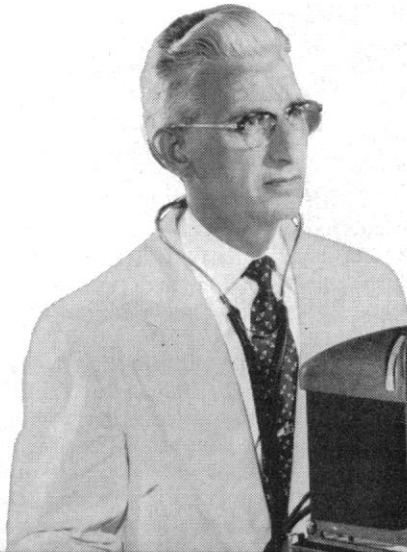


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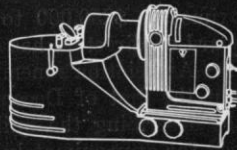
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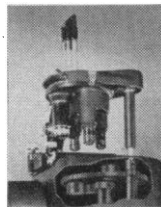
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ogy-sociology pair is handled by Parsons and Newcomb. The editor contributes an introduction and "The forward view."

The chapters are unequal in length and in quality. However, all make useful points and are fundamentally sound. On the whole, the six reviews are more impressive as historical surveys (some of them are very learned indeed) than as builders of new theoretical bridges. There are points of detail with which many professional social scientists would quarrel, but this is a solid and highly useful contribution that should help to clear away needless confusions and misunderstandings. The goal of "the generally accepted rules and definitions of plain English" (p. 7) is not attained in every chapter. The portions written by the editor are clear and forceful.

Gillin takes a rather optimistic view of social science and its potentialities for social action. However, he is no advocate of "cheap and easy integration":

In approaching the possibilities of interdisciplinary collaboration, we propose, if the figure be appropriate, not a Monolithic State, but rather a Federal Union of the specialties dealing scientifically with human behavior in society. In such a Federal Union the several member disciplines would be able to pool their scientific resources for the solution of certain problems requiring multidisciplinary treatment while maintaining a species of "states' rights" that would guarantee full freedom for each member to attend to concerns that seem to be of more specialized interest (p. 4).

In his concluding chapter Gillin considers various theoretical problems, such as models, postulates, and theorems, and the "translation" of underlying biological concepts and propositions about human behavior into social science terms. He considers the following categories common to the three disciplines under review: behavior, grouping, culture, social structure, personality, symbolization, and communication.

CLYDE KLUCKHOHN

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The Biochemistry of Clinical Medicine. William S. Hoffman. Year Book Pub., Chicago, 1954. xx + 681 pp. Illus. \$12.

This volume presents the biochemistry of the body in health and disease for purposes of review and reference by the student and practitioner of medicine. Rather than being organized exclusively on the basis of individual diseases, it deals with the subject through a multiple approach. The biochemistry of the utilization and metabolism of the various nutrients and metabolites and the effects of hormones is considered in some detail. Attention is then paid at appropriate intervals to the biochemistry, physiology, anatomy, and pathology of individual organs, and, finally, individual chapters are devoted to a consideration of the etiology, biochemical pathology, and treatment of various diseases. By this threefold approach, the biochem-

istry of man not only is well-covered but is put in the context of over-all body function or malfunction.

An important portion of the book is concerned with practical information on clinical biochemical procedures, the laboratory findings in health and disease, and their significance. The author writes with a background in chemistry and medicine and with experience as director of biochemistry in a large general hospital.

With its avowed didactic approach, it is well and competently written and avoids shallowness on the one hand and highly technical physical or chemical excursions on the other. The paper, type, and typography are of a high standard.

Despite the publication date of 1954, it would appear that many subjects have not been carried beyond 1952 or even earlier. Coverage is thorough but not exhaustive, as a reader will find who is interested in, for example, hepatolenticular degeneration (Wilson's disease). Much of the chapter dealing with the vitamins is so general, brief, or outdated that it is in contrast with the general high level of most of the book. It is regrettable that this chapter and those concerned with biological antagonists and isotopes could not have been more useful and informative in view of the growing importance of these fields in clinical medicine.

MAURICE E. SHILS

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New Books

Optics. Lectures on theoretical physics. vol. IV. Arnold Sommerfeld. Trans. by Otto Laporte and Peter A. Moldauer. Academic Press, New York, 1954. 383 pp. \$6.80.

The Hidden Life of Flowers. Trans. from the French text of J. M. Guileher. Photographs by R. H. Noailles. Philosophical Library, New York, 1954. 93 pp. \$4.75.

Organic Analysis. vol. II. John Mitchell, Jr., I. M. Kolthoff, E. S. Proskauer, and A. Weissberger, Eds. Interscience, New York-London, 1954. 372 pp. \$8.50.

Modern Aspects of pH. With special reference to plants and soils. James Small. Van Nostrand, New York, 1954. 247 pp. \$5.

Margins of the Sea. Maurice Burton. Harper, New York, 1954. 212 pp. \$3.

Many Worlds: Seen and Unseen. Edith Raskin. McKay, New York, 1954. 226 pp. \$3.50.

Science Reasoning and Understanding. A handbook for college teachers. Intercollege Committee on the Evaluation of Science Objectives of the Cooperative Study of Evaluation in General Education, Paul L. Dressel, director. Brown, Dubuque, Iowa, 1954. 223 pp. Paper, \$3.50.

Physical Measurements in Gas Dynamics and Combustion. vol. IX of *High Speed Aerodynamics and Jet Propulsion*. part 1, R. W. Ladenburg, Ed; part 2, B. Lewis, R. N. Pease, and H. S. Taylor, Eds. Princeton Univ. Press, Princeton, 1954. 578 pp. \$12.50

Science Awakening. B. L. Van der Waerden. Trans. by Arnold Dresden. Noordhoff, Groningen, Holland, 1954. 306 pp. \$5.

Geology of Petroleum. A. I. Levorsen. Freeman, San Francisco, 1954. 703 pp. \$8.

The Pineal Gland. A review of the physiologic literature. Julian I. Kitay and Mark D. Altschule. Harvard Univ. Press, Cambridge, 1954. 280 pp. \$5.

Porphyryns. Their biological and chemical importance. A. Vannotti. Trans. by C. Rimington. Hilger & Watts, London, 1954. 258 pp. 50s.

General Theory of High Speed Aerodynamics. vol. VI of *High Speed Aerodynamics and Jet Propulsion*. W. R. Sears, Ed. Princeton Univ. Press, Princeton, 1954. 758 pp. \$15.

The Art of Making Sense. A guide to logical thinking. Lionel Ruby. Lippincott, Philadelphia, 1954. 286 pp. \$3.75.

Medicina Nucleare. Introduzione alle applicazioni medicobiologiche della fisica nucleare. Aldo Perussia, U. Facchini, E. Gatti, L. Malatesta, C. Salvetti, and M. Silvestri. Pensiero Scientifico, Rome, 1954. 877 pp. L. 7000.

Functionals of Finite Riemann Surfaces. Menahem Schiffer and Donald C. Spencer. Princeton Mathematical Ser., No. 16; Marston Morse and A. W. Tucker, Eds. Princeton Univ. Press, Princeton, 1954. 451 pp. \$8.

Manson's Tropical Diseases. A manual of the diseases of warm climates. Sir Philip H. Manson-Bahr, Ed. Williams & Wilkins, Baltimore, ed. 14, 1954. 1144 pp. \$12.50.

Laboratory Practice of General Chemistry. George Norman Quam and Edward Lauth Haenisch. Burgess, Minneapolis, ed. 4, 1954. 170 pp. Paper, \$3.

Mammals of California and Its Coastal Waters. Lloyd Glenn Ingles. Stanford Univ. Press, Stanford, Calif., rev. ed. of *Mammals of California*, 1954. 396 pp. \$6.

Lehrbuch der Palaobotanik. Walther Gothan and Hermann Weyland. Akademie, Berlin, 1954. 535 pp. DM. 46.

Volume Jubilaire, Victor Van Straelen, Directeur de l'Institut Royal des Sciences Naturelles de Belgique, 1925-1954. vols. I and II. Institut Royal des Sciences de Belgique, Brussels, 1954. 1213 pp.

Time Distortion in Hypnosis. An experimental and clinical investigation. Lynn F. Cooper and Milton H. Erickson. Williams & Wilkins, Baltimore, 1954. 191 pp. \$4.

Suicide and Homicide. Some economic, sociological and psychological aspects of aggression. Andrew F. Henry and James F. Short, Jr. Free Press, Glencoe, Ill., 1954. 214 pp. \$4.

The Study of Personality. A book of readings. Compiled by Howard Brand. Wiley, New York; Chapman & Hall, London, 1954. xvi + 581 pp. \$6.

Science the Super Sleuth. Lynn Poole. McGraw-Hill, New York-London, 1954. 192 pp. \$2.75.

Induction and Analogy in Mathematics and Patterns of Plausible Inference. vols. I and II of *Mathematics and Plausible Reasoning*. G. Polya. vol. I, 280 pp. \$5.50; vol. II, 190 pp. \$4.50 (vols. I and II, \$9.). Princeton Univ. Press, Princeton, 1954.

Atom und Psyche. Ein deutungsversuch. Egon Freiherr von Eickstedt. Ferdinand Enke, Stuttgart, 1954. 158 pp. Paper, DM. 12; cloth, DM. 14.20.

A History of Birds. James Fisher. Houghton Mifflin, Boston, 1954. (first U.S. publ.). 205 pp. \$3.75.

Atomic Science, Bombs and Power. David Dietz. Dodd, Mead, New York, 1954. 316 pp. \$4.50.

Dictionary of Mathematical Sciences. vol. II, *English-German*. Leo Herland. Ungar, New York, 1954. 336 pp. \$4.50.

Elements of Algebra. Howard Levi. Chelsea, New York, 1954. 160 pp. \$3.25.

Miscellaneous Publications

ASTM Year Book. Sept. 1954. American Soc. for Testing Materials, Philadelphia 3, 1954. 666 pp. Illus.

Bore Hole Studies of the Naturally Impounded Fill at Santa Barbara, California. Tech. Memo. No. 49. Parker D. Trask and Theodore Scott. Beach Erosion Bd., Office of the Chief of Engineers, Dept. of the Army, Washington 25, 1954. 36 pp. Illus.

Carbon Monoxide, Your Car and You. Andrew J. White. Motor Vehicle Research, Boston 15, 1954. 35 pp. Illus.

Serological Approaches to Studies of Protein Structure and Metabolism. William H. Cole, Ed. Rutgers Univ. Press, New Brunswick, N.J., 1954. 97 pp. Illus. \$2.

Properties of Surfaces. Annals, vol. 58, art. 6. Roy Waldo Miner, Ed. New York Acad. of Sciences, New York 21, 1954. 250 pp. Illus.

Chemical-Biological Coordination Center of the National Research Council. Natl. Research Council, Washington 25, 1954. 33 pp. Illus.

Histochemische Methoden. Lieferung 3. Walther Lipp, Ed. R. Oldenbourg, Munich, Germany, 1954. 24 pp.

Morphology, Mineralogy and Genesis of Two Southern New England Soils. Bull. 584. G. A. Bourbeau and C. L. W. Swanson. Connecticut Agr. Expt. Sta., New Haven, 1954. 59 pp. Illus.

Thirty-Seventh Annual Report of the National Research Council of Canada, 1953-54 (In English and French). N.R.C. No. 3286. Natl. Research Council, Ottawa, Canada, 1954. 50 pp. Gratis.

Chemical Products and Processes. Patent Abstract Ser., No. 2 (Order No. PB 111465). U.S. Dept. of Commerce and Small Business Administration, Washington 25, 1954 (Order from Office of Tech. Services, USDC, Washington 25). 101 pp. \$3.

Scientific and Technical Serial Publications, United States, 1950-1953. Science Div., Library of Congress, Washington, 1954 (Order from Supt. of Documents, GPO, Washington 25). 238 pp. \$1.25.

Temperature Regulation and Water Requirements of the Brown and Abert Towhees, Pipilo fuscus and Pipilo aberti. Zoology, vol. 59, No. 4. William R. Dawson. Univ. of California Press, Berkeley 4, 1954. 40 pp. 75¢.

General Education Board Annual Report, 1953. The Board, 49 W. 49 St., New York, 1954. 57 pp.

Permissible Dose from External Sources of Ionizing Radiation. Handbook 59. Natl. Bur. of Standards, Washington 25, 1954 (Order from Supt. of Documents, GPO, Washington 25). 79 pp. Illus. 30¢.

Rapport Annuel pour l'Exercice 1953. Hors serie, 1954. Institut National pour l'Étude Agronomique du Congo Belge, Brussels, 1954. 507 pp. F. 160.

Studying and Learning. DPP 9. Max Meenes. Doubleday, Garden City, N.Y., 1954. 68 pp. 95¢.

Employment Opportunities. Bur. of Ordnance, Dept. of the Navy, Washington 25, 1954. 64 pp.

Eighth Annual Report of the Oak Ridge Institute of Nuclear Studies, June 30, 1954. The Institute, Oak Ridge, Tenn., 1954. 70 pp.

Radioactivity and Chemistry of Some Indonesian Eruptive Rocks. Verhandelingen der Koninklijke Nederlandse Akademie van Wetenschappen, Afd. Natuurkunde, Eerste Reeks, Deel 20, No. 4. J. Westerveld. North Holland, Amsterdam, 1954. 52 pp. Illus. Fl. 4.50.

Snakes of the Islands in the Gulf of California, Mexico. Trans., vol. 12, No. 5. Frank S. Cliff. San Diego Soc. of Natural History, San Diego, Calif., 1954. 30 pp.