

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. (R) indicates a repeat broadcast.

Sept. 1 (PBS) Survival Specials—“Battle of the Bison Forest” (R) Recounts the story of the Bialowieza Forest Preserve in Poland, which today protects the bison and many other animals.

Sept. 2 (PBS) Nova—“The Rise of a Wonder Drug” (R) Reveals the story of the men who worked behind the scenes to develop penicillin.

Sept. 4 (PBS) Living Wild—“Days of the Jackal” (R) A tale of two jackals that mate for life and share equally in the care of their young.

Sept. 5 (PBS) Reading Rainbow — “Louis the Fish” (R) For children. Stars LeVar Burton in an exploration of exotic marine life.

Sept. 6 (PBS) Innovation — “Monthly Miseries: Premenstrual Syndrome” Examines the facts and fiction surrounding PMS.

Sept. 8 (PBS) Survival Specials — “The Great Migration: Year of the Wildebeeste” Traces the wildebeeste migration on the East African Serengeti plain.

Sept. 8 (PBS) Reading Rainbow — “Space Case” (R) For children. LeVar Burton visits the majestic cliffs of Carmel, Calif.; a telescope at the Lick Observatory; and the world's largest radiotelescope.

Sept. 9 (PBS) Nova — “When Wonder Drugs Don't Work” (R) Examines the medical community's alarm at the spread of antibiotic-resistant bacteria.

Sept. 9 (PBS) Reading Rainbow — “The Milk Makers” (R) Children learn how milk travels from the dairy cow to the neighborhood supermarket.

Sept. 11 (PBS) Living Wild — “The Search for the Giant Otter” (R) Records the search for the elusive giant otter, one of the most threatened animals in the world.

Sept. 11 (PBS) Reading Rainbow — “Germs Make Me Sick” (R) For children. LeVar Burton explores the world of microorganisms.

Sept. 13 (PBS) Innovation — “Dyslexia: Disabled or Different?” The latest information concerning impaired communication skills, a problem that affects 60 million people in the United States.

Sept. 15 (PBS) 3-2-1 CONTACT — “Signals Week” This children's science show runs Monday through Friday with repeats on Sunday. Each week explores a single theme. This week the show studies a vast assortment of signals ranging from satellite communications to sign language.

Sept. 18 (PBS) Living Wild — “Zebras: Struggle for Survival” (R) Documents the zebra's ceaseless battle for survival in East Africa's Ngorongoro crater.

Sept. 20 (PBS) Innovation — “The Bald Facts” Investigates new treatments for baldness and examines some of the psychological impact of this condition.

Sept. 22 (PBS) 3-2-1 CONTACT — “Oceans Week” This week's shows explain how to move a whale, why the ocean is salty and what kelp is doing in our toothpaste.

Sept. 23 (PBS) “Visions of ‘Star Wars’: A Nova/Frontline Special Report” Nova and Frontline combine resources to explore the Strategic Defense Initiative.

Sept. 24 (PBS) Native Land—Shot on location in Ecuador, Peru and New York, this film chronicles the cultural history of native Americans from 65,000 B.C. through the ascendancy of highly developed civilizations.

Sept. 25 (PBS) Living Wild—“The Dusts of Kilimanjaro” (R) This last show of the series traces the effects of tourism, overgrazing and other environmental pressures on Amboseli National Park in East Africa.

Sept. 27 (PBS) Innovation — “Flights of Fancy” Explores the Daedalus Project (SN:4/12/86,p.229), sponsored by MIT, which teams up engineers with human physiologists. The goal is to design and build a human-powered aircraft that will make the 69-mile flight from the island of Crete to the Greek mainland.

Sept. 29 (PBS) 3-2-1 CONTACT — “Motion Week” Examines the basic forces of nature that influence all motion.

Sept. 30 (PBS) Managing Our Miracles: Health Care in America — “Truth and Confidences” Yale President Benno C. Schmidt Jr. moderates a panel discussion investigating the harvesting and distribution of organs for transplant operations.

Sept. 30 (PBS) Nova — “A Normal Face: The Wonders of Plastic Surgery” (R) Looks at the history, heroes and miracles of plastic surgery in mending the ravages of birth and war.

Books

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The Facts on File Dictionary of Science — E. B. Uvarov and Alan Isaacs. In this sixth edition of this science dictionary, originally published in 1943 and last revised in 1979, many new words have been added and many existing entries have been updated and expanded. Also published in paperback as *The Penguin Dictionary of Science*. (See listing below.) Facts on File, 6th ed., 1986, 468 p., \$21.95.

The History of Scurvy and Vitamin C — Kenneth J. Carpenter. Describes the work of a small number of people who tried over five centuries to understand the cause of this strange disease and to find the means of its prevention and cure. Includes a discussion of the needs and uses of vitamin C from World War II to 1985. Cambridge U Pr, 1986, 288 p., illus., \$39.50.

No-Dig, No-Weed Gardening — Raymond P. Poincelot. Uses text and photographs to present a step-by-step system for gardening without digging or weeding. Each chapter introduces key elements of the method, then tells how to put them to work in a brand new garden, an established garden or even a problem garden. Rodale Pr, 1986, 264 p., illus., \$17.95, paper, \$10.95.

The Penguin Dictionary of Science — E. B. Uvarov and Alan Isaacs. This is the sixth edition, here published in paperback. The hardback is listed above as *The Facts on File Dictionary of Science*. Penguin, 1986, 468 p., paper, \$7.95.

Prehistoric Avebury — Aubrey Burl. Deals with two mysteries: Why Avebury, the prehistoric stone circles on the Marlborough Downs, which predate Stonehenge, has received so little attention; and what Avebury was used for. This beautifully illustrated book discusses Avebury today, where one can still wander among these fascinating stones, and relates the destruction of and excavations at this prehistoric site. Tells of the time before Avebury, sets the scene for the building of the stone circles and details the five-century construction and its purpose. Originally published in hardback in 1979. Yale U Pr, 1986, 275 p., color/b&w illus., paper, \$12.95.

To Utopia and Back: The Search for Life in the Solar System — Norman H. Horowitz. The former head of the Jet Propulsion Laboratory's bio-science section for the Mariner and Viking missions explains for the general reader the chemical and biological conditions necessary for any life to survive and evolve. Describes the microbiological experiments that were designed to test for life on Mars and tells what was learned from them. W H Freeman, 1986, 168 p., color/b&w illus., \$17.95, paper, \$11.95.

World Resources 1986: An Assessment of the Resource Base that Supports the Global Economy — The World Resources Institute and The International Institute for Environment and Development. The purpose of this volume, the first in an annual series, is to contribute to better management of the environment by providing accessible, accurate information on global resources and the environment together with analyses of that information. Basic, 1986, 353 p., illus./charts & graphs, \$32.95, paper, \$16.95.