

multiple-sampling scheme by Bartky, and, also, the idea of chain experiments was discussed by Hotelling in 1941.

In the reviewer's opinion, sequential analysis is not the last word in testing procedures for the general problem of efficient testing. Too little attention appears to be given to operational testing situations to determine the pertinent factors that are involved. However, the technique appears to be useful when the test is destructive and when the cost of testing an item is large.

The book is divided into three parts and an appendix. Part I includes: (1) an elegant discussion of the elements of the current theory of testing hypotheses, (2) a clear and concise general statement of a sequential test of a statistical hypothesis, (3) the nature and meaning of a probability ratio test, and (4) an outline of a theory of sequential tests of simple and composite hypotheses against a set of alternatives. In Part II we have certain simple applications of the theory to very special cases involving the binomial and normal distribution functions. It would have been interesting and useful to have had, in addition, illustrations of less common cases. Part III outlines a possible approach to the problem of sequential multi-valued decisions and estimation. As is well known to the author of the book, this field is unexplored, and in it there is much left to be done. In the appendix the author gives certain mathematical derivations pertinent to the theory of sequential testing.

In the reviewer's opinion, the book is well and clearly written and may be read and understood by those who have no advanced mathematical training.

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***Diseases of the nose and throat.*** (3rd ed.) Charles J. Imperatori and Herman J. Burman. Philadelphia: J. B. Lippincott, 1947. Pp. xxvi + 576. (Illustrated.) \$12.00.

This revised standard work is addressed to surgeons and therapists in the field of rhinolaryngology. It stresses the point of view that modern surgery is performed not merely to correct pathology or deformity, but to achieve an optimum postoperative functional result for the patient. The new material introduced in the present edition has to do chiefly with the oral manifestations of nutritional disturbances, vitamin deficiency, and the use of sulfonamides and penicillin, particularly in relation to intracranial complications. The chapter on radiation therapy has been completely revised in the light of recent clinical research. The volume is presented as a working manual for the diseases of the nose and throat written in terse sentences and arranged in well-outlined, almost tabular, form. The condensed text is complemented by 480 good illustrations, a large number of them actual photographs and a fair number in color. Supplementing 49 chapters by the authors are three by other contributors: Frederick M. Law, on "Roentgen Examination of Nasal Accessory Sinuses"; Ira I. Kaplan, on "Radium and Roentgen Ray"; and Andrew A. Eggston, on "Laboratory Aids." Although the volume is supplied with a very good index, it is almost wholly lacking in references to pertinent literature and leaves the reader at a complete loss in reference to the sources for statements made or where further elaboration of techniques and topics could be secured.

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## Scientific Book Register

BOURIQUET, G. *Les maladies des plantes cultivées à Madagascar.* Paris: Paul Lechevalier, 1946. Pp. 545. (Illustrated.) 1200 fr.

BOYCE, JOSEPH C. (Ed.) *New weapons for air warfare.* (Science in World War II, OSRD.) Boston: Little, Brown, 1947. Pp. xviii + 292. (Illustrated.) \$4.00.

CAHALANE, VICTOR H. *Mammals of North America.* New York: Macmillan, 1947. Pp. x + 682. (Illustrated.) \$7.50.

CARSWELL, T. S. *Phenoplasts: their structure, properties, and chemical technology.* New York-London: Interscience, 1947. Pp. xii + 265. \$5.50.

CROWTHER, J. A. (Ed.) *Handbook of industrial radiology.* (Industrial Radiology Group, Institute of Physics.) London: Edward Arnold, 1946. Pp. viii + 203. (Illustrated.) \$7.00.

DEGERING, ED. F., and collaborators. *The work book of fundamental organic chemistry.* Ypsilanti, Mich.: Univ. Lithoprinters, 1947. (Rev. ed.) Pp. 256. (Illustrated.) \$1.75.

DENNIS, WAYNE, et al. *Current trends in psychology.* Pittsburgh, Pa.: Univ. Pittsburgh Press, 1947. Pp. vii + 225. \$3.50.

EASTMAN, E. D., and ROLLEFSON, G. K. *Physical chemistry.* New York-London: McGraw-Hill, 1947. Pp. viii + 504. \$4.50.

HALDANE, J. B. S. *Science advances.* New York: Macmillan, 1947. Pp. 253. \$3.00.

KRAEHNBUHL, JOHN O., and FAUCETT, MAX A. *Circuits and machines in electrical engineering.* Vol. I: *Circuits*; Vol. II: *Machines.* (2nd ed.) New York: John Wiley; London: Chapman & Hall, 1947. Pp. ix + 367; ix + 370. (Illustrated.) \$4.25 ea.

LAUFFER, MAX A. *Viruses.* (From 20th Annual Priestly Lectures, 1946.) Ann Arbor, Mich.: Edwards, 1947. Pp. 62. (Illustrated.)

LEROI-GOURHAN, ANDRÉ. *Archéologie du Pacifique-Nord.* Paris: Université de Paris, Institut d'Ethnologie, Musée de L'Homme, 1946. Pp. xviii + 538. (Illustrated.)

MCINTYRE, A. R. *Curare: its history, nature, and clinical use.* Chicago: Univ. Chicago Press, 1947. Pp. vii + 240. (Illustrated.) \$5.00.

NELSON, J. RALEIGH. *Writing the technical report.* (2nd ed.) New York-London: McGraw-Hill, 1947. Pp. xiv + 388. \$3.00.

NORD, F. F. (Ed.) *Advances in enzymology and related subjects of biochemistry.* (Vol. VII.) New York-London: Interscience, 1947. Pp. xi + 665. \$8.75.

———. *Heredity and variation in microorganisms.* (Cold Spr. Harb. Sympos. quant. Biol., Vol. XI.) Cold Spring Harbor, N. Y.: Biological Laboratory, 1946. Pp. xi + 314. (Illustrated.) \$6.00.