

Glenn and Donovan A. Johnson—*Webster Pub. Co.*, 49 p., illus., paper, 75¢. To introduce the student to the pleasure of reading mathematics as an adventure.

SCIENCE CIRCUS—Bob Brown—*Fleet Pub.*, 253 p., illus., photographs, \$4.50. Shows how to perform 153 experiments and stunts by using household equipment; gives reason for each experiment and thus teaches the youngsters while they are having fun.

SETS, SENTENCES AND OPERATIONS—Donovan A. Johnson and William H. Glenn—*Webster Pub. Co.*, 63 p., illus., paper, 85¢. To encourage the student to explore mathematics on his own.

SIR MORTIMER WHEELER—Ronald W. Clark—*Roy Pub.*, 112 p., illus., \$2.50. Archaeologist's biography for young persons.

THE SPACE ENCYCLOPAEDIA: A Guide to Astronomy and Space Research—M. T. Bizony, Ed.—*Dutton*, 2nd rev. ed., 288 p., 320 illus., \$6.95. More than 700 entries dealing with the known facts about satellites, missiles, upper atmosphere research and all branches of astronomy, written by experts in these fields.

STATIONARY PROCESSES AND PREDICTION THEORY—Harry Furstenberg—*Princeton Univ. Press*, 283 p., paper, \$5. Shows how stochastic processes and sequences may be used to analyze systematically various stationary processes and their sample sequences.

STATISTICAL PROCESSES AND RELIABILITY ENGINEERING—Dimitris N. Chorafas—*Van Nostrand*, 438 p., illus., \$12.75. Designed particularly for reliability engineers, it presents an integrated approach to stochastic processes and to their use as a means for prediction and control.

THINGS TO DO IN SCIENCE AND CONSERVATION—Byron L. Ashbaugh and Muriel Beuschlein—*Interstate*, 163 p., illus. by Tom Seagars, \$2.50. Demonstrations and projects illustrating scientific concepts related to conservation of natural resources, both on elementary and advanced level.

UNDERSTANDING WEATHER—O. G. Sutton—*Penguin*, 212 p., illus., paper, 95¢. Outlines in simple terms the main features of climate and weather, explaining the methods needed to analyze the complex data of meteorology.

VIDEO TAPE RECORDING—Julian L. Bernstein—*Rider, J. F.*, 268 p., illus., \$8.95. Presents a basic treatment of the techniques, mechanics and circuitry used in the rapidly expanding field of video tape recording.

WINDOWS IN THE WOODS—Heinz Sielmann, transl. from German by Sidney Lightman, introd. by E. Thomas Gilliard, foreword by James Fisher—*Harper*, 139 p., photographs, \$4.95. Takes the reader with the naturalist-photographer into the woods to observe woodpeckers at close range, their nesting, breeding and feeding.

• Science News Letter, 78:156 September 3, 1960

Do You Know

The United States produces about 90% of the *timber* we use.

Dairying is the greatest single source of farm income in America today.

A *synthetic soil* for house plants, chemically treated to eliminate souring and odors, is now on the market.

The fact that an unusual blood substance in patients with *rheumatoid arthritis* is also found in the blood of their relatives raises the possibility that it may be inheritable.

BOTANY

Unnamed Peruvian Plant Has Record Chromosomes

➤ FIVE HUNDRED AND TWENTY chromosomes have been found in an unnamed plant discovered growing on Inca ruins in Peru.

Prof. Charles H. Uhl of the New York State College of Agriculture at Cornell University was sent the plant from Peru. He counted the chromosomes, which help determine heredity, and announced the plant had more than any other flowering species known.

The blue-green plant, a member of the genus *Echeveria*, will probably be around for a long time. Cornell scientists said that the plant's large numbers of chromosomes might give it a better chance of surviving an atomic war than most other living things.

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CONSERVATION

Rules Eased on Hunting Birds Over Seeded Land

➤ MIGRATORY BIRDS will be fair game during this fall's hunting season over planted or harvested agricultural lands.

Effective Sept. 1, the U. S. Department of the Interior has relaxed its restrictions on hunting methods because of late fall plantings. Under the previous rules, hunters could engage in shoots only over agricultural land on which seed might have been scattered as a result of harvesting. Unaware of fall plantings, many hunters unwittingly were violating the limited regulation.

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PUBLIC HEALTH

Red Cross to Aid School-age Chileans

➤ A LONG-RANGE PROGRAM to aid Chilean children who suffered from the earthquake disaster that rocked the nation last May and June has been announced by the American Red Cross.

As a part of the continuing Red Cross assistance to the stricken nation, a \$500,000 relief program has been undertaken to assist school-age Chileans. One of the main under-

takings is a \$30,000 project to provide \$15 a month for a period of five months to 400 of the neediest students at the University of Concepcion and the University of Austral in Valdivia.

Another project will give Chilean schools in the devastated area 150 school assistance units, chests containing educational supplies, health and sanitary items, tools and recreational equipment. These units are designed so that the export packing cases can be converted into bookcases or storage cabinets.

These and several other projects are in addition to the aid—\$2,000,000 in cash and \$700,000 worth of supplies—already extended by the Red Cross to Chile.

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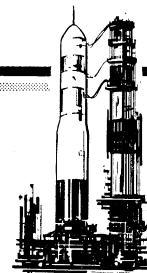
Questions

ASTRONOMY—What is the "suburban" population of stars in a galaxy? p. 147.

PSYCHIATRY—What are some of the elements of the psychic constitution of the swindler? p. 153.

TECHNOLOGY—Why would salt water be used to collect solar power? p. 149.

Photographs: Cover, Boeing Airplane Company; p. 147, U. S. Air Force; p. 149, General Dynamics Corporation; p. 151, Minnesota Mining and Manufacturing Co.; p. 154, Courtesy of David J. Wilson, Jr.; p. 160, Solar Products.



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