

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, 1935. All information is believed to be correct but is not guaranteed. Prices are listed where known. Prices marked * are tentative. This list is recommended as a handy reference in the purchasing of books on science.

Science News Letter will secure for its subscribers any book or magazine in print which was published in the United States. Send check or money order to cover regular retail price (\$5 if price is unknown, change to be remitted) and we will pay postage in the U. S. Address Book Dept., Science News Letter, 2101 Constitution Ave., Washington, D. C.

The book list this time contains over 600 titles, about 70 per cent. more than last fall, representing the increased interest in science publication.

Anthropology, Archaeology

- ABORIGINAL POPULATION OF NORTHWESTERN MEXICO—Carl Sauer—*U. of Calif.*, 35c.
- THE ALASKA NATIVES: A Survey of Their Sociological and Educational Status—H. D. Anderson and W. C. Eells—*Stanford*, \$5.
- THE ANTHROPOLOGIST AND THE ADMINISTRATOR—G. G. Brown and A. M. Bruce Hutt—*Oxford*.
- ANTIQUITIES OF THE NEW ENGLAND INDIANS, with notes on the Ancient Cultures of the Adjacent Territory—C. C. Willoughby—*Peabody Museum*, \$4.50.
- ARCHAEOLOGICAL RESEARCHES AT TEOTIHUACAN, MEXICO—S. Linné—*Oxford*, \$10.*
- THE BARAMA RIVER CARIBS OF BRITISH GUIANA—J. P. Gillin—*Peabody Museum*, \$3.50.
- THE CHINOOK; A History and Dictionary—E. H. Thomas—*Metropolitan*, \$2.
- THE COMING OF MAN—G. G. MacCurdy—*University Society*, paper 65c, cloth \$1.
- CONQUEST OF THE MAYA—J. L. Mitchell—*Dutton*, \$3.75.
- CREATION AND EVOLUTION IN PRIMITIVE COSMOLOGIES—Sir James George Frazer—*Macmillan*, \$3.
- EINFUEHRUNG IN DIE PHILOSOPHISCHE ANTHROPOLOGIE—P. Landsberg—*Westermann*, \$3.52.
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- THE GEOGRAPHIC PATTERN OF MANKIND—J. E. Pomfret—*Appleton*, \$4.
- HANDBOOK OF PALESTINE AND TRANS-JORDAN (rev.)—Harry Luke and Edward Keith-Roach—*Macmillan*, \$5.75.
- HEREDITY AND THE ASCENT OF MAN—C. C. Hurst—*Cambridge*.
- HOPi JOURNAL—Elsie Clews Parsons—*Columbia*.
- AN INTRODUCTION TO THE ANTHROPOLOGY OF THE NEAR EAST IN ANCIENT AND RECENT TIMES—C. U. Ariens Kappers and Leland W. Parr—*Van Riemsdyck*, \$9.00.
- THE MAGDALENIAN SKELETON FROM CAPBLANC IN THE FIELD MUSEUM OF NATURAL HISTORY—Gerhardt von Bonin—*U. of Illinois*, \$1.50.*
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- MATERIAL REMAINS OF THE MEGIDDO CULT—H. G. May and R. M. Engberg—*U. of Chicago*, \$6.
- OLD TESTAMENT IN THE LIGHT OF ANTHROPOLOGY—E. O. James—*Macmillan*, \$1.75.
- PREHISTORIC SURVEY OF EGYPT AND WESTERN ASIA, III. Paleolithic man and the Nile Valley in Nubia and Upper Egypt—K. S. Sanford and W. J. Arkell—*U. of Chicago*, \$7.
- PRIMITIVES AND THE SUPERNATURAL—Lucien Levy-Bruhl—*Dutton*.
- PROGRESS OF ARCHAEOLOGY—Stanley Casson—*Whittlesey*, \$2.
- RACE AND CULTURE CONTACTS—E. B. Reuter, ed.—*McGraw-Hill*, \$3.
- RACE RELATIONS—Weatherford and Johnson—*Heath*, \$3.20.
- THE RACES OF MAN—R. B. Bean—*University Society*, paper 65c, cloth \$1.
- RESEARCHES IN ANATOLIA, VI: Inscriptions from Alishar and Vicinity—I. J. Gelb—*U. of Chicago*, \$6.
- SENNACHERIB'S AQUEDUCT AT JERWAN—Thorkild Jacobsen and Seton Lloyd—*U. of Chicago*, \$5.
- THE STONE AGE RACES OF KENYA—L. S. B. Leakey and others—*Oxford*, \$12.75.
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- SUMATRA: ITS HISTORY AND PEOPLE—Edwin M. Loeb—THE ARCHAEOLOGY AND ART OF SUMATRA—Robert Heine-Geldern—*Van Riemsdyck*, \$6. in one volume.
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- ASTRONOMICAL GEOGRAPHY SERIES: Blank Celestial Globe with graduated support—*Geographical Press*, \$1.
- ASTRONOMICAL GEOGRAPHY SERIES: Blank Sky Map with sheets locating stars, sun, moon and planets, 15c; Planet Plotting Chart, 15c; Sun Altitude Indicator, 25c; Equation of Time (paper slide rule), 10c. Set 50c.—*Geographical Press*.
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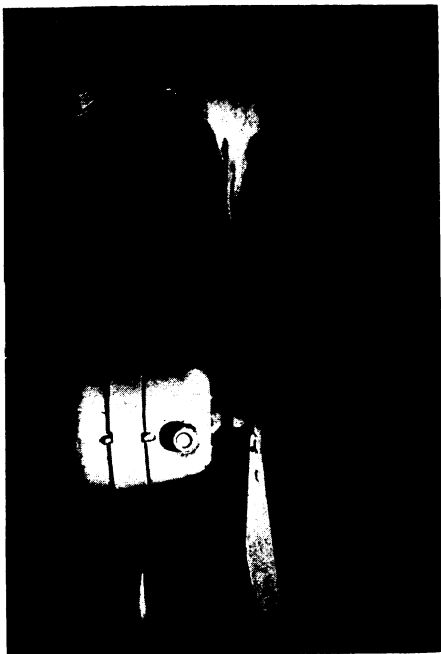
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ANNUAL REVIEW OF BIOCHEMISTRY, Vol. IV, 1935—J. Murray Luck—*Author*, Stanford University, Calif.
ANNUAL SURVEY OF AMERICAN CHEMISTRY, Vol. IX—C. J. West—*Reinhold*.
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Life as Struggle

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"It is, however, only in this struggle that life can manifest itself as life. Life becomes meaningless if we regard it as other than a struggle against uncoordinated chaos; and the more clearly we realize how our universe appears apart from life, the more clearly does life appear to us. To take an instance, the more clearly we realize what is implied in the physically interpreted processes of diffusion, filtration, osmosis, and chemical affinity, the more clear does the coordination which is present in living metabolic activity become. Or, to take another instance, the more clearly we realize the physical interpretation of light, the more clearly can we appreciate the existence of physiological-coordination in our experience of brightness and colour."

—J. S. Haldane in *THE PHILOSOPHY OF A BIOLOGIST* (Oxford).

Science News Letter, April 20, 1935

GENERAL SCIENCE

A Living Creature

● "I do not regard the phenomenon of life (in so far as it can be separated from the phenomenon of consciousness) as necessarily outside the scope of physics and chemistry. Arguments that because a living creature is an organism it ipso facto possesses something which can never be understood in terms of physical science do not impress me. I think it is insufficiently recognised that modern theoretical physics is very much concerned with the study of organisation; and from organisation to organism does not seem an impossible stride. But equally it would be foolish to deny the magnitude of the gulf between our understanding of the most complex form of inorganic matter and the simplest form of life."—Sir Arthur Eddington in *NEW PATHWAYS IN SCIENCE* (Macmillan).

Science News Letter, April 20, 1935

GENETICS

Genetics and Civilization

● "At the present time two events are occurring side by side which are of vital significance to the future welfare of the human family. The desirable, normal, and gifted population is restricting the size of its families to the extent where they are hardly replacing themselves. In fact, many competent observers have pointed out that this branch of

THE AUTH

civilized society is actually decreasing instead of increasing in numbers. At the same time there is a rapid increase in numbers among those individuals who are abnormal or subnormal in many of the attributes which make for the best interests of humanity. As a general rule, persons belonging to these last-named groups, take their social and family responsibilities rather lightly, placing no limitations on the size of their families, with the result that the number of children in each class is rather large. Competent observers have pointed out that this undesirable class, as a whole, is increasing so rapidly that it is outnumbering and overshadowing the desirable group in our population. Needless to state, civilization is face to face with a serious problem and unless something is done to check and change the situation there is danger that our best stocks will be swallowed up by those with mediocre and deficient traits."—Nathan Fasten in *PRINCIPLES OF GENETICS AND EUGENICS* (Ginn and Company).

Science News Letter, April 20, 1935

ESTHETICS

What Is Ugly?

● "There is no formal or objective standard by which we may measure ugliness. Every conceivable phase of it could at least theoretically be envisaged in terms of beauty. The hunchback is often relatively as well formed as the athlete, everything about him has become harmonized with his curvature. Mr. Punch is as well formed as the Apollo Belvedere, I think, better formed, for his forms have more character. In esthetics the ugly may be regarded broadly as the extremely unusual and the ill understood, hence intolerable. When it is understood, its unusualness and ugliness will generally pass. Here philology comes to our aid. The Latin *novus* meant not merely new, but also unlikely and repellent. Whatever finds in us no pattern for its apprehension disquiets and perplexes us and is with difficulty brought into our organized (including esthetic) experience."—Frank Jewett Mather, Jr. in *CONCERNING BEAUTY* (Princeton University Press).

Science News Letter, April 20, 1935

ORS SAY:

BIOLOGY

Give and Take

● "Living always means give and take, thrust and parry, action and reaction, between the living creature and its surroundings. At one time the living creature acts on its surroundings, moving them, changing them, even devouring them. The earthworm eats the soil, the whale displaces the water, the flying bird presses the air downwards and backwards, and even the passive plant changes the chemical composition of the atmosphere. But we must frankly confess that we are not able to give a definition of that kind of activity which we call living. All that we can do is to make clear what characteristics distinguish living creatures from not-living things, such as stones or stars."—J. Arthur Thomson in *BIOLOGY FOR EVERYMAN* (*Dutton*).

Science News Letter, April 20, 1935

EMBRYOLOGY

Anatomie of the Egge

● "Harvey was the first to note that the white of the hen's egg is heterogeneous, in the sense that part of it is much more liquid than the rest, and that the more viscous part seems to be contained in an exceedingly fine membrane, so that if it is sliced across with a knife, its contents will flow out. He also set right the errors of Fabricius, Parisanus and others, by showing that the chalazae were neither the seed of the cock nor the material out of which the embryo was formed, and, most important of all, by demonstrating that the cicatricula was the point of origin of the embryo. He denied, as against popular belief, that the hen contributed anything to the developing egg but heat, 'For certain it is that the chicken is constituted by an internal principle in the egge, and that there is no accession to a complete and perfect egge by the Hennes incubation, but bare cherishing and protection; no more than the Hen contributeth to the chickens which are now hatched, which is only a friendly heat, and care, by which she defendeth them from the cold, and forreign injuries and helpeth them to their meat' "—Joseph Needham in *A HISTORY OF EMBRYOLOGY* (*Cambridge University Press*).

Science News Letter, April 20, 1935

ARCHAEOLOGY

Lack of Ambition

● "No people can be judged as to their capacities from a mere chance stage of culture. To do this would lay one open to the historical blunder of Tacitus, when he qualified the Germans as being unfit for mental or physical work (*laboris atque operum non eadem patientia*). Yet when people like the Vedda of Ceylon, who for centuries have been exposed to a rich Buddhistic civilization, respond by taking to the jungles, it would seem certain that they lack some of the ambition displayed by the Caucasian and the Mongoloid. The same charge may be laid to the door of the Kubu and allied people of Sumatra. It is only within recent years, and at the insistence of the Dutch, that these races are being assimilated."—Robert Heine-Geldern in *SUMATRA*, By Edwin M. Loeb and Robert Heine-Geldern (*Van Riemsdyck' Book-service*).

Science News Letter, April 20, 1935

BIOLOGY

Animal Predators

● "According to a resident of Telegraph Creek near the Stikine River, Canada, no coyotes were known in that section prior to 1899. About that time, however, they came in, apparently following the old goldrush trail, probably attracted by the hundreds of dead horses along it. The invasion of Alaska seems destined to continue until coyotes have extended their range over practically all of the territory."—G. F. Gause in *THE STRUGGLE FOR EXISTENCE* (*Williams & Wilkins*).

Science News Letter, April 20, 1935

PSYCHOLOGY

Sinister

● "The history of man reveals no special traits, either pleasant or unpleasant, associated with sinistrals, save perhaps their definitely increased power of ambidexterity. Yet, for reasons probably related to the solar myths and other religious beginnings as previously described, left-handedness has had sinister connotations during all ages and among many types of people, varying from primitive Kafirs to so-called highly civilized Aryans. Possibly it is another instance of the majority disdaining the minority who question their rights to dominance or superiority."—Ira S. Wile, in *HANDEDNESS: RIGHT AND LEFT*—(*Lothrop, Lee and Shepard Co.*)

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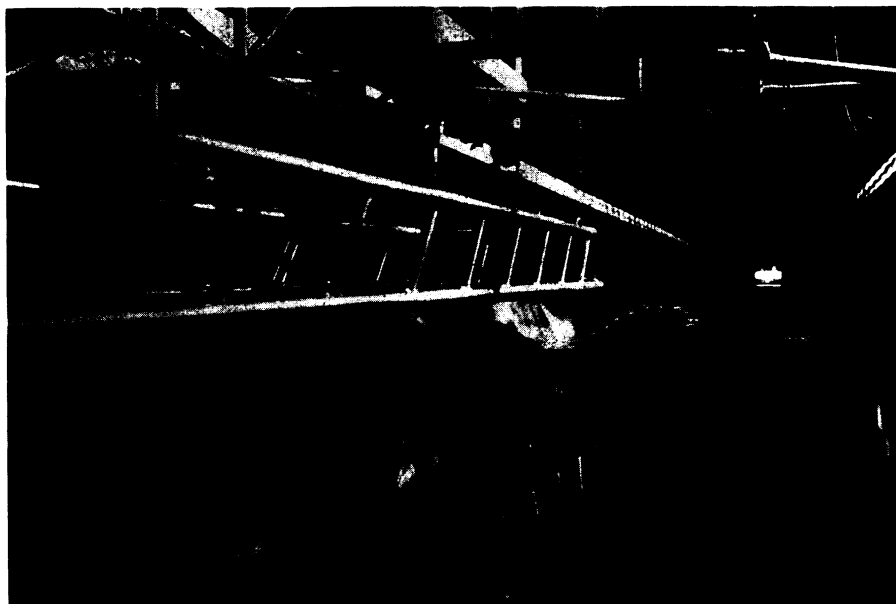
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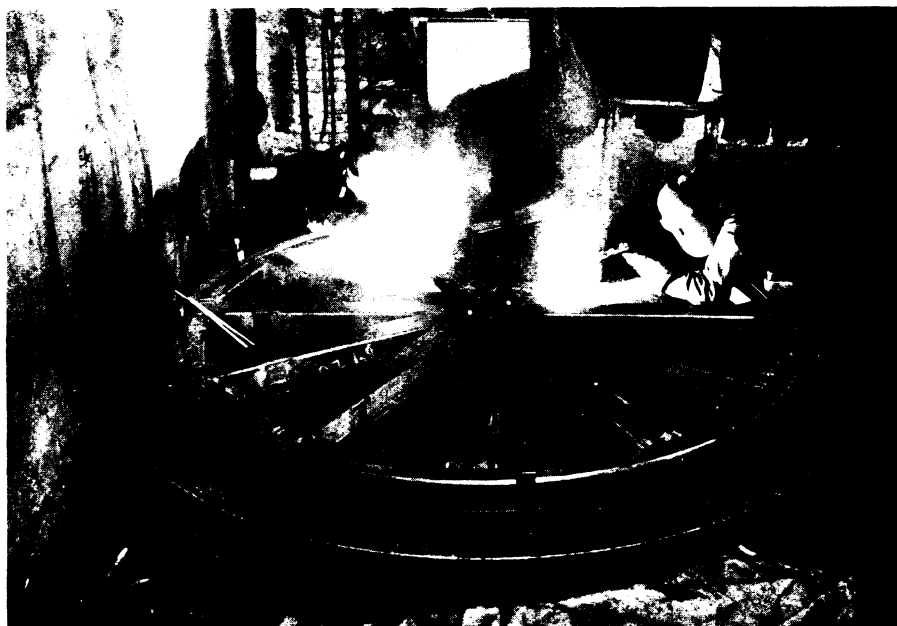
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Befitting Chimpanzees

● "Human use of both rewards and punishments remains in many respects at an irrational, instinctive level. Men usually do nothing until they are annoyed and then use retaliatory measures against the annoyer. The better way is to work scientifically to improve our state, no matter how good it is, to prevent troubles from occurring at all, and to do both by rewarding behavior that is rational, scientific, inventive, decent, healthy, and law-abiding. When rewards are given, our distribution of them too often befits chimpanzees in a state of nature rather than intelligent men in the civilization of 1930. People reward with pity and money a beggar with a running sore, but not an overworked mother. They reward with approval physical prowess and gorgeous display, but not their real benefactors. They reward with power, popularity rather than ability."—Edward L. Thorndike in *THE PSYCHOLOGY OF WANTS, INTERESTS AND ATTITUDES* (*D. Appleton-Century Co.*)

Science News Letter, April 20, 1935

SOCIOLOGY

Human Nature

● "It was once 'human nature' to steal cattle, pretty girls, and other desirable objects from the next village. This has been stopped by gradually extending the areas within which such enterprises are forbidden. Now only large nations go on raiding expeditions. Once it was considered 'natural' for men to own other men body and soul. The Roman Empire was built on this practice and fell because of it. Now slavery has been recognized as dangerous to owners as well as to slaves. We don't allow human nature to express itself in this way.

"So I think we can look forward to certain desirable human changes in the future. It is certainly 'natural' for rich men to damage the interests of all their fellows by monopolizing a raw material

or a service, but we can learn how to curb them as we curbed the muscular champions of prehistoric times. It is 'natural' that those persons who find themselves in pleasant circumstances should attempt to hinder advances which threaten their position, thereby causing 'technological unemployment,' depressions, etc. We will learn to deal with them somehow. Nationalism, too, is a part of 'human nature.' But in the past Brittany, Scotland, Naples, and Quebec were full of nationalistic ardor. They have all learned to cooperate with their immediate neighbors despite racial and linguistic differences. There is no real reason why this process should not be extended to cover the whole world."—Jonathan Norton Leonard in *TOOLS OF TOMORROW* (*The Viking Press*).

Science News Letter, April 20, 1935

HISTORY OF GARDENING

Physician's Duties

● "The Egyptian doctor was expected not only to cure his clients but to prevent snakes from entering their houses and to drive all vermin away. His reputation was one of the things which most impressed Herodotus when he visited Egypt in about 450 B. C. He compared it with the comparative lack of physicians in Babylonia. 'Every disease,' he said, 'has his physician, whereof it cometh that every corner of Egypt is full of them, many for the teeth, not a few for the stomach and inwards.'"—Edith Grey Wheelwright in *THE PHYSICK GARDEN* (*Houghton Mifflin*).

Science News Letter, April 20, 1935

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