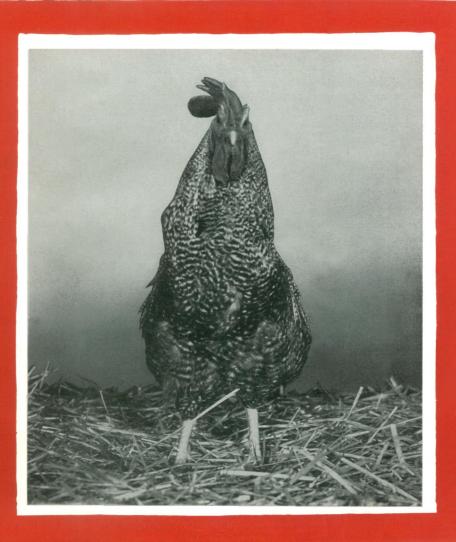


SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE.





OCTOBER 13, 1934



Psychologists Take an Interest See Page 234

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DO YOU KNOW?

Census figures show cancer to be relatively common among children and young people.

Radium is one of the few imports of the United States not affected by the economic depression.

Methods of getting pine trees to yield more turpentine are being studied by Federal scientists in Florida.

There are more than 6,000 species of insects that play an important role in economics of the United States.

A tiny flea beetle has been proved guilty of spreading Stewart's diseasea troublesome malady of sweet corn.

"Ship-worms" and other marine borers are becoming increasingly troublesome along New England coast, causing bridge and pier failures.

A government poultry expert suggests that farmers can keep track of the best egg layers in a flock of hens by attaching leg bands of three colors.

It takes plant breeders 12 to 15 years to select, test, and prove a new variety of grain.

Twins occur once in about 87 births in the United States, but in Denmark the proportion is once in about 63.

The Antarctic is not always a shivery place; one explorer reported suffering from the heat in South Victoria Land in summer.

New surveys show that the Grand Teton, highest peak in the national park of that name, is 13,766 feet high, or 19 feet higher than was supposed.

Sesame is found to be one of the richest of grains in its content of calcium, which is important in bone and tooth development.

In its training of physicians, the Soviet Union prepares 75 per cent. of its medical students to be general practitioners, and the remainder, chosen by examination, are educated as special-

WITH THE SCIENCES THIS WEEK

ASTRONOMY

Why will another disc be poured for the 200-inch telescope? p. 231.

BIOPHYSICS

How can the electric charges on bacteria be studied? p. 227.

CHEMISTRY

How is heavy water made? p. 232.

What has the bloodworm contributed to our knowledge of heredity? p. 236. General Cytology—Ed. by Edmund V. Cowdry—Univ. of Chicago, 1924, \$7.50.

DENDROLOGY

How can we spare the Christmas tree and enjoy it too? p. 238. The Cultivated Conifers in North America—L. H. Bailey—Macmillan, 1933, \$7.50.

What use has the "saksaul"? p. 233. The Plant in Relation to Water—N. A. Maximov—Macmillan, 1929, \$6.50.

What new use have mothball crystals? p. 233.

MEDICINE

What is the American College of Surgeons doing to reduce cancer? p. 230.

ORNITHOLOGY

How does the normal rooster get up from a lying position? p. 234.

PHYSICS

How can the pattern of snowflake crystals be imitated? p. 236.

What is Dr. Millikan's explanation of the origin of cosmic rays? p. 229.

What is peculiar about the newly discovered mass thirteen isotope of nitrogen? p.

What spoiled most of the stratosphere cosmic ray films? p. 233.

Where should one look for the explanation of the quality of a steel? p. 228.

PHYSICS-MEDICINE

How can medicine aid physics? p. 237. What are the advantages of artificial radio-active substances for cancer treatment? p. 228. The Science of Radiology—Ed. by Otto Glasser—Charles C. Thomas, 1933, \$4.50.

PHYSIOLOGY

What is the effect of thymus treatment of rats? p. 227.

PSYCHIATRY

When can criminal behavior be prevented? p. 232.

PSYCHOLOGY

What effect has physical punishment on later tendencies to cheat? p. 233.

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, postpaid in the United States.

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