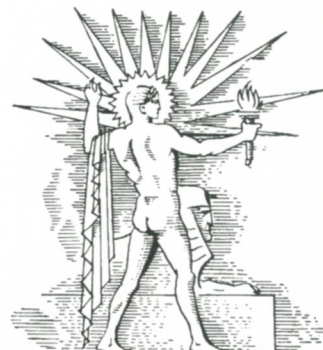


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



September 28, 1940

Spectral Bouquet

See Page 200

A SCIENCE SERVICE PUBLICATION

Do You Know?

Apples with *red* flowers, red skin, and red flesh are recent attractive additions to the fancy fruit stock of this country.

A Philadelphia *physician* in 1807 had a druggist prepare carbonated water flavored with fruit juice for patients.

Government plant scientists are keeping an eye on trees in *tung* orchards that seem frost-resistant, as possible sources of resistant stock.

Chemists explain that soap is added to most automobile greases to give them the *oiliness* and staying power which they do not possess naturally.

The Netherlands is not likely to send flower *bulbs* to the United States this year, but Great Britain expects to export bulbs to America.

Studying oil wells in nearby developed fields, government geologists say that new *oil pools* may be found in the Osage Indian Reservation in Oklahoma.

Preventing *eye accidents* in industry is dramatically taught in "The Eyes Have It," new sound slidefilm sponsored by the National Society for the Prevention of Blindness, New York.

Despite presence of the Dutch elm disease in areas of the United States, a Cornell University plant pathologist advises that the *American elm* still be planted where it is the most logical tree to use, but only if facilities are provided for the tree's protection.

QUESTIONS DISCUSSED IN THIS ISSUE

Most articles which appear in SCIENCE NEWS LETTER are based on communications to Science Service, or on papers before meetings. Where published sources are used they are referred to in the article.

ASTRONOMY

What sort of clouds in space are less dense than a high vacuum on the earth? p. 199.

What star is shaped like an hour glass with a tail? p. 204.

When is the Cunningham Comet likely to be visible without optical aid? p. 206.

Where will the October eclipse be visible? p. 202.

BIOLOGY

Among what one-celled animals are cousin marriages avoided? p. 197.

How many light bullets does it take to kill a cell? p. 198.

BOTANY

What plant gets its nourishment from dead plants? p. 200.

CHEMISTRY

How much has the price of melamine been reduced? p. 200.

ETHNOLOGY

What dictators have we had in America? p. 201.

HEREDITY

How many kinds of quadruplets can there be? p. 195.

INVENTION

What device makes dated eggs possible? p. 201.

MATHEMATICS

How can higher mathematics aid in America's defense? p. 201.

MEDICINE

How may vitamin K possibly act to prevent cancer? p. 196.

What may protect against measles? p. 195.

Where are the body's defenses against influenza? p. 197.

PHYSIOLOGY

What should you eat to prevent tooth decay? p. 197.

PSYCHIATRY

How can the psychiatrist reduce the number of divorces? p. 198.

What operation has been used for schizophrenia? p. 198.

RADIO

How is radio reception just before an outburst of sun spots? p. 199.

RESOURCES

Why is lavender scent scarce in England? p. 200.

The *drum* language by which signals are sent for miles in Africa is difficult, says an ethnologist, and few white men understand it.

First institution known to have been called a *museum* was founded in Alexandria about 300 B.C., and was a place for philosophic and other advanced studies.

A University of California agriculturist is spending six months in Australia studying *sheep*, hoping to find sheep that will improve wool quality of California flocks.

Cotton *fibers* complete their growth in about 35 days, with little change after that until the boll opens, experiments show.

A novel machine for testing *warmth* of fabrics is equipped with refrigerating units, heating coils, blowers, and other "weather" makers.

In a Connecticut survey of traffic on straight *rural highways*, it was found that drivers accompanied by relatives travel more slowly than those alone or with friends.

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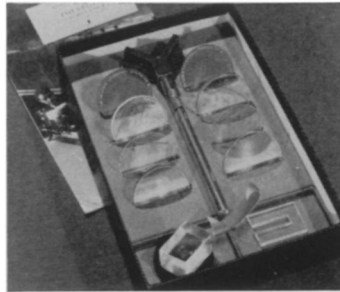
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6 New Polaroid* Products

These new Polaroid laboratory products offer new opportunities for instruction in polarized light, to keep pace with the widening applications of light polarization in everyday life. The new kits provide great convenience and range of utility. Price reductions of as much as 70% bring Polaroid materials within reach of the most restricted elementary school budgets. Detailed descriptions appear in a new catalog, free on request.



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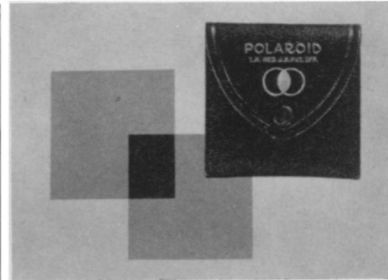
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Dr. Thone, biological editor for Science Service and *Science News Letter* is a leading interpreter of science. Dr. George Roemmert, whose Micro-vivarium has been an outstanding feature of The New York World's Fair and The Century of Progress in Chicago and many educational and scientific exhibitions all over the country, has contributed many of the hundreds of pictures in the book.

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