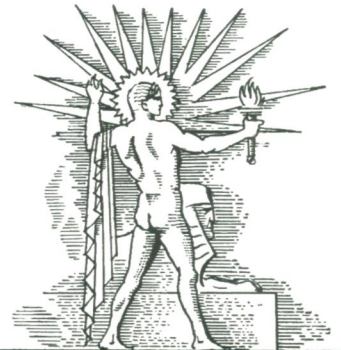
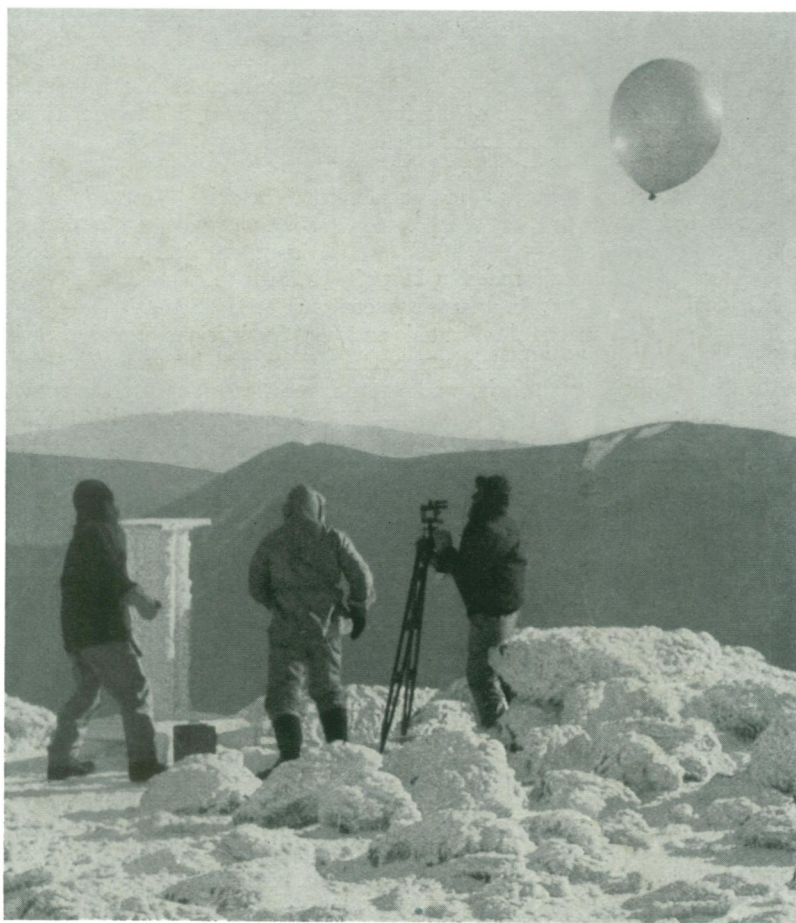


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



MARCH 3, 1934

Off to Measure Stratosphere Winds

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DO YOU KNOW?

Sirup from Jerusalem artichokes may become a commercial article of diet.

There is a thousand times more silver than gold in solution in the oceans of the world.

Portable X-ray equipment is found useful in detecting the cause of lameness in valuable horses.

A Roman burying ground has been explored in France, near Blois, and more than 500 tombs opened.

No scientist has ever found a way of seeing through the clouds that always hide the planet Venus from the earth.

In a cemetery in France of the fourth century A.D., workmen found a stone sarcophagus containing a lead coffin, empty except for bottles of ancient "make-up."

Among the volcanic rocks in Hawaii National Park are rocks that float on water, rocks that can be heated and held in one's hand without injury, some that look like human hair, and some like wool fiber.

Less than two pounds of radium are available for use in the world today.

A 21-mile scenic highway is being built to the Norris Dam, near Knoxville, Tenn.

An adult Sierra Nevada shrew with a full stomach weighs scarcely one ounce.

A meter which measures the ultra-violet output of sunlamps has been developed.

An earthquake which shook Syrian Antioch in 115 A.D. is said to have caused the deaths of 250,000 people.

Sound motion pictures have just been introduced into Ethiopia, the first being shown before the Emperor and his court.

The Field Museum in Chicago has specimens of meteorites from more than two-thirds of all the meteorite falls known to science.

Statisticians figure that if a road is shortened by one mile, and about 500 vehicles a day use the route, the saving to these motorists is \$12,500 a year.

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Will fliers ever be able to see through fog? p. 143.

ARCHAEOLOGY

How many babies died at Un Shagi? p. 144.

ASTRONOMY

What does "by jiminy" mean? p. 138. *Field Book of the Skies—W. T. Olcott and E. W. Putnam—Putnam, 1929, \$3.50.*

ASTROPHYSICS

How many atoms are there in the sun? p. 133.

BIOLOGY

What new Government aid is promised research? p. 134.

CHEMISTRY

Can good wine be made from oranges? p. 136.

What is radionitrogen? p. 133.

ECONOMIC ZOOLOGY

How much money is invested in American fur farming? p. 135. *Economic Mammalogy—Junius Henderson and Elbert L. Craig—Thomas, 1932, \$4.50.*

ENTOMOLOGY

Why will 1934 be a bad grasshopper year? p. 143. *Fundamentals of Insect Life—C. L. Metcalf and W. P. Flint—McGraw-Hill, 1932, \$4.*

GEOLOGY

How big is the new Yellowstone hot pool? p. 134.

GENERAL SCIENCE

Does science make or ruin jobs? p. 131.

HISTORY OF SCIENCE

What did Columbus look like? p. 134.

MEDICINE

Could a knife-wound in your head make you lame? p. 133.

METEOROLOGY

What is abnormal about this winter's cold waves? p. 140. *Why the Weather—Charles Brooks—Harcourt Brace, 1924, \$4.*

PHYSICS

Are cosmic rays charged particles? p. 143. Will the exact birthplace of a positron-electron pair ever be known? p. 134.

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How is artificial "visual persistence" accomplished? p. 140.

PHYSIOLOGY—PHYSICS

Is heavy water good to drink? p. 136.

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Are prematurely born babies handicapped mentally? p. 136.

How should children be guided in choosing occupations? p. 132.

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How thick is the cerebral cortex? p. 132.

These curiosity-arousing questions show at a glance the wide field of scientific activity from which this week's news comes. Book references in italic type are not sources of information for the article, but the references for further reading. Books cited can be supplied by Book Department, Science News Letter, at publishers' prices, prepaid in the United States.

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