

books OF THE WEEK

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ANNUAL REVIEW OF GENETICS, Vol. 3—Herschel L. Roman, Laurence M. Sandler and Allan Campbell, Eds.—Annual Reviews, 1969, 585 p., illus., \$8.50. Among other topics, deals with research on inborn errors of metabolism, globulin polymorphism in man, mutagenic mechanisms, wheat cytogenetics, and forest tree breeding.

APPOINTMENT ON THE MOON: The Full Story of Americans in Space, from Explorer I to the Lunar Landing and Beyond—Richard S. Lewis—Viking Press, 1969, rev. ed., 560 p., photographs, \$10. Updated account.

AUDUBON, BY HIMSELF: A Profile of John James Audubon—Selected from Writings by Alice Ford, Ed.—Natural Hist. Press, 1969, 276 p., 36 plates, \$8.95. Skillfully arranged autobiographical selections culled from the naturalist's letters, journals and published writings.

BEHAVIOR AND CONSCIOUS EXPERIENCE: A Conceptual Analysis—Kendon Smith—Ohio State Univ. Press, 1969, 140 p., \$6. Inquiry into what psychologists, biologists and behaviorists mean by such terms as stimulus, response, learning, and conscious experience.

BEHAVIOR THERAPY: Appraisal and Status—Cyril M. Franks, Ed.—McGraw-Hill, 1969, 730 p., \$15.95. Offers a source of appraisal of both the literature and techniques of conditioning therapy, with commentary and general critique.

BEHAVIOR SOCIOLOGY: The Experimental Analysis of Social Process—Robert L. Burgess and Don Bushell Jr.—Columbia Univ. Press, 1969, 418 p., diagrams, \$12.50. Collection of articles dealing with the achievement and potential of reinforcement theory in experimental studies of human social behavior.

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CASE STUDIES IN SCHIZOPHRENIA—Clarence G. Schulz and Rose K. Kilgallen—Basic Bks., 1970, 265 p., \$8.95. Seven intensive case studies show the therapist at work with severely disturbed hospitalized patients. Presents integrated program of treatment emphasizing balanced coordination of all the resources at a hospital's disposal.

CAUSES OF DELINQUENCY—Travis Hirschi—Univ. of Calif. Press, 1969, 309 p., \$8.95. A study of deviancy, analyzes current theories, describes their history and content, presents data and offers definition of delinquency suitable to quantitative research.

CHEMICALS FROM THE ATMOSPHERE—Charles H. Simpson—Doubleday, 1961, 181 p., paper, \$1.45. Describes how nitrogen and oxygen, alone or compounded with other elements, came into common use, from the first fire kindled some 500,000 years ago to propelling a manned capsule into space.

CONCEPTS AND DEVELOPMENT OF QUANTUM PHYSICS—John C. Slater—Dover, 1969, 322 p., diagrams, paper, \$3. Presents historically the development of ideas which contributed to the current understanding of atomic and molecular physics, and particularly of quantum mechanics.

ECONOMIC STRATEGY FOR DEVELOPING NUCLEAR BREEDER REACTORS—Paul W. MacAvoy—M.I.T. Press, 1969, 204 p., \$10. Review of research strategy, presenting a broad benefit-cost analysis based on consideration of national economic benefits rather than technical advances in efficiency alone.

FAMILY CONSTELLATION: Its Effects on Personality and Social Behavior—Walter Toman—Springer Pub. Co., 1969, 2nd ed., 280 p., illus., \$5.75. Extended to include the results of research on a new survey of over 3,000 families, presenting the eight sibling positions in the form of character portraits.

THE FIRST YEAR OUT: Mental Patients after Hospitalization—William W. Michaux and others—Johns Hopkins Press, 1969, 299 p., \$8. A systematic study, follows month by month, through the first year out, the course of adjustment of 139 patients, and analyzes variables to predict adjustment and rehospitalization.

THE LAST REDWOODS and the Parkland of Redwood Creek—Francois Leydet, introd. by Edgar and Peggy Wayburn—Sierra Club/Ballantine Bks., 1969, 160 p., color photographs by James Rose and others, \$8.50. Dedicated to the last survivors of an ancient genus of magnificent trees, the Sequoia sempervirens, still standing along the foggy rim of California's northern coast.

THE MARINE AQUARIUM for the Home Aquarist—Robert F. O'Connell—Great Outdoors Pub. Co., 1969, 158 p., 74 color photographs, \$6.95. Tells in detail how to raise salt water fish and create conditions in which they thrive, and describes fish families and species.

MOON FLIGHT ATLAS—Patrick Moore—Rand McNally, 1969, 48 p., photographs, illus. in color, \$5.95. About mapping the earth's natural satellite, the Apollo explorations, astronauts, their instruments, landings and findings.

MOTOR APPLICATION AND MAINTENANCE HANDBOOK—Robert W.

Smeaton, Ed.—McGraw-Hill, 1969, 656 p., illus., \$22.50. Divided into 21 quick-reference sections to serve engineers and technicians who work with electric motors, the book covers in detail motor load data and motor characteristics.

NIGHTSHADES: The Paradoxical Plants—Charles B. Heiser, Jr.—Freeman, 1969, 200 p., photographs, drawings, \$5.95. Highly readable and informative book about the plant family that comprises peppers, potatoes, tomatoes, Burbank's controversial wonderberry, mandrake, belladonna, tobacco and petunia.

OUR BLUE PLANET: The Story of the Earth's Evolution—Hans Haber, transl. from German by Ernst Stuhlinger—Scribner, 1969 86 p., \$5.95 Based on physicist's original radio series, the book tells informally about how the earth evolved, how life developed, what forces gave the earth its present shape, and what its future may be.

PERSONALITY TESTS AND REVIEWS: Including an Index to The Mental Measurements Yearbooks—Oscar Krisen Buros, Ed.—Gryphon Press, 1970, 1659 p., \$35. Makes readily available original and excerpted test reviews; references on the construction, use and validity of specific tests; comprehensive bibliography, author index, MMY test and title index.

THE PHYSICS OF GLACIERS—W. S. B. Paterson—Pergamon Press, 1969, 250 p., photographs, diagrams, \$5.50; paper, \$4. Deals with the transformation of snow and ice, the mass balance of glaciers, measurements of flow, surges, and other physical principles underlying the behavior of ice sheets.

THE ROMANCE OF WATER—Herbert Wendt, transl. from French by J. B. C. Grundy—Hill & Wang, 1969, 220 p., 34 plates, \$5.95. Backed by facts from oceanography, glaciology, the evolution and proliferation of species, the author presents the epic of the forces of water that helped shape the geological, plant and animal life on earth.

SAHARA—Christoph Kruger, Ed., with Alfons Gabriel and others—Putnam's, 1969, 183 p., 63 color plates, photographs, drawings, maps, \$15. Generously illustrated account of the geography, prehistory, peoples, animals and plants of the Great Sahara Desert.

A SINGLE SOCIETY: Alternative to Urban Arpatheid—Donald Canty—Praeger, 1969, 181 p., \$5.95. A look at critical events and ideas in urban slums and ghettos, seen from the vantage point of Urban America's Information Center of which the author has been director since 1967.

THE SPACE ENVIRONMENT—N. H. Langston, Ed.—Am. Elsevier Pub. Co., 1970, 238 p., plates, diagrams, \$7. Historical overview of astronautics, of what the program has discovered about the atmospheric structure of Earth, Venus and Mars, temperatures in space, radiation, meteoroid hazards and man in space.

WHEN YOUR CHILD IS ILL: A Guide to Infectious Diseases in Childhood—Samuel Karelitz, M.D.—Random House, 1969, 568 p., \$7.95. Revised (1957) to include new medical developments, answers more than 1,000 specific questions about childhood diseases—contagion, incubation, symptoms, treatment, isolation, prevention and hygiene.