

# Books of the Week

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**ASTRONOMY WITH BINOCULARS**—James Muir—Van Nostrand, 146 p., illus., maps, \$5.75. Gives a general introduction to astronomy and describes the various fields of observation open to anyone possessing a good pair of binoculars.

**ATTITUDE CHANGE AND SOCIAL INFLUENCE**—Arthur R. Cohen, foreword by Leon Festinger and Phillip Zimbardo—Basic Bks., 156 p., \$2.95. Most of the research cited applies controlled experimentation in the field of persuasion, analyzing the effectiveness of arguments, and personality factors underlying the acceptance of influence.

**THE BASIS OF HUMAN EVOLUTION**—Bertam S. Kraus—Harper, 384 p., illus., by Virginia E. Brooks, \$6.50; paper, \$4.75. Stressing concepts rather than details, the book attempts to give the reader an understanding of the evolution of man, from man's place among the primates through the fossil evidence to the roles of nature and culture as selective forces in human evolution.

**BEYOND THE DICTIONARY IN ITALIAN: A Handbook of Colloquial Usage**—P.J.T. Glendening—Funk, 159 p., \$2.95. Contains special Italian-English and English-Italian vocabularies and deals with words and phrases likely to be needed in everyday conversation.

**THE BIOLOGY OF MIND**—W. R. Hess, transl. by Gerhardt von Bonin—Univ. of Chicago Press, 203 p., \$6. Swiss Nobel Prize winner's summation of his experimental results and concepts in the general area of psychophysiology, in a systematic presentation of the problems of brain mechanisms and behavior and the correlation between neuronal and psychic processes.

**BIRD MIGRATION**—Donald R. Griffin—Doubleday, 180 p., illus., paper, \$1.25. About the biology and physics of orientation behavior of birds, including the author's account of following migrating birds by airplane.

**THE BIRTH OF THE GODS: The Origin of Primitive Beliefs**—Guy E. Swanson—Univ. of Mich. Press, 260 p., tables, \$4.95; paper, \$1.95. Dis-

cusses such topics as the supernatural, reincarnation and the prevalence of witchcraft.

**CORRIDORS OF POWER**—C. P. Snow—Scribner, 403 p., \$5.95. A novel that gives insight into the political power game evolving around an issue of concern to politicians, civil servants, scientists and industrialists in modern Britain.

**DICTIONARY OF PLASTICS**—J. A. Wordingham and P. Reboul—Philosophical Lib., 211 p., diagrams, \$15. Concise guide to the majority of terms used in the plastics industry today, covering materials and processes from Abietates to Zinc Oxide, with useful appendix giving trade names, product and source.

**DICTIONARY OF POLITICAL SCIENCE**—Joseph Dunner, Ed.—Philosophical Lib., 585 p., \$10. Up-to-date reference work written by 195 political scientists, comprises terms and definitions used in political science, government and politics, includes concise biographies of former and contemporary statesmen and politicians of note.

**EDUCATION AND THE ATOM: An Evaluation of Government's Role in Science Education and Information, Especially as Applied to Nuclear Energy**—Glenn T. Seaborg and Daniel M. Wilkes—McGraw, 150 p., 140 photographs, \$18. An analysis of the special problems of education, training and information dissemination engendered by recent scientific developments, with description of AEC programs developed to cope with these problems.

**THE FIRST BOOK OF SKYSCRAPERS**—Creighton Peet—Watts, F., 63 p., photographs, \$2.65. Describes for young people the highly skilled techniques used in the construction of skyscrapers.

**THE FOSSIL EVIDENCE FOR HUMAN EVOLUTION: An Introduction to the Study of Paleanthropology**—W. E. LeGros Clark—Univ. of Chicago Press, 2nd rev. ed., 201 p., illus., \$6. A guide for establishing the taxonomy of new fossil finds, covers important new material discovered since 1955, including critical commentaries on the Olduvai Gorge finds.

**FREE POSTERS, CHARTS AND MAPS**—Patrick Carr—Sangamon Source Series, 27 p., paper, \$1. Among others, lists 73 sources of charts and posters in fields of science and technology.

**THE GLASSMAKERS**—Leonard Everett Fisher—Watts, F., 43 p., illus. by author, \$2.65. Handsome book for children, describing in word and picture the history and techniques of these colonial American craftsmen.

**GROWTH AND AGE: BSCS Pamphlet 16**—Lorus J. Milne and Margery Milne—AIBS (Health), 36 p., illus., paper, 60¢; 8 pamphlets per school year, \$4. Enrichment reading in the biological sciences, at high school level.

**HANDBOOK OF FOOD PREPARATION, 1964**—Anita DeVivo, Ed.—Am. Home Economics Assn., rev. ed., 71 p., paper, \$1. Up-to-date reference on foods and food preparation, offers conversion tables, food buying guides, preparation methods, timetables and chart of properties of food materials.

## TELLS HOW TO SELL YOUR INVENTION

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## Art of Argument

By Giles St. Aubyn



Here is a clear simply written basic guide to logical thinking, showing how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only how but also why people resist facing the truth.

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**HANDBOOK ON SUCCULENT PLANTS**—Henry Teuscher, Ed.—Brooklyn Botanic Garden, 69 p., photographs, paper, \$1 direct to publisher, Brooklyn, N.Y. 11225. About native American cacti, where to see and study succulents and how to grow hardy and tender varieties.

**METHODS OF FORENSIC SCIENCE, Vol. III**—A. S. Curry, Ed.—Interscience, 342 p., illus., \$13.50. Up-to-date descriptions of scientific methods in forensic medicine and crime investigation, this volume covers lead poisoning, neutron activation analysis, administration of a forensic science laboratory, forged banknotes and documents, and erasures.

**A MISSION IN ACTION: The Story of The Regional Hospital Plan of New York University**—Clarence E. de la Chapelle and Frode Jensen—N.Y. Univ. Press, 177 p., \$4. Monograph deals with a pilot program for cooperation between a major medical center and suburban or rural community hospitals in a regional effort toward the improvement of medical care.

**MOTIVATION AND EMOTION**—Edward J. Murray—Prentice-Hall, 118 p., illus., \$3.95; paper, \$1.50. Approach is pluralistic, the book attempts to integrate the laboratory, field and clinical studies, pointing out the theoretical significance of the newer discoveries.

**NEW FRONTIERS IN SCIENCE**—Eds. of Young People's Science Encyclopedia in cooperation with Science Center—Children's Press (Duell), 237 p., photographs, illus. in color, \$4.95. Supplement volume, gives an account of the most recent investigations in science, written by scientists in language interested boys and girls can understand.

**NUCLEAR POWER, U.S.A.**—Walter H. Zinn, Frank K. Pittman and John F. Hogerton—McGraw, 201 p., 187 photographs, \$18. Surveys U. S. progress in the development of peaceful uses of nuclear energy, with emphasis on the central-station electric power field, also outlines saline water conversion, marine propulsion, space reactors, and isotopic power.

**PARTIAL DIFFERENTIAL EQUATIONS: An Introduction**—Gunter Hellwig, transl. from German—Blaisdell Pub. Co., 263 p., \$9.50. Introductory text for graduate students, with major portion devoted to the problem of the initial value of hyperbolic systems, and the marginal value of elliptic differential equations.

**PROCEEDINGS OF WORLD FORUM ON SYPHILIS AND OTHER TREPONEMATOSES**—William J. Brown, Chmn.—PHS (GPO), 521 p., \$4. Papers concerned with the medical, administrative and social aspects of the continuing world-wide efforts to eradicate venereal disease.

**THE PSYCHOLOGY OF LEARNING AND TECHNIQUES OF TEACHING**—James M. Thyne—Philosophical Lib., 240 p., illus., \$7.50. Discusses the processes of learning and the various techniques of teaching, such as habit-forming and habit-breaking, explaining and recalling.

**RELIABILITY ENGINEERING FOR ELECTRONIC SYSTEMS**—Richard H. Myers, Kam L. Wong and Harold M. Gordy, Eds.—Wiley, 360 p., illus., \$12.50. Designed as a text and reference manual for electronic design and reliability engineers in terms of providing methods for solving everyday reliability problems.

**REPORT OF THE PRESIDENT'S COMMISSION ON THE ASSASSINATION OF PRESIDENT JOHN F. KENNEDY**—Earl Warren, Chmn.—GPO, 888 p., illus., \$3.25; paper, \$2.50. See stories on pages 227, 229 and 230.

**RESEARCH, U.S.A.: Knowledge for the Future**—Albert V. Crewe and Joseph J. Katz; foreword to series by Pres. Lyndon B. Johnson—McGraw, 217 p., photographs, diagrams, \$18; (entire series \$62.50). One of four volumes of the AEC's presentation for the Third (1964) Geneva Conference on Peaceful Uses of Atomic Energy. This volume gives an account of U.S. progress in basic research, covering such areas as new particles, neutrons, the new periodic table, ionizing radiations and matter, and fusion research.

**THE RESEARCH STATE: A History of Science in New Jersey**—John R. Pierce and Arthur G. Tressler—Van Nostrand, 165 p., illus., map, \$3.95. About New Jersey's research laboratories and the role they played in the state's industries.

**SCIENCE IN PROGRESS, Vol. 14**—Josef Brozek and others, Wallace R. Brode, Ed.—Yale Univ. Press, 286 p., illus., \$8.50. Lectures by eminent scientists in their fields on subjects as varied as magnetogasdynamics, the uniqueness of plants, and cooperation as a responsibility of scientists.

**THE SILVERSMITHS**—Leonard Everett Fisher—Watts, F., 46 p., illus. by author, \$2.65. Describes in word and picture the technique of colonial American silversmiths.

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