

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.

June 1 (PBS) Spaceflight — "One Giant Leap" (R) Traces the U.S. Apollo missions from Apollo 1 to Neil Armstrong's first steps on the moon and looks at Soviet achievements and setbacks.

June 2 (PBS) Nova — "Acid Rain: New Bad News" (R) Travels to West Germany, the Mid-Atlantic states and New England to examine the controversy surrounding this phenomenon.

June 3 (PBS) Survival Special — "Wild Seas, Wild Seals" (R) Follows Tony and Liz Bomford during their six months of filming two species of seals in the Outer Hebrides.

June 4 (PBS) Wild America — "Feathered Jewels" (R) The many species of the exquisite, iridescent hummingbird are seen in an extreme slow-motion sequence that reveals all of their beauty.

June 6 (PBS) Bodywatch — "Good Shot" (R) Explores the risks and benefits of vaccines routinely administered to children and looks at current efforts to develop vaccines without side effects.

June 7 (PBS) Nature — "Battle of the Leaves" (R) An investigation of leaves and their natural defense mechanisms in three different climates: desert, temperate woodland and tropical forest.

June 8 (PBS) Spaceflight — "The Territory Ahead" (R) This updated version of the original program retraces the history of the U.S. space shuttle and looks at the long-range impact of the Challenger disaster.

June 9 (PBS) Nova — "Sail Wars!" (R) An updated "Sail Wars!" looks at Yankee ingenuity in its quest to retrieve the America's Cup.

June 11 (PBS) Wild America — "Ringtailed Rascals" (R) A look at the raccoon, ringtail and coatimundi, which combine the features of several other animals in a special way.

June 13 (PBS) Bodywatch — "Sports Without Pain" (R) A number of sports medicine specialists discuss the most common sports injuries, how to avoid them and how to heal them.

June 13 (PBS) Innovation — "Blood: The Vital Humor" (R) Investigates why — despite recent efforts to make it safe — the nation's blood supply remains a reservoir of viral infection.

June 14 (PBS) Nature — "The Gooneys of Midway" (R) An ecological and historical look at Midway Island in the Pacific. The island was a battleground in World War II and serves as a breeding ground to gooney birds.

June 16 (PBS) Nova — "The Planet That Got Knocked on Its Side" (R) Examines the new knowledge scientists gained from the Voyager 2 space mission to Uranus.

June 18 (PBS) Wild America — "Canyon Creatures" (R) Visits Monument Valley, the Grand Canyon and the sandstone arches of Utah to learn how these spectacular landscapes exert a powerful influence on the wild creatures that live within their realms.

June 20 (PBS) Bodywatch — "Heart Help" (R) Looks at new advances in the fight to combat heart disease. The program explores the wisdom of starting preventive measures during childhood and the value of cholesterol-lowering drugs.

June 20 (PBS) Innovation — "Footwork" (R) Examines the Electrodiagnosis (EDG), a new, high-tech method of diagnosing foot problems. Improved surgical techniques, "Band-Aid" surgery, proper types of footwear and do-it-yourself suggestions for foot care are explored.

June 21 (PBS) Nature — "Emas: High Plains of Brazil" (R) Some of South America's strangest and rarest animals are featured in this visit to a national park in central Brazil.

June 25 (PBS) Wild America — "Wolverine Country" (R) A visit with the wolverine in the rugged land it shares with the wolf, red fox, deer and snowshoe hare.

June 27 (PBS) Bodywatch — "Beautiful Dreamers" (R) Shows how psychologists are beginning to use dream therapy to strike a mental balance in their patients' waking lives.

June 27 (PBS) Innovation — "What the Nose Knows" (R) Visits the Monell Chemical Senses Center in Philadelphia, where scientists are uncovering how the sense of smell affects behavior.

June 28 (PBS) Nature — "The Skyhunters" (R) Filmed on the Serengeti Plain of Africa and in the tropical rain forests of South America, this program looks at the vulture, the principal carnivore of the African plains.

June 30 (PBS) Nova — "Farmers of the Sea" (R) Explores the efforts of scientists in China, Japan, the United States and Scotland to grow food underwater.

Books

Books is an editorial service for readers' information. To order any book listed or any U.S. book in print please remit retail price, plus \$1.00 handling charge for each book, to **Science News Books**, 1719 N Street, NW, Washington, DC 20036. All books sent postpaid. Domestic orders only.

Another Icarus: Percy Pilcher and the Quest for Flight — Philip Jarrett. The story of the British aviation pioneer who, in 1899, was planning to test his fifth glider outfitted with an engine when he was killed during a glider demonstration. Smithsonian, 1987, 226 p., illus., \$22.50.

Encyclopedia of Information Systems and Services, 7th ed., 3 vols. — Amy Lucas and Kathleen Young Marcaccio, Eds. Contains descriptions of more than 4,000 information organizations, systems and services, national and international. The entries are divided into two separate volumes, one covering the United States, the other international listings. A third volume comprises eight indices to the entries in the other two volumes. Some 5,200 data bases are described, and details are provided on such topics as computer tape or diskette leasing, optical publishing, custom search services and electronic mail applications. Gale, 1987, 3 vols., 2,218 p., \$370; U.S. Listings/index vol., \$210; International Listings/index vol., \$185.

High Blood Pressure — Neil B. Shulman, Elijah Saunders and W. Dallas Hall. Presents in easy-to-read language what is known about high blood pressure, the drugs used to treat this disease and common side effects of the drugs. Includes a glossary of terms used in connection with high blood pressure. Macmillan, 1987, 138 p., illus., \$14.95.

The Launching of Modern American Science 1846-1876 — Robert V. Bruce. The year 1846 saw the beginnings of the Smithsonian Institution, the Yale Scientific School, the Howe sewing machine and SCIENTIFIC AMERICAN; 1876 brought the American Chemical Society, Johns Hopkins University, Bell's telephone and Edison's Menlo Park. The prologue indicates that between 1846 and 1876 Americans established national patterns and institutions in science and technology that still prevail. The real significance of this period and emphasis of this book is, the author goes on to say, the internal sociology, economics and politics of science and its interaction with the larger society. Knopf, 1987, 446 p., \$30.

Listening to Your Own Body: A Guide to the Neurological Problems That Afflict Us as We Grow Older — James W. Neumann. A physician outlines ways to aid in identifying the danger signals of neurological disease, sorting real symptoms from "just getting older." Adler & Adler(Har-Row), 1987, 127 p., \$14.95, paper, \$6.95.

The Society of Mind — Marvin Minsky. One of the foremost leaders in artificial intelligence explains for the general reader how minds work — how intelligence emerges from nonintelligence. In Minsky's model each mind is made of many smaller processes called agents. Each mental agent by itself can only do some simple thing that needs no mind or thought at all. Joining the agents in societies, in certain very special ways, leads to true intelligence. The ideas in this book are presented in an original format, with each new idea on a self-contained page, a single piece of the puzzle — and yet, according to the prologue, when we join enough of them we can explain the strangest mysteries of mind. S&S, 1986, 339 p., illus., \$21.95.