

NEW BOOKS ON SCIENCE

Science News Letter presents a comprehensive list of scientific books published or to be published between July 1 and December 31, 1938. All information is believed to be correct but is not guaranteed. Prices are listed where known. Prices marked * are tentative.

Aeronautics

- AIR NAVIGATION, 2nd ed.—P. V. H. Weems—*McGraw*.
 AIR PILOTING—V. Simmons—*Ronald*, \$3.
 AIRCRAFT OF THE WORLD—Eric Sargent—*Appleton*, \$3.
 AIRPLANE DESIGN MANUAL—Frederick Teichmann—*Pitman*, \$3.
 AIRPLANE SERVICING MANUAL—Victor W. Page—*Henley*, \$6.
 HIGH, WIDE AND FRIGHTENED—Louise Thaden—*Stackpole*, \$2.
 LISTEN! THE WIND—Anne Morrow Lindbergh—*Harcourt*, \$2.50.
 METAL AIRPLANE STRUCTURES—Flavius E. Loudy—*Henley*, \$5.
 NEW PICTURE BOOK OF FLYING—Frank Dobias—*Macmillan*, \$2.
 OUR COUNTRY FROM THE AIR—Edna E. Eisen—*Morrow*, \$2.
 THE STORY OF THE WINGED-S—Igor I. Sikorsky—*Dodd*, \$3.
 THROUGH THE OVERCAST—Assen Jordanoff—*Funk*, \$3.
 WINGS IN THE NIGHT—Willis S. Fitch—*Marshall Jones*, \$2.

Archaeology and Anthropology

- THE AGRICULTURAL AND HUNTING METHODS OF THE NAVAHO INDIANS—W. W. Hill—*Yale*, \$2.50.
 THE ANNUAL OF THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH, Vol. XVII for 1936-1937—Millar Burrows and E. A. Speiser, eds.—*Amer. Schools of Orient. Res., New Haven*, \$2.50.
 AN ARCHAEOLOGICAL SURVEY OF THE NORRIS BASIN IN EASTERN TENNESSEE—William S. Webb—*Govt. Print. Off.*, \$1.
 ARCHAEOLOGICAL WORK IN THE ACKMEN-LOWRY AREA, SOUTHWESTERN COLORADO, 1937—Paul S. Martin, *Field Mus.*, \$1.75.
 A BRIEF HISTORY OF NAVAJO SILVERSMITHING—Arthur Woodward—*Northern Ariz. Soc. of Science and Art*, \$1.85.
 CEREMONIAL COSTUMES OF THE PUEBLO INDIANS—Virginia More Roediger—*Augustin*, \$12.
 CHIRICAHUA AND MESCALERO APACHE TEXTS—Harry Hoijer, with Ethnological Notes by Morris Edward Opler—*U. Chicago*, \$3.
 CORPORAL WANZI—Frank Brownlee—*Augustin*, \$2.25.
 DAHOMEY: AN ANCIENT WEST AFRICAN KINGDOM—Melville J. Herskovits—*Augustin*, 2 vols., \$12.
 DURA-EUROPOS AND ITS ART—M. Rostovtzeff—*Oxford*, \$5*.
 EGYPTIAN ARCHITECTURE AS CULTURAL EXPRESSION—E. Baldwin Smith—*Appleton*, \$6.
 EXCAVATIONS AT OLYNTHUS. Part VIII: The Hellenic House—David M. Robinson and J. Walter Graham—*Johns Hopkins Press*, \$15.
 EXCAVATIONS AT TALL CHAGAR BAZAR AND AN ARCHAEOLOGICAL SURVEY OF THE HABUR REGION, 2nd Campaign, 1936—M. E. L. Mallowan, *Oxford*, \$4.25*.
 5000 YEARS AGO—Ralph V. D. Magoffin—*Hale*, \$2.75.

- GENERAL ANTHROPOLOGY—Franz Boas, ed.—*Heath*, \$4.
 HISTORICAL BACKGROUND OF THE BIBLE—J. N. Schofield—*Nelson*, \$2.50.
 HOPI KACHINAS—Earle and Kennard—*Augustin*, \$10.
 IMPERIAL BYZANTIUM—Bertha Diener—*Little, Brown*, \$3.50.
 THE INDIAN COSTUME BOOK—Julia M. Seton—*Seton Village Press*, \$3.50.
 KHORSABAD, Vol. 40, Pt. 2: The Citadel and the Town—Gordon Loud and Charles B. Altman—*U. Chicago*, \$30.
 LAST LECTURES—Roger Fry—*Macmillan*, \$6.
 LION AND JACKAL—Frank Brownlee—*Augustin*, \$1.50.
 MANDAN HIDASTA MYTHS AND CEREMONIES—Martha Warren Beckwith—*Augustin*, \$3.50.
 MASTABA OF MERERUKA, Vol. 31, Pt. 1, and Vol. 39, Pt. 2—Prentice Duell—*U. Chicago*, \$40 and \$50.
 MEGIDDO TOMBS, Vol. 33—P. L. O. Guy—*U. Chicago*, \$15.
 MOSAICS OF ANTIOCH—C. R. Morey—*Longmans*, \$4.
 NAVAJO MYTHS AND CEREMONIES OF THE BLESSING CHANT, WATER CHANT AND HAIL CHANT—Wheelright and Newcomb—*Augustin*, \$15.
 NEW DISCOVERIES RELATING TO THE ANTIQUITY OF MAN—Sir Arthur Keith—*Lippincott*, \$7.
 THE OJIBWAY WOMAN—Ruth Landes—*Augustin*, \$3.
 PAJARITO PLATEAU AND ITS ANCIENT PEOPLE—Edgar Lee Hewett—*U. N. Mex.*
 PERUVIAN PHARAOS—Miles Poindexter—*Christopher*, \$4.50.
 THE PEYOTE CULT—Weston La Barre—*Yale*, \$2.50.
 PLAINS INDIAN PAINTING—John C. Ewers—*Stanford*, \$4.50.
 THE ROMANCE OF HUMAN PROGRESS—Arthur Stanley Riggs—*Bobbs*, \$5.
 THE SHERBRO OF SIERRA LEONE: A Preliminary Study—H. U. Hall—*U. Penn.*, \$2.
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 THE SKY-RELIGION IN EGYPT—G. A. Wainwright—*Cambridge (Macmillan)*, \$2.50*.
 SNARES, DEADFALLS AND OTHER TRAPS OF THE NORTHERN ALGONQUIANS AND NORTHERN ATHAPASKANS—John M. Cooper—*Catholic U.*, \$2.
 SO LIVE THE WORKS OF MEN—Anniversary volume honoring Edgar Lee Hewett—*U. N. Mex.*, \$10.
 SON OF OLD MAN HAT—Walter Dyk—*Harcourt*, \$3.50.
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 TEMPLE OF KING SETHOS I AT ABYDOS—Alan H. Gardiner, ed.—*U. Chicago*.
 THEY WROTE ON CLAY—Edward Chiera, ed. by George G. Cameron—*U. Chicago*, \$3.
 UR EXCAVATIONS: Vol. V, The Ziggurat and Its Surroundings—Sir Leonard Woolley—*U. Penn.*, \$18.
 VIKINGS OF THE SUNRISE—Peter H. Buck—*Stokes*, \$3.50.

Astronomy

- COSMOLOGICAL THEORY—G. C. McVittie—*Chem. Pub.*, \$1.25.
 A HUNDRED YEARS OF ASTRONOMY—R. L. Waterfield—*Macmillan*, \$5.75.
 AN INTRODUCTION TO THE STUDY OF STELLAR STRUCTURE—S. Chandrasekhar—*U. Chicago*, \$10.
 STARCRAFT—William H. Barton, Jr., and Joseph Maron Joseph—*Whittlesey*, \$3.50.
 STELLAR DYNAMICS—W. M. Smart—*Cambridge (Macmillan)*, \$8*.
 THE STORY OF ASTRONOMY—Marian Lockwood and Arthur Draper—*Dial*, \$3.
 THE SUN, ITS PHENOMENA AND PHYSICAL FEATURES—Giorgio Abetti—*Van Nostrand*, \$5.
 SUNDIALS—How to Know, Use and Make Them—R. Newton and Margaret L. Mayall—*Hale*, \$2.

Biology

- ADVENTURES WITH LIVING THINGS, A GENERAL BIOLOGY—Elsbeth Kroeber and Walter H. Wolff—*Heath*, \$1.96.
 APPLIED MYCOLOGY AND BACTERIOLOGY—L. D. Galloway and R. Burgess—*Chem. Pub.*, \$4.
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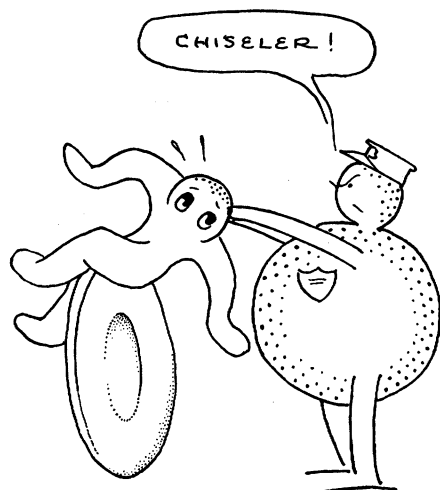
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- DARWIN—L. B. Pekin—*Stackpole*, \$1.25.
 EXPERIENCE UNITS IN BIOLOGY—J. Frank Faust and Geo. R. Biecher—*Stackpole*, \$1.60.
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 MATHEMATICAL BIOPHYSICS: PHYSICOMATHEMATICAL FOUNDATIONS OF BIOLOGY—Nicolas Rashcvsky—*U. Chicago*, \$4.
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 NOTES OF A NATURALIST—Clarence Hawkes—*Christopher*, \$1.25.
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 PLANT VIRUSES—K. M. Smith—*Chem. Pub.*, \$1.25.
 THE SEA AND ITS WONDERS—Cyril Hall—*Mill*, \$2.50.
 SOUTHERN NATURE STORIES, Book One—W. B. Baker, Lucien Harris, Jr., and Wallace Rogers—*Turner E. Smith*, 88c.
 A TEXTBOOK OF BACTERIOLOGY, 2d ed.—Thurman B. Rice—*Saunders*, \$5.
 TEXTBOOK OF MEDICAL BACTERIOLOGY—David L. Belding and Alice T. Marston—*Appleton*, \$5.
 THEORIES OF SENSATION—A. F. Rawdon-Smith—*Cambridge (Macmillan)*, \$2.50*.
 THIS IS LIVING—Donald Culross Peattie—*Dodd*, \$3.75.
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 DISEASES OF CEREAL AND FORAGE CROP PLANTS—Dickson—*Burgess*.
 FARM ORGANIZATION AND MANAGEMENT—G. W. Forster—*Prentice-Hall*, \$3.
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 FOUR SEASONS IN YOUR GARDEN, Rev.—John C. Wister—*Lippincott*, \$2.95.
 THE GARDEN DICTIONARY—Norman Taylor, ed.—*Houghton*, \$7.50.
 THE GARDENER'S LIBRARY: The Gardener's Almanac, by Edward I. Farrington; Herbs, How to Grow Them and How to Use Them, by Helen Noyes Webster; Rock Gardens and What to Grow in Them, by F. Cleveland Morgan; The Vegetable Garden, by Edward I. Farrington; The Lawn, How to Make It and How to Maintain It, by Charles W. Parker; Begonias and How to Grow Them, by Bessie Buxom—*Hale*, \$1 ea.
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 PORTFOLIO ON THE NATIONAL PARK AND MONUMENT SYSTEM. 4 booklets: 1. What are the National Parks? 2. Conservation of Nature. 3. Preservation of History. 4. Facilities and Service—*American Planning and Civic Association, Washington*, 75c for 4.
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 SAGAS OF THE EVERGREENS—Frank H. Lamb—*Norton*, \$3.50.
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 SIXTY YEARS OF BOTANY IN BRITAIN (1875-1935)—Frederick Orpen Bower—*Macmillan*, \$3.75.
 SOILS AND MEN: Yearbook of Agriculture, 1938—U. S. Dept. Agriculture—*Govt. Print. Off.*, \$1.75.
 SOME EDIBLE MUSHROOMS—Nina Lane Faubion—*Morrow (Binfords & Mort)*, \$1.35.
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 TREE GROWTH—Daniel T. MacDougal—*Chronica Botanica Co., Leiden, and Stechert*, 7 guilders or \$4*.
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 THE CHEMISTRY OF THE AMINO ACIDS AND PROTEINS—Ed. by Carl L. A. Schmidt, with 16 contributors—*Thomas*, \$7.50.
 CHEMISTRY OF THE PROTEINS, 2nd ed.—Dorothy J. Lloyd and Agnes Shore—*Blakiston's*, \$5.50.
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- METROPOLIS: A Study of Urban Communities—Howard Brown Woolston—*Appleton*, \$2.75.
- MIGRATION AND ENVIRONMENT—H. L. Shapiro—*Oxford*, \$5*.
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- MODERN SOCIAL PROBLEMS—Wemett—*Burgess*.
- NATURAL HISTORY OF POPULATION—Raymond Pearl—*Oxford*, \$4*.

- NEEDED POPULATION RESEARCH—P. K. Whelpton—*Science Press*.
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- POLITICAL ARITHMETIC, A Symposium of Population Studies—Lancelot Hogben, ed.—*Macmillan*, \$9.
- PRELIMINARY INVESTIGATION INTO MEASURES OF A NATIONAL OR INTERNATIONAL CHARACTER FOR RAISING THE STANDARD OF LIVING—N. F. Hall—*Columbia U. International Documents Service*, 50c.
- PRINCIPLES OF ECONOMICS—C. W. Hasek—*Prentice-Hall*, \$3.50.
- THE PROBLEMS OF A CHANGING POPULATION—National Resources Committee—*Govt. Print. Off.*, 75c.
- PURCHASING POWER—Ralph West Robey—*Prentice-Hall*, \$2.50.
- RESEARCH MEMORANDUM ON MIGRATION DIFFERENTIALS—Dorothy Swaine Thomas—*Soc. Sci. Res. Coun.*, \$2.
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Science News Letter, October 22, 1938

ASTRONOMY

Martian Seasons

● "There is now practically no doubt that the pole caps of Mars are composed of snow. The regularity with which they dwindle in size during the summer and grow large again in winter makes it certain that they consist of some substance which vaporizes when the temperature rises and is precipitated again when it falls."—R. L. Waterfield in *A HUNDRED YEARS OF ASTRONOMY (Macmillan)*.

Science News Letter, October 22, 1938

ZOOLOGY

Flower Hunters

● "Every afternoon at about four o'clock, during the period when the trees are blooming, a band of five marmosets appears in my balsas and makes the round of the scores of open blossoms

"They are a strikingly marked little people with snowy white underparts, a pointed white crown-patch, chestnut nape, grizzled back and long, black, woolly tail. Their hard little hairless faces of dark blue, tightly drawn skin framed in white, suggest the shrunken, mummied heads prepared by the Jibaro Indians of southeastern Ecuador They have not the interest in me that howlers and capuchins show. The balsas flowers alone concern them. . . . When what they want is there, they hold the

ORS SAY:

flower in both hands and sink their heads in its open top. Often they pull the petals apart in order that they may more readily get what they seek. Possibly, like the bees that crowd to the flowers, they are gathering its juices, possibly they are gathering bees."—Frank M. Chapman, in *LIFE IN AN AIR CASTLE* (*Appleton-Century*).

Science News Letter, October 22, 1938

AGRICULTURE

Soil Loss

● "In its natural state the soil is adequately protected against the destructive effects of wind and running water by the vegetable cover—grass and trees—but when this is stripped off in order to cultivate the soil, every puff of wind carries off some of the fine topsoil when it is dry, and every rain washes some of it away, especially on steep slopes . . .

"Three billions tons of soil a year are being washed into the ocean and this is only a part of the total soil removed. Much more is transported and dropped over rich soils, which are thereby often damaged. Much of the sediment is deposited in reservoirs, irrigation ditches, and harbors, which are thereby silted up. The irrigation systems of the West may soon become useless because of this filling up of the storage basins."—Gustav L. Fletcher in *EARTH SCIENCE* (*Heath*).

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PHYSIOLOGY

Genesis

● "Out of the unknown into the image of Man—this is the miraculous change which occurs during the first month of human life. We grow from an egg so small as to be barely visible (0.13 mm.) to a young human embryo almost one-fourth of an inch (6 mm.) long, increasing fifty times in size and eight thousand times in weight. We change from a small round egg cell into a creature with a head, a body and, it must be admitted, a tail; with a heart that beats and blood that circulates; with the beginnings of arms and legs, eyes and ears, stomach and brain."—Margaret Shea Gilbert in *BIOGRAPHY OF THE UNBORN* (*Williams and Wilkins*).

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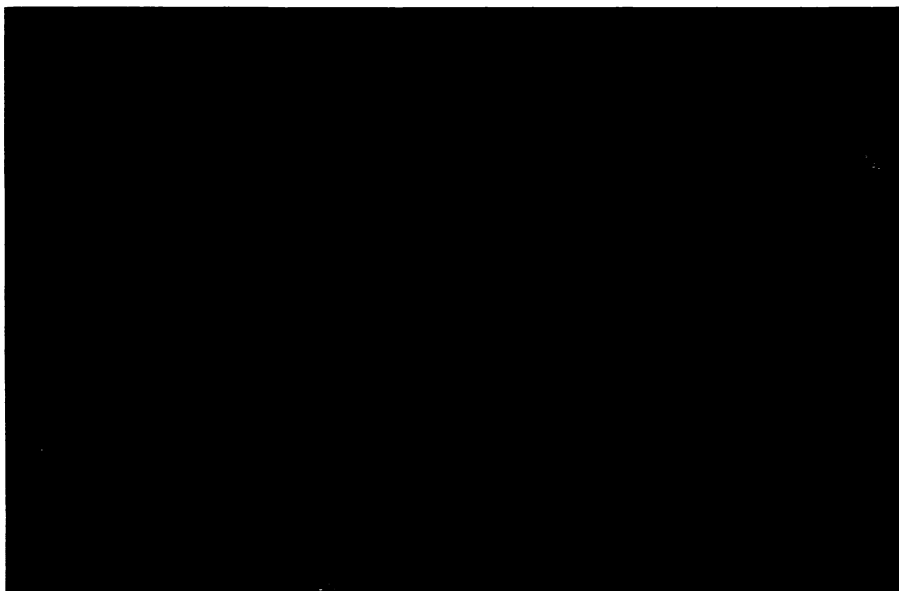
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