

THIS WEEK

Combating the wintertime blues 212
Blood-lead and gas-lead levels linked 212
Antarctica's first land mammals 213
More Mt. St. Helens activity 213
Veneras take a bite of Venus 214
Power plant radiation damage tested 215
Hypothalamic hormones against cancer 215
Measles eradication 215

RESEARCH NOTES

Behavior 218
Science & Society 218
Chemistry 219
Biomedicine 219

ARTICLES

Pets provide good medicine 220

DEPARTMENTS

Books 211
Science on the Air 211

COVER: Companion animals not only can improve the health of the mentally or physically ill, but benefit the mental and physical health of well persons, a new field of research is starting to reveal. For instance, pets help young children make the transition from loving their parents to loving other people. See p. 220. (Photo: Arehart-Treichel)

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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.

CANCER: The Misguided Cell—David M. Prescott and Abraham S. Flexer. An overview of what recent research has revealed about the causes of cancer, how it can be treated and how it might be prevented. Begins with an explanation of the behavior and activities of cells, both normal and cancerous. Explores the psychological and emotional aspects of cancer. Includes an appendix covering cancer-related services and resources for the patient. Scribner, 1982, 314 p., illus., \$17.95.

THE CLOCKS THAT TIME US: Physiology of the Circadian Timing System—Martin C. Moore-Ede, Frank M. Sulzman and Charles A. Fuller. Explains the structure and function of circadian clocks in animals and man and provides a basis for understanding the medical and public health implications of this rhythm. Written for the physician, psychologist, health specialist, biologist and the general reader who is interested in an introduction to current information in this field. Harvard U Pr, 1982, 448 p., illus., \$25.

DOCTORS ON THE NEW FRONTIER: Breaking Through the Barriers of Modern Medicine—William Hoffman and Jerry Shields. Eight portraits of persons in various medical fields whose accomplishments have provided breakthroughs in modern medicine like Patrick Steptoe, David Baltimore and Norman Shumway. Macmillan, 1981, 207 p., \$12.95.

THE DOOMSDAY BOOK OF ANIMALS: A Natural History of Vanished Species—David Day. A readable comprehensive encyclopedia that includes a description of the animal's behavior, habitat and appearance, as well as the events leading up to its demise. Wildlife illustrators have recreated the animals as they might have appeared in life in beautiful color and black and white drawings. Viking Pr, 1981, 288 p., color/b&w illus., \$40.

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.

• April 7 (PBS) National Geographic Society "The Thames" is a documentary that looks at the massive cleanup of this river.

• (PBS) "Creativity with Bill Moyers": April 23 "National Center for Atmospheric Research" looks at the effects of growing amounts of carbon dioxide in the air and creative solutions to the problem.

• (PBS) "NOVA": April 4 "Artists in the Lab" looks at the use of lasers and computers in creating new art forms; April 11 "Notes of a Biology Watcher: A Film with Lewis Thomas" is a profile of this leading biologist and award-winning author; April 18 "Cosmic Fire" is a report on the findings X-ray astronomy has yielded; "April 25 "Computers, Spies, and Private Lives" investigates the benefits and potential hazards that we face as advances are made in computer technology.

GERMS THAT WON'T DIE: Medical Consequences of the Misuse of Antibiotics—Marc Lappé. Tells what happens to your body when you take an antibiotic and what forces—political, economic or medical—have been involved. Presents the larger dimensions of the problem posed by unrestricted use of antibiotics and the consequences to society. Anchor Pr/Doubleday, 1982, 246 p., illus., \$14.95.

HUMAN COMMUNICATION: Language and Its Psychobiological Bases—Introductions by William S.-Y. Wang. These readings from *Scientific American* reflect the many disciplines involved in the study of language. Language is considered within an evolutionary framework, several specific languages are discussed and the last section deals with how language is organized in the human head and used in daily life. WH Freeman, 1982, 186 p., color/b&w illus., \$17.95, paper, \$9.95.

PALEONTOLOGY AND PALEOENVIRONMENTS: Readings from American Scientist—Brian J. Skinner, Ed. Articles by leading scholars in the field on the origin and diversification of life, invertebrate paleontology, ancient geographies and vertebrate paleontology. W Kaufmann, 1981, 206 p., color/b&w illus., paper, \$9.95.

THE SOLAR SYSTEM AND ITS STRANGE OBJECTS: Readings from American Scientist—Brian J. Skinner, Ed. Papers discuss the origin of chemical elements, the development of planets, comets and other objects in space, the earth viewed from space and the place of man in the universe. W Kaufmann, 1981, 193 p., color/b&w illus., paper, \$9.95.

THE UNIVERSE WITHIN: A New Science Explores the Human Mind—Morton Hunt. Cognitive science, a multiple-discipline field, is the systematic inquiry into human thinking. The detailed findings of this new field tell us, says the preface, that the human mind is the latest and most superbly adaptive mutation produced by evolution and that the scientific study of how our minds function should enable us to use them far more effectively than we now do. Written for the general reader, this book reports research in such areas as memory and forgetting, conception formation, logical reasoning, inferential reasoning and problem-solving. S&S, 1982, 415 p., illus., \$18.75.

• (PBS) "Life on Earth: April 6 "The Compulsive Communicators" concludes this series with a focus on the influence of communications on the development of man.

• (PBS) "Natural History of a Sunbeam": April 3 "Survival Under the Sun, Part II" examines the science of photobiology, looking at attempts to imitate the energy-producing action of plants.

• (PBS) "The Cousteau Odyssey": April 13 "The Nile, Part 1" takes viewers from the headwaters of the Nile to Lake Victoria and to the point at which the White Nile and the Blue Nile meet, looking also at the role of the tsetse fly in the area's balance of nature; April 20 "The Nile, Part 2" continues the journey down the Nile to the Aswan Dam, to Cairo and to the Nile delta.

211