

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

A BIBLIOGRAPHY ON FOREST GENETICS AND FOREST TREE IMPROVEMENT 1958-1959—Jonathan W. Wright and Paul O. Rudolf—U. S. Forest Service (GPO), 93 p., paper, 35¢.

BODY, MAN AND CITIZEN: Selections from Thomas Hobbes—Richard S. Peters, Ed.—Collier, 414 p., paper, 95¢.

THE CALCULUS—William L. Schaaf—Doubleday, 436 p., paper, \$1.95. Emphasizing fundamental concepts, planned for home study and review as well as for classroom use.

CHARLES LYELL—Sir Edward Bailey—Doubleday, 214 p., illus., \$3.95. A leading nineteenth century British geologist.

COMPARATIVE MORPHOLOGICAL STUDIES IN THEACEAE—Hsuan Keng—Univ. of Calif. Press, 114 p., illus., paper, \$2.50. A study of two subfamilies, Ternstroemiaceae and Camelliaceae, giving special attention to the genera *Cleyera*, *Tutcheria* and *Camellia*.

CONCISE HISTORY OF EDUCATION: From Solon to Pestalozzi—Hermann Weimer, transl. from German by I. Langnas—Philosophical Lib., 160 p., \$4.75. The great works and the great men in the teaching field are discussed and evaluated.

THE DEVELOPMENT OF ELECTRICAL TECHNOLOGY IN THE 19th CENTURY: 3. The Early Arc Light and Generator—W. James King—U. S. National Mus. (GPO), 74 p., illus., paper, 70¢. Electric light became economically feasible only after it was shown that many arc lights could be connected to a single generator.

ESSAYS IN SKEPTICISM—Bertrand Russell—Philosophical Lib., 90 p., \$2.75. Presenting some old observations along with new thoughts expressed on his 90th birthday.

EXPERIMENTAL BIOLOGY—Richard W. Van Norman—Prentice-Hall, 243 p., illus., \$10.00. Discussing the techniques and instruments used and the handling of data mathematically and statistically for the beginner in experimental research in biology.

GUIDE TO UNDERGRADUATE PROGRAMS IN MATHEMATICS—Clarence B. Lindquist—U. S. Office of Education (GPO), 25 p., paper, 25¢. Data on the kinds, requirements and characteristics of undergraduate degree programs in mathematics at 864 institutions.

A HANDBOOK OF HEART DISEASE, BLOOD PRESSURE AND STROKES: The Causes, Treatment, and Prevention of These Disorders—C. Anthony D'Alonzo—Collier, 127 p., illus., paper, 95¢. Summarizing the workings of the cardiovascular system, what can go wrong with it and how to correct it, but warning against the dangers of self diagnosis.

HOUSE PLANTS—Harold O. Perkins, Ed.—Brooklyn Botanic Garden, 97 p., illus., paper, \$1.00. Covering the cultivation of plants ranging from trees to the small African violet which can be grown indoors.

INVENTIVITY: How Man Creates in Art and Science—Robert E. Mueller—Day, 193 p., illus., \$4.00. Creativity is natural to man, says the author; it is his imagination in action.

LIVINGSTONE AND AFRICA—Jack Simmons—Collier, 160 p., paper, 95¢. Showing the effect that Livingstone's work and teaching had in changing the ideas the world held about Africa and its people.

PLASMA HYDROMAGNETICS—Daniel Bershadler, Ed.—Stanford Univ. Press, 146 p., illus., \$4.50. Prepared for the Sixth Annual Lockheed Symposium on Magnetohydrodynamics, held December 1961, reporting both theoretical and experimental work.

THE PRAXIS OF MY SYSTEM: A Textbook on Practical Chess—A. Nimzovich, translated by J. Du Mont—Dover, 364 p., illus., paper, \$2.00. An unabridged republication, first published in 1936.

PRINCIPLES OF MECHANICS AND DYNAMICS—Sir William Thomson (Lord Kelvin) and Peter Guthrie Tait—Dover, 2 vols., 508 p., 527 p., paper, \$2.45, per vol. Reprint of 1912 revised ed. of "Treatise on Natural Philosophy."

PROCEEDINGS OF NUTRITION EDUCATION CONFERENCE—Agricultural Research Service—USDA (GPO), 69 p., illus., paper, 45¢. Theme of conference held January 1962 was improving nutrition education for children.

PSYCHOLOGY: The Science of Mental Life—George A. Miller—Harper, 388 p., illus., \$6.95. A

history of psychology covering key topics in the order in which psychologists developed them.

RESEARCH IN THE TEACHING OF SCIENCE, JULY 1957-JULY 1959—Ellsworth S. Obourn, Paul E. Blackwood and Margaret J. McKibben—U. S. Office of Education (GPO), 84 p., paper 35¢. In collaboration with the National Association for Research in Science Teaching. To make summaries of selected research available to school personnel and research workers.

SCIENCE WRITER'S GUIDE—John Foster, Jr., foreword by Alton Blakeslee—Columbia Univ. Press, 253 p., \$6.00. Setting forth some principles and practices of science writing and defining many contemporary scientific terms.

STOCHASTIC CHOICE OF MODE IN URBAN TRAVEL: A STUDY IN BINARY CHOICE—Stanley Leon Warner—Northwestern Univ. Press., 90 p., \$5.00. Study of aspects of the choices of mode of travel made by individuals in different circumstances.

A TREASURY OF BRITISH CHESS MASTERPIECES: One Hundred Six Games—Fred Reinfeld—Dover, 2nd ed., 260 p., illus., paper, \$1.45. Republication of work first published in 1950 with the addition of six games from 1949-1961.

UNDER THE SEA-WIND: A Naturalist's Picture of Ocean Life—Rachel L. Carson—New Am. Lib., 157 p., illus., paper, 60¢. Reissue (1955).

THE WONDERS OF ROBOTS—Michael Chester—Putnam, 126 p., illus. by Bill Plummer, \$1.95. From mouse trap to computer, explains in nontechnical terms the operation of robots.

• Science News Letter, 83:28 January 12, 1963

GENERAL SCIENCE

News From Science Clubs

➤ IDEAS used by some science clubs to raise funds for their clubs projects are:

The members of the C-S.H.S. SCIENCE CLUB of Carver-Smith High School, Columbia, Tenn., have used part of the dues collected to subscribe to current scientific publications. In November they sponsored a most successful variety show and the funds raised will be used to present a scholarship on Awards Day to the most outstanding senior member of the club, to give recognition gifts to members who do outstanding work during the year, and to pay the transportation for field trips.

THE STERLINGTON HIGH SCHOOL SCIENCE CLUB, Sterlington, La., plans to display science exhibits at the school and business places, to help sponsor the school science fair; to raise funds for science materials and reference books for the school library.

THE HARDING SCIENCE CLUB of the Harding Township School, New Vernon, N. J., raises funds by showing Hollywood films on Friday evenings. Some of their club projects are planting

shrubs and evergreens on the front lawn of the school; presenting demonstrations, debates, current science news, and reports on the newest scientific materials on the market. The club recognizes annually its five most active members and presents a science club ribbon to each.

Funds are raised by THE PIUS SCIENCE CLUB of Paul Schulte High School, Terre Haute, Ind., to build cabinets for chemistry and physics equipment and for additional equipment needed by the Science Department.

THE CHEMOCRATS of Pueblo Junior College, Pueblo, Colo., presented Chemical Capers, a science show, at six elementary schools and at the college for two nights, making \$185. Additional funds were raised by shoveling snow, car washes and a bake sale. They used the money to buy a school bus which they renovated and used for a summer field trip of 13 days to Oak Ridge, Tenn. To help with their expenses, they camped out and cooked their own meals. The club sponsor accompanied the group and was the bus driver. This was their fifth summer trip.

The members of the ALIQUIPPA HIGH SCHOOL SCIENCE CLUB, Aliquippa, Pa., do car washes to help finance spring field trips to Washington, D. C., New York City, and Chicago.

Affiliate your club with SCA and report your activities to Science Clubs of America, 1719 N Street, N. W., Washington 6, D. C.

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Miracle in Mathematics

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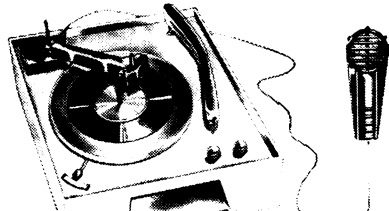
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