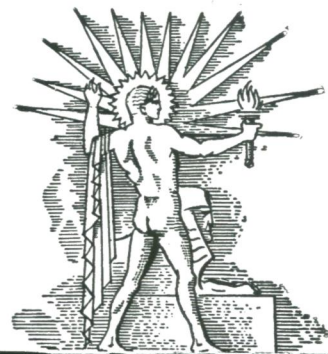
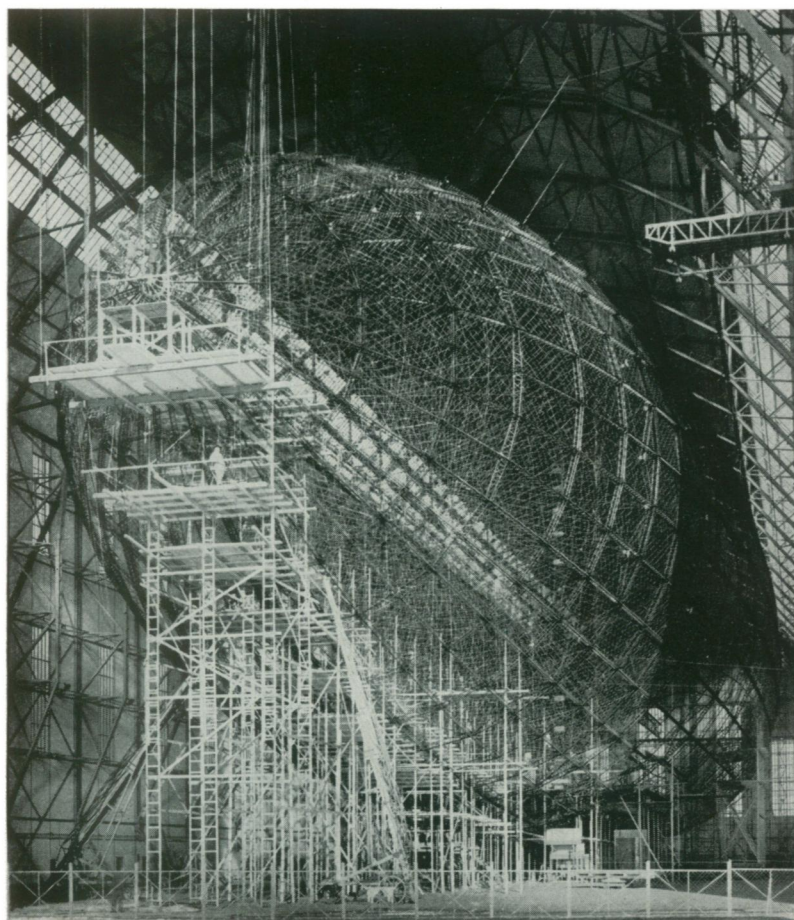


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Liner of the Sky

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DO YOU KNOW?

Among Mexican Indians there is an unusual amount of albinism.

The New York State College of Home Economics is drafting a program for management of twins.

The government will spend \$200,000 drilling deep wells on Indian reservations in the drought areas of Montana, Arizona, and the Dakotas.

Government soil experts are to begin a survey of a million acres of soil in the mountains of Puerto Rico, to mark out lands that may be cultivated.

Englishmen returning home from far-off Singapore will soon be able to make the trip by automobile, except for the English Channel crossing.

Government chemists have found that eggs deteriorate in storage because they "digest themselves," and now the problem is to prevent this enzyme activity.

China's cotton crop is expected to exceed last year's crop by 15 per cent.

Bees prefer their nectar undiluted with rain or dew, and will visit blossoms accordingly.

Fluorine compounds, increasingly used as spray materials to control crop pests, are a new cause for worry about spray residues on foodstuffs.

Jacksonville, Fla., had the coldest day of its experience almost a hundred years ago, when the city shivered at seven degrees below zero on Feb. 7, 1835.

Sulfur treatment sometimes given to drying fruits to protect them from insect attacks now is found to reduce the vitamin B content of the dried fruit.

The common belief that raw foods are essential to highest physical vigor lacks scientific support, according to a report to the American Chemical Society.

WITH THE SCIENCES THIS WEEK

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What new attraction for passengers is planned for the LZ-129? p. 142.

ANIMAL PSYCHOLOGY

Can dogs understand commands sung to them? p. 132.

ANTHROPOLOGY

What is the proportion of twin births in the United States? p. 139. *Twins—Hereditary and Environment*—N. D. M. Hirsch—Harvard University Press, 1930, \$2.00.

ASTRONOMY

Of what does the Milky Way consist? p. 134. *The Universe Unfolding*—Robert H. Baker—Williams and Wilkins, and Century of Progress Exposition, 1932, \$1.00.

AVIATION

How long ago was the first non-stop flight from Philadelphia to Atlantic City? p. 137. *The Sky's the Limit*—D. W. Tomlinson—Macrae Smith Co, 1930, \$3.50.

CHEMISTRY

How is heavy aluminum produced? p. 141. How is sugar turned into citric acid commercially? p. 132.

What is "Bohemium"? p. 143.

What metal replaces mercury for high-temperature thermometers? p. 136.

FORESTRY

What is the seedfall per acre from forest trees? p. 143.

GEOLOGY

What is the reserve of crude oil in the United States? p. 140.

MEDICINE

How are high frequency electric currents used in treatment of rheumatism? p. 137.

METEOROLOGY

How early is winter wheat planted? p. 136. How old are American weather records? p. 140.

OCEANOGRAPHY

How far can ocean currents carry a bottle in seven years? p. 137.

ORNITHOLOGY

Where do crows make their nests of copper and other wires? p. 136.

PALEONTOLOGY

How big were the American horses of 37,000,000 years ago? p. 142. *The World of Fossils—Carroll Lane Fenton—Appleton-Century, 1933, \$2.00.*

PHYSICS

How is zinc turned into copper? p. 137.

How many levels of energy are within the beryllium atom? p. 138.

Is the nucleus of the neutron positive or negative? p. 136.

What would cause the yolk of an egg to cook more quickly than its white? p. 136.

Why is the idea of a negative proton necessary to atomic theory? p. 141. *The Mysteries of the Atom—H. A. Wilson—Van Nostrand, 1934, \$2.50.*

Why is the radio equipped balloon well adapted for the Arctic? p. 131.

PHYSICS-BOTANY

What is "radiotoxic virulence"? p. 137.

PLANT PATHOLOGY

What causes a willow to imitate a pine tree? p. 133.

RADIO

When does the height of the radio reflecting layer vary most? p. 142.

VETERINARY MEDICINE

Is tuberculosis in cattle and hogs decreasing in the United States? p. 133.

VOLCANOLOGY

What makes Vesuvius more dangerous than Stromboli? p. 138.

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 references for further reading. Books cited can be supplied by Book Department, Science News Letter, at publishers' prices, postpaid in the United States.