

Science on the Air

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

Sept. 1 (PBS) Science Journal Provides timely news in science, medicine and technology. Thursdays.

Sept. 3 (PBS) Innovation — "Clearing the Air" Looks at the problem of outdoor air pollution while visiting an antipollution research facility.

Sept. 3 (PBS) Wild America — "Fishers in the Family, Part I" (R) Looks at the fisher, a cat-sized member of the weasel family.

Sept. 4 (PBS) On Shifting Sands Travels to Lake Erie's Presque Isle to explore the conflicts among environmentalists, developers, recreationalists and the force of nature itself as the relentless sea advances.

Sept. 6 (PBS) Nova — "The Brutal Craft: Pioneers of Surgery" Examines the early stages of the revolution in surgery, when medical science overcame the problems of pain, infection and blood loss.

Sept. 7 (PBS) The Africans — "The Nature of a Continent" (R) Examines Africa as the birthplace of humankind and discusses the impact of geography on African history.

Sept. 7 (PBS) The Infinite Voyage — "The Search for Ancient Americans" Looks at the technology that helps scientists learn more about the hunters who crossed the Bering land bridge thousands of years ago.

Sept. 10 (PBS) Innovation — "The Plague on the Parasites" Looks at how breakthroughs in biotechnology are transforming the prospects for a malaria vaccine.

Sept. 10 (PBS) Wild America — "Fishers in the Family, Part II" (R) Visits adolescent fishers as they grow to adulthood.

Sept. 11 (PBS) The Infinite Voyage — "Unseen Worlds" (R) Journeys from the smallest parts of matter to the farthest reaches of the universe to see through the eyes of science what is beyond our everyday experience.

Sept. 12 (PBS) National Geographic Specials — "The Grizzlies" (R) Travels over North America to document the public and private lives of the grizzly bear.

Sept. 14 (PBS) Sea Turtles' Last Dance Looks at humans' role in causing the drastic reduction in the world's sea turtles and at efforts by scientists and environmentalists to save them.

Sept. 14 (PBS) The Africans — "A Legacy of Lifestyles" (R) Explores how contemporary African lifestyles are influenced by indigenous, Western and Islamic factors.

Sept. 17 (PBS) Wild America — "Photographing Wildlife" (R) Shows the frustration, exhilaration and secrets of wildlife photography.

Sept. 18 (PBS) The Infinite Voyage — "To the Edge of the Earth" (R) Examines research in little-known regions including the Galápagos Islands.

Sept. 19 (PBS) National Geographic Specials — "Treasures from the Past" (R) Focuses on a group of people who restore historical treasures.



Sept. 20 (PBS) Nova — "New Organs for Old: Pioneers of Surgery" Looks at the experiments over the decades of transplanting different tissues and organs in the quest to cure illnesses.

Sept. 21 (PBS) The Africans — "New Gods" (R) Examines the factors that influence religion in Africa.

Sept. 24 (PBS) Innovation — "Obsessive-Compulsive Disorder" Takes a look at obsessive-compulsive disorder: what it is, its treatment and hopes for the future.

Sept. 24 (PBS) Wild America — "North Woods Lynx" (R) Looks at the lynx and its relationship with its primary quarry, the snowshoe hare.

Sept. 25 (PBS) The Infinite Voyage — "Fires of the Mind" (R) Delves into the development of human intelligence and how cells, electrical signals and chemicals compose the human brain.

Sept. 27 (PBS) Nova — "Beyond the Knife: Pioneers of Surgery" Addresses the ethical questions arising from the rush to do experimental surgery.

Sept. 28 (PBS) The Africans — "Tools of Exploitation" (R) Discusses Africa's history of having its human and natural resources exploited.

Sept. 28 (PBS) Survival Specials — "The Forbidden Desert of the Danakil" (R) Features a tribe of Ethiopian nomads who are considered the most hostile people on Earth.

Books

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Ancient Egypt: The Land and Its Legacy — T.G.H. James. The former Keeper of Egyptian Antiquities at the British Museum relates the wealth of Egyptian artifacts in museums all over the world to the places from which they came. This beautifully illustrated book follows the Nile from the Delta region to Upper Egypt and Nubia, describing and highlighting the significance of the great sites such as Memphis, Abydos and Thebes. U of Tex Pr, 1988, 223 p., color/b&w illus., \$29.95.

The Conquest of the Microchip — Hans Queisser, translated from the German by Diane Crawford-Burkhardt. Describes for the general reader the early history of the new science of crystals as it developed in Europe. Traces the technological applications of that science as it moved to the United States and then to Japan. Introduces some of the scientists whose contributions were fundamental to the understanding of the physics of crystals. Takes a look at the future promised by microelectronics. Harvard U Pr, 1988, 200 p., illus., \$24.95.

Globalization of Technology: International Perspectives — Janet H. Muroyama and H. Guyford Stever, Eds. Rapid technological innovation and the proliferation of transnational organizations are creating, according to this report, a global economy that sometimes conflicts with nationalistic concerns. This book, based on an international conference, provides an overview of these issues and discusses such areas as the changing nature of international competition and influences of new technologies on international trade. Natl Acad Pr, 1988, 216 p., charts & graphs, \$32.50, paper, \$22.50.

The People of the Bat: Mayan Tales and Dreams from Zinacantán — Collected and translated by Robert M. Laughlin, Carol Karasik, Ed. In Zinacantán, a small Maya community in the highlands of Chiapas, Mexico, dreams are as real as daily life. Smithsonian anthropologist Laughlin spent more than 20 years working with these Maya, learning the Tzotzil language and listening to them describe their dreams and myths. Smithsonian, 1988, 282 p., illus., \$24.95.

The Water Planet: A Celebration of the Wonder of Water — Lyall Watson. "Water is a scientific freak," says the introduction. It has the rare property of being denser as a liquid than as a solid and is the only chemical compound that can be found naturally in solid, liquid and gaseous states. The 326 million cubic miles of water are what keeps the surface of this planet habitable. This book is a portrait in words and magnificent photographs of fresh water — a small part of the planet's water that is locked in ice caps and glaciers, gathered in lakes and flowing through the soil and rivers. Crown, 1988, 206 p., color photographs by Jerry Derbyshire, \$30.