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7-18-9

## Questions

**ENGINEERING**—How can scientists obtain a picture of some processes in living cells? p. 42.

**OCEANOGRAPHY**—In what ways can a large quantity of water be forced from the ocean depths up to the surface? p. 35.

**VIROLOGY**—What is the structure of the polio virus? p. 40.

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## Do You Know

*Gasoline* taxes in the U. S. vary from state to state, but the national average currently is six cents.

*Tornadoes* killed fewer persons in the last five years than in any comparable period in the last 40 years.

The largest *hailstone* verified by the U. S. Weather Bureau fell at Potter, Nebr., on July 6, 1928, and weighed one and a half pounds.

### METEOROLOGY

## Weather Bureau Changes Style of Its Daily Map

THE WEATHER Bureau is now issuing an easier-to-read daily weather map.

It is printed in a soft sea green color, instead of the blue previously used. The type is larger, and explanations simplified. The new map also shows the weather over a larger part of Canada and Mexico, as well as the Atlantic and Pacific Oceans and the Gulf of Mexico, than did previous ones.

For the first time, the daily map also shows the positions of mountains, known to have an important effect on local weather development. The daily weather map consists of one large map showing in detail weather recorded in the U. S. and adjacent areas at 1:00 a.m., EST, on the day of issue. In addition, there are four smaller maps, which also in the new version cover an enlarged territory.

These show the surface weather at 1:00 p.m., EST, the day prior to date of issue, the temperature and wind systems at about 18,000 feet above the surface, the highest and lowest temperatures during the 24 hours ending at time of issue, and the precipitation areas and amounts during the previous 24 hours.

Science News Letter, July 18, 1959

### PUBLIC HEALTH

## Citizens of Hawaii Outlive Mainlanders

HAWAIIANS, the newest members in the United States, live longer than their mainland counterparts.

The latest available statistics show that the average life span for males in Hawaii is 67.76 years, or two and one-quarter years longer than men on the U. S. mainland.

Female Hawaiians can expect to live just slightly longer than American women. Hawaiian women have a longevity average of 71.29 years, statistics from the Metropolitan Life Insurance Company, New York, revealed.

The leading causes of death are about the same for Hawaii as for the U. S. Heart disease ranks far ahead as the number one menace.

In the continental U. S., heart and renal diseases cause 54.5% of all deaths. In Hawaii, the same diseases cause one-third of the total number of deaths.

Cancer is the number two menace in Hawaii just as it is on the mainland. This disease is responsible for one-sixth of all deaths in each location, according to figures compiled by the National Health Education Committee, Inc., New York.

Continental Americans appear to have more fatal accidents, however. This is the number three cause of deaths in the U. S. while accidents rank fourth as a cause of death in the Islands.

Hawaii's third ranking killer is the U. S.'s fourth, diseases of early infancy. Influenza and pneumonia take fifth place in both locations, however.

Science News Letter, July 18, 1959