

NEW BOOKS ON SCIENCE

Science News Letter presents a comprehensive list of scientific books published or to be published between January 1 and June 30, 1938. All information is believed to be correct but is not guaranteed. Prices are listed where known. Prices marked * are tentative.

Aeronautics

- AIR TRANSPORTATION—A. E. Blomquist—*Pitman*.
- AIRPLANE SERVICING MANUAL—Victor W. Page Henley, \$6.
- AIRPLANE STRUCTURES, 2d ed., 2 vols.—Alfred S. Niles and Joseph S. Newell—*Wiley*, \$5 each vol.
- AMERICAN WINGS: Modern Aviation for Everyone—Captain Burr Leyson—*Dutton*, \$2.
- BEYOND HORIZONS—Lincoln Ellsworth—*Double-day*, \$3.50.
- FIGHTING PLANES OF THE WORLD—Eric Sargent, ed by E. C. Talbot-Booth—*Appleton*, \$3.
- HISTORY OF AERONAUTICS: A SELECTED LIST OF REFERENCES—William B. Gamble—*N. Y. Pub. Lib.*, \$2.
- METAL AIRPLANE STRUCTURES—Flavius Earl Loudy—*Henley*.
- OVER THE NORTH POLE—George Baidukov, tr. by Jessica Smith—*Harcourt*, \$1.50.
- THROUGH THE OVERCAST—Assen Jordanoff—*Funk*, \$3.
- WHAT ABOUT THE AIRSHIP?—C. E. Rosendahl—*Scribner*, \$3.

Archaeology and Anthropology

- ACCULTURATION, A STUDY OF CULTURE CONTACT—Melville J. Herskovits—*Augustin*, \$2.
- THE ALPHABET—Morro S. Orr—*Collins*, \$2.
- THE AMERICAN INDIAN, 3rd ed.—Clark Wissler—*Oxford U.*, \$3.75.
- ANTHROPOLOGY—Franz Boas and others—*Heath*.
- THE APACHE INDIANS—Frank C. Lockwood—*Macmillan*, \$3.50.
- THE CHINESE PEOPLE—Geo. H. Danton—*Marshall Jones*, \$3.50.
- THE CITIES OF THE EASTERN ROMAN PROVINCES—A. H. M. Jones—*Oxford U.*, \$10.
- THE CONQUEST OF CULTURE—M. D. C. Crawford—*Greenberg*, \$3.50.
- CORNISH CROSSSES, 2nd ed.—F. F. G. and H. Dexter—*Longmans*, \$8.
- DAHOMY; AN ANCIENT KINGDOM OF FRENCH WEST AFRICA, 2 Vols.—Melville J. Herskovits—*Augustin*, \$12.
- DURA—M. Rostovtzeff—*Oxford U.*, \$7.*
- EARLY EMPIRES OF CENTRAL ASIA—William M. McGovern—*U. N. Car.*, \$4.
- ECONOMIC SURVEY OF ANCIENT ROME: v.4; Eastern Provinces—T. R. S. Broughton and others—*Johns Hopkins*.
- THE EGYPTIAN COFFIN TEXTS. II. TEXTS OF SPELLS 76-163, (1938)—Adriaan de Buck—*U. Chicago*, \$8.
- ENVIRONMENT, RACE AND MIGRATION—Griffith Taylor—*U. Chic.*, \$4.*
- THE FAMILY: PAST AND PRESENT—B. F. Stern—*Appleton*, \$2.75.
- FIRST PENTHOUSE DWELLERS OF AMERICA—Ruth M. Underhill—*Augustin*, \$2.75.
- 5000 YEARS AGO—Ralph V. D. Magoffin—*Hale*, \$2.75.
- FOLK-SONGS FROM THE SOUTHERN HIGHLANDS—Mellinger E. Henry—*Augustin*, \$5.50.
- GILGAMESH AND THE HULUPPU-TREE: A RECONSTRUCTED SUMERIAN TEXT—S. N. Kramer—*U. Chicago*, \$1.50.

- GREAT INDIAN CHIEFS—Albert Britt—*Whittlesey*, \$2.75.*
- THE HAVERFORD SYMPOSIUM ON ARCHAEOLOGY AND THE BIBLE—W. F. Albright, G. A. Barton and others; Elihu Grant, ed.—*Amer. Schools of Oriental Res.*, \$2.
- HEAR ME, MY CHIEFS—Herbert Ravenel Sass—*Morrow*, \$2.50.
- THE HIGH PRIEST'S GRAVE, CHICHEN ITZA—E. H. Thompson—*Field Mus.*
- HISTORY OF THE JEWS (Ethiopic text)—Murad Kamil, ed.—*Augustin*, \$15.
- HOW SOME IMPORTANT NORTHERN ARIZONA POTTERY TYPES WERE DATED—J. C. McGregor—*Museum of Northern Arizona*, 50c.
- I AM A MAN—THE INDIAN BLACK HAWK—Cyrenus Cole—*Iowa State Historical Soc.*, \$3.
- INTERNATIONAL DIRECTORY OF ANTHROPOLOGISTS—*National Research Council*, \$1.
- INTRODUCTION TO PHYSICAL ANTHROPOLOGY, 2nd ed.—E. B. Stibbe—*Longmans*, \$3.25*
- JOURNEY TO MANAOS—Earl P. Hanson—*Reynal*, \$3.
- KHORSABAD: Pt. 2—Gordon Loud and Charles B. Altman—*U. Chic.*
- THE LACHISH LETTERS, I.—H. Torczyner and others—*Oxford U.*, \$10.*
- MAN, SLAVE AND MASTER—Mark Graubard—*Covici*.
- THE MANDAEANS OF IRAQ AND IRAN — E. S. Drower—*Oxford U.*, \$10.
- THE MARIA GONDS OF BASTAR—W. V. Grigson—*Oxford U.*, \$12.*
- THE MASTABA OF MERERUKA. By the Sakkarah Expedition, 1937—Prentice Duell—*U. Chicago*, Pt. 1, \$40; Pt. 2, \$50.
- THE MIND OF PRIMITIVE MAN, Rev. ed.—Franz Boas—*Macmillan*, \$2.75.
- MOUNDS IN THE PLAIN OF ANTIOCH: AN ARCHAEOLOGICAL SURVEY, 1937—Robert J. Braidwood—*U. Chicago*, \$5.
- THE NEGRITOS OF MALAYA—Evans—*Cambridge (Macmillan)*, \$7.
- NEVER TO DIE: THE EGYPTIANS, IN THEIR OWN WORDS—Josephine Mayer and Tom Prideaux, eds.—*Viking*, \$3.50.
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- THE ORIGIN LEGEND OF THE NAVAHO ENEMY WAY—Father Berard Haile—*Yale*, \$3.50.
- PERUVIAN PHARAOS—Miles Poindexter—*Christopher*, \$4.50.*
- PRELIMINARY REPORT OF THE SMITHSONIAN INSTITUTION—HARVARD UNIV. ARCHAEOLOGICAL EXPEDITION TO NORTHWESTERN HONDURAS, 1936—Wm. D. Strong, Alfred Kidder II and A. J. D. Paul Jr.—*Smithsonian*, 80 c.
- PROSYMNA — Blegen — *Cambridge (Macmillan)*, \$45.
- RACE ATTITUDES IN SOUTH AFRICA—I. D. McCrone, *Oxford U.*, \$4.25.
- A REPORT OF THE SUSQUEHANNA RIVER EXPEDITION SPONSORED IN 1916 BY THE MUSEUM OF THE AMERICAN INDIAN, HEYE FOUNDATION—Warren King Moorhead, Comp.—*Andover Press*.
- RESEARCHES IN ANATOLIA. VII-IX. THE ALISHAR

- HUYUK, SEASONS OF 1930-32, Pt. III. H. H. von der Osten—*U. Chicago*, \$25.
- SACRIFICES IN ANCIENT ISRAEL—W. O. E. Oesterley—*Macmillan*, \$4.
- SAVAGE SYMPHONY—Eva Lips—*Random*.
- SEQUOYAH—Grant Foreman—*Univ. Oklahoma*, \$1.50.
- SERIES OF AMERICAN PLANT MIGRATIONS, No. 1—Berthold Laufer—*Field Mus.*
- SINGING FOR POWER; SONG MAGIC OF THE PAPA-GO INDIANS—Ruth M. Underhill—*U. Calif.*, \$2.
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- SOURCE BOOK FOR AFRICAN ANTHROPOLOGY, 2 Vols.—W. D. Hambly—*Field Mus.*, \$6 ea.
- THE STONE AGE OF MOUNT CARMEL, Vol. I—D. A. E. Garrod and D. M. A. Bate—*Oxford U.*, \$16.
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 AN ECOLOGICAL GLOSSARY—J. Richard Carpenter, comp.—*U. Okla.*, \$4.
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 FERNS OF THE SOUTHEASTERN STATES—John K. Small—*Science Press*.
 A FIELD KEY TO THE MORE COMMON NON-WOODY VASCULAR PLANTS OF CENTRAL AND NORTHERN MINNESOTA—Moyle—*Burgess*, \$1.
 FIFTH AVENUE TO FARM, A Biological Approach to the Problem of the Survival of our Civilization—Frank Fritts and Ralph W. Gwinn—*Harper*, \$3.
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 GARDENS AND GARDENING. 1938—F. A. Mercer, ed.—*Studio*, Paper \$3.50. cloth \$4.50.
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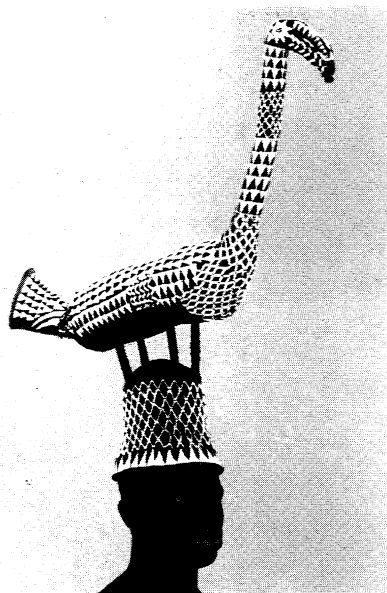
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ASTRONOMY

Killing Showers

● "Showers of meteorites—that is, a real bombardment of celestial origin—although not frequent are not uncommon . . . The most destructive fall of recent times occurred on 30 June 1908 in, fortunately, an almost uninhabited region of Siberia between the Yenissei and Lena rivers and about 700 miles north of Lake Baikal . . . The furious blast accompanying the meteoric fall had felled every tree within an area of several hundred square miles; the bark was torn off the trees and the trunks were scorched by the terrific heat; all human and animal life must have perished instantaneously. Within the zone of destruction a score or two of craters were found, the largest about 50 yards in diameter, produced by the impact of the meteorites, or the fragments of a single large one."—W. M. Smart in *ASTRONOMY* (Oxford Univ. Press).

Science News Letter, April 16, 1938

ETHNOLOGY

Bad Man

● "The Apache was the original 'bad man' of the Southwest. The Pueblo Indian was his victim long before the coming of the white man. Not until after the Pueblo Indians came under the sway of the Spanish—and, in consequence, under their protection—did warfare against the white invaders become the order of the day. From the first, the Apaches have been the most hardy, warlike, mobile tribe known to history. They 'wandered everywhere and dwelt nowhere'. Marauding and murdering, they were constantly on the move—the most disconcerting and harassing of enemies. So cunning were they in ambush and so stealthy in attack that a handful of them could keep a community in terror or an army in disorder."—Frank C. Lockwood in *THE APACHE INDIANS* (Macmillan).

Science News Letter, April 16, 1938

ORNITHOLOGY

Industry

● "He rises at the earliest dawn, and devotes the whole of the day, in intense industry, to his favourite pursuit. The specimens from which he makes his drawings are all from nature; carefully noting the colors of the eye, bill, and legs; measuring, with great accuracy, every part of the bird. When differences exist, either in the sexes or young, several figures are given on the same plate; sparing no labour in retouching old drawings or in making new ones, in all cases where he conceives there may be a possibility of making an improve-

THE AUTH

ment. In this way, he has already succeeded in figuring nearly the whole of the birds necessary to complete his splendid and important work."—John Bachman in *AUDUBON THE NATURALIST*, by Francis Hobart Herrick (*Appleton-Century*).

Science News Letter, April 16, 1938

MEDICINE

Ladies of Medicine

● "The women of the 'Knights of the Round Table' were always ready to tear up their petticoats or flowing sleeves to make a bandage for a bleeding wound. Sir Launcelot 'made fayre Elayne to gadre herbes for hym to make a bayne'.

"Atula cures Horn's wounds; the squire's beautiful daughter cared for the injured Gawain; the daughter of Guyon-le-Gris, Merote, gave to Gérard many kinds of treatment in order to cure him; the 'ladies of Salerno' healed Estien de Valprés; and the damsels in the Tristan stories applied plasters of egg-white and fennel and salt and plantain leaves to an infected wound. The women of these stories gave their patients mandrake for pain (compare the Parzifal episodes); and with this for a narcotic they even enucleated cataracts from the eyes. Isolde is mentioned sixteen times in the English versions of the Tristan legends as having both medical and surgical skill."—Kate Campbell Hurd-Mead in *A HISTORY OF WOMEN IN MEDICINE* (Hadam).

Science News Letter, April 16, 1938

PHYSICS

Light Energy

● "It is really astonishing that the enormous energy of the sun, which our earth receives daily is not used technically, or stated more exactly, is not transformed into other forms of energy. But it is still more astonishing that we have not changed the light, whose electromagnetic character we have known for decades and whose field strength amounts to several volts per centimeter, into useful electric energy and converted the displacement currents of the light into electrical conduction currents."—Bruno Lange in *PHOTOELEMENTS AND THEIR APPLICATION*, translated by Ancel St. John (*Reinhold*).

Science News Letter, April 16, 1938

ORS SAY:

ZOOLOGY

Noblest

● "The wild bull—that is, the one who has never been herded up, rounded in, lassoed or branded—is, I think, the noblest game in America, with possibly the single exception of the large, or California, grizzly. He knows no fear, and shrinks from no enemy, having been accustomed all his life to fighting his rivals and other formidable wild animals, and when surrounded by his family is always spoiling for a fight. He will come a mile for his enemy, and will as lief charge a hundred men as one. To kill him in the manner described, involves no special skill or difficult pursuit, but it requires the highest quality of a virtue not too common even among brave men—cool, dauntless presence of mind."—Isaac J. Wistar in *AUTOBIOGRAPHY OF ISAAC JONES WISTAR 1827-1905* (*Wistar Institute*).

Science News Letter, April 16, 1938

ESTHETICS

Beauty

● "It should be well understood that one cannot improve on Nature. The nearer it can be copied the better. But not all Nature is beautiful, and one must select that which appeals. So it is sometimes necessary to simplify a scene by omitting unseemly details, and possibly to rearrange parts in order to produce a man-made composition. Otherwise the nearer one can copy what is before him the better will be his picture."—John L. Ridgway in *SCIENTIFIC ILLUSTRATIONS* (*Standard Univ. Press*).

Science News Letter, April 16, 1938

AVIATION—INVENTION

Voice From Above

● "Perhaps one of the most novel and effective means of protecting life ever devised is now in use by the Coast Guard planes. Last year the quiet Virginia coast was startled to hear a tremendous voice pouring out of the skies! 'This is the United States Coast Guard testing a new invention' thundered the voice. The people looked aloft and saw an amphibian flying high overhead. From it came the mighty roaring voice! 'Testing a new invention'.

"It was a huge loudspeaker broad-

casting from the skies. This same device, flown high over the coastal waters, warns small boats of approaching storm. Likewise, the Coast Guard planes soar over the Florida keys and coast to warn of hurricanes. Hundreds of lives have been saved in this manner.—Burr Leyson in *AMERICAN WINGS* (*Dutton*).

Science News Letter, April 16, 1938

PHYSICS

Hidden

● "In our endeavor to understand reality we are somewhat like a man trying to understand the mechanism of a closed watch. He sees the face and the moving hands, even hears it ticking, but he has no way of opening the case. If he is ingenious he may form some picture of a mechanism which could be responsible for all the things he observes, but he may never be quite sure his picture is the only one which could explain his observations. He will never be able to compare his picture with the real mechanism and he cannot even imagine the possibility or the meaning of such a comparison."—Albert Einstein and Leopold Infeld in *THE EVOLUTION OF PHYSICS* (*Simon and Schuster*).

Science News Letter, April 16, 1938

GEOGRAPHY

Influence

● "If we should attempt a sketch of the history of civilization, we should immediately find that, although the climatic phase is much more important than is usually recognized, it is only one among many. The path of progress has been influenced not only by the air that man breathes, but by the soil beneath his feet, the waters that ebb and flow, the mountains that block his path, the minerals that lie in their depths, and the swarming plants and animals of the land, the air, and the water. This would by no means end the matter, for we should have to face the question of the innate qualities of different groups of people."—Ellsworth Huntington in *SEA-SON OF BIRTH* (*Wiley*).

Science News Letter, April 16, 1938

PHYSICS

Impact

● "At the high speed of 60 miles per hour, the impact is *nine times as great* as it is at 20 miles per hour. The force with which we hit a fixed object is increased as the *square of the speed* of the moving car. One might as well drive his car off a roof 120 feet high, or from the top of a nine-story building, as to hit something when driving at 60 miles per hour."—Charles E. Dull in *SAFETY FIRST—AND LAST* (*Holt*).

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Science News Letter, April 16, 1938

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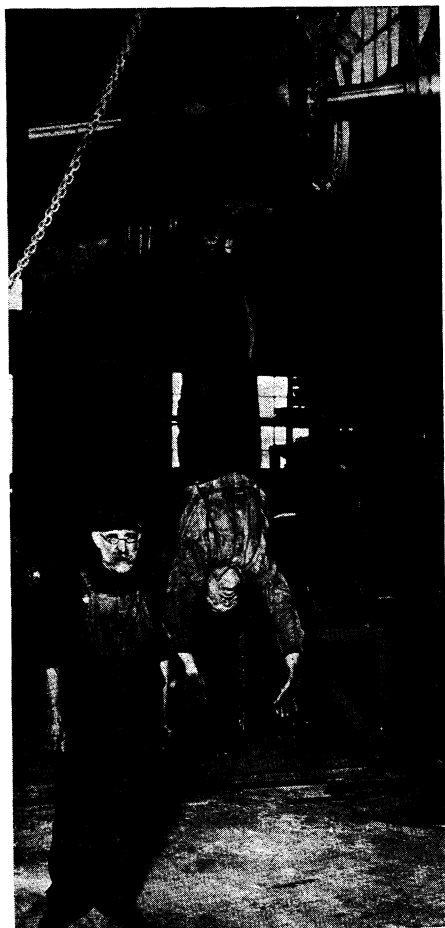
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