

SCIENCE NEWS

A Science Service Publication
Volume 120/August 29, 1981/No. 9

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COVER: Saturn's lack of brilliant, Jupiter-like colors and circulation features in its cloud tops had been commonly attributed to a high, obscuring haze. This Voyager 2 photo of the planet's northern hemisphere, however, shows details such as the pair of close-together, dark bands to remain clear all the way to the limb, where such a haze ought to be thickest. Instead, the relatively bland coloration may be due simply to better-mixed chromophores, or coloring agents. For more of Voyager 2's remarkable finds, see p. 132. (Photo: NASA)

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Editorial and Business Offices
1719 N Street, N.W.
Washington, D.C. 20036

Subscription Department
231 West Center Street, Marion, Ohio 43302

Subscription rate: 1 yr., \$19.50; 2 yrs., \$34.00; 3 yrs., \$47.50 (Add \$3 a year for Canada and Mexico, \$4 for all other countries.) Change of address: Four to six weeks' notice is required. Please state exactly how magazine is to be addressed. Include zip code. For new subscriptions only call: (1) 800-247-2160.

Printed in U.S.A. Second class postage paid at Washington, D.C. Title registered as trademark U.S. and Canadian Patent Offices.

Published every Saturday by SCIENCE SERVICE, Inc. 1719 N St., N.W., Washington, D.C. 20036. (202-785-2255)
ISSN 0036-8423

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.

• (PBS) **"NOVA": Sept. 1 "Road to Happiness"** A look at Henry Ford, man and myth, whose Model T put America on wheels; **Sept. 8 "Linus Pauling: Crusading Scientist"** A documentary-biography tracing the life and work, scientific and political, of the Nobel prize-winning scientist; **Sept. 15 "A is for Atom, B is for Bomb"** Edward Teller, "Father of the H-bomb," discusses his controversial theories; **Sept. 22 "Blindness: Five Points of View"** explores the various ways people whose sight is threatened try to save their vision or cope with its loss; **Sept. 29 "Computers, Spies, and Private Lives"** The benefits and potential hazards as we enter the computer age.

• (PBS) **"Here's to Your Health": Sept. 5 "Psoriasis"** A look at the progress in developing treatments to combat psoriasis — an incurable and disfiguring disease of the skin that affects more than 8 million Americans — and ways of helping its victims cope with its psychological side effects; **Sept. 12 "Arthritis"** A report on the research being carried out to find treatments and cures for this disease, and interviews with arthritis sufferers; **Sept. 19 "Medical Tests"** An investigation of modern medicine's diagnostic tools, looking at cost, risk and necessity; **Sept. 26 "Marital Discord and Sexual Dysfunction"** An exploration of the relation between sexuality and marriage.

• (PBS) **"The Voyage of Charles Darwin": Sept. 3 "I Felt Myself Brought Within Reach of that Great Fact, That Mystery of Mysteries"** Darwin receives confirmation of his theories on land mass movement and sails on the *HMS Beagle* to the Galapagos Islands, where he makes many of the observations that will lead to the theory of *The Origin of Species*; **Sept. 10 "Suppose That All Animals And All Plants Are Represented By The Branches Of A Tree"** His observations of Galapagos Island wildlife — particularly those of the finches — lead Darwin to formulate his theory that species continually change; **Sept. 17 "In The Distant Future, Light Will Be Thrown on the Origin of Man and His History"** The historic debate held by the British Association for the Advancement of Science at Oxford University after the publication of *The Origin of Species*.

• (PBS) **"Cosmos": Sept. 29 "The Shores of the Cosmic Ocean"** A repeat of the premiere episode of this series conceived and hosted by Carl Sagan takes viewers on a simulated, scientifically accurate space-flight halfway from the edge of the known universe to earth.

• (PBS) **"Odyssey": Sept. 27 "The Ancient Mariners"** explores the world of nautical archaeology, in which patterns of ancient life and the development of shipbuilding can be reconstructed through the discovery of centuries-old shipwreck remains.

• (PBS) **"The Tom Cottle Show": Sept. 5 "Atomic Veterans"** An interview with two men who attribute the acute health problems suffered by them and their children to radiation exposure resulting from nuclear weapons testing in the 1950s.

• (PBS) **"The Human Face of China": Sept. 10 "Mind, Body and Spirit"** A look at how the Chinese are building a unique national health care system based on integrating Chinese traditional medicine with Western medicine. The film follows the experiences of two "barefoot doctors" as they make their rounds.

• **Sept. 9 (PBS) National Geographic Society — "The Invisible World"** Special cameras and imaging devices uncover microscopic life in minute detail, penetrate galaxies and atoms and freeze movements.

• **Sept. 11 (ABC) "ABC News Close-up: The Gene Merchants"** a look at the burgeoning field of genetic engineering. Topics explored are benefits and risks, the down-playing of risks as the potential for profit grows, the effect of commercialization on basic research and the present and future potential for manipulating genes in humans. Footage from around the world is included and interviews are conducted with members of the scientific, business and religious communities.

• **Sept. 17 (PBS) "Nevada Fallout: The Hot Years"** A look at the effects on Nevada ranchers of nuclear bomb tests conducted during the 1950s.

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AUGUST 29, 1981

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