

arrange the papers in logical sequence. For its relatively small size, the book is remarkably informative and provides a stimulating and refreshing approach to a variety of problems of current interest.

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**Psychological Statistics.** Quinn McNemar, Wiley, New York; Chapman & Hall, London, ed. 2, 1955. vii + 408 pp. Illus. \$6.

Quinn McNemar presents in this second edition of *Psychological Statistics* a revision of his widely used book which was first published in 1949. This edition, like the previous one, discusses the statistical techniques most frequently used in psychological research but stresses to a greater extent the logic, assumptions, interpretations, and limitations of various statistical procedures rather than routine computational drills. This emphasis upon the *rationale* of statistical procedures provides the student with a better understanding of the value of statistical techniques in research design and the treatment of data.

New material in this revised edition includes an expression of the treatment of statistical inference and the logic of hypothesis testing, which is now developed by means of the binomial distribution and use of some of the Neyman-Pearson principles. Also added is a discussion of the analysis of variance as an approach to hypothesis testing.

Of the 19 chapters, five are devoted to correlational analysis, including a chapter comparing correlated and independent variabilities, and three chapters are concerned with the analysis of variance.

The book is concise without loss of clarity and offers both introductory and advanced students a valuable textbook.

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**Hypertension: Humoral and Neurogenic Factors.** Ciba Foundation Symposium. G. E. W. Wolstenholme and Margaret P. Cameron, Eds. Little, Brown, Boston, 1954. xiv + 294 pp. Illus. + plate. \$6.75.

This small volume very capably summarizes most of the past 20 years of active research in hypertension, largely from the experimental aspect. The formal discussions add little new information, as indeed is proper; but the in-

formal "back-and-forths" that follow these are of consuming interest. Here and there one or another participant in the discussion seems perhaps to stretch his comments beyond his experience; but the result is stimulating rather than misleading. The volume is unhesitatingly recommended to all whose interests range into the area of hypertension or vascular function, clinical or experimental.

The book is not only exemplary in itself but is also a model of editing. Too often the record of conferences such as this is unintelligible or so esoteric as to be noninformative. This one is certainly not. To what extent this reflects the chairman's evidently thoughtful conduct of the meeting on one hand and the editors' skill on the other is not apparent; both contribute to the general level of excellence. However, the chairman, G. W. Pickering, particularly is to be praised for the skillful summary that constitutes his closing remarks. From this aspect, the book should be studied, not only for its content, but also for its arrangement.

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## New Books

**Principles of Animal Virology.** F. M. Burnet. Academic Press, New York, 1955. 486 pp. \$10.

**Genetics and Metabolism.** Robert P. Wagner and Herschel K. Mitchell. Wiley, New York; Chapman & Hall, London, 1955. 444 pp. \$7.50.

**Modern Physics.** John C. Slater. McGraw-Hill, New York-London, 1955. 322 pp. \$5.50.

**Materials for Nuclear Power Reactors.** Pilot Books, No. 7. Henry H. Hausner and Stanley B. Roboff. Reinhold, New York, 1955. 224 pp. \$3.50.

**This World of Ours.** Abram Glaser. Philosophical Library, New York, 1955. 493 pp. \$5.

**Quantum Theory of Solids.** International Ser. of Monogr. on Physics. R. E. Peierls. Oxford Univ. Press, New York-London, 1955. 229 pp. \$4.80.

**The Mask of Sanity.** An attempt to clarify some issues about the so-called psychopathic personality. Hervey Cleckley. Mosby, St. Louis, ed. 3, 1955. 596 pp. \$9.50.

**Proceedings of the International Conference of Theoretical Physics.** Kyoto and Tokyo, September, 1953. Science Council of Japan, Ueno Park, 1954. 942 pp. \$10.

**Principles of Mathematics.** C. B. Allen-dorfer and C. O. Oakley. McGraw-Hill, New York-London, 1955. 448 pp. \$5.

**The Underwater Naturalist.** Pierre de Latil. Trans. by Edward Fitzgerald. Houghton, Mifflin, Boston, 1955. 275 pp. \$3.50.

**Estudos Sobre os Virus Coxsackie.** Paulo de Goes. Universidade do Brasil, Rio de Janeiro, 1954. 271 pp.

## Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

**Free World Trade Controls for Peace.** Foreign Operations Administration, Washington, D.C. 17 pp.

**Abstracts of Technical Studies in Art and Archaeology, 1943-1952.** Occasional Papers, vol. 2, No. 2. Compiled by Rutherford J. Gettens and Bertha M. Usilton. Freer Gallery of Art, Washington, 1955. 408 pp.

**Supplement to Chasen (1940), a Hand-list of Malaysian Mammals.** Containing a generic synonymy and a complete index. J. R. Ellerman and T. C. S. Morrison-Scott. British Museum (Natural History), London, 1955. £1 10s.

**Annual Report of the Librarian of Congress for the Fiscal Year Ending June 30, 1954.** Library of Congress, Washington, 1955. 178 pp.

**Carte des sols et de la vegetation du Congo belge et du Ruanda-Urundi.** pt. 3, *Vallee de la Ruzizi.* L'Institut National pour l'Etude Agronomique du Congo Belge, Brussels, 1955. F. 100.

**Union Miniere du Haut-Katanga.** Monogr. 1954. M. Weissenbruch, Ltd., Brussels, 1955. 154 pp.

**Gaps in the Existing Specialized International Bibliographies.** Paule Salvan. United Nations Educational, Scientific and Cultural Organization, Paris, 1955. 67 pp.

**A Reappraisal of the Fremont Culture with a Summary of the Archaeology of the Northern Periphery.** No. 1. H. M. Wormington. Denver Museum of Natural History, Denver, 1955. 200 pp. \$3.

**Annual Report Cornell Aeronautical Laboratory, Inc., 1954.** The Laboratory, Buffalo, N. Y. 12 pp.

**The Structure, Composition, and Growth of Bone, 1930-1953.** A bibliography. Compiled by Marjory C. Spencer and Katherine Uhler. Armed Forces Medical Library, Reference Div., 1955 (Order from Supt. of Documents, GPO, Washington 25). 190 pp. \$1.

**Formulas for Computing Capacitance and Inductance.** NBS Circular 544. Chester Snow. U. S. Dept. of Commerce, Natl. Bur. of Standards, Washington, 1955 (Order from Supt. of Documents, GPO, Washington 25). 69 pp. \$0.40.

**A New Species of Thrush from Angola.** Fieldiana, Zoology, vol. 34, No. 31. Austin L. Rand. Chicago Natural History Museum, Chicago, 1955. 3 pp. \$0.10.

**Keystones of Good Internal Administration.** Misc. No. 20. Ellsworth Tompkins and Galen Jones. U.S. Dept. of Health, Education and Welfare, Washington, 1955. (Order from Supt. of Documents, GPO, Washington). 24 pp. \$0.15.

**A Revision of the Psychodidae (Diptera) in America North of Mexico.** Publ. in entomology, vol. 10, No. 3. Larry W. Quate. Univ. of California Press, Berkeley and Los Angeles, 1955. 170 pp.

**Some British Mites of Economic Importance.** Economic Ser. No. 17. G. Owen Evans and E. Browning. British Museum (Natural History), London, 1955. 46 pp. 2s.