features an insightful view of the American mustang, a living metaphor for the settling of our continent.

Dec. 28 (PBS) The Making of a Continent — "The Great River" (R) Explores the natural occurrences that shaped the Mississippi River and why the river is both a blessing and curse.

Dec. 29 (PBS) NOVA — "The Desert Doesn't Bloom Here Anymore" (R) Examines the plight of the world's farmers as their land turns to desert due to mismanagement of water resources.



Dec. 29 (PBS) The Politics of Food Discusses the real reasons for hunger in the midst of plenty, with a look at international aid organizations, foreign aid from superpowers and the plight of the small farmer.

Books

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The Bog Man and the Archaeology of People

— Don Brothwell. An up-to-date, explicitly illustrated account of the Lindow Man, the research surrounding this bog man and the wide range of information gathered so far. Relates the Lindow Man, whose preserved body probably dates back to the 1st century A.D., to the worldwide investigations on archaeological bodies. Harvard U Pr, 1987, 128 p., color/b&w illus., \$20, paper, \$9.95.

Clouds in a Glass of Beer: Simple Experiments in Atmospheric Physics — Craig F. Bohren, foreword by Jearl Walker. Uses simple demonstrations and experiments that can be done without special or expensive equipment to help convey the physics of the atmosphere. Wiley, 1987, 195 p., illus., paper, \$12.95.

A Crowded Ark — Jon R. Luoma. Reviews the history of zoos and then closely examines the ways in which modern zoos have become animal research centers and are attempting to encourage the survival of endangered species, to perpetuate diversity in captive breeding programs and to provide wildlife education to the public. Discusses the challenges and issues in the survival of zoos and their inhabitants. HM, 1987, 209 p., \$17.95.

Dictionary of Computers, Information Processing, and Telecommunications — Jerry M. Rosenberg. More than 10,000 entries are included, and definitions for both the expert and the newcomer to the field are contained here. This second edition has been updated and expanded to reflect the advances in information technology. Wiley, 2nd ed., 1987, 734 p., paper, \$18.95.

The Search for Solutions — Horace Freeland Judson. Aimed at the general reader, this is an introduction by a well-known scientist to how we know what we know. Originally published in 1980, this abridged edition contains the complete text but excludes the color illustrations and their captions. The bibliography was revised for this edition. Johns Hopkins, 1987, 266 p., illus., paper, \$9.95.

The Second Creation: Makers of the Revolution in Twentieth-Century Physics — Robert P. Crease and Charles C. Mann. The story of the quest for a unification theory in physics that would explain the foundations of matter, space and time. Describes, for the general reader, the scientists involved in the search and conveys the excitement of the scientific enterprise. Originally published in hardback in 1986. Macmillan, 1987, 480 p., paper, \$11.95.

The Underground Atlas: A Gazetteer of the World's Cave Regions — John Middleton and Tony Waltham. The world's karst regions are described in alphabetical order under individual countries. Includes all major cave areas of the world, giving their distinctive characteristics. Only a limited number of individual caves that the authors felt to be most important or interesting have been featured. A brief glossary of specialized caving terms is included. Originally published in Great Britain. St. Martin, 1987, 239 p., illus., \$16.95.