

Books of the Week

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge if price is less than \$2 to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

METHUEN HANDBOOK OF COLOUR—A. Komerup and J. H. Wansch—Methuen (Barnes & Noble), rev. 2nd ed., 243 p., illus., sample finder, \$9. Pocket guide for the identification of colors, explains basic color system facts and includes color dictionary of plates of 1,266 color samples accompanied by descriptive glossaries of color names.

MOON CRATERS AND OREGON VOLCANOES—Aaron C. Waters—Univ. of Ore. Bks., 70 p., photographs, folded map, paper, \$2. In this Condon Lecture 1966, geologist discusses the geology of the moon, combining information from photographs of the lunar surface with data yielded by the most sophisticated modern physical measurements on the earth.

MOTOR FUELS: Performance and Testing—William A. Gruse—Reinhold, 280 p., \$12. Useful technical information on how fuels and lubricants work in the automotive engines of today, tells how to find out by testing whether a particular fuel or lubricant is suitable for the service required.

NEUTRON NOISE, WAVES AND PULSE PROPAGATION: Proceedings of 1966 Symposium—Robert E. Uhrig, Ed.—AEC (CFSTI), 771 p., illus., paper, \$3. A report on the state of the art in the field of neutron noise analysis and neutron wave propagation and its time-domain equivalent neutron pulse propagation.

NONCONVENTIONAL SCIENTIFIC AND TECHNICAL INFORMATION SYSTEMS IN CURRENT USE, No. 4—National Science Foundation—GPO, 558 p., paper, \$1.75. Description of research in manual-card, tabulating, peek-a-boo, computerbased and photographic systems for the processing of technical information.

PRIDE'S PROGRESS: The Story of a Family of Lions—Emmy Haas—Harper, 116 p., 168

photographs by author, \$5.95. Shows the result of several years of watching a family group of lions at the African Plains exhibit of the New York Bronx Zoo.

PROGRAMMED REVIEWS OF MATHEMATICS 1: Fractions; 2: Linear and Literal Equations; 3: Quadratic Equations; 4: Exponents and Square Roots; 5: Logarithms; 6: Introduction to Statistics—Roberta J. Flexer and Abraham S. Flexer—Harper, 87 p., 138 p., 78 p., 99 p., 135 p., 98 p., paper, booklets 1, 4 & 6, \$1.75 each; 2, 5, \$1.95 each; 3, \$1.50. Designed to enable the reader to regain the mathematical proficiency he may have lost since high school.

PSYCHOLOGY TODAY, Vol. I, No. 1—Nicolas H. Charney, Ed.—CRM Associates, 80 p., illus., paper, \$1; monthly, \$9 per year. A general magazine about the new research in the various disciplines of psychology. See story SN 6/3/67.

TRIPOLI: A Modern Arab City—John Gulick—Harvard Univ. Press, 253 p., 38 plates, \$8.50. Study by social anthropologist of the present-day city of Tripoli, Lebanon (not the North-African port in Libya), inhabited mostly by non-Lebanese Arabs.

UNITS OF WEIGHT AND MEASURE: International (Metric) and U.S. Customary—L. J. Chisholm—NBS Miscellaneous Pubn. 286 (GPO), 251 p., paper, \$1.50. Supersedes Miscellaneous Publication 233, makes available most often needed conversion tables.

A VANISHING THUNDER: Extinct and Threatened American Birds—Adrien Stoutenburg—Natural Hist. Press, 124 p., illus. by John Schoenherr, \$3.50. Based on the records of naturalists, the book tells young people about the great auk, passenger pigeon and other disappearing species.

VIRUSES AND COLDS: The Modern Plague—John M. Adams—Am. Elsevier Pub. Co., 170 p., illus., \$5.75. Tells in layman's language what research has found out about the most common viral diseases affecting the respiratory passages of man.

WONDERS OF THE MONKEY WORLD: Monkeys and Apes in the Wild—Jacquelyn Berrill—Dodd, 88 p., illus. by author, \$3. Tell young people about recent scientific observations in the tropical rain forests.

Textbooks

CARBANIONS IN SYNTHESIS—D. C. Ayres—Hendrik F. Hamaka—Harper, 276 p., diagrams, \$10.50. Advanced undergraduate text, emphasizing reactions of nucleophilic carbon which are of synthetic importance.

COMPREHENSIVE TEXTBOOK OF PSYCHIATRY—Alfred M. Freedman, and Harold I. Kaplan, Eds., asst. by Helen S. Kaplan—Williams & Wilkins, 166 p., illus., \$24.75. Text includes all the major contributions and trends that are now influencing the directions in psychiatry, and emphasizes the behavioral science materials necessary for expansion of theoretical understanding.

GENERAL CHEMISTRY—Martin A. Paul, Edward J. King and Larkin H. Farnholt—Harcourt, 789 p., illus., \$9.95. Text for a first-year college course, presents chemistry not as an isolated subject but as related to other disciplines.

INTRODUCTION OF QUANTUM THEORY—Hendrik F. Hamaka—Harper, 276 p., diagrams, \$12. Designed to teach elementary quantum mechanics to undergraduates in chemistry and physics.

STATISTICAL MECHANICS, THERMODYNAMICS AND KINETICS—Oscar Kneifer Rice—Freeman, 586 p., diagrams, \$12.50. Textbook for senior and graduate-level courses, particularly for students majoring in chemistry.

MEET THE HEAVENS!

LUNAR MAP: 10" chart in 2 colors identifies 326 mountains, seas, craters. 25 cents
POPULAR STAR ATLAS: All stars to magnitude 5½ charted in book form. \$2.50
 Write for new free catalogue N.
 Dept. SNP
SKY AND TELESCOPE Cambridge, Mass. 02138

Films of The Week

Listing for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor.

DARWIN AND THE THEORY OF NATURAL SELECTION. 16mm, color and b&w, sound, 13½ min. Scenes filmed at the Galapagos Islands show plants and animals observed by Darwin; explains his experiments in England and how he arrived at his theory of the origin of species through natural selection. Audience: grades 10-12. Purchase \$150 color, \$75 b&w, from Coronet Films, 65 East South Water St., Chicago, Ill. 60601.


DIGGING UP THE PAST. 16mm, color, sound, 23½ min. Shows how archaeologists look for evidence of human occupation in the past, sites are recorded, how excavation is carried out, how records are kept, and how materials recovered from sites are preserved and studied. Audience: high school and college, adult groups. Purchase \$275 from Northern Films, Box 98—Main Office Station, Seattle, Wash. 98111.

GROWTH FAILURE AND MATERNAL DEPRIVATION. 16mm, b&w, sound, 28 min. Gives case histories of two children suffering from growth failure and shows poor conditions under which they lived. Demonstrates results which can be obtained by intensified care and human contact. Audience: nursing trainees, medical courses in psychology and sociology. Purchase \$170 from McGraw-Hill Films, Dept. WP, 330 West 42nd St., New York, N.Y. 10036.

WATER AND LIFE. 16mm, color, sound, 15 min. Because it can dissolve many substances, and because it is a liquid, water acts as a medium in which raw materials, foods, wasters, and other substances can be transported between living cells. Demonstrations, photography through the microscope, animation, and live-action photography showing necessity of water to living things. Audience: Junior, Senior High. Purchase \$175 from Film Associates, 11559 Santa Monica Blvd. Los Angeles, Calif. 90025.

WFF 'N PROOF

The **GAME** for THINKERS



Can you solve this problem?

1. There are three numbered statements in this box.
2. Two of these numbered statements are not true.
3. The average increase in I.Q. scores of those who learn to play WFF 'N PROOF is more than 20 points

Is statement No. 3 true?

A NEW DIMENSION IN EDUCATIONAL GAMES

WFF 'N PROOF: The GAME of MODERN LOGIC \$6.00 (plus \$.50 postage and handling)

EQUATIONS: The GAME of CREATIVE MATHEMATICS \$3.00 (plus \$.50 postage and handling)

ON-SETS: The GAME of SET THEORY \$4.00 (plus \$.50 postage and handling)

by Professor Layman E. Allen

Box 71-PD New Haven, Conn.

Please send me **WFF 'N PROOF**
 I enclose \$ **EQUATIONS**
 and understand that if I am not completely satisfied, I can return the games in 10 days for a full refund of the purchase price.

Name
 Address
 City State Zip

Refund and return privileges guaranteed!
 Dealer Inquiries Invited

WFF 'N PROOF



For Math Buffs—

THE MATH ENTERTAINER is the title of a brand new treasure trove of mathematical teasers, ticklers, traps and twisters, gems, jests and gyrations—by the hundred!—to beguile, bemuse, and bewilder (perchance—whisper it softly!—to instruct).

Includes: Math history, symbols, circles, triangles, measures, moneys, series, permutations, abbreviations, roots and powers, math instruments, ratios, arrangements, fractions, shapes, "limerick" problems, true-and-false, identifications, logarithms, associations, statistics, calculus "cocktails," crosswords, figures from figures, arches, codes, problems and puzzles, etc., etc. Some of the posers will seem easy, others hard, some will amuse, others exasperate—but none are dull!

Answers and complete explanations are given for all problems. Illustrated. **ORDER NOW!**

THE MATH ENTERTAINER

By Phillip Heafford

\$3.95 Postfree 10-day Money Back Guarantee

EMERSON BOOKS, Inc., Dept. 301-R
 251 West 19 Street, New York, N.Y. 10011