

books OF THE WEEK

THE ATLAS OF THE UNIVERSE
—By Patrick Moore—Rand McNally, 1970, 272 p., \$29.95 before Christmas, \$35.00 after.

Whether it was Confucius or Charlie Chan who said a picture is worth 10,000 words, the figure is an underestimate for the photographs in this volume. Here, in a very well-done four-color process, are photographs of the earth from space, of the moon and planets from space, of the planets, galaxies and stars through telescopes.

There are all manner of maps and plans. Amateur astronomers will welcome the star maps. Unlike those in many popular books, the cartography is sharp, and the proper coordinates are marked. Stars down to 6.5 magnitude are shown, and the symbols distinguish spectral classes, variables and binaries.

A large section of the book is devoted to detailed large-scale maps of the surface of the moon. Maps of the surfaces of planets are given. Radio

maps of several objects are also shown. Plans and charts illustrate different features of the solar system, the galaxy and the universe.

The accompanying text covers all branches of astronomy and describes all the varieties of astronomical objects. It also covers several branches of geophysics and the techniques of space exploration. It will tell the casual reader all he ever wanted to know and more about astronomical observing techniques.—D.E.T.

PIPPA: The Cheetah and Her Cubs—Joy Adamson—Harcourt, 1970, unpagged, photographs by author, \$4.95. A picture book of rare close-ups following a tame cheetah taught to live and hunt for herself in the African bush while continuing to share her pride in raising her litters with the author.

REMEMBERING THE ANSWERS: Essays on the American Student Revolt—Nathan Glazer—Basic Bks., 1970, 311 p., \$7.95. Chronicle, analysis and critique of the radicalization of a generation of American intellectual youth, assessing the consequences for both the university and society.

REGULAR AND RELATED SOLUTIONS: The Solubility of Gases, Liquids and Solids—Joel H. Hildebrand, John M. Prausnitz and Robert L. Scott—Van Nostrand Reinhold, 1970, 228 p., diagrams, \$10.95. Presenting a wealth of new experimental evidence, the book covers solubility within a thermodynamic framework using the microscopic or intermolecular potential foundation approach of solubility.

ROCK WEATHERING—Dorothy Carroll, foreword by George V. Keller—Plenum Press, 1970, 203 p., color plates, illus., \$15. Monograph deals with such topics as climatic control of weathering of rocks and soil formation, geochemical weathering, soil patterns produced by plant growth, and the mechanical disintegration of rocks.

SAVING OUR WILDLIFE—J. J. McCoy—Crowell, 1970, 232 p., photographs, \$5.95. Short history of conservation, quoting from the record, with glossary and reading list.

SCIENCE YEAR: The World Book Science Annual 1971—William H. Nault and Arthur G. Trassler, Eds.—Field Enterprises, 1970, 442 p., illus. in color, \$9.27. Features scientists' articles on topics of major importance in the sciences, summarizes advances in the various fields, and includes biographical sketches of research scientists.

SO YOU HAVE CATARACTS: What You and Your Family Should Know—Albert E. Sloane, M.D.—Thomas, C. C., 1970, 98 p., illus., \$5.75. Short manual of explanations, separates truths from hearsay and superstitions.

SQUIRRELS OF NORTH AMERICA—Dorcas MacClintock—Van Nostrand Reinhold, 1970, 184 p., illus. by Walter Ferguson, range maps, \$9.95. A reference for young and old, considers in detail the ground dwellers, tree squirrels and gliders, from prairie dog to flying squirrel, includes bibliography.

STATISTICAL ABSTRACT OF THE UNITED STATES 1970—William Lerner, Ed.—Bureau of the Census (GPO), 1970, 1018 p., charts, tables, \$5.75. Latest summary of U.S. statistics on social, political and economic organization, emphasizes social measures giving increased coverage to minority groups, poverty, military and pollution data.

STRUCTURALISM—Jean Piaget, transl. and ed. by Channah Maschler—Basic Bks., 1970, 153 p., \$5.95. An overview of the analytical method currently applied to almost every field of knowledge, evaluating work done in mathematics, physics, biology, psychology, linguistics, sociology and anthropology.

STUDENT POLITICS IN CHILE—Frank Bonilla and Myron Glazer—Basic Bks., 1970, 367 p., \$8.50. Study focuses on role of youth as an organized force in Chilean society, using a variety of social science techniques of data collection.

STUDENT POLITICS IN FRANCE: A Study of the Union Nationale de France—A. Belden Fields—Basic Bks., 1970, 198 p., \$7.95. A documented study of French student syndicalism and of the structure through which this concept developed into a working doctrine.

SURFACTANT BIODEGRADATION—R. D. Swisher—Dekker, 1970, 496 p., diagrams, \$33.50. Reviews the detergent revolution, waste surfactants and test methods, treats in detail the nature and structure of surfactants, the analytical methods, biodegradation test methods, ultimate biodegradation, including tabulated biodegradation data.

THEORY AND PRACTICE IN EXPERIMENTAL BACTERIOLOGY—G. G. Meynell and Elinor Meynell—Cambridge Univ. Press, 1970, 2nd ed., 347 p., illus., \$12.50. A documented guide to the fundamentals of microbiological technique. Revised throughout with new chapter on genetic technique, drug-resistance factors and other bacterial plasmids.

THREADS OF LIFE: Genetics from Aristotle to DNA—Aaron E. Klein—Natural Hist. Press, 1970, 158 p., illus., \$3.95. An account of the series of discoveries and of the men who contributed to our understanding of the science of heredity.

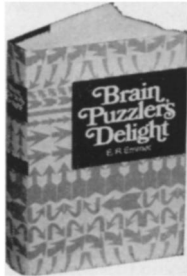
TRADITIONAL BALINESE CULTURE—Essays selected and edited by Jane Belo—Columbia Univ. Press, 1970, 421 p., 36 plates, drawings, \$17.50; \$20 after 12/31/70. Depicts the culture of an outstandingly creative people in a collection of pre-World War II papers written by specialists on Balinese music, dance, drama, art and psychological attitudes and practices.

THE TRANSMISSION OF PASSIVE IMMUNITY FROM MOTHER TO YOUNG—F. W. Rogers Brambell—Am. Elsevier Pub. Co., 1970, 385 p., illus., \$20.75. Reviews for each species, or group of similar species, the route of transmission, the passage of antibodies from the mother's circulation to that of her progeny, before birth and after.

WATER QUALITY ENGINEERING FOR PRACTICING ENGINEERS—W. Wesley Eckenfelder, Jr.—Barnes & Noble, 1970, 328 p., illus., \$4.95. Deals with the pollutional effects in natural waters, the characteristics of municipal sewage and industrial effluents, describes primary, biological and tertiary treatment, and sludge disposal.

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SOLVE THIS PUZZLE —



Jones, Brown, Smith, and Robinson were either a Driver, a Stoker, a Guard, or a Porter. Each wore either a red, blue, black or green shirt.

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