

# Books of the Week

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**AN ANALYSIS OF SOURCES OF INFORMATION ON THE POPULATION OF THE NAVAHO**—Denis Foster Johnston—Smithsonian Institution, Bur. of Am. Ethnology, Bull. 197 (GPO), 220 p., maps, \$2. A comparative investigation of the records and procedures of data gathering of the Bureau of Indian Affairs and the Bureau of the Census concerning the largest and least acculturated Indian tribe in the U.S. today.

**ANIMALS OF THE NORTH**—William O. Pruitt, Jr.—Harper, 173 p., illus. by William D. Berry, \$5.95. Natural history stories about caribou, lynx and other subarctic animals.

**THE CHEMICAL PLANT: From Process Selection to Commercial Operation**—Ralph Landau, Ed.—Reinhold, 327 p., illus., \$14.50. Intended to serve as a guidebook for practising engineers, research chemists and students, to the design-engineering-construction field.

**COLLECTED PAPERS OF L. D. LANDAU**—Intro. by D. ter Haar, Ed.—Pergamon, 836 p., portrait, \$28. Papers range from the Nobelists' contributions to the theory of superconductivity and of liquid helium, through solid state, plasma physics and hydrodynamics to quantum field theory.

**COMMUNICATING TECHNICAL INFORMATION: A Guide to Current Uses and Abuses in Scientific and Engineering Writing**—Robert R. Rathbone—Addison-Wesley, 104 p., paper, \$1.95. Concentrates on specific aspects of technical writing, such as titles, abstracts, introduction and "semantic noise."

**DIFFERENTIAL ALGEBRA**—Joseph Fels Ritt—Dover, 184 p., paper, \$2. Reprint (1950), deals with differential polynomials and algebraic differential manifolds.

**ENVIRONMENTAL BIOLOGY**—Philip L. Altman and Dorothy S. Dittmer, Eds.—Fed. of Am. Societies for Experimental Biology, 715 p., tables, diagrams, \$15. Presents tabulated qualitative and quantitative data on the effects of environmental factors on man, animals and plants, arranged for convenient reference in 10 topical sections, ranging from temperature to biological rhythms.

**THE GOLDEN AGE OF SCIENCE: Thirty Portraits of the Giants of 19th-Century Science by Their Scientific Contemporaries**—Bessie Zaban Jones, Ed.; introd. by Everett Mendelsohn—Simon & Schuster, 659 p., \$12. A selection from the biographical memoirs that the Smithsonian Institution began to publish in its annual reports in 1858, chronologically reaching from William Herschel to Svante Arrhenius.

**HANDBOOK OF SALAMANDERS: The Salamanders of the United States, of Canada and of Lower California**—Sherman C. Bishop—Comstock (Cornell Univ. Press), 555 p., 144 illus., 56 maps, \$12.50. Authoritative descriptions, family by family, of 126 species and subspecies of salamanders, with keys for identification.

**THE KENNEBEC RIVER**—Louise Dickinson Rich—Holt, 125 p., illus. by Lili Rethi, map, \$3.95. Historical developments along Maine's river, for young and old.

**LEXICON OF GEOLOGIC NAMES OF THE UNITED STATES FOR 1936-1960**—Part 1, A-F; Part 2, G-O; Part 3, P-Z—Grace C. Keroher and others—Geological Survey Bull. 1200 (GPO), 4341 p., paper, \$13 per set of 3 vols. A compilation of geologic names of the United States, its possessions, the Trust Territory of the Pacific Islands, and the Panama Canal Zone.

**THE LIFE AND DEATH OF A SATELLITE**—Alfred Bester—Little, Brown, 239 p., photographs \$5.95. Describes for the layman the complicated preparations and work involved in sending unmanned satellites and probes on their scientific missions, in particular the Orbiting Solar Observatory.

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**THE MARIHUANA PAPERS**—David Solomon, Ed., introd. by Alfred R. Lindesmith—Bobbs-Merrill, 448 p., \$10. Brings together for reference classic and contemporary documents, sociological, literary, scientific and legal.

**MEN AND PANDAS**—Ramona and Desmond Morris—McGraw, 223 p., photographs, \$7.95. A history of red and giant pandas in captivity, their origins and habits.

**MEN OF PHYSICS: Sir Arthur Eddington—C. W. Kilmister**—Pergamon Press, 279 p., vinyl, \$5.95. Considers the whole of Eddington's work, quoting for the major part extracts from the scientist's papers and books.

**THE MYTHMAKERS**—Mary Barnard—Ohio Univ. Press, 213 p., \$5. An appraisal of the origin of certain myths and mythical personae, using as clues observations of the conditions of life in the cultures to which the mythmakers belonged.

**ON PLAYING WITH LIONS**—Virginia McKenna and Bill Travers—Harcourt, 124 p., photographs, \$3.95. Pictorial record of living with and training wild lions in Kenya, as told by the principal actors who recreated the story of Joy, and George Adamson in the film "Born Free."

**PEARLS IN PICTURES**—Jo Mary McCormick—Sterling Pub. Co., 96 p., photographs, \$3.95. Concise text tells many facts about the history of the pearl industry, shows in detail how cultured pearls are made and harvested, sorted and sold.

**PHAGE AND THE ORIGINS OF MOLECULAR BIOLOGY**—John Cairns, Gunther S. Stent and James D. Watson, Eds.—Cold Spring Harbor Lab. of Quantitative Biology, 340 p., illus., \$12.50. Collection of personal reminiscences of the investigators describing the origins of molecular biology and the contribution of the bacterial viruses to its development.

**THE PHASE RULE AND HETEROGENEOUS EQUILIBRIUM**—John E. Ricci—Dover, 505 p., diagrams, paper, \$3.25. Reprint (1951).

**THE PHOTOCHEMISTRY OF GASES**—William Albert Noyes, Jr. and Philip Albert Leighton—Dover, 475 p., diagrams, paper, \$3. Reprint (1941).

**PILGRIMAGE FOR PLANTS**—Frank Kingdon-Ward, biog. introd. by William T. Stearn—Taplinger, 191 p., photographs, drawings, map, \$3.95. Narrative of professional plant explorer who made 23 expeditions and discovered many new species in the high mountain regions of Assam, Burma, China, and Tibet.

**PLANETS, STARS AND GALAXIES: Descriptive Astronomy for Beginners**—A. E. Fanning, rev. by Donald H. Menzel—Dover, 2nd ed., 189 p., 28 plates, diagrams, paper, \$1.35. A nontechnical comprehensive introduction to the present state of the art in astronomy.

**POLAR ANIMALS**—Alwyn Pederson, transl. from French by Gwynne Vevers—Taplinger, 188 p., 75 photographs by author, \$4.95. A first-hand account of the hardy animals and birds that inhabit the Arctic wastes of North-East Greenland, such as ermine, walrus, ptarmigan and lemmings.

**PRIMITIVE AND ARCHAIC MEDICINE, Vol. 1 of A History of Medicine**—Henry E. Sigerist—Oxford Univ. Press, 564 p., illus., paper, \$3.50. Reprint (1951), covers the primitive medicine of ancient Egypt and Mesopotamia.

**RESEARCH CENTERS DIRECTORY**—Archie M. Palmer and Anthony T. Kruzas; foreword by Alan T. Waterman—Gale Research Co., 2nd ed., 666 p., \$35. A guide to some 3,000 university-sponsored and other nonprofit research organizations carrying on continuing research programs in the sciences, education, technology, government and humanities.


**THE SELECTED PAPERS OF E. S. PEARSON**: Issued by the Biometrika Trustees to Celebrate his 30 years as Editor—L.H.C. Tippett, Chmn.—Univ. of Calif. Press, 327 p., diagrams, \$6.75. Papers range from discussing the distribution of frequency constants in small samples from symmetrical populations, to the statistician's place in assessing the likely operational performance of army weapons.

**SIGMUND FREUD**—Francine Klagsbrun—Watts, F., 150 p., \$2.95. Juvenile biography with chronology and bibliography.

**A SIMPLE APPROACH TO ELECTRONIC COMPUTERS**—E. H. W. Hersee—Gordon & Breach, 2nd ed., 261 p., diagrams, \$7.50. Revised edition includes descriptions of computer storage systems and special applications of digital techniques.

**SOVIET AND RUSSIAN NEWSPAPERS AT THE HOOVER INSTITUTION: A Catalog**—Compiled by Karol Maichel—Hoover Institution, 235 p., \$6.50; paper \$5. Lists not only the complete holdings of the Hoover Institution library, but references to the holdings of the Columbia University and Library of Congress as well.

**SURTSEY: The New Island in the North Atlantic**—Sigurdur Thorarinnsson, transl. by Solvi Eysteinnsson—Viking Press, 48 p., 56 p. plates, maps, \$6. Records with spectacular color photographs the course of the volcanic eruption near Iceland, and gives geologist's eyewitness description of the submarine eruption and its development.



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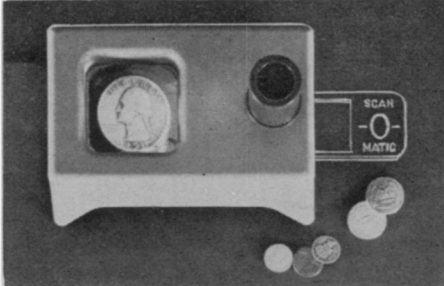
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