

GEOGRAPHY

Antarctic Peak Surveyed, Reveals New Figure

See Front Cover

► MOUNT EREBUS in the Antarctic has been found to be 12,280 feet high during a recently completed survey. The height of this smoldering volcano was first computed during an expedition 1910-1913 to be 13,200 feet. A later survey showed it to be 15,325 feet, and to add to the confusion, cartographers have recently used the figure of 14,997 feet.

Discrepancies in the earlier figures were caused by poor surveying conditions. Only during the latest survey was it possible by electronic means to measure a base line long enough to provide the precise measurements, the U.S. Geological Survey, Washington, D. C., reported.

The smoking peak is seen on the cover of this week's SCIENCE NEWS LETTER.

• Science News Letter, 80:263 October 14, 1961

MEDICINE

Reducing Blood Potassium Prevents Serious Seizures

► A WAY of preventing a kind of seizure known to physicians as Stokes-Adams seizures is reported by Dr. Louis Tobian, director of the University of Minnesota's Cardiac Clinic, Minneapolis, Minn.

The seizure is accompanied by unconsciousness, gasping breathing and heart block.

Bringing down the level of potassium in the blood plasma by dosage with chlorothiazide results in relief from the Stokes-Adams attacks, Dr. Tobian reports in the New England Journal of Medicine, 265:623, 1961.

The lessened incidence of seizures was not accompanied by any significant change in blood plasma acidity although the bicarbonate in the plasma rose slightly in some cases. The seizures were prevented even when the heart block continued in some patients, Dr. Tobian states.

• Science News Letter, 80:263 October 14, 1961

Questions

EDUCATION—Can a computer learn from its "experience" with different individuals? p. 255.

MEDICINE—How many "episodes" of poisoning among young children occur each year? p. 253.

SPACE—Which mother tongue is spoken by the largest percentage of people on earth? p. 251.

Photographs: Cover, U. S. Navy for U. S. Geological Survey; p. 251, Thiokol Chemical Corporation; p. 253, Indiana University; p. 255, National Carbon Company; p. 258, Structural Clay Products Institute; p. 262, Westinghouse Electric Corporation.

MICRO-ADS

Equipment, supplies and services of special interest to scientists, science teachers and students, science-minded laymen and hobbyists. 25¢ per word, payable in advance. Closing date 3 weeks prior to publication (Saturday).
SNL, 1719 N St., N.W., Washington 6, D. C.

PERIODICALS BOUGHT, SOLD. SCIENTIFIC technical, non-popular. Sets, files, years. Canner's, Boston 20N, Massachusetts.

BUTTERFLIES, 10 DIFFERENT \$2.00. BEETLES (Dried), 10 different \$2.00. Preserved Frogs, \$1.00 each. Live Frogs, 3 for \$2.75. Live Salamanders, 3 for \$1.00. Preserved Sea Horse (Dwarf), .25¢ each. Preserved Beetles, .25¢ each. Postage extra. No catalogue available. Le-Fay Company, 1318 Nostrand Avenue, Brooklyn 26, New York.

GOVERNMENT SURPLUS RADIOS, RECEIVERS, transmitters, gadgets, parabolic reflectors, infra-red sniperscopes, aircraft camera lenses. Amazing catalogue 10¢. John Meshna, Malden 48, Mass.

HEWLETT-PACKARD, GENERAL RADIO EQUIPMENT bought, sold. Engineering Associates, 434 Patterson Road, Dayton 19, Ohio.

LABORATORY SETS, BIOLOGY, MICROSCOPY, Mineralogy for students, scientists. Bargain prices. Also instruments. Catalogue 25¢. Jaekel Manufacturing, 124 West 23rd St., New York 11, New York.

NATIONAL GEOGRAPHIC MAGAZINES, 1888-1960, any issue. Periodical Service, Box 465-SN., Wilmington, Delaware.

NEW LIQUID CASTING PLASTIC, CLEAR, Colors. Embed real flowers, minerals, biological specimens, delicate instruments, electronic parts. Also cold-setting resin and fiberglass for laminating, casting, molding, coating. Manual 25¢. Castolite Company, Dept. L-130, Woodstock, Illinois.

PERFECT GIFT FOR PIPE SMOKERS. THE Pipe-Ster—Most convenient way to carry your pipe. It is made of genuine horsehide saddle stitched leather, and is molded to fit any straight stem pipe. New patented swivel clip is adjustable on belt from stem up, down, or parallel without removing the "pipe-ster" from belt. For traveling, clip to car sun visor. \$8.50, check or money order postpaid. Can be ordered only from Steve's Tobaccos, Dept. A, 1813 S. Catalina Avenue, Redondo Beach, Calif. Dealer inquiries invited.

FREE 50 PAGE OBSERVER'S GUIDE

UNITRON
ASTRONOMICAL TELESCOPES
OBSERVER'S GUIDE



UNITRON

With artificial satellites already launched and space travel almost a reality, astronomy has become today's fastest growing hobby. Exploring the skies with a telescope is a relaxing diversion for father and son alike. UNITRON's handbook contains full-page illustrated articles on astronomy, observing, telescopes and accessories. It is of interest to both beginners and advanced amateurs.

CONTENTS INCLUDE:
Observing the sun, moon, planets and wonders of the sky • Constellation map • Hints for observers • Glossary of telescope terms • How to choose a telescope • Astrophotography

UNITRON
INSTRUMENT COMPANY • TELESCOPE SALES DIV.
66 NEEDHAM ST., NEWTON HIGHLANDS 61, MASS.

Please rush to me, FREE of charge,
UNITRON'S OBSERVER'S GUIDE and TELESCOPE CATALOG # 5-U-2

Name _____
Street _____
City _____ State _____

SCIENCE BARGAINS

Order by Stock No.—Send Check or M.O.—Satisfaction or Money Back!

'FISH' WITH A MAGNET

Go Treasure Hunting on the Bottom



Great idea! Fascinating fun and sometimes tremendously profitable! Tie a line to our 5-lb. Magnet—drop it overboard in bay, river, lake or ocean. Trawl it along the bottom—your "treasure" haul can be outboard motors, anchors, fishing tackle, all kinds of metal valuables. 5-lb. Magnet is war surplus—Amino V Type—a terrific bargain. Lifts over 125 lbs. on land—much greater weights under water. Order now and try this new sport.
Stock No. 70,183-Q, 5-lb. Magnet... \$9.95 Postpaid

NEW LOW PRICE FLASHLIGHT POINTER

... Point It Out With Projected Arrow



Ideal for pointing out interesting features on movie and slide projection screens. Excellent lecture tool. For teacher use on map, etc. Flashlight focuses an arrow where you point it.
Stock No. 60,117-Q.....\$5.95 Postpaid

SCIENCE TREASURE CHESTS

For Boys—Girls—Adults!



Science Treasure Chest—Extra-powerful magnets, polarizing filters, compass, one-way-mirror film, prism, diffraction grating, and lots of other items for hundreds of thrilling experiments, plus a Ten-Lens Kit for making telescopes, microscopes, etc. Full instructions included.
Stock No. 70,342-Q.....\$5.00 Postpaid
Science Treasure Chest—Everything in Chest above plus exciting additional items for more advanced experiments including crystal-growing kit, electric motor, molecular models set, first-surface mirrors, and lots more.
Stock No. 70,343-Q.....\$10.00 Postpaid

NOW... BE YOUR OWN WEATHERMAN!



WEATHER STATION MARK I

performs all measurements and computations for professional weather forecasts. Rise and fall of fluid in Cape Cod Glass show changes in barometric pressure. Also compute wind speed and direction, measure rainfall, figure dew point, read wet-bulb temperature, etc. Weather manual included—clear instructions for calculating the Temperature-Humidity Index and relative humidity. Fully portable. Panels and packaging of heavy polystyrene.
Stock No. 70,488-Q, 15"x8"x8 1/2"....\$9.95 Pstpd.
DE LUXE ADVANCED MODEL MARK II
Stock No. 70,489-Q, 15"x8"x11 1/2"....\$19.95 Pstpd.

NEW—LOW PRICED ADJUSTABLE SPANNER WRENCH



Exceptional value for hobbyists, photographers, anyone who works with lenses. Precise quality, chrome plated steel, handles retaining rings 1/4" to 4 7/16" dia. Points held in place by spring-held ball bearings—easily, quickly changed. Hand set screw controls adjusting bars. Vertical bar size 3 15/16" dia. 1/4". Includes as additional points, "Offset Flat Blade."—1/4". Straight Pencil Point and Straight Flat Blade.
Stock No. 50,356-Q.....\$4.50 Postpaid
Extra additional points available for.....\$1.00 ea.

WOODEN SOLID PUZZLES



12 different puzzles that will stimulate your ability to think and reason. Here is a fascinating assortment of wood puzzles that will provide hours of pleasure. Twelve different puzzles, animals and geometric forms to take apart and reassemble, give a chance for all the family, young or old, to test skill, patience, and best of all, to stimulate ability to think and reason while having lots of fun. Order yours now.
Stock No. 70,205-Q.....\$3.00 Postpaid

FREE CATALOG-Q

144 Pages! Over 1000 Bargains!

America's No. 1 source of supply for Science experimenters, hobbyists. Complete line of Astronomical Telescopes and assembled Telescopes. Also huge selection of lenses, prisms, war surplus optical instruments, parts and accessories—Telescopes, microscopes, binoculars, infrared sniperscopes... items for making "Science Fair" projects, math learning and teaching aids. Request Catalog Q.



TEACHERS! Write for Educational Catalog Q-2

EDMUND SCIENTIFIC CO.
BARRINGTON, NEW JERSEY

