

oil, but not for castor oil. Experiments showed that the use of tragacanth in combination with acacia was of no advantage if the emulsions were made with a mortar and pestle. From the results of viscosity determinations, it appears that the beneficial results obtained by addition of tragacanth in certain cases are due to factors other than viscosity alone.

#### REFERENCES

- (1) Husa, William J., and Becker, Charles H., "Pharmaceutical Emulsions. I. A Study of the Continental Method," *JOUR. A. PH. A.*, 30 (1941), 83.
- (2) Husa, William J., and Becker, Charles H., "Pharmaceutical Emulsions. II. A Study of the English Method," *Ibid.*, 30 (1941), 114.
- (3) Husa, William J., and Becker, Charles H., "Pharmaceutical Emulsions. III. A Comparative Study of Various Mechanical Stirrers and the Hand Homogenizer," *Ibid.*, 30 (1941), 141.
- (4) Rowson, J. M., *Quart. J. Pharm. Pharmacol.*, 10 (1937), 404.
- (5) Smith, E. L., and Hazley, V., *Ibid.*, 3 (1930), 362.
- (6) Serrallach, J. A., Jones, G., and Owen, R. J., *Ind. Eng. Chem.*, 25 (1933), 816.

## Book Reviews

*Chemotherapie bakterieller Infektionen*, by G. DOMAGK and C. HEGLER; the first volume in a series of *Beiträge zur Arzneimittellherapie* edited by L. LENDLE and R. SCHOEN. 185 pp. Hirzel, Leipzig, 1940.

This book by Domagk, the discoverer of prontosil, and by a clinician, Hegler, concerns bacterial chemotherapy with sulfanilamide derivatives and azo dyestuffs. The first half is by Domagk, reviewing the chemistry and experimental chemotherapy of the compounds; the second half by Hegler reviews clinical observations. Mention is made of a sulfanilamide derivative called Mesuden (chemical constitution not disclosed), synthesized by Klarer, effective in animals against *Vibrio septique*, *B. oedematiens* (Novy's bacillus) and the Welch-Fraenkel bacillus (*B. phlegmones emphysematosae*). From book review in *Arch. Pharm. og Chemi.*, 47 (1940), 641.—C. S. L.

*Accepted Dental Remedies*. 6th Edition. Council on Dental Therapeutics. 317 pages, 4<sup>1</sup>/<sub>8</sub> x 7<sup>1</sup>/<sub>4</sub>. 1940. Chicago: American Dental Association, \$1.00.

This volume is published by the American Dental Association and it serves the same general purpose as the *New and Nonofficial Remedies* edited by the American Medical Association. Only those drugs

which are considered of greatest importance in dentistry are included; and the substances which are acceptable to the American Dental Association are listed together with the names of the manufacturers.

A number of general articles have been added. Here the pharmacist has an access to many dental formulas which should result in a better coöperation between pharmacists and dentists.—A. G. D.

*Family Expenditures for Medical Care*. Miscellaneous Publication No. 402. U. S. Department of Agriculture in coöperation with the Work Projects Administration, 241 pages, 1941. The Superintendent of Documents, Washington, D. C. Price, 30 cents.

This publication, which is one of a series of consumer purchases studies, is a report of family expenditures for medical care written from data gained in the large scale, government conducted studies. It shows how much farm, village and small city families in different income levels, various localities and a variety of occupations spend for medical care. It includes not only the professional services of physicians, dentists and specialists, but also other items as medicines, drugs, eye-glasses and hospitalization.

The publication contains much of interest to pharmacists, everyone of whom should have a copy in their possession.—A. G. D.

*Useful Drugs*. Edited by ROBERT A. HATCHER. 12th Edition, 268 pages, 4<sup>1</sup>/<sub>4</sub> x 7<sup>1</sup>/<sub>8</sub>, 1940. Chicago: American Medical Association. Price, \$.75.

The American Medical Association has published a pocket-sized booklet to provide the physician with information of drugs which are considered very important in the medical practice. In addition to the incompatibilities, properties, doses, uses and important preparations, descriptions are also given for some official and N. N. R. drugs. Only drugs which would increase the interest of the physician in prescribing drugs of proven therapeutic effects are included. This booklet should also prove of value to pharmacists.—A. G. D.

*Catalysis, Inorganic and Organic*. By SOPHIA BEREMAN, JACQUE C. MORRELL and GUSTAV EGLOFF. xi + 1130 pages, 6 x 9 in., 1940. Published by Reinhold Publ. Corp., New York. \$18.00.

The phenomenon of catalysis is thoroughly reviewed and all phases of catalysis are discussed. In the first half of the book there are chapters on adsorption, inhibitors, carriers, promoters and poisons. Catalytic reactions in inorganic chemistry and the conditions which affect these reactions are also included.

The remaining chapters consider the type reactions of the various catalysts and the applications of catalysts, especially in the petroleum industry. Numerous references are given at the end of each chapter and the catalytic reactions are classified.—A. G. D.