

Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC FOR THE YEAR 1959—Nautical Almanac Office, U.S. Naval Observatory—*Govt. Printing Office*, 589 p., \$4.25. Essential reference work for astronomers.

AND THERE WAS LIGHT: The Discovery of the Universe—Rudolf Thiel, translated from the German by Richard and Clara Winston—*Knopf*, 422 p., illus., \$6.95. The story, told readably for laymen, of the development of ideas in astronomy.

AUTOMOBILE FACTS AND FIGURES—*Automobile Manufacturers Association*, 37th ed., 80 p., illus., paper, free upon request direct to publisher, 320 New Center Bldg., Detroit 2, Mich. Contains tables, charts and other current information on the automotive and related industries.

BEHAVIOR MECHANISMS IN MONKEYS—Heinrich Klüber, with introduction by K. S. Lashley—*Univ. of Chicago Press*, 387 p., illus., \$6.50. New printing of a famous classic that has been out of print for many years. It was first published in 1933.

CATALYSIS: Vol. V, Hydrogenation, Oxo-Synthesis, Hydro-cracking, Hydro-desulfurization, Hydrogen Isotope Exchange and Related Catalytic Reactions—Paul H. Emmett, Ed.—542 p., \$15.00. This volume, the last of a series, deals with both the simple addition of hydrogen and the destructive hydrogenation or hydrogenolysis.

CORROSION AND WEAR HANDBOOK: For Water-Cooled Reactors—D. J. DePaul, Ed.—*McGraw-Hill* for U.S. Atomic Energy Commission, 294

p., illus., \$6.00. Background information and general principles for the benefit of those new to reactor work together with a reference book of data in the field.

DIAGNOSIS AND REMEDIAL TEACHING IN ARITHMETIC—Fred J. Schonell and F. Eleanor Schonell—*Oliver and Boyd*, 198 p., \$1.76. Telling teachers how to avoid failure when a student encounters some individual obstacles or difficulties.

MAN AGAINST THE UNKNOWN: The Story of Exploration—Joseph B. Icenhower—*Winston*, 117 p., illus. by W. Emerton Heitland, \$3.95. A member of one of the Byrd expeditions to the Antarctic writes for young people of the romance of exploration.

THE NEW APPLIED MATHEMATICS—Sidney J. Lasley and Myrtle F. Mudd—*Prentice-Hall*, 4th ed., 386 p., illus., \$3.40. Intended to furnish students with mathematical abilities, knowledge, and practice that will meet their everyday requirements.

PRESCRIPTION FOR SURVIVAL—Brock Chisholm—*Columbia Univ. Press*, 92 p., \$2.50. The president of the World Federation for Mental Health argues in this small book that if man is not to cause his own disappearance from the face of the earth, he must take immediate and drastic steps to alter his patterns of behavior and thinking.

PSYCHOLOGICAL DISORDER AND CRIME—W. Lindesay Neustatter, foreword by John Maude—*Philosophical Lib.*, 248 p., \$6.00. Not all

crime is due to mental illness, the English author explains, but some mental illnesses are linked with some crimes and in some cases treatment is more efficacious than punishment.

THE USE OF SOVIET MEDICAL RESEARCH INFORMATION BY AMERICAN MEDICAL SCIENTISTS—Saul Herner and Robert S. Meyer—*Herner, Meyer & Co.*, 53 p., mimeo, single copies free upon request direct to publisher, 2625 Eye St., N.W., Washington 7, D.C. Sight of a Soviet moon in the heavens raises the question of how advanced is their research in other fields. This is a report of an investigation of the extent of the interest in their medical research.

THE WILD HUNTERS: The Wolves, The Bears and The Big Cats—Gene Caesar—*Putnam*, 252 p., illus., \$3.75. Intended to interest the public in the fate of these wild creatures who face extinction because they are so ruthlessly being killed in the belief that they are evil.

THE WONDERFUL WORLD OF ENERGY—Lancelot Hogben—*Garden City Books*, 69 p., illus., \$2.95. The famous author of the "Wonderful World of Mathematics" traces the history of power from the days when men depended upon muscles and simple machines such as the inclined plane, the sledge, and flowing water.

Science News Letter, November 23, 1957

TECHNOLOGY

Paper Conducts Heat and Electricity

► PAPER BASED on metal fibers, capable of conducting heat and electricity and exhibiting magnetic properties and resistance to extreme temperatures, is being made in small quantities for research purposes.

Dr. Hanns F. Arledter, research director, Hurlbut Paper Co., South Lee, Mass., has made metal papers of steel, stainless steel, copper and aluminum. They are not merely metal foils, although they look like them.

The new papers are actually made of metal fibers, built up just like paper derived from wood pulp. The most successful metal papers made so far have been combined with other fibers, such as normal paper, glass or synthetics, to give them strength, although 100% metal papers also have been made.

Nearly any normal metallic property can be tailored into the new papers, Dr. Arledter said.

Only experimental quantities of the metallic fiber papers are being produced by the company, which also manufactures glass fiber papers developed by the U. S. Navy.

Science News Letter, November 23, 1957

A DECADE OF DIGGING

Major discoveries from all over the world . . . reports by archaeologists whose work adds new pages to the history of civilization . . . will be a special feature of the 10th anniversary (December) issue of

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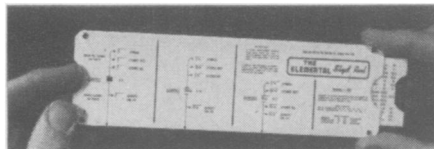
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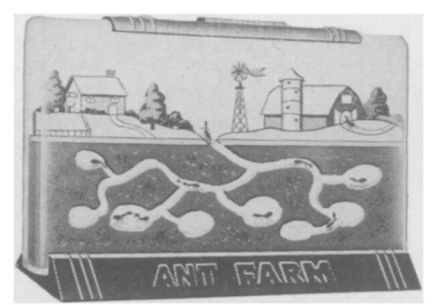
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