

of dental caries. The topical application of sodium fluoride to the teeth is also considered.

The need for an effective plan of public dental health education is stressed. The desirability of local, state, and national participation in such a program of service—control and prevention—is well presented. Although now in its infancy, the role of dentistry in the public health program has unusual promise, as judged by the place the contributors to this book ascribe to it.

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Organic syntheses. (Vol. 28.) H. R. Snyder. (Ed.-in-Chief.) New York: John Wiley; London: Chapman & Hall, 1948. Pp. vi + 121. (Illustrated.) \$2.50.

The present addition to the series of *Organic syntheses* maintains the high standards set by previous volumes. Directions for preparing the following 37 specific organic compounds are given: 2-acetothienone, 2-acetylfluorene, 9-acetylphenanthrene, 2-allylcyclohexanone, *o*-aminobenzaldehyde, *p*-aminophenyl disulfide, benzoyl disulfide, 9-bromophenanthrene, 4-bromo-*o*-xylene, 3-carbethoxycoumarin, *p*-chloroacetylacetanilide, *m*-chlorophenylmethylcarbinol, *m*-chlorostyrene, 9-cyanophenanthrene, *trans*-1,2-cyclohexanediol, 4,7-dichloroquinoline, 2,5-dihydroxyacetophenone, diisovalerylmethane, 3,4-dimethylaniline, 2,4-dimethylquinoline, 1,4-dinitronaphthalene, diphenylacetoneitrile, ethyl azodicarboxylate, ethyl ethoxymethylene-

malonate, fluorenone-2-carboxylic acid, hexamethylene chlorohydrin, hydroquinone diacetate, 2-hydroxyecinchonic acid, *D,L*-isopropylideneglycerol, methyl 4-keto-7-methyloctanoate, 4-nitro-1-naphthylamine, *p*-nitrophenyl sulfide, phenanthrene-9-aldehyde, 1-phenyl-3-amino-5-pyrazolone, α -phenylthiourea, 2,4,7-trinitrofluorenone, vinyl chloroacetate. In each case a check on the preparation has been made by a member of the editorial board and his collaborator. It may be of interest to several readers to record that for their convenience the *Chemical Abstracts* indexing name for each compound is given as a subtitle when that name differs from the title of the preparation. As is the usual practice in this series, the present volume also contains a collective index to material for Volumes XX–XXVIII.

Again, the editorial board should be complimented and congratulated upon its worthwhile project of continuing to make available a repository of miscellaneous syntheses of organic compounds which really work and which will present no unexpected difficulties to the student who needs to prepare one of them. This volume continues the invaluable service of developing good technique. The compounds, in the opinion of the reviewer, have been well selected and the discussions and notes at the end of each preparation are also a real contribution to this all-important field of organic chemistry. Thus, the original purpose of the series is being carried out ably.

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Scientific Book Register

BLOUT, E. R., HOHENSTEIN, W. P., and MARK, H. (Eds.) *Monomers: a collection of data and procedures on the basic materials for the synthesis of fibers, plastics, and rubbers.* (Sect. 1.) New York: Interscience, 1949. 8 chapters. (Illustrated.) \$7.50.

CARLETON, H. M., and LEACH, E. H. (Eds.) *Schafer's essentials of histology.* (15th ed.) Philadelphia: Lea & Febiger, 1949. Pp. xii + 655. (Illustrated.) \$6.50.

CHALMERS, J. ALAN. *Atmospheric electricity.* New York (11): Oxford Univ. Press; Oxford, Engl.: Clarendon Press, 1949. Pp. 175. (Illustrated.) \$3.75.

HILL, FREDERICK C. *Operative surgery.* New York: Oxford Univ. Press, 1949. Pp. xii + 698. (Illustrated.) \$12.75.

JOHLIN, J. M. *Introduction to physical biochemistry.* (2nd ed.) New York: Paul B. Hoeber, 1949. Pp. ix + 246. (Illustrated.) \$3.75.

LEDERMANN, WALTER. *Introduction to the theory of finite groups.* New York: Interscience; Edinburgh-London: Oliver and Boyd, 1949. Pp. viii + 152. \$3.00.

LEICESTER, HENRY M. *Biochemistry of the teeth.* St. Louis, Mo.: C. V. Mosby, 1949. Pp. 306. (Illustrated.) \$5.00.

MILNE, WILLIAM EDMUND. *Numerical calculus: approximations, interpolation, finite differences, numerical integration, and curve fitting.* Princeton, N. J.: Princeton Univ. Press, 1949. Pp. x + 393. (Illustrated.) \$3.75.

PAGE, LEIGH, and ADAMS, NORMAN ILSLEY, JR. *Principles of electricity: an intermediate text in electricity and magnetism.* (2nd ed.) New York-London: D. Van Nostrand, 1949. Pp. xiii + 619. (Illustrated.)

WRIGHT, ALBERT HAZEN, and WRIGHT, ANNA ALLEN. *Handbook of frogs and toads of the United States and Canada.* (3rd ed.) Ithaca, New York: Comstock, 1949. Pp. xii + 640. (Illustrated.) \$6.50.

Proceedings of the Fourth International Congresses on Tropical Medicine and Malaria: Washington, D. C., May 10–18, 1948. (Dept. of State, Publ. 3246, 2 vols.) Washington, D. C.: U. S. Govt. Printing Office, 1948. Vol. 1, pp. xiii + 946; vol. 2, pp. viii + 947–1810. (Illustrated.)

The situation in biological science: Proceedings of the Lenin Academy of Agricultural Sciences of the U.S.S.R., July 31–August 7, 1948. New York (16): International Pubs., 1949. Pp. 636. \$5.00.