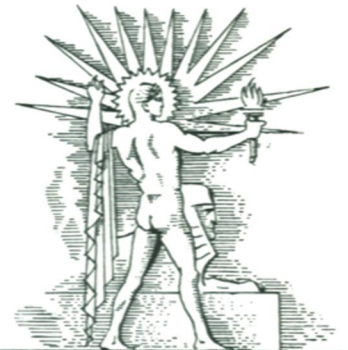
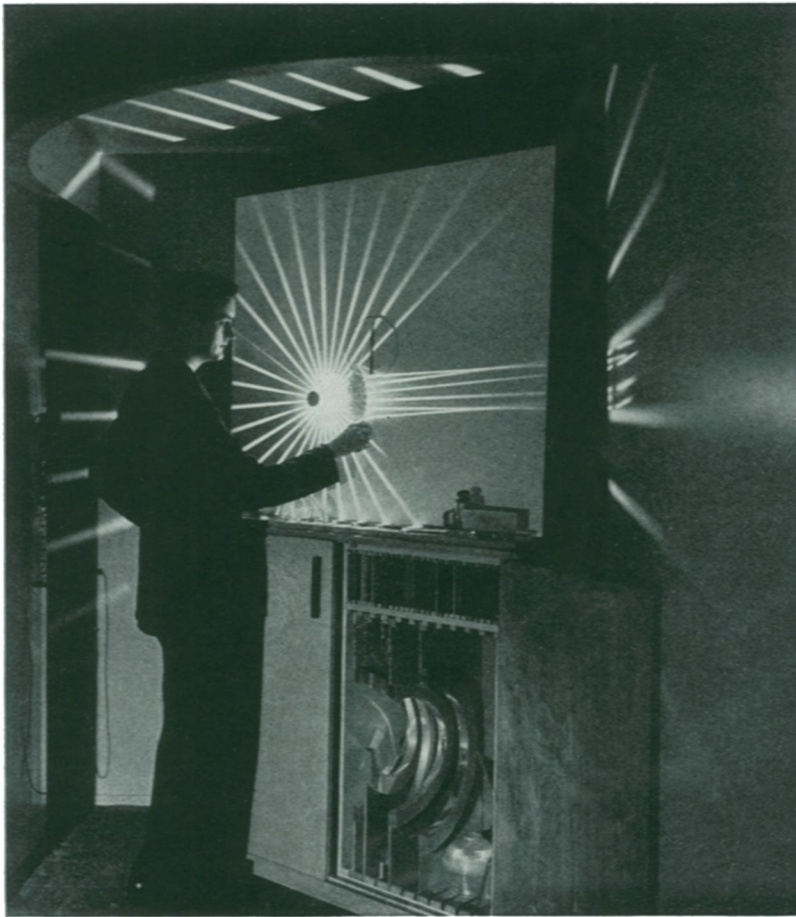


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SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE ●



July 16, 1938

Weaving Light

See Page 37

A S C I E N C E S E R V I C E P U B L I C A T I O N

Do You Know?

In early time the Beduin idea of a cup of coffee was just four sips.

Census figures show that a back-to-the-farm movement is still in progress in this country.

By aid of electroplating, metal can be given rainbow colors, including the iridescence of the soap bubble.

A British naturalist questions the popular belief that only male birds sing, for female robins, at least, can sing.

One hundred years ago, the average fleece clipped from a sheep in a year in this country weighed two pounds; today it is about eight.

Ruins of a huge theater with a stage over 400 feet long and accommodation for 12,000 spectators have been found in Syria at Apames.

British scientists are being urged to make motion picture records of English folk dances and festivals before these folk customs are forgotten.

When white men came to America, the bison were probably about as numerous as people are today—over 100,000,000 is considered a conservative estimate of the bison in those days.

To give premature infants a better chance of survival, the Children's Hospital in Cincinnati keeps an air-conditioned room for them, with temperature at 84 degrees and humidity 65 per cent.

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.

AERONAUTICS

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How can the particles of a powder be made to grind themselves finer? p. 36.

How does Mr. Ford describe the difficulties in designing rear-end engines? p. 37.

What does it cost to have air conditioning in your home? p. 40.

HOROLOGY

How did the first alarm clock operate? p. 38.

INVENTION

What gives great importance to the discovery of X-Rays? p. 41.

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Where has the closest survey of rainfall been made? p. 46.

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PHYSICS

What would be the greatest invention? p. 41.

PHYSIOLOGY—PSYCHOLOGY

How can noise cause auto accidents? p. 41.

POPULATION

Why do Swedish population experts approve of birth control? p. 40.

Glass piping is gaining use in Germany, to save iron for armaments.

A Texas potato chip factory uses a washing machine to wring the water out of potato chips.

Forty kinds of antelope have been exhibited at one time or another in New York's Zoological Park.

To be happy, every member of a family needs affection, recognition, mastery of some one thing, and new experiences, says Dr. Ethel Waring of Cornell University.

Rice oil is being used for the first time in oleomargarine in the United States.

"Fire College" courses were held last year in 26 states to demonstrate the latest ideas in fire fighting.

The University of California keeps a colony of purebred cocker spaniels for its experiments with proper diets for dogs.

A noted British scientist used to visit art exhibits in order to report which pictures were good or bad in portraying clouds, lightning, and rainbows.

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CIGARETTES!

If you are just an average cigarette smoker you are probably wedded to one brand and may remain wedded to it after you've read our report on CIGARETTES in the July issue of CONSUMERS UNION REPORTS.

In spite of that, however, we think you'll find this report one of the most illuminating and interesting Consumers Union has ever published. In preparation for eight months, this report:

1. Rates more than 40 brands, by name (including Camel, Chesterfield, Old Gold, and Lucky Strike), for nicotine content and strength;
2. Tells you the physiological effects of smoking;
3. Presents data from carefully controlled smoking tests and laboratory tests;
4. Gives facts about de-nicotinized cigarettes and about the new filter-holders advertised as de-nicotinizers;
5. Discusses methods of stopping smoking and gives six rules for "seeming to smoke" which will reduce the injurious effects of smoking to a minimum.

Besides this report, the July issue also contains the results of laboratory and use tests on GASOLINES, SUNBURN PREVENTIVES, and several other products—with ratings *by brand name* as "Best Buys," "Also Acceptable," and "Not Acceptable." The report on GASOLINES shows how it is possible to make savings of from \$15 to \$50 on gasoline expenditures.

REFRIGERATORS!

Are you planning to buy a refrigerator? If so, you will find the results of tests on 1938 refrigerators, published in the June issue of CONSUMERS UNION REPORTS, indispensable in making your selection. They point the way to savings of from \$20 to \$40 on the purchase price alone and show which brands offer the most substantial annual savings on operating costs. Twenty models are rated in this report in the estimated order of their merit.

Another report in this same issue rates 17 brands of DOG FOOD as "Best Buys," "Also Acceptable," and "Not Acceptable," and discusses the proper feeding of dogs. If you have been led to regard canned dog foods as adequate feeding in themselves, you owe it to your dog to read this report. Still other reports in this issue cover MEN'S HANDKERCHIEFS, CANNED STRING BEANS, CANNED FRUIT SALAD, CLEANSING TISSUES, FRESH FRUITS & VEGETABLES, and other products.



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