A Science Service Publication Vol. 103/April 7, 1973/No. 14 Incorporating Science News Letter

OF THE WEEK

lost city of anshan found	220
african infants' precocity	221
diving marine biologists	221
vitamins and fetus	222
el niño's warm current	222
white dwarf stars	223
boomerang balloons	223
problem with satellite	223

NOTES

space sciences	224
astronomy	224
medical sciences	226
environment	226

ARTICLES

the moon's interior	228
short-lived phenomena	230

DEPARTMENTS

books	218
letters	219

COVER: The discovery of the Tasaday tribe in the Philippines, the eruption (and associated electrical phenomena) of the Cerro Negro volcano in Nicaragua, and the confirmation of an unprecedented peak in the population of Monarch butterflies in North America are just three of the nearly 600 events reported by the Smithsonian's Center for Short-Lived Phenomena since its creation in 1968. See p. 230. (Photos: Center for Short-Lived Phenomena)

Publisher E. G. Sherburne Jr. **Editor** Kendrick Frazier **Aerospace** Everly Driscoll **Behavioral Sciences** Robert J. Trotter **Medical Sciences** Joan Arehart-Treichel **Natural Sciences** Jonathan Eberhart Physical Sciences Dietrick E. Thomsen Science and Society John H. Douglas Copy Editor Nadine Clement Assistant to the Editor Esther Gilgoff **Production Manager** Davida Daemon Margit Friedrich Circulation Manager Lawrence Cope Advertising Scherago Associates, Inc.
11 W. 42nd St., New York, N.Y. 10036
Fred W. Dleffenbach
Sales Director

Copyright © 1973 by Science Service, Inc., 1719 N St., N.W., Washington, D.C. 20036. Republication of any portion of SCIENCE NEWS is strictly prohibited.

Subscription Department 231 West Center Street Marion, Ohio 43302

Subscription rate: 1 yr., \$10; 2 yrs., \$18; 3 yrs., \$25. (Add \$2 a year for Canada and Mexico, \$3 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.

Printed in U.S.A. Second class postage paid at Washington, D.C. Established as Science News Letter ® in mimeograph form March 13, 1922. Title registered as trademark U.S. and Canadian Patent Offices.

Published every Saturday by SCIENCE SER-VICE, Inc., 1719 N St., N.W., Washington, D.C. 20036. (202-785-2255). Cable SCIENSERV.

science news * | to the editor

Treatment for PKU

The article "PKU: New insights into cause and effects" (SN: 3/10/73, p. 150) contains an error which is of minor importance to the average reader but is of major importance in the treatment of PKU. The diet must not be "lacking" in phenylalanine (lacking may mean a deficiency or even a total absence of the substance) but must contain a low but sufficient supply of this essential amino acid to provide for the infant's growth. Each year a small number of PKU or misdiagnosed normal infants are treated by physicians who have heard that treatment of PKU consists of giving a phenylalanine-deficient diet. The resulting malnutrition can cause permanent brain damage before the error is discovered. Constant monitoring of plasma phenylalanine levels is essential and these must be maintained slightly above the levels found in normal infants to ensure adequate phenylalanine intakes.

Eleanor S. Brown, Ph.D. University Hospitals Center for Health Sciences University of Wisconsin Madison, Wis.

Conservation vs. anti-hunting

I am a regular reader of Science News and enjoy your concise reporting on research and developments in the scientific field. Your comments following a letter to the editor by David L. Mech (SN: 3/17/73, p. 168) rather disturbed me. You stated that letters for information on wolves should be directed to either David L. Mech or Louis Regenstein.

May I point out that Mech is a recognized scientist who has spent the better part of his professional career studying the ecology of wolves. On the other hand Regenstein is a complete layman on wildlife management who has done no studies, has never lived with wolves as several wildlife biologists have, and has done limited reading about the wolf. Regenstein's main thesis is not so much conservation as it is anti-hunting. He, in representing the Fund for Animals, has vigorously opposed any wildlife management policy that involves use of the gun. I say this as a person who has met Regenstein personally, has heard him speak, and came to realize his main interest. He states that he is a conservationist but his real issue surfaces whenever he confronts a professional wildlife organization on many a management decision which involves the loss of life of an animal. Then his basic philosophy comes out, i.e.: that it is immoral for man to kill an animal.

I feel that your readers should be aware of this fact when writing to Mech or Regenstein for information on wolves.

Lawrence W. Jackson Senior Wildlife Biologist New York State Department of Environmental Conservation Delmar, N.Y.

After that article "Last cry of the wolf" appeared in your magazine (SN: 2/17/73, p. 109), I wrote my Congressman and received in reply a copy of H.J.

Res. 119, and a copy of H.R. 470. H.J. Res. 119 calls for "an immediate moratorium on the killing of the eastern timber wolf.'

H.R. 470 will protect any wildlife or fish endangered with extinction, or likely to be, within the foreseeable future.

I've been getting many people in Michigan to write our Congressmen and ask them to support these bills, but I would like people from other states to do the same, so many different Congressmen will hear about H.R. 470 and especially H.J. Res. 119.

> Mary Veen Grand Rapids, Mich.

Thank you for your fine coverage of the Minnesota wolf management plan, in your original article and in "Response and follow-up." It is only through extensive publicity that citizens can become aware of the need of governmental protection of endangered species. Please continue to keep us informed of new developments in the crusade to protect wolves.

Two fine sources of basic information on this magnificent animal that you may want to pass on to your readers are Never Cry Wolf by Farley Mowat and The World of the Wolf by R. J. Rutter and D. H. Pimlott. The sounds of the wolf have been recorded on an LP album, "The Language and Music of the Wolves" available through NATURAL HISTORY MAG-AZINE of the American Museum of Natural History.

Elizabeth M. Sajewicz White Plains, N.Y.

Address communications to Editor, Science News, 1719 N Street, N.W. Washington, D. C. 20036

SCIENCE SERVICE

Institution for the Popularization of Science founded 1921; a nonprofit corporation

Board of Trustees—Nominated by the AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE: Bowen C. Dees, The Franklin Institute: Athelstan Spilhaus, Woodrow Wilson International Center for Scholars; Deborah Partridge Wolfe, Queens College. Nominated by the NATIONAL ACADEMY OF SCIENCES: Gerald F. Tape, Associated Universities; Allen V. Astin, National Bureau of Standards; Frederick Seitz, Rockefeller University. Nominated by the NATIONAL RESEARCH COUNCIL: Gerald Holton, Harvard University; Jacob Rabinow, National Bureau of Standards; Glenn T. Seaborg (President), University of California at Berkeley. Nominated by the JOURNALISTIC PROFESSION: Norman Cousins, "World"; Julius Duscha, Washington Journalism Center; O. W. Riegel (Secretary), Washington and Lee University. Nominated by the E. W. SCRIPPS TRUST: Milton Harris (Treasurer), Washington, D.C.; Edward W. Scripps II (Vice President and Chaiman of the Executive Committee), Edward W. Scripps Trust; John Troan, Pittsburgh Press.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Business Manager: Donald R. Harless; Things of Science: Ruby Yoshioka.

april 7, 1973