

## 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.

**Aug. 1 (PBS) Nova — "A Mathematical Mystery Tour" (R)** A number bigger than infinity, a bottle with no insides, and parallel lines that meet: Nova examines the abstract world of pure mathematics.

**Aug. 3 (PBS) Innovation — "To Kill a Cockroach" (R)** Explores a new version of "chemical warfare" using chemical pheromones to prevent the insects from reproducing.

**Aug. 5 (PBS) Smithsonian World — "Crossing the Distance" (R)** Profiles the ingenuity, daring and imagination man brings to the challenge of getting from point A to point B.

**Aug. 5 (PBS) Survival Special — "Mysterious Herds of the Sudan" (R)** This documentary follows the migration of 1 million white-eared kob antelope and shows how the hunting tribes that follow the herds exist.

**Aug. 6 (PBS) Hiroshima Remembered** — This special commemorates the 40th anniversary of the bombing of Hiroshima, featuring the documentary "The Day After Trinity: J. Robert Oppenheimer and the Atomic Bomb."

**Aug. 7 (PBS) National Geographic Special — "Four Americans in China" (R)** China is seen through the eyes of four Americans living there during this time of change.

**Aug. 10 (PBS) Innovation — "Return to the Sea" (R)** A look at underwater laboratories and research vehicles where we first discovered the exotic forms of sea life around thermal vents on the ocean floor.

**Aug. 12 (PBS) Lifeline — "Dr. Paul Ebert" (R)** Cardiac Surgeon at San Francisco's Moffitt Hospital, University of California, Dr. Ebert operates on an infant whose heart is badly in need of repair.

**Aug. 12 (PBS) Smithsonian World — "Speaking Without Words" (R)** A look at some of the unlikely or unexpected ways human beings and other creatures communicate.

**Aug. 13 (PBS) Lifeline — "Dr. Henry Cleveland" (R)** Trauma Surgeon at St. Anthony Hospital in Denver, Dr. Cleveland assists two motorcycle accident victims, an injured mountain climber and a patient who suffered a heart stoppage.

**Aug. 13 (PBS) Nova — "Child's Play" (R)** Looks at new scientific research into the nature of giftedness.

**Aug. 14 (PBS) National Geographic Special — "Ballad of the Irish Horse" (R)** This film takes a panoramic look at the magnificent Irish horses and the people who ride, train and breed them.

**Aug. 17 (PBS) Innovation — "Creatures of the Deep" (R)** Looks at some of the intriguing studies of sea life, including sharks and fish that glow in the dark.

**Aug. 19 (PBS) Survival Special — "The Man Who Lives with Gorillas" (R)** Focuses on Adrien Deschryver, who has spent years in the rain forests of Zaire studying the habitats of these gentle primates.

**Aug. 21 (PBS) National Geographic Special — "Land of the Tiger" (R)** A close-up look at one of the most powerful and elusive predators of the Indian forest.

**Aug. 24 (PBS) Innovation — "Windows on the Body" (R)** The benefits and risks of computed X-ray tomography, nuclear scans and ultrasound as replacements for other diagnostic procedures, including exploratory surgery, are examined.

**Aug. 26 (PBS) Survival Special — "Last Round-Up of the Elephants" (R)** Filmed in Sri Lanka and India, this profile of the Asian elephant focuses on the endangered status and current efforts to preserve the pachyderm.

**Aug. 27 (PBS) Lifeline — "Dr. Charles B. Wilson" (R)** Neurosurgeon at Moffitt Hospital, University of California, Dr. Wilson treats a 14-year-old French girl who was flown in from Paris, plagued with a malignant brain tumor that is advancing rapidly.

**Aug. 27 (PBS) Nova — "Monarch of the Mountains" (R)** Explores the breeding, migration and survival patterns of the Rocky Mountain elk, capturing the elk and other animals of Wyoming's rugged mountains.

**Aug. 28 (PBS) National Geographic Special — "Miraculous Machines" (R)** This overview explores the computers and robots that are fueling the technological revolution.

**Aug. 31 (PBS) Innovation — "Fear Itself" (R)** Once thought only to be a psychological problem, agoraphobia now appears to be biochemical as well. This episode explores the chemistry of fear and the drugs being used to combat it.

## 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 **Book Order Service**, Science News, 1719 N Street, N.W., Washington, D.C. 20036. All books sent postpaid. Domestic orders only.

**Contraception: The Facts** — Peter Bromwich and Tony Parsons. Deals with all the available methods of preventing or stopping an unwanted pregnancy. Gives a brief description of reproductive anatomy and the cycle leading to pregnancy. Discusses the contraceptives of the future. Oxford U Pr, 1985, 177 p., illus., \$11.95.

**In the Name of Eugenics: Genetics and the Uses of Human Heredity** — Daniel J. Kevles. Traces in the United States and Britain the study and practice of eugenics — the science concerned with those factors that improve successive generations of the human species — from its beginnings in the late 19th century to the present, with its implications for the field of genetic engineering. Gives attention to eugenic activities elsewhere only as they affect Anglo-American developments. Knopf, 1985, 426 p., \$22.95.

**The Marijuana Question: And Science's Search for an Answer** — Helen C. Jones and Paul W. Lovinger, foreword by C. Everett Koop. Deals with the impact of marijuana on the body, the mind and various aspects of society. Includes reports of a great many scientific studies on marijuana along with anecdotal accounts by persons who use or have used marijuana. Dodd, 1985, 537 p., illus., \$24.95.

**Mathematics and the Search for Knowledge** — Morris Kline. This leading mathematician describes what is known about the realities of our physical world only through mathematics. Communicates to the general reader what mathematics reveals about major phenomena in our modern world. Oxford U Pr, 1985, 257 p., illus., \$19.95.

**Scientific Illustration: A Guide for the Beginning Artist** — Zbigniew T. Jastrzębski. An introduction to scientific illustration is followed by discussion of professional tools, how to handle materials and the procedures leading to the finished illustration. Includes examples of situations and problems in scientific illustration together with drawing exercises. P-H, 1985, 319 p., color/b&w illus., \$49.95, paper, \$24.95.

**Sisters and Brothers** — Judy Dunn. Three themes pervade this volume: how the experience of growing up with siblings affects a child's personality; why some siblings relate to each other harmoniously and affectionately, while others constantly fight and argue; and lastly, the new insights that can be gained into how children develop — emotionally, socially and intellectually — by watching siblings grow up together. Harvard U Pr, The Developing Child Series, 1985, 182 p., illus., \$10, paper, \$4.95.

**The X-Ray Universe** — Wallace Tucker and Riccardo Giacconi. A brief historical background precedes the firsthand narrative of these two scientists involved in the development of X-ray astronomy. Intended to communicate the excitement of doing science "in previously uncharted areas" and to contribute perspective on how the authors believe science, big and small, can be done in the space age. Harvard U Pr, 1985, 201 p., color/b&w illus., \$20.