

BOOKS

BOOKS is an editorial service for readers information. To order any book listed or any U.S. book in print please remit retail price, plus 25¢ handling charge for each book to **BOOK ORDER SERVICE**, Science News, 1719 N Street, N.W., Washington, D.C. 20036. All books sent postpaid.

ANNUAL REVIEW OF EARTH AND PLANETARY SCIENCES, Vol. 3—Fred A. Donath, Francis G. Stehli and George W. Wetherill, Eds.—Annual Reviews, 1975, 466 p., illus., tables, \$15. Topics include the emergence of plate tectonics, the origin of birds, energetic particles and the lunar surface, array seismology, creep of rock, and metallogenesis of oceanic spreading centers.

THE BARBARA KRAUS DICTIONARY OF PROTEIN: Over 8,000 Brand Names and Basic Foods with Their Protein (and Caloric) Count—Barbara Kraus—Harper Mag Pr, 1975, 344 p., tables, \$8.95. Alphabetically arranged, per-pound and single-portion composition tables for both foods and beverages, USDA and brand names.

THE BRAIN BANK OF AMERICA: An Inquiry into the Politics of Science—Philip M. Boffey, introd. by Ralph Nader—McGraw, 1975, 335 p., \$10.95. Examines the influence of corporate, political and other special interests on the National Academy of Sciences. Evaluates the recommendations by prestigious Academy committees on important national issues of controversial nature.

THE COMPLETE FM 2-WAY RADIO HANDBOOK—Clayton L. Hallmark—TAB Bks, 1975, 295 p., illus., \$9.95; paper, \$6.95. Practical guide covers both servicing and operation of transmitters and receivers for police radio, taxicab, boaters' radio, amateur radio and citizen's band.

CRYSTALLINE BASEMENT OF THE ANTARCTIC PLATFORM—M. G. Ravich and E. N. Kamenev; transl. from Russian—IPST (Wiley), 1975, 582 p., photographs, tables, \$68. Monograph summarizes 12 years' study by Soviet geologists of the crystalline basement rock exposed over more than 8,000 km along the Antarctic coast.

ELECTRONIC EQUIPMENT RELIABILITY—J. C. Cluley—Halsted Pr, 1974, 172 p., diagrams, \$10.95. Deals with the mathematical background, reliability prediction, components failure rates and tests, and the principles of electronic circuit design for reliability.

ETHNIC VARIABLES IN HUMAN FACTORS ENGINEERING—Alphonse Chapanis, Ed.—Johns Hopkins Pr, 1975, 290 p., photographs, diagrams, tables, \$17.50. Based on symposium papers, book brings together data on national and cultural variables in the field of ergonomics, the study of human characteristics, capacities and limitations as they apply to the design of machines, living spaces and environment.

EXPERIMENTAL PSYCHOLINGUISTICS; An Introduction—Sam Glucksberg and Joseph H. Danks—LEA (Wiley), 1975, 246 p., illus., \$10. Reviews recent progress in studying the roles of language in thinking and communication, human vs. animal systems, speech perception, semantics, and linguistic relativity.

FACES OF THE FUTURE: The Lessons of Science Fiction—Brian Ash—Taping, 1975, 215 p., \$8.95. Reviews a wide-ranging selec-

tion from Abbott and Asimov to Wells and Wyndham, to illustrate the many ways in which the most imaginative writers have approached what might lie ahead for the human race.

FRAME ANALYSIS: An Essay on the Organization of Experience—Erving Goffman—Harvard U Pr, 1974, 586 p., \$12.50. Study deals with the way individual situations are defined and with the vulnerabilities to which these definitions are subject. Analyzes the structure of experience individuals have at any moment of their social lives.

GEM HUNTER'S GUIDE: How to Find and Identify Gem Minerals—Russell P. MacFall—T Y Crowell, 1975, 5th rev. ed., 323 p., color plates, 100 maps, \$7.95. Expanded edition lists more than 1500 North American localities where gems can be found.

HIGHLIGHTS IN ASTRONOMY—Fred Hoyle—W H Freeman, 1975, 180 p., color and b&w photographs, diagrams, \$10; paper, \$5.50. Concise overview of the present state of the art giving the layman a perspective, based on meticulous observation and firm reasoning, on new aspects of the universe.

INTERSTELLAR CONTACT—Duncan Lunan—Regnery, 1975, 324 p., illus., \$9.95. Well-versed in the technologies of astronautics, the author speculates on the feasibility of interstellar travel and communication, the possibility of contact with a civilization in space, and colonization of other planets.

LIQUID CRYSTALS FOR ELECTRONIC DEVICES—Edward L. Williams—Noyes, 1975, 264 p., diagrams, \$36. Supplies detailed technical information based on U.S. patents relating to the chemistry and practical preparation of liquid crystals. Covers cholesteric compounds, applications for cholesteric crystals, nematic compounds, and nematic and smectic liquid crystal display systems and devices.

THE MAKING OF THE EARTH: Volcanoes and Continental Drift—Haroun Tazieff, transl. from French by Veronica Lawson—Saxon Hse (Atheneum), 1974, 120 p., 24 photographs by author, drawings, \$7. Vulcanologist explains in layman's language the nature and significance of erupting gases which are the driving force of volcanic activity, and the tectonics of volcanic regions and submarine volcanoes.

MARTIN GARDNER'S SIXTH BOOK OF MATHEMATICAL GAMES from SCIENTIFIC AMERICAN—Martin Gardner—Scribner, 1975, 262 p., 183 diagrams, paper, \$5.95. Contains puzzles concerned with the helix, Klein bottles, combinatorial theory, parity checks, the trip around the moon, magic tricks, and infinite regress.

MODERN PERSPECTIVES IN THE PSYCHIATRY OF OLD AGE—John G. Howells, Ed.—Brunner/Mazel, 1975, 630 p., illus., \$20. Encyclopedic volume focuses on wide range of topics such as genetics, anthropological aspects, the pathology of dementia, neuroses, family psychopathology, functional psychoses, psychometric techniques, and geriatric services abroad.

ONSHORE PLANNING FOR OFFSHORE OIL: Lessons from Scotland—Pamela L. Baldwin and Malcolm F. Baldwin—Conservation Foundation (Universe), 1975, 184 p., photographs, maps, \$10; paper, \$5. Analyzes the onshore effects that accompanied the discovery of oil and gas offshore, development, construction of platforms, pipelines, refineries, and their environmental impact assessment in Scotland.

ORGANIC FARMING: Yearbook of Agriculture—Editors of Organic Gardening and Farming Magazine, Ray Wolf, Ed.—Rodale Pr, 1975, 96 p., photographs, paper, \$2.95. Tells of actual experiences of small farmers who grow crops the organic way, with sewage sludge, animal and green manure, and try to control weeds and bugs without chemicals.

THE ORIGIN OF THE IDEA OF CHANCE IN CHILDREN—Jean Piaget and Barbel Inhelder, transl. from French—Norton, 1975, 270 p., illus., \$12.50. Examines experimentally the formation of the physical aspects of the notion of chance, the quantification of probabilities, and the development of operations of combination and arrangement.

THE PEOPLE OF AFRICA—Jean Hieronax—Scribner, 1975, 230 p., photographs, maps, \$12.50; paper, \$4.95. Anthropological study of the biological history of the indigenous African populations and ethnic groups, their diversity explained in terms of the influences of the environment, climate, and cultural processes such as migration and sexual selection.

PHARMACOTHERAPY AND PSYCHOTHERAPY: Paradoxes, Problems and Progress—Committee on Research, GAP—Group for the Advancement of Psychiatry, 1975, 176 p., paper, \$6. Investigates critically the use of psychoactive drugs by mental health therapists and what is actually known about their effectiveness.

A PSYCHIATRIC GLOSSARY: The Meaning of Terms Frequently Used in Psychiatry—Shervert H. Frazier, M.D. et al—Am Psychiatric Assn, 1975, 4th ed., 156 p., paper, \$3. Explanation of terms intended to foster better understanding of mental disorders, contains A-Z glossary, and tables of psychoactive drugs, legal terms, psychological tests, and sleep disorders.

PSYCHOLOGY OF THE MEXICAN: Culture and Personality—R. Diaz-Guerrero—U of Tex Pr, 1975, 192 p., tables, \$10.95. Collection of essays based on studies of Mexican psychology, both as an independent phenomenon, and in cross-cultural comparisons of Mexicans, Mexican-Americans and Anglo-Americans.

TRITIUM AND ITS COMPOUNDS—E. Anthony Evans—Halsted Pr, 1975, 2nd ed., 837 p., illus., tables, \$55. Provides research workers with an informative critical review of progress in the field of tritium tracers. New emphasis is placed on the synthesis of tritium-labelled compounds, and a whole chapter deals with precautions in handling tritium.

THE WORLD OF THE PAST, Vols. 1 and 2—Jacquetta Hawkes, Ed.—S&S, 1975, 612 p., 719 p., plates, maps, paper, \$5.95 each. Anthology with editor's introductions, presents the history of archaeology in the words of the original discoverers. Vol. 1 covers the Stone Ages, Mesopotamia, Babylon and Egypt, vol. 2, Europe, Asia and the Western Hemisphere.

THE WORLD OF THE WASP—Joy O. I. Spoczynski—Crane-Russak, 1975, 188 p., plates, illus. by M. Spoczynski, \$11.75. Detailed and comprehensive study of social and solitary wasps in Britain, the United States, Guyana, India and West Africa. Tells how to make a reference collection.

YOUTH IN OLD AGE—Alexander Leaf, M.D.—McGraw, 1975, 233 p., photographs by John Launois, \$8.95. American physician, in search of the common factors in different cultures which relate to longevity, examines productive old people in the Caucasus, in West Pakistan and Ecuador, and discusses current research in aging.