

time the powdered boilable lactic acid milk is added to the water. One hundred cc. of the normal dilution, without additional carbohydrate, contains approximately 3.30 Gm. of protein, 4.55 Gm. of lactose, 3.42 Gm. of butter fat, 0.35 Gm. of free lactic acid; pH 4.5. The nutritive value of 500 Gm. corresponds approximately to 360 calories.

Manufactured by Mead Johnson and Company, Evansville, Ind. No U. S. patent or trademark.

DIPHThERIA TOXOID.—**Diphtheria Antitoxin.**—The toxin of diphtheria modified by the method of Ramon. The work of G. Ramon of the Institut Pasteur has shown that the toxin of diphtheria may be modified by treatment with formaldehyde to reduce its toxicity and yet preserve its antigenic properties.

Action, Uses and Dosage.—Diphtheria toxoid is used for active immunization against diphtheria. It is administered subcutaneously, preferably between the shoulders, in two doses of 1 cc. each, with an interval of three weeks between doses. Since some local and general reactions have been observed in adults and in children over 8 years of age, a test dose of 0.1 cc. of the toxoid diluted with salt solution (1 in 20) should be given to determine susceptibility in these cases.

H. K. Mulford Co., Philadelphia.

Diphtheria Toxoid.—**Anatoxine-Ramon.**—Prepared from broth cultures of diphtheria toxin having an L+ dose of 0.25 cc. or less, diluted with physiologic solution of sodium chloride and free of serum proteins. Diphtheria toxin is treated with formaldehyde at a temperature of from 30 to 40 C. until the toxicity is so destroyed that 5 cc. will not kill a 250 Gm. guinea-pig. It is tested for antigenic power by injection into guinea-pigs of from 0.2 to 0.1 cc.; in one month these animals are given five fatal doses each of diphtheria toxin; if 80 per cent survive four days, the toxoid is considered satisfactory. The finished product is standardized to contain in each cubic centimeter the quantity of toxoid necessary to produce this result. It is marketed in packages of one immunizing treatment containing a 1-cc. vial of diluted diphtheria toxoid for the reaction test and two 1-cc. vials of diphtheria toxoid; and in packages of ten immunizing treatments containing two 1-cc. vials of diluted diphtheria toxoid for the reaction test and twenty 1-cc. vials of diphtheria toxoid.

From *Jour. A. M. A.*, August 4, 1928.

(Continued on p. 950.)

PERSONAL AND NEWS ITEMS.

Dr. Wm. C. Anderson and J. Leon Lascoff, *Chairman* of the Committee on A. PH. A. **RECIPE BOOK**, were missed in Portland. They were absent on account of illness, both are convalescing.

Prof. Robert C. Givier, of Tufts College, delivered the annual banquet address to the mem-

bers of the American Association of Colleges of Pharmacy.

Local Secretary E. F. Carswell and Chairman of the Entertainment Committee J. H. Dow were kept busy and with their co-workers carried through a successful meeting and received the congratulations of the visitors.

E. E. Swanson, of Indianapolis, was awarded the Ebert Prize for his research studies on the preservation and stability of aconite, nuxvomica and gelsemium preparations, extending over a period of several years.

Among the visitors and speakers at the weekly luncheon of the Portland Rotarians were J. H. Dow, E. F. Carswell, President C. W. Johnson, Secretary E. F. Kelly and Charles J. Clayton.

Among those present at the Profile House meeting of the A. PH. A., and in attendance at the Portland meeting were: J. U. Lloyd, Cincinnati; W. L. DuBois, Catskill; J. Allen Tailby, Boston, Mrs. H. M. Whelpley, of St. Louis, Edward Kremers, Madison, Wis.

Editor Hugo Kantrowitz cycled to Portland in 1899 with a number of cyclists, members of the American Wheel Association.

Chairman Robert J. Ruth, of the Pharmacy Week Committee, announced in the Press that the third week of October has become a fixed annual event. This year Pharmacy Week opens on October 14th. Remember and prepare for the occasion, make it representative of the mission of Pharmacy.

Lucius L. Walton, former A. PH. A. and N. A. B. P. President, delivered a radio address at Portland. It was well rendered and well received by the audience.

Veterans of Chicago, New York, Washington, Baltimore, St. Louis, Pittsburgh, Minneapolis and elsewhere, voiced their presence at the Veterans' Luncheon. William B. Day, representative of the veteran of veterans' associations, presided. A Round Robin Greeting was sent to Veteran Wilhelm Bodemann, who is tireless in his efforts to have the influence of "Gemüthlichkeit" reach every city. He delivered his message to the Section on Historical Pharmacy.

Dr. F. E. Stewart, of Philadelphia was elected Honorary President of the A. PH. A. for the ensuing year.

Alumni of the Schools of Pharmacy represented at the meeting met at luncheon. Their respective members and the Alumni exchanged courtesies conveying greetings of one Association to the other.

E. L. Newcomb had a busy month. August 13th, in Boston, he attended a meeting of the National Research Council committee on botany and pharmacognosy, of which he is a member. While in Boston, he had several conferences with Sewall Cutler, President of the N. W. D. A., on the annual convention to be held in October at Atlanta. He attended the Plant Science Seminar of which he is the founder; the Conference on Pharmaceutical Research and the earlier meetings in Portland. Then he went to Toronto as the delegate of the A. Ph. A. to the Canadian Pharmaceutical Association and was one of the principal speakers. He discussed the work of the Druggists Research Bureau. Plans are under way for the publication in French of some of this publicity.

The Canadian Pharmaceutical Association considered the publication of a Canadian Formulary and coöperation with the National Formulary Committee is contemplated.

Dr. K. K. Chen, Associate in Pharmacology of the Johns Hopkins University, was awarded a prize of \$2000.00, Mexican, for his researches on ephedrine and other Chinese drugs, by the China Foundation for the Promotion of Education and Culture.¹ During the recent Congress of the International Anesthesia Research Society in Madison and Minneapolis, Dr. Chen's name, together with that of Professor Walter J. Meek, was listed in the Scroll of Recognition for their "laboratory studies leading to the clinical use of ephedrine in occidental medicine, surgery and anesthesia." Dr. Chen is a member of the AMERICAN PHARMACEUTICAL ASSOCIATION and quite a number of his contributions have appeared in the JOURNAL.

Dean E. V. Howell is in France engaged in historical research. He will remain for some time, having been granted leave of absence for the completion of the work he has undertaken.

Edwin S. Sater, for a number of years Associate Publicity Director and efficient worker among students in Pharmacy schools and colleges, in the interest of the A. Ph. A. Headquarters, has become associated with the Western Company of Chicago, Ill. He will head the Business Research Department in the promotion of sales of "Dr. West's Tooth Brush."

The news cited has come to this department just before closing these columns and too late for a more extended notice. Mr. Sater has

¹ For the organization of this Foundation, see E. V. Cowdry, *Science*, LXV (1927), 150.

made friends among the student body of the institutions he visited; his happy way of approach imbued with the spirit of fraternity, enabled him not only to interest the students in the headquarter's project, but made them better acquainted with the ASSOCIATION, its aims and purposes.



ENRIQUE A. GONZÁLEZ-FLOREZ.
University of Porto Rico.

Winner of the 1928-1929 Fairchild
Scholarship.

PUBLIC HEALTH MEETINGS.

The fifty-seventh annual meeting of the American Public Health Association, which will be held at Hotel Stevens, in Chicago, Oct. 15-19, 1928, promises to equal, and may exceed, any previous meeting in attendance, interest and scientific value. The local committee for the Chicago meeting has planned generously for trips of scientific and general interest, for entertainment for delegates, and the meeting of the American Public Health Association will be enriched by the presence of many members of nine other related organizations.

SOURCE OF BALSAM OF PERU RANKS FOURTH AMONG SALVADOR'S EXPORTS.

The erroneous commercial name, Balsam of Peru, is said to have originated from the fact that shipments of balsam from Salvador first reached Spain in vessels which called en route at Peruvian ports.