

SCIENCE

VOL. 102

FRIDAY, JULY 13, 1945

No. 2637

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SCIENCE: A Weekly Journal, since 1900 the official organ of the American Association for the Advancement of Science. Published by the American Association for the Advancement of Science every Friday at Lancaster, Pennsylvania.

Editors: JOSEPHINE OWEN CATTELL and JAMES CATTELL.

Policy Committee: MALCOLM H. SOULE, ROGER ADAMS and WALTER R. MILES.

Advertising Manager: THEO. J. CHRISTENSEN.

Communications relative to articles offered for publication should be addressed to Editors of Science, 1215 Fifth Avenue, New York 29, N. Y.

Communications relative to advertising should be addressed to THEO. CHRISTENSEN, Advertising Manager, Smithsonian Institution Building, Washington 25, D. C.

Communications relative to membership in the Association and to all matters of business of the Association should be addressed to the Permanent Secretary, A.A.A.S., Smithsonian Institution Building, Washington 25, D. C.

Annual subscription, \$6.00

Single copies, 15 cents

RESEARCH AND THE INDIVIDUAL¹

By Dr. WM. de B. MacNIDER

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THIS is a worthwhile occasion. Twenty-five years ago the North Carolina Chapter of the Society of the Sigma Xi made its appearance at this university. The chapter was installed on the evening of May 6, 1920, under the national presidency of Professor C. L. McClung.²

This anniversary occasion is enhanced and made specially appropriate by the fact that during the present year the University of North Carolina is in

the process of celebrating its sesquicentennial. During this period of one hundred and fifty years the university has cause to rejoice in the scientific accomplishments and trends which it has given by thought through research to the nation and areas beyond the seas.

A review of the Scientific Bibliography³ of the university since 1795, prepared some years ago by Mrs. C. Dale Beers, of the Department of Botany, impresses one with the sincere interest which instructors at this institution have had in gaining understanding of a scientific order, of the physical difficulties which must have beset such investigations and the will within

¹ An address on the occasion of the twenty-fifth anniversary of the founding of the North Carolina Chapter of the Society of the Sigma Xi, June 7, 1945.

² Wm. deB. MacNider, "Sigma Xi. Half-Century Record and History 1886-1936," North Carolina Chapter, 716. Free Press Interstate Printing Corporation, Burlington, Vermont.

³ Alma Holland (Mrs. C. Dale Beers), *Jour. Elisha Mitchell Scientific Society*, 50: 303, 1934.

Two commendations are in order: one is for the sparing use of the term "personality," which is used only in presenting the views of writers who depend upon the term in one or more of its several meanings; the term not appearing in the subject-index at all. The authors, it is obvious, do not endorse what has been called the "personality racket," which in recent years has become a substitute for psychology. One might wish, however, that the authors had indicated that the term can be eliminated from statements in which it occurs; or be replaced by simple terms such as "person" and "personal," with improvement in clarity and definiteness.

The brief discussion of introversion—extroversion (p. 338), presents a thesis which is in agreement with the commercialized tests for detection of introverts and extroverts, and the approved method of scoring those tests, although it is not in accord with the definitions commonly given for extroversion and introversion. This thesis would have been worth expanding into greater detail.

This is not a book for casual reading; but as a textbook, and a book of reference, the wealth of digested materials, and the unusually critical attitude of the authors make it invaluable. The bibliography is extensive, containing 833 titles, to all of which references are made in text; while the author-index and the subject-index are satisfactorily competent.

KNIGHT DUNLAP

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

TROPICAL MEDICINE

Manual of Tropical Medicine. Prepared under the auspices of the Division of Medical Sciences of the National Research Council. By THOMAS T. MACKIE, GEORGE W. HUNTER, III and C. BROOKE WORTH. 727 pp., including 287 illustrations. W. B. Saunders Company. 1945.

THE present war has taken thousands of the members of our armed forces to far distant lands. In these unfamiliar surroundings and with new experiences, many of the letters home, particularly from those individuals stationed in the tropics, contain weird descriptions of horrible diseases seemingly widespread among the natives: tropical diseases, more to be feared than the enemy. These reports have aroused considerable apprehension in the family circle and have been too often the basis for articles in the lay press. In general the writers are referring to advanced stages of diseases not necessarily maladies indigenous only to the tropics, since primitive people, if they seek medical attention at all, rarely do so in the early stages of sickness. It is most difficult to delimit from the broad field of medicine the scope of

tropical medicine. Those diseases which have their greatest incidence in hot, humid climates, and those which are greatly influenced in clinical appearance and prognosis by such an environment fall under the designation "tropical medicine."

In 1942 Dr. Richard Strong prepared a revision of Stitt's "Diagnosis, Prevention and Treatment of Tropical Diseases." These two volumes became at once the standard text-book in this field. The need for a more concise presentation of the subject was envisioned and the authors of the present volume, all colleagues of Dr. Strong in the Army Medical School, undertook the task. The appearance of this manual in the series of military handbooks sponsored by the National Research Council is most timely.

In arranging the contents of the manual, the text was condensed and augmented with tables, summaries and charts, thus making available an unusual wealth of material. The authors have had a unique opportunity not only to prepare an authoritative manual, but to sense the needs of students entering the field of tropical medicine, because of their association with the Army Medical School. In addition to this group, the manual is to be highly recommended for those who wish to familiarize themselves with the subject in a somewhat more general way.

MALCOLM H. SOULE

BOOKS RECEIVED

- EVE, A. S., and C. H. CREASEY. *Life and Work of John Tyndall.* Illustrated. Pp. xxxii+404. Macmillan & Co., Ltd., London. 21s. 1945.
- GOODENOUGH, FLORENCE L. *Developmental Psychology.* Second edition, revised. Illustrated. Pp. xxi+723. D. Appleton-Century Company. \$3.75. 1945.
- HARPER, FRANCIS. *Extinct and Vanishing Mammals of the Old World.* Illustrated. Pp. xv+850. American Committee for International Wild Life Protection, Zoological Park, New York. 1945.
- HUDSON, RALPH G. *An Introduction to Electronics.* Illustrated. Pp. x+97. The Macmillan Company. \$3.00. 1945.
- LACK, DAVID. *The Galapagos Finches (Geospizinae); A Study in Variation.* Occasional Paper No. XXI of the California Academy of Sciences. Illustrated. Pp. vii+151. The Academy, San Francisco. 1945.
- MARSLAND, DOUGLAS. *Principles of Modern Biology; A Complete Reconstruction and Modernization of Charles B. Plunkett's Elements of Modern Biology.* Pp. ix+774. Illustrated. Henry Holt and Company. \$3.75. 1945.
- MOORE, ROBERT A., Editor. *Ageing and Degenerative Diseases; Vol. XI, Biological Symposia.* Illustrated. Pp. 242. The Jaques Cattell Press, Lancaster, Pa. \$3.00. 1945.
- Netherlands East Indies. A Bibliography of Books Published After 1930, and Periodical Articles After 1932, Available in U. S. Libraries.* Pp. v+208. Library of Congress. 1945.
- SCHRODINGER, ERWIN. *What Is Life?* Illustrated. Pp. viii+91. The Cambridge University Press, The Macmillan Company. \$1.75. 1945.
- TUCKER, DURWARD J. *Introduction to Practical Radio.* Illustrated. Pp. xvi+322. The Macmillan Company. \$3.00. 1945.



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"In the annals of American science, James Dwight Dana's 'System of Mineralogy' occupies a unique place, for it has been in constant use for more than a century. During this period it has grown in strength and influence. Among mineralogists, mineral chemists, geologists and mineral technologists, it has been justly characterized as their scientific bible. By the publication of Volume I of the seventh edition, the future of Dana's 'System of Mineralogy' is well assured. . . .

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"Other radical changes are to be noted in the crystallographic orientation of many minerals. . . . Some minerals which have been considered as having a basal cleavage have been so oriented that the cleavage is now parallel to a front or side pinacoid, or where twinning was formerly indicated as being parallel to a unit prism, either a unit or modified dome, depending upon the changes introduced in the axial ratio, is given as the twinning plane. The authors justify these changes primarily on the basis of new crystallographic and X-ray structure studies."

—EDWARD H. KRAUS in *Mining and Metallurgy*

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