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ATOMS FOR PEACE CONFERENCE, 1964—Report by the U.S. Delegation, Glenn T. Seaborg, Chmn.—GPO, 134 p., illus., paper, \$1. Highlights of U.S. scientific papers, exhibit programs and abstracts of important papers presented at the Third United Nations International Conference on the Peaceful Uses of Atomic Energy in Geneva.

THE BIOTIC WORLD AND MAN—Lorus J. Milne and Margery Milne—Prentice-Hall, 3rd ed., 665 p., illus., maps, \$8.95. Updated, well-organized text, includes bibliographies.

THE BIRDS OF CAPE COD, MASSACHUSETTS—Norman P. Hill, introd. by Roger Tory Peterson—Morrow, 364 p., plates, illus., \$6. Based in part on his field notes and conceived by the botanist and ornithologist Ludlow Griscom nearly 20 years ago, this report on the avifauna of one of the most varied bird areas of the U.S. outlines the known history of each species thus reconstructing the pattern of ecological changes.

BUDONGO: An African Forest and Its Chimpanzees—Vernon Reynolds—Natural Hist. Press, 253 p., photographs, maps, \$4.95. Anthropologist's account of tracking and observing chimpanzees in the rain forests of Uganda.

CATALOG OF FREE TEACHING MATERIALS—Gordon Salisbury—CFTM (Ventura, Calif.), rev. ed., 236 p., paper, \$1.75. Annotated listing under subject headings of free materials available to teachers.

CHANGING THE LAWBREAKER: The Treatment of Delinquents and Criminals—Don C. Gibbons—Prentice-Hall, 306 p., \$9.25. Reviews recent research on the causes of crime and delinquency, on the social patterns in correctional organizations, and points out areas of sociological theory to be incorporated in the training of correctional workers.

CLASSICAL CHARGED PARTICLES: Foundations of Their Theory—F. Rohrlich—Addison-Wesley, 305 p., diagrams, \$12.50. Written at graduate level to teach primarily the fundamental aspects of the nonquantum theory of the charged particle.

CRIME AND PERSONALITY—H. J. Eysenck—Houghton, 204 p., \$4.50. Presents to the lay reader the author's theory evolved from many detailed experimental studies of the antisocial behavior of men and animals under strictly controlled conditions.

DIBS, IN SEARCH OF SELF: Personality Development in Play Therapy—Virginia M. Axline—Houghton, 186 p., \$4. Dramatically presented case history of the psychological development of one small boy.

DISSECTION OF THE FETAL PIG—Warren F. Walker, Jr.—Freeman, set of 7 loose-leaf multi-paged sections, paper, illus., 20¢ each section. The seven exercises deal with the anatomy, digestive and respiratory system, veins and arteries, heart and circulation, urogenital system, sense organs, and nervous system.

EVALUATION AND MECHANISMS OF DRUG TOXICITY—J. J. Burns, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 123, Art. 1, 365 p., illus., paper, \$9. Papers discussing the basis of selective toxicity, metabolic and clinical aspects of drug toxicity, and drugs and the mammalian embryo.

THE EXCAVATIONS AT DIBON (DHIBAN) IN MOAB, Part I: The First Campaign, 1950-1951. Part II: The Second Campaign, 1952.—Fred V. Winnett and William L. Reed—Am. Schools of Oriental Research, 80 p. text, 99 plates, \$7.50. Monograph of special interest to students of the archaeology of the Middle East.

AN EXPLORATORY STUDY OF THE STRUCTURE AND DYNAMICS OF THE R&D INDUSTRY—Albert Shapero, Richard P. Howell and James R. Tombaugh—Stanford Research Institute, 144 p., charts, \$5.50. Study explores manpower factors that operate at an industry-wide or regional level.

THE FIRST BOOK OF ALASKA—Edith Stull—Watts, Franklin, 88 p., photographs, map, \$2.65. About life in the 49th State, and Alaskans at work and play.

THE FIRST BOOK OF SALT—Olive Burt—Watts, Franklin, 65 p., photographs, \$2.65. About the making of salt and its many uses.

FLORA, TEHUACAN VALLEY—C. Earle Smith, Jr.—Chicago Nat. Hist. Mus., 42 p., photographs, paper, \$1.50. Description of vegetation in the southeastern part of Puebla, Mexico.

GREECE—Helen Hill Miller—Scribner, 190 p., photographs, maps, \$3.95. A profile of contemporary Greece and the Greek people.

GUIDE TO MICROFORMS IN PRINT, 1965—Albert James Diaz, Ed.—Microcard Editions, 106 p., paper, \$4. Comprehensive guide, in alphabetical order, to materials available on microfilm and other microforms from U.S. publishers.

THE GULF STREAM: A Physical and Dynamical Description—Henry Stommel—Univ. of Calif. Press, 2nd ed., 248 p., illus., \$6. New chapter on recent developments reviews observational work on deep currents, recent theories of the wind-driven circulation and the thermohaline structure of the ocean.

HIGIENE DEL INDIVIDUO Y DE LA COMUNIDAD—C. E. Turner, transl. from English by Carolina Amor de Fournier—A.I.D. (La Prensa Medica), 2nd ed., 439 p., illus., \$7. The first edition in Spanish of this book was supported two decades ago under the program for the translation of books by the U.S. State Department and administered by Science Service. The success of that endeavor resulted in this second edition of the 12th English edition which had support from the A.I.D. organization in Mexico.

HUMIDITY AND MOISTURE: Measurement and Control in Science and Industry, Vol. II: Applications—Arnold Wexler, Ed.-in-Chief, Elias J. Amdur, Ed.—Reinhold, 634 p., illus., \$27.50. Presents the latest scientific investigations of phenomena in which humidity or moisture is the critical factor.

INTEGRATION, MEASURE AND PROBABILITY—H. R. Pitt—Hafner Pub. Co., 110 p., \$4. Mathematical monograph, deals with the mathematical techniques needed to establish the modern theory of probability.

INTRODUCTION TO HIGHER ALGEBRA—Maxine Bocher with E. P. R. Duval—Dover, 321 p., paper, \$2. Reprint (1907).

INTRODUCTION TO LATTICE THEORY—D. E. Rutherford—Hafner Pub. Co., 117 p., diagrams, \$5.75. Gives special attention to Boolean algebras and their applications to formal logic and the theory of switching circuits.

JAPAN: A Geography—Glenn T. Trewartha—Univ. of Wis. Press, 652 p., illus., \$8. Up-to-date reference book on the physical resources, the cultural features and the regional subdivisions of Japan.

LIFE HISTORIES OF NORTH AMERICAN NUTHATCHES, WRENS, THRASHERS AND THEIR ALLIES—Arthur Cleveland Bent—Dover, 475 p., 90 plates, paper, \$2.75. Reprint (1948), includes wren-tit, dipper, creeper and mockingbird.

LIFE HISTORIES OF NORTH AMERICAN WAGTAILS, SHRIKES, VIREOS AND THEIR ALLIES—Arthur Cleveland Bent—Dover, 411 p., 48 plates, paper, \$2.75. Reprint (1950), includes pipit, waxwing and starling.

LINES AND SHAPES: A First Look at Geometry—Solveig Paulson Russell—Walck, Henry Z., 31 p., illus., \$2.75. For the youngest readers.

THE NATURE OF HUMAN CONFLICT—Elton B. McNeil, Ed.—Prentice-Hall, 315 p., \$9.25. A study of the various facets of social science as they apply to human conflict on national and international levels.

NUMBER IN THE NEWS SERIES 14, No. 1: Arithmetic in a Rocket Age; No. 2: Arithmetic and Space Travel; No. 3: Arithmetic in a World of News—Virginia Merrill and Ruth L. Roche—Franklin Publications (Pasadena, Calif.), 3 pamphlets 32 p. each, illus., paper, \$1.95. Teachers Manual, 32 p., paper, \$1. Designed to relate arithmetic to pupils' current interests.

THE OXFORD HISTORY OF THE AMERICAN PEOPLE—Samuel Eliot Morison—Oxford Univ. Press, 1150 p., photographs, maps, \$12.50. Beautifully written and scholarly one-volume history portraying the American people up to 1964.

PRACTICAL BIOLOGY—C. Dodds and J. B. Hurn—Arnold (St. Martins), 112 p., illus., \$3. Offers a good practical basis for the study of biological principles in the laboratory.

QUANTUM OPTICS AND ELECTRONICS: Lectures Delivered at Les Houches, 1964 Summer School of Theoretical Physics, University of Grenoble—C. DeWitt, A. Blandin and C. Cohen-Tannoudji, Eds.—Gordon & Breach, 621 p., illus., \$10.50; paper, \$8.50. Included in this survey are recent developments in harmonic generation, Raman lasers and parametric amplification.

RODD'S CHEMISTRY OF CARBON COMPOUNDS, Vol. I, Part B: Monohydric Alcohols, Their Ethers and Esters, Sulfur Analogues, Nitrogen Derivatives, Organometallic Compounds—S. Coffey, Ed.—Elsevier Pub. Co. (N.Y.), 2nd ed., 313 p., \$18. A modern comprehensive treatise.

SCIENCE TEACHING IN THE ELEMENTARY SCHOOLS: A Survey of Practices—Paul E. Blackwood—OE (GPO), 104 p., paper, 65¢. Analyzes and presents data of first nationwide study of science teaching in public elementary schools.

THEORY AND APPLICATION OF MATHEW FUNCTIONS—N. W. McLachlan—Dover, 401 p., diagrams, paper, \$2.35. Reprint (1951).

TITRATIONS IN NON-AQUEOUS SOLVENTS—Jiri Kucharsky and Ludek Safarik, transl. from Czech—Elsevier Pub. Co. (N.Y.), rev. ed., 286 p., \$12.50. Presents critical survey of modern analytical methods assembled from the international literature, and deals with their various applications to practical problems.

TRACK OF THE BEAR—William Bixby—McKay, 309 p., photographs, \$5.75. The record of a Coast Guard ship that served on Arctic Patrol from 1886 to 1926, rescuing ships and enforcing federal law.

Nature Note

Shooting Star

➤ WITH ITS five petals delicately curved backward and its pollen-bearing stamens pointed forward in a cone, the shooting star grows along river banks, meadows and open woods from April until June, and is occasionally cultivated in gardens.

At the base of its stem, its leaves form a rosette of green, which is frequently marked with red.

The nodding flower is borne on a stalk from six to 20 inches high.

A member of the primrose family, the shooting star has a genus name that comes from the Greek meaning "twelve gods." *Dodecatheon meadia* bears flowers of lilac to pale pink and sometimes white. Its stamens are thin and golden yellow, thickening at the base where they are marked with magenta.

Bees spread pollen of the stamens from flower to flower. This is called cross-fertilization, the process by which seeds and future plants are produced.

Looking as if it had been gently turned inside-out, this flower grows throughout an area that extends from the District of Columbia and western Pennsylvania to Wisconsin, and south to Georgia and Texas.

• Science News Letter, 87:253 April 17, 1965

TRAINING METHODS FOR OLDER WORKERS
—R. M. Belbin—OECD (McGraw-Hill OECD-Unit), 72 p., illus., paper, \$2. This international study presents current scientific knowledge on adult learning capacity, experiences in training older workers and methods of training.

TRANSFORMING AND USING SPACE-RESEARCH KNOWLEDGE (Ten Diversified Views): NASA-UCLA Symposium and Workshop, 1964—Richard H. Brenneman and others—NASA (GPO), 110 p., illus., paper, 70¢. Discusses such subjects as bonding and welding of dissimilar metals, and glass-fiber reinforced plastic structures.

THE UNITED STATES OFFICE OF EDUCATION: A Century of Service—Harry Kursh—Chilton Bks., 192 p., \$4.95. Tells how and why the Office of Education was created, what it does today, and how it does it.

WATERFOWL TOMORROW—Joseph P. Linduska, Ed.—Fish & Wildlife Serv., USDA (GPO), 770 p., photographs, illus., maps, \$4. A book about the needs of the 48 species of ducks, geese and swans that live on the North American Continent, about the lands and waters that sustain these wildfowl in Canada, the United States and Mexico.

WEATHER—Philip D. Thompson, Robert O'Brien and the Editors of LIFE—Time Inc. Bks., 200 p., illus., \$3.95 direct to publisher, Time & Life Bldg., Chicago 11, Ill. Presents the scientific knowledge we have acquired about the earth's atmosphere and weather, graphically, colorfully and readably.

WEATHER ELEMENTS: A Text in Elementary Meteorology—Thomas A. Blair and Robert C. Fite—Prentice-Hall, 5th ed., 364 p., illus., \$10.60. Updated standard work includes data from satellite and IGY investigations.

• Science News Letter, 87:252 April 17, 1965

ASTRONOMY

One in 413 Meteors Has Asteroid Origin

➤ ONLY ONE in the more than 400 meteors detected and carefully analyzed from photographs taken by Super-Schmidt cameras could have come from an asteroid.

The other 412 result from the debris continually spilled into space by comets.

Virtually all meteors have the same composition, Drs. Luigi Jacchia, Franco F. Verniani and Robert E. Briggs of the Smithsonian Astrophysical Observatory, Cambridge, Mass., reported to the American Astronomical Society, meeting at the University of Kentucky. A meteor of zero visual magnitude and a velocity of 40 kilometers per second entering earth's atmosphere at an angle of 45 degrees from the horizon has a mass of 0.69 grams, the scientists found.

• Science News Letter, 87:253 April 17, 1965

OCEANOGRAPHY

Undersea Laboratory Built by Russians

➤ FOUR SOVIET RESEARCHERS will study the sea from their underwater laboratory, set about 45 feet off the shores of the Crimea. The house was described in *Izvestiya*, Jan. 28, 1965, a Moscow publication, translated by the Joint Publications Research Service, part of the U. S. Department of Commerce.

• Science News Letter, 87:253 April 17, 1965

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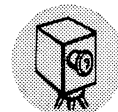
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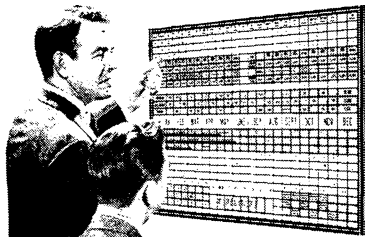
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