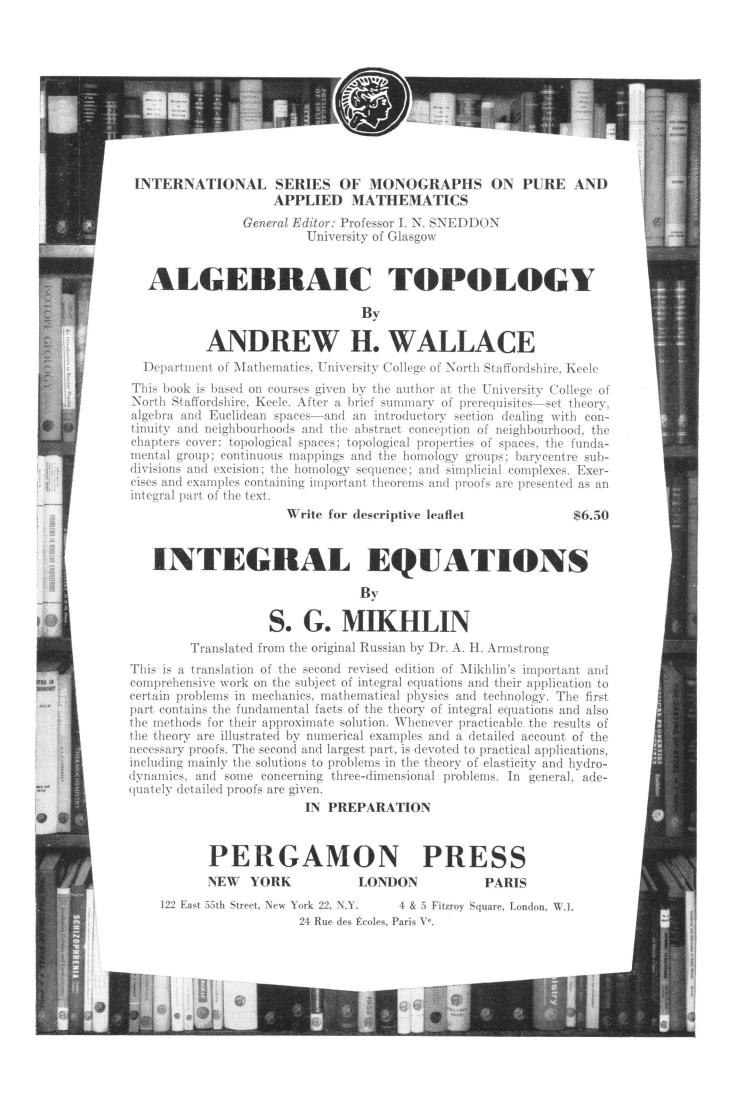
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Published, March 1957

### TRANQUILIZING DRUGS

## Arranged and edited by Harold E. Himwich Introduction by Chauncey D. Leake

6 x 9 inches, 205 pages, 32 illustrations, references, subject index.

Publication No. 46 in the symposium volume series of the American Association for the Advancement of Science

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TRANQUILIZING DRUGS resulted from a symposium held on December 27 and 28, 1955, by the American Psychiatric Association, cosponsored by the American Physiological Society, as a part of the AAAS meeting in Atlanta, Georgia. The book is exceptionally well put together. The papers, edited by Harold E. Himwich and reviewed by the contributors during 1956, represent pertinent ideas and findings on new tranquilizing drugs from many different disciplines. Such cross fertilization between the different scientific and professional interests is one of the prime functions of the AAAS annual meetings.

Many physicians, especially psychiatrists, participated in the spirited discussions at the two sessions, the first on the pharmacological aspects of new tranquilizers, and the second on therapeutic factors relating to them.

It is hoped that this volume will stimulate similar symposia so that all who are interested may have a chance to add to the rapidly growing concepts on mental disorders and ways of handling and preventing them.

Of special interest to: psychiatrists, physicians, psychoanalysts, pharmacologists, and administrators in the mental health field.

Also available: PSYCHOPHARMACOLOGY, 1956, \$3.50 (AAAS members \$3.00)

ALCOHOLISM—Basic Aspects and Treatment, edited and arranged by Harold E. Himwich, 1957, \$5.75 (AAAS members \$5.00)

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with a mean distance between clusters of 100 A. The second stage leads to a precipitate visible under the microscope, with a mean separation distance of 1 micron. Pages 277 to 301 of this volume contain discussions of all of the eight papers as well as the authors' written replies.

The second group of papers was introduced by the review paper "Martensitic transformations," by B. A. Bilby and J. W. Christian. In this comprehensive paper the authors review the experimental observations and theoretical interpretations related to the various aspects of these transformations. Included are discussions of the nucleation and the kinetics of transformation and a particularly noteworthy section on theories of the crystallography of martensitic transformations. A final section is devoted to the role played by dislocations in these transformations.

The following nine papers are devoted to a variety of topics, including transformations in cobalt, metastable beta-brass, and a uranium-chromium alloy. A paper by O. Krisement and F. Wever is devoted to the bainite reaction in high-carbon steels and one by M. A. Jaswon, to the nucleation problem in martensite.

The final 40 pages, which contain the discussions of the papers on martensitic transformations, add significantly to the value of this volume; particularly noteworthy are the discussions by R. W. Cahn and F. C. Frank.

The papers and discussions in this book constitute an important addition to the literature on transformations in metals, and the Institute of Metals is to be thanked for arranging the symposium and for publishing the proceedings.

T. A. READ

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### Books Reviewed in The Scientific Monthly, July

Franklin and His French Contemporaries, A. O. Aldridge (New York Univ. Press). Reviewed by I. B. Cohen.

Discovery of the Elements, M. E. Weeks (Journal of Chemical Education)

A History of the Ancient Southwest, H. S. Gladwin (Bond Wheelwright). Reviewed by J. B. Wheat.

Foundations of Inductive Logic, R. Harrod (Harcourt, Brace). Reviewed by M. Black.

Discoveries and Opinions of Galileo, Translated by S. Drake (Doubleday).

Integration, E. J. McShane (Princeton Univ. Press).

Theory of Lie Groups, I. C. Chevalley (Princeton Univ. Press).

Man Unlimited, H. Gartmann (Pantheon). Reviewed by R. G. Daggs.

What Makes a College?, C. Meigs (Macmillan). Reviewed by L. T. Benezet.

Learning and Instinct in Animals, W. H. Thorpe (Harvard Univ. Press). Reviewed by D. R. Meyer.

Experiments with a Microscope, N. F. Beeler and F. M. Branley (Crowell). Reviewed by G. Hardin.

Scientific and Learned Societies of Great Britain (Allen and Unwin).

Indian Students on an American Campus, R. D. Lambert and M. Bressler (Univ. of Minnesota Press). Reviewed by W. W. Lambert.

#### New Books

Breeding and Improvement of Farm Animals. Victor A. Rice, Frederick N. Andrews, Everett J. Warwick, James E. Legates. McGraw-Hill, New York, ed. 5, 1957. 547 pp. \$8.50.

The Physiology of the Pituitary Gland of Fishes. Grace E. Pickford and James W. Atz. New York Zoological Society, New York, 1957. 636 pp. \$6.

Vegetable Oils in Nutrition. With special reference to unsaturated fatty acids. Dorothy M. Rathmann. Corn Products Refining Co., New York, 1957. 70 pp.

Fishes of the Red Sea and Southern Arabia, vol. I, Branchiostomida to Polynemida. Henry W. Fowler. Weizmann Science Press, Jerusalem, 1956. 240 pp.

Mammals of the Great Lakes Region. William H. Burt. University of Michigan Press, Ann Arbor, 1957. 246 pp. \$4.75.

A Key to the Stars. R. van der Riet Woolsley. Philosophical Library, New York, ed. 3, 1957. 144 pp. \$4.75.

Primates. Comparative anatomy and taxonomy. 3. Pithecoidea. Platyrrhini (Families Hapalidae and Callimiconidae). A monograph. W. C. Osman Hill. Interscience, New York; Edinburgh University Press, Edinburgh, 1957. 354 pp. \$13.50.

Electricity and Magnetism. B. I. Bleaney and B. Bleaney. Clarendon Press, Oxford, 1957 (order from Oxford University Press, New York 11). 690 pp. \$10.10.

Scientific French. A concise description of the structural elements of scientific and technical French. William N. Locke. Wiley, New York; Chapman & Hall, London, 1957. 122 pp. \$2.25.

Marine Algae of the Northeastern Coast of North America. William Randolph Taylor. University of Michigan Press, Ann Arbor, rev. ed., 1957. 518 pp. \$12.50

Scientific German. A concise description of the structural elements of scientific and technical German. George E. Condoyannis. Wiley, New York; Chapman & Hall, London, 1957. 171 pp. \$2.50.

Technique of Organic Chemistry, vol. X, Fundamentals of Chromatography. Harold G. Cassidy. Interscience, New York, 1957. 464 pp. \$9.75.

Digital Computer Programming. D. D. McCracken. Wiley, New York; Chapman & Hall, London, 1957. 260 pp. \$7.75.

The Chemistry of Organometallic Compounds. Eugene G. Rochow, Dallas T. Hurd, Richard N. Lewis. Wiley, New York; Chapman & Hall, London, 1957. 350 pp. \$8.50.

The Copernican Revolution. Planetary astronomy in the development of Western thought. Thomas S. Kuhn. Harvard University Press, Cambridge, Mass., 1957. 315 pp. \$5.50.

The Casting of Steel. W. C. Newell, Ed. Philosophical Library, New York, 1957. 607 pp. \$27.50.

Pilot Plants, Models, and Scale-up Methods in Chemical Engineering. Robert E. Johnstone and Meredith W. Thring. McGraw-Hill, New York, 1957. 318 pp. \$9.50.

The 1,2,3- and 1,2,4-Triazines, Tetrazines and Pentazines. John G. Erickson, Paul F. Wiley, V. P. Wystrach. Interscience, New York, 1956. 272 pp. \$9.50.

Ion Exchangers in Organic and Biochemistry. Calvin Calmon and T. R. E. Kressman. Interscience, New York, 1957. 773 pp. \$15.

Numerical Methods. R. A. Buckingham. Pitman, New York, 1957. 609 pp. \$15.

Biological Aspects of the Transmission of Disease. C. Horton-Smith, Ed., Oliver and Boyd (for the Institute of Biology), London, 1957. 192 pp. 21s.

Light Scattering by Small Particles. H. C. Van de Hulst. Wiley, New York; Chapman & Hall, London, 1957. 483 pp. \$12.

Psychology Applied to Life and Work. Harry W. Hepner. Prentice-Hall, Englewood Cliffs, N.J., ed. 3, 1957. 654 pp. \$6.95.

The Hypercircle in Mathematical Physics. A method for the approximate solution of boundary value problems. J. L. Synge. Cambridge University Press, Cambridge, 1957 (order from Cambridge University Press, New York 22). 434 pp. \$13.50.

Nuclear Weapons and Foreign Policy. Henry A. Kissinger. Harper (for the Council on Foreign Relations), New York, 1957. 475 pp. \$5.

The Person in Psychology: Reality or Abstraction. Paul LaFitte. Philosophical Library, New York, 233 pp. \$6.

An Introduction to the Philosophy of Education. D. J. O'Connor. Philosophical Library, New York, 1957. 148 pp. \$3.75.

Language and Religion. A semantic preface to a philosophy of religion. Ben F. Kimpel. Philosophical Library, New York, 1957. 153 pp. \$3.75.

An Essay on Mankind. Gerhard Hirschfeld. Philosophical Library, New York, 1957. 114 pp. \$3.75.

Fundamentals of Microbiology. Martin Frobisher. Saunders, Philadelphia, ed. 6, 1957. 639 pp.

College Physics. Robert T. Beyer and A. O. Williams, Jr. Prentice-Hall, Englewood Cliffs, N.J., 1957. 671 pp. \$7.50.

La Chimie Nucléaire et Ses Applications. M. Haïssinsky. Masson, Paris, 1957. 651 pp. Paper, F. 5000; cloth, F. 5600.

Chimie Organique Générale. Jean Vène. Masson, Paris, 1957. 349 pp. Paper, F. 3500; cloth, F. 4100.