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COVER: From Voyager 1's adventures 3 billion kilometers away to the eruption of Mt. St. Helens in Washington State, 1980 was an explosive year of science. And there was a lot in between. For more, see the Science News Year End Review, p. 402. (Cover design by John Ellis)

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SCIENCE ON THE AIR

SCIENCE NEWS prints the latest written word of scientific developments 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.

Television

● (PBS) **"NOVA": Jan. 6 "The Doctors of Nigeria"** A look at the special health problems of the Third World, where low standards in hygiene and sanitation, coupled with the lack of access to the pharmacology and techniques of modern medicine, leave the inhabitants vulnerable to disease. The focus is on a dual health care system designed to meet the dual nature of the problem—a coalition of practitioners of traditional herbal medicine and those of Western medicine. **Jan. 13 "Umealit: The Whale Hunters"** First broadcast last March, this program examines the controversy surrounding the hunting of the bowhead whale, chronicling the events following the International Whaling Commission's 1977 moratorium on its capture. **Jan. 20 "Message in the Rocks"** A look at the clues in matter from outer space and the ocean floor to the age, composition and evolution of the earth. **Jan. 27 "Dead Sea"** An investigation of the commercial, political and scientific significance of a body of water that is anything but dead.

● (PBS) **"Odyssey"** A repeat of the 12-week anthropology series presented last spring: **Jan. 10 "Seeking the First Americans"** The search for clues to the identity of the early hunters who crossed the Bering Strait 11,000 to 50,000 years ago. **Jan. 17 "N!ai, the Story of a !Kung Woman"** A film chronicling, in one woman's story, the changing way of life of a tribe of African hunter-gatherers. **Jan. 24 "Franz Boas (1858-1942)"** A profile of the man responsible for shaping the course of American anthropology. **Jan. 31 "Shipwreck: La Trinidad Valencera"** The story, told through the artifacts recovered, of life on a 16th century warship.

● (PBS) **"Hard Choices"** A six-part series on the moral and ethical dilemmas that have resulted from developments in biological and medical technology: **Jan. 2 "Boy or Girl: Should the Choice Be Ours?"** A look at the technologies being developed that allow prospective parents to choose the sex of their children and an examination of whether such a choice should be made. **Jan. 9 "Genetic Screening: The Ultimate Medicine?"** An examination of prenatal testing and genetic counseling and their effects on parents of children with genetic disease. **Jan. 16 "Human Experiments: The Price of Knowledge"** The rights and welfare of human subjects used in scientific experiments are examined. **Jan. 23 "Behavior Control"** A look at mind control, both benign and harmful, in forms ranging from cults to advertisements. **Jan. 30 "Death**

and Dying" A report on the growing interest in patient's rights and the ethical dilemmas that have resulted from medical technology's ability to prolong life.

● (PBS) **"Here's to Your Health": Jan. 3 "Asthma"** A look at the medical progress being made against this disease, which afflicts nine million people in the United States. **Jan. 10 "Pregnancy After 35"** An examination of the risks involved in delaying pregnancy. **Jan. 17 "Hearing"** The physiology of hearing and treatments designed to overcome hearing impairment.

● **Jan. 7 (PBS) National Geographic Society—"Etosha: Place of Dry Water"** A film depicting animal life—and death—at a preserve surrounding a huge dry lake bed in Namibia. Emphasis is placed on the sights and sounds of nature, with music and narration kept to a minimum and no people on camera.

● **Jan. 12 (PBS) "Deadly Winds of War"** A documentary that traces the history of chemical warfare from Byzantine times to the present. The program includes a close-up look at three victims of chemical warfare agents and comments from the Department of Defense on chemical warfare agents' effects on those living and working near the sites of the United States' three largest chemical warfare plants.

● **Jan. 14 (PBS) "Ephraim McDowell's Kentucky Ride"** The first in a projected series of "docudramas" that chronicle major medical advances. The program tells the story of the first successful ovariectomy performed. After the program psychologist Tom Cottle will interview surgeon Richard Selzer and the two will discuss the philosophical and psychological considerations of being a surgeon.

● **Jan. 17 (PBS) "The Talking Walls of Pompeii"** The story of Pompeii as depicted in the wall writings preserved when the city was destroyed in A.D. 79 following the eruption of Mt. Vesuvius.

Radio

● (CBC) **"Quirks and Quarks:" Jan. 3** An overview of what to look for in the skies of January 1981 by astronomy expert Terry Dickinson and a discussion of the physics of ski jumping by Jearl Walker. **Jan. 10** A special hour-long report on the annual conference of the American Association for the Advancement of Science, to be held in Toronto from Jan. 3 to Jan. 8.

