

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

**BIOLOGICAL ORDER**—André Lwoff—*M.I.T. Press*, 101 p., diagrams, \$4.50. Considers the problems of biological order in complete generality and as a whole; its structures, its regulating mechanisms, the control of biosynthesis both in normal and pathological molecules, and viral development.

**BIRDS AND THEIR ATTRIBUTES**—Glover Morill Allen—*Dover*, 338 p., illus., paper, \$1.85. Originally prepared as a series of lectures to serve as an introduction to a general survey of birds, their structure, habits and relations to ourselves.

**BLOOD VESSELS AND LYMPHATICS**—David I. Abramson, Ed.—*Academic Press*, 812 p., illus., \$26. Assembles current data on the embryology, anatomy, physiology, pharmacology, biochemistry, and pathology of arteries and arterioles, veins and venules and lymphatics, with promising but still unproven as well as orthodox viewpoints emphasized.

**CLATHRATE INCLUSION COMPOUNDS**—Martine Hagan—*Reinhold*, 189 p., diagrams, \$6.50. Contains the unusual and versatile properties which may result from clathration; the laboratory application that has been made of this process and its product, and molecular compounds, with particular attention given to those which exhibit inclusion properties.

**ELECTRONICS FOR EVERYONE**—Monroe Upton—*New Am. Lib.*, 2nd ed., 352 p., illus., paper, 75¢. Includes radio, transistors, television, radar, hi-fi, video tape, space electronics, what they are and how they work, as examples of electronic devices.

**THE FRENCH AND INDIAN WARS**—Francis Russell—*American Heritage Pub. Co. (Harper)*, 145 p., illus., \$3.95. Telling the story of this war from beginning to end, using color illustrations, for young people.

**FUNDAMENTALS OF INFRARED TECHNOLOGY**—Marvin R. Holter and others—*Macmillan*, 442 p., diagrams, \$12.50. A review of the fundamental physical relationships involved in the rapidly expanding applications of infrared instruments and methods to military and industrial problems.

**A GEOBOTANICAL SURVEY OF NORTHERN MANTOBA**—J. C. Richie—*Arctic Institute of North America*, 47 p., illus., maps, paper, \$2. Includes climate, landforms, vegetation, and methods of mapping the vegetation and landforms.

**INFORMATION HANDLING AND SCIENCE INFORMATION: A Selected Bibliography, 1957-1961**—Paul C. Janaske, Ed.—*A.I.B.S.*, paper, \$2. Emphasizes the mechanization of information storage and retrieval systems in the field of science.

**INTERNATIONAL REVIEW OF CYTOLOGY**—G. H. Bourne and J. F. Danielli, Eds.—*Academic Press*, 393 p., illus., \$15.00. Attempts to understand how the organism stores, "reads out", and transmits to its progeny the information required to assemble in the proper order the monomer units which make up the macromolecules of living matter.

**LOW TEMPERATURE PHYSICS**—L. C. Jackson—*Wiley*, 158 p., diagrams, \$3.50. Provides an introduction to this branch of physics for the senior undergraduate including production and measurement of low temperatures, liquid and solid helium, and electrical conductivity.

**THE MAINSTREAM OF PHYSICS**—Arthur Beiser—*Addison-Wesley*, 468 p., illus., \$9.75. Providing supplementary assistance covering the fundamentals.

**MAN: His First Million Years**—Ashley Montagu—*New Am. Lib.*, rev. ed., 221 p., illus., paper, 60¢. Presents scientific theories about the origin of modern man, his possible ancestry, and his relationship with the various "human types" whose fossil remains have been uncovered.

**MANAGEMENT OF ARTIFICIAL LAKES AND PONDS**—George W. Bennett—*Reinhold*, 283 p., illus., \$8. Presents the dynamics and management of warm-water fish populations in artificial lakes and ponds, including the most recent scientific advances and practical techniques.

**PRINCIPLES OF TRANSISTOR CIRCUITS**—S. W. Amos—*Rider, J. F.*, 2nd ed., 210 p., illus., paper, \$4.25. An introduction to the design of amplifiers, receivers, and other circuits, including the disappearance of the point-contact transistor and the adoption of the drift transistor for r.f. applications since the first edition was published.

**THE PRIZE**—Irving Wallace—*Simon and Schuster*, 765 p., \$5.95. A novel telling the behind-the-scenes story of the Nobel prize; how the Nobel juries secretly reach their decisions; how attempts are made to influence them; and how the winners' lives are changed for good or ill.

**REVIEWS IN ENGINEERING GEOLOGY, Vol. 1**—Thomas Fluhr and Robert F. Legget, Eds.—*Geological Society of America*, 286 p., illus., \$7. Applications of geology in the practice of engineering.

**SCIENCE, Vol. 1: Observation and Experiment, Vol. 2: Experiment and Discovery**—Ira C. Davis, John Burnett and E. Wayne Gross—*Holt*, 403 p., 438 p., illus., \$3.88, and \$4.04. Textbooks on the junior high school level, presenting basic scientific concepts, with emphasis on learning by seeing and doing.

**THE SCIENCE OF BOTANY**—Paul B. Weisz and Melvin S. Fuller—*McGraw-Hill*, 562 p., illus., photographs, \$8.95. For college botany courses, this text uses the analytical approach in searching for the underlying principles which unite all plants into a single living fabric.

**STATUS REPORT ON THERMOELECTRICITY**—J. W. Davison and Joseph Pasternak, with B. B. Rosenbaum—*U.S. Naval Research Lab. (OTS)*, 148 p., illus., paper, \$3. A report on recent developments, based on work done at the U.S. Naval Research Laboratory.

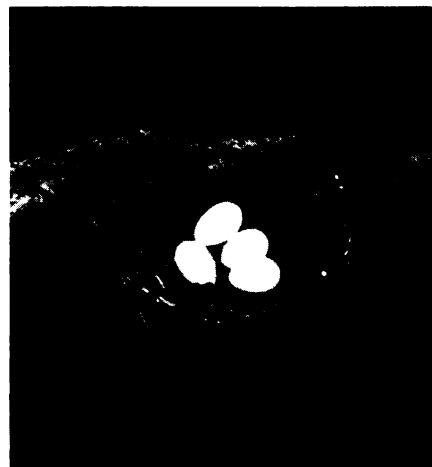
**THE UNIVERSE**—Otto Struve—*M.I.T. Press*, 159 p., illus., \$4.95. Reviews the present theoretical situation of current astronomy and summarizes for the layman the composite cosmos as conjectured in astronomy.

**THE WEBFOOT WARRIORS**—Herbert Best, foreword by Alfred G. Ward—*Day, J.*, 187 p., illus., \$3.95. The story, for young people, of UDT, the U.S. Navy's underwater demolition team.

**WELL SPACING IN THE ANETH RESERVOIR**—Frank W. Cole—*Univ. of Okla. Press*, 97 p., illus., \$6.95. Contains information presented at the Aneth hearing concerning an engineering analysis of the effect of well spacing on recovery efficiency, which may be useful to the oil industry and state regulatory bodies.

**WORLD'S FAIRS: Yesterday, Today, Tomorrow**—Roberta Fleming Roesch—*Day*, 96 p., illus., \$2.95. Traces a history of fairs, gives accounts of all the modern international fairs, including Seattle's and the forthcoming New York fair and uses illustrations to bring out the highlights of each, for young people.

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**SWIFT'S NEST**—*The bird uses its own saliva to glue together the sticks and fasten the nest to the chimney wall. The nest is the size of an adult's cupped hand. The eggs shown are about two-thirds their natural size.*

## News From Science Clubs

Successful activities reported by clubs affiliated with Science Clubs of America are:

**THE U 'N I 'N SCI CLUB** of St. Marys Catholic High School, St. Marys, Pa., has presented scientific career opportunities by using tours to local industries, lectures by representatives from various scientific fields, movies and filmstrips.

The most effective club programs of **THE EXPLORERS** at Beardsley School, Bridgeport, Conn., have been giving the students an opportunity to explore science outside of the curriculum on their own level and interest.

**THE SCIENCE CLUB** at New English School, Songir, India, has been active in project work and the preparation of models, charts and science apparatus for their school.

The members of the **SCIENCE CLUB** at Serra High School, San Mateo, Calif., report that astronomy, amateur radio and geology have been the main interests of their club.

**THE MOUNT SI MATHEMATICS CLUB** at Mount Si High School, Snoqualine, Wash., has built telescopes and an observatory. This club is cooperating with Explorer Scouts so that they may obtain Astronomy Merit Badges.

The members of the **MOUNTAIN SCIENCE CLUB** at Camp Creek High School, Greeneville, Tenn., made a study of local industries to determine future employment opportunities.

**THE SCIENCE CLUB** at Eden Junior High School, Eden, Texas, reports that their most successful activities were holding a science fair for the community and utilizing public points of interest for advancement of science interest.

Send reports on your science club activities to Science Clubs of America, 1719 N Street, N.W., Washington 6, D. C.

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