

# EDITORIAL NOTES

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## OMISSIONS IN THIS NUMBER OF THE JOURNAL.

On account of the inclusion of articles elsewhere it has been found necessary to condense or omit items in the several divisions which follow.—EDITOR.

### THE SHIP'S MEDICINE CHEST AND FIRST AID AT SEA.

The medical handbook for merchant seamen, first issued in 1881, has been amplified and reprinted, dedicated to the American merchant seamen, "at whose behest the marine hospitals were first established in the year 1798, and whose history as a patient of the Public Health Service is a record of the progress of medicine and sanitation in the United States."

Surgeon-General H. S. Cumming believes that the book will be even more useful than heretofore, because recently ship's officers, as a condition to obtaining their licenses, have been required to know medical first-aid principles. The growing custom of ships at sea to radio for medical advice from marine hospitals and other relief stations of the Public Health Service has also made it necessary to standardize medical equipment. This matter is covered in the handbook, together with valuable advice useful in such emergencies as poisoning, bleeding, suffocation, fractures, dislocations, burns, electric shock, fits, wounds, etc., which not infrequently occur on the 10,000 merchant vessels registered by the Department of Commerce, the great majority of which do not carry medical officers. A copy of "Ship's Medicine Chest and First Aid at Sea" may be obtained by the master of any documented

American merchant vessel upon his request to the Public Health Service. The book may also be purchased from the Superintendent of Public Documents, Government Printing Office, Washington, D. C., at 75 cents per copy—U. S. currency or money order is required.

### *p*-HYDROXY ESTERS OF BENZOIC ACID.

*Preserving Power, Detection and Pharmacological Action of p-Hydroxy Benzoic Acid Esters.* Th. Sabalitschka. *Chem.-Ztg.*, 53 (1929), 443.

The esters of *p*-hydroxybenzoic acid are used as preservatives of various substances under the names "Nipagi, Nipasol, Nipacombin and Solbrol" very extensively at the present time. Experiments showed that their harmless action increases from the methyl to the propyl ester and in regard to preserving power and effectiveness in man the methyl ester is 8 times, the ethyl ester 17 times and the propyl ester 35 times more active than benzoic acid. The use of esters of *p*-hydroxybenzoic acid for preservation of a great number of substances, also as food-preservatives, seems to be more advantageous than that of other known antiseptics.—T. H.—*Squibb Abstract Bulletin*, June 26, 1929.

### STAINLESS STEEL PROPERTIES.

*Studies in Stainless Steel.* I. Y. Kawakami. *J. Army Research Staff, Iron and Steel*, 14 (1928), 838.

The author classified 48 kinds of steel into 8 types, according to their chemical composition. No alloys containing 15% showed any thermal expansion, while those with 5% nickel were found to be paramagnetic with an austenitic structure. With quenched speci-

mens, the hardness was greatest when the carbon content was above 0.3%, the chromium content above 11%, or in samples having less than 11% chromium and less than 4% tungsten. Unlike the austenitic structure steels, hardness of the martensitic steels was effected by tempering. With an annealing temperature of 1000° in the latter case, maximum hardness was obtained due to self-hardening. When heat-treated and untreated specimens were subjected to the action of various acid solutions for 1-15 days it was found that the resistance of the treated steel was always greater; when rolled, the corrosion was found to be greater in the direction of rolling than that perpendicular to it. It was also evident that in the same kind of specimens the resistance decreases with increase in inclusions.—J. P.—*Squibb Abstract Bulletin* (June 26, 1929).

#### NEW AND NONOFFICIAL REMEDIES.

The following additional articles have been accepted as conforming to the rules of the Council on Pharmacy and Chemistry of the American Medical Association for admission to New and Nonofficial Remedies. A copy of the rules on which the Council bases its action will be sent on application.

W. A. PUCKNER, *Secretary*.

**BOTHROPS ANTITOXIN.**—An antitoxic serum prepared by immunizing animals against the venom of the tropical American serpents of the genus *Bothrops*.

*Actions and Uses.*—Evidence has accumulated to show that the venom of certain snakes may be neutralized by the employment of a serum obtained from animals that have been injected with venom from a snake of the same family. Bothrops antitoxin is used to neutralize the venom injected by the bite inflicted by members of the genus *Bothrops*.

*Dosage.*—The serum is administered intramuscularly or subcutaneously; in cases seen late or in the presence of severe symptoms it may be administered intravenously.

H. K. Mulford Company, Philadelphia.

*Antivenin (Bothropic).*—*Tropical American Anti-Snake-Bite Serum.*—An antitoxic serum prepared by injecting horses with venom from serpents of the genus *Bothrops*, especially of the "Fer-de-Lance" (*Bothrops atrox*). It is claimed to have neutralizing effect against the venom of the genus represented. The venom is extracted and promptly deacidated. It is dissolved in saline glycerin solution and injected subcutaneously into horses in fractional, gradually increasing doses until immunity has been established. The horses are bled and, after separation, the plasma is concentrated by a salting out process. Potency is determined by tests on pigeons, the maximum amount

of venom neutralized by 1 cc. of the serum being taken as the titer of the product; this quantity must neutralize at least 2 mg. of the venom when tested on pigeons, mice and rabbits.

Marketed in syringes of 10 cc. (a single dose).

**EPHEDRINE HYDROCHLORIDE** (See New and Nonofficial Remedies, 1928, p. 175).

**Ephedrine Hydrochloride-Lilly.**—A brand of ephedrine hydrochloride-N. N. R.

Manufactured by Eli Lilly & Company, Indianapolis. No. U. S. patent or trademark.

*Pulvules Ephedrine Hydrochloride-Lilly*,  $\frac{1}{8}$  grain.  
*Pulvules Ephedrine Hydrochloride-Lilly*,  $\frac{1}{4}$  grain.  
*Solution Ephedrine Hydrochloride-Lilly*, 3%: It is preserved with chlorbutanol, 0.5 per cent.

**EPHEDRINE HYDROCHLORIDE-SQUIBB** (See *Jour. A. M. A.*, Sept. 1, 1928, p. 645).

The following dosage forms have been accepted:

*Tablets Ephedrine Hydrochloride-Squibb*,  $\frac{1}{8}$  grain.  
*Tablets Ephedrine Hydrochloride-Squibb*,  $\frac{1}{4}$  grain.

**MACDOWELL'S WHEAT-NUT-CASEIN DIETETIC FLOUR.**—A flour prepared from wheat, edible nuts and casein, to which has been added a leavening mixture composed of potassium bitartrate and sodium bicarbonate and sodium chloride as flavoring. The product has approximately the following composition:

protein, 28.67; carbohydrate, 28.68; fat, 18.69; ash, 5.64; fiber and pentosans, 7.59; and water, 8.49.

*Actions and Uses.*—MacDowell's wheat-nut-casein dietetic flour is proposed for use in the dietetic treatment of diabetes and wherever restriction of carbohydrate in the diet is desired. The nutritive value of 500 Gm. of MacDowell's wheat-nut-casein dietetic flour corresponds approximately to 2190 calories, of which 588 are yielded by protein, 696 by carbohydrate, and 906 by fat.

Manufactured by MacDowell Brothers, Ogdensburg, N. Y. No U. S. patent. U. S. trademark 202,030.

**TUBERCULIN-KOCH** (See New and Nonofficial Remedies, 1928, p. 368).

H. K. Mulford Company, Philadelphia.

*Pirquet Test for Tuberculosis (Bovine Type).*—Old tuberculin (bovine type) marketed in capillary tubes, put up in packages, respectively, of one tube (M 228-046), two tubes (M 228-047), and ten tubes (M 228-048); a corresponding number of tubes containing concentrated glycerin bouillon for use as a control is included in each package.

*Tuberculin Ointment (Moro Ointment) (Bovine Type).*—An ointment (M 341-049) containing 50 per cent of tuberculin "Old" (bovine type) with an equal part of hydrous wool fat.

*Tuberculin Intracutaneous (Bovine Type).*—Marketed in single packages (M 332-050) of one intradermal syringe containing tuberculin old "O. T." (bovine type), 0.2 mg. in physiological solution of sodium chloride, 0.05 cc.; in packages (M 332-051) of five intradermal syringes each containing tuberculin old "O. T." (bovine type), 0.2 mg. in physiological solution of sodium chloride; and in single vial packages (M 332-028) containing old tuberculin "O. T." (bovine

type), 0.012 Gm. in physiological solution of sodium chloride, 3 cc. (sufficient for 50 tests).

From *Jour. A. M. A.* for January 19, 1929.

**CONCENTRATED LIVER EXTRACT-ARMOUR.**—A solution of a water-soluble fraction extracted from fresh mammalian liver. One hundred cc. represents fresh liver, 787 Gm. (1 fluidounce represents 8 ounces avoirdupois).

*Actions and Uses.*—Concentrated liver extract-Armour is used in the treatment of pernicious anemia. Its value in other types of anemia has not been established.

*Dosage.*—Concentrated liver extract-Armour is administered orally. The average dose is 15 cc. (4 fluidrachms) three times daily, mixed with orange juice or milk.

Manufactured by Armour and Company, Chicago. No U. S. patent or trademark.

Concentrated liver extract-Armour is made by the process developed by Dr. K. K. Koessler and his co-workers, Drs. M. T. Hanke and Siegfried Maurer in the laboratory of the Otho S. A. Sprague Memorial Institute at the University of Chicago. Fresh livers still retaining the animal heat are finely minced and macerated with three volumes of water. The coagulable proteins are removed by heat and the liquid is condensed at low temperature and negative pressure. The resulting extract is treated with hot 85 per cent alcohol under a reflux condenser and the soluble fraction separated by filtration. The clear filtrate is evaporated to dryness in vacuo and the residual extract dissolved in sufficient distilled water containing 20 per cent of alcohol so that 100 cc. represents 787 Gm. of fresh liver.

**DEXTROSE** (See New and Nonofficial Remedies, 1928, p. 244).

The following dosage forms have been accepted:

*Ampules Dextrose, U. S. P., 10 Gm., 20 cc.*: Each ampule contains dextrose, U. S. P., 10 Gm., in distilled water, 20 cc.; buffered with sodium glycerophosphate, 0.03 per cent.

Prepared by the Abbott Laboratories, North Chicago.

*Ampules Dextrose, U. S. P., 25 Gm., 50 cc.*: Each ampule contains dextrose, U. S. P., 25 Gm., in distilled water, 50 cc.; buffered with sodium glycerophosphate, 0.03 per cent.

Prepared by the Abbott Laboratories, North Chicago.

**POLLEN ALLERGEN SOLUTIONS-SQUIBB** (See New and Nonofficial Remedies 1928, p. 31).

The following products, marketed in 5 cc. vials, have been accepted:

*Dandelion Pollen Allergen Solution-Squibb; English Plantain Pollen Allergen Solution-Squibb; Goldenrod Pollen Allergen Solution-Squibb; Perennial Rye Grass Pollen Allergen Solution-Squibb; Ragweed (Dwarf) Pollen Allergen Solution-Squibb; Ragweed (Giant) Pollen Allergen Solution-Squibb; Red Top Pollen Allergen Solution-Squibb; Russian Thistle Pollen Allergen Solution-Squibb; Sunflower Pollen Allergen Solution-Squibb.*

The following products are also marketed in 5 cc. vials:

*Bermuda Grass Pollen Allergen Solution-Squibb; June Grass Pollen Allergen Solution-Squibb; Mugwort Pollen Allergen Solution-Squibb; Orchard Grass Pollen Allergen Solution-Squibb; Sagebrush Pollen Allergen Solution-Squibb; Western Ragweed Pollen Allergen Solution-Squibb.*

Prepared by the method given for pollen allergen solutions-Squibb (New and Nonofficial Remedies, 1928, p. 31).

**CINCHOPHEN** (See New and Nonofficial Remedies, 1928, p. 123).

The following dosage form has been accepted:

*Tablets Cinchophen-Abbott, 5 grains.*

Prepared by the Abbott Laboratories, North Chicago.

**SULPHARSPHENAMINE-SQUIBB** (See New and Nonofficial Remedies, 1928, p. 84).

The following dosage form has been accepted:

*Sulpharsphenamine-Squibb, 0.9 Gm. Ampules.*

From *Jour. A. M. A.* for January 26, 1929.

## PERSONAL AND NEWS ITEMS.

W. Bruce Philip recently traveled eastward to receive the award of the Master of Pharmacy degree from the Philadelphia College of Pharmacy and Science, and spoke at a number of pharmaceutical meetings on his way to the Pacific Coast, and attended the meetings of the Illinois Pharmaceutical Association and Wisconsin Pharmaceutical Association and shared the hospitalities of the Kansas City retail druggists.

May 29, 1829, Sir Humphrey Davy died in Geneva. As a youth he was apprenticed to John Bingham Borlase, an apothecary of Penzance. Sir William Tilden, in an appreciation of Davy's life, speaks of the precocious genius which lifted the apprentice to a position among the greatest scientific discoverers.

Charles Jeleff Carr, of Baltimore, participated in the Prize Essay Contest of the American Chemical Society and received the state prize for writing one of the best essays on chemistry in health and disease. He again entered the contest and succeeded in winning the state prize (in each case \$20). Mr. Carr's essay was brought before the National Committee and his work was considered suitable for the winning of the National Garvan Prize. This prize consists of a four-year scholarship to any recognized university in the United States, with \$2000.00 cash for maintenance during the four collegiate years.

Although still a youth of 19, Mr. Carr has exhibited a number of interesting characteristics which, if properly developed, are destined to carry him far into his chosen field of endeavor, namely, pharmaceutical chemistry. He has the capacity of paying attention to small details, minor irregularities, and behavior of chemical reactions, and has developed two great characteristics necessary for success in science, patience and accuracy.

During the past two years, Mr. Carr has been employed in the Pharmaceutical Research Laboratory of Sharp and Dohme. He is at present undecided as to whether he will pursue courses leading to the degree of Bachelor of Science in Pharmacy in the School of Pharmacy of the University of Maryland, or whether he will enter courses leading to the degree of Bachelor of Arts in Chemistry in the Johns Hopkins University, and then for his graduate work specialize in chemistry as it is related to pharmacy. With men of this type entering the field of pharmacy, we feel that the future advance of any line of endeavor lies wholly within the perspicacity of its participants.—J. C. K., Jr.

Dr. John Jacob Abel, Professor of Pharmacology at the Johns Hopkins University, has been awarded the gold medal of the Society of Apothecaries of London. This Society is now about three hundred years old. Dr. Abel is widely known for his research on the effects of drugs, his work on the ductless glands and on insulin. Former Vice-President, Charles Dawes, will receive the medal for Dr. Abel.

Dr. Heber W. Youngken has returned from the South where he sought first-hand information as to what is being gathered as Black Haw, *Viburnum prunifolium*, Shonny Haw, etc. He brought back considerable material for research and a large number of southern plants for the herbarium.

The *Journal of the American Medical Association* reports that at the Diamond Jubilee of the city of Rochester, Minnesota, the Olmsted County Business Men's Association on June 11th placed a tablet which was inscribed "as a tribute to Rochester's most illustrious citizens, William James Mayo, Charles Horace Mayo, surgeons, scientists, lovers of their fellowmen." The Mayos were guests of honor also on June 6th at a testimonial dinner, given by the faculty of the clinic and foundation. The faculty voted to establish an annual W. J. and C. H. Mayo lectureship, to be delivered in Rochester by a member of the faculty on a subject related to some contribution which the Mayo family had made to the advancement of medicine. Dr. Charles Mayo will be a speaker at the Rapid City meeting of the AMERICAN PHARMACEUTICAL ASSOCIATION.

Leonard A. Seltzer was awarded the honorary degree of Doctor of Science by the College of the City of Detroit. The following was the citation:

"Leonard A. Seltzer a pharmaceutical scientist of national reputation, graduated from the University of Michigan with the class of 1892. He has been honored twice previously by institutions of higher learning, in recognition of his scientific work in connection with the revision of the 9th and 10th United States Pharmacopœia and the 4th and 5th editions of the National Formulary. He has developed a successful business without losing his interest in scientific research."

Charles O. Lee, of Purdue School of Pharmacy, has been granted a year's leave of absence to complete his work for the doctorate at the University of Wisconsin School of Pharmacy.

Dr. H. M. Burlage, of Corvallis, Ore., will substitute for Professor Lee, during his absence, at Purdue University.

Dr. Harold G. Hewitt, of University of Buffalo, sailed June 7th for Europe. Edward L. Schwabe, Lewis G. Freeman, Donald Kumro and Margaret C. Swisher have been added to the faculty of the University of Buffalo.

Announcement has been made of the marriage of Miss Anna Elsa Focke, of London, England, to F. W. Nitardy of Brooklyn. The ceremony took place at The Parish Church, Hampstead, London, June 1st. Mr. and Mrs. Nitardy have returned and are at home at 2 Grace Court, Brooklyn.

Joseph G. Noh, Executive Secretary of the Pennsylvania Pharmaceutical Association, and Editor of the *Pennsylvania Pharmacist* since 1926, has resigned these positions to become manager of Retail Druggists' Research Department of McKesson & Robbins, Inc. He will be engaged in aiding in the organization of retailers to enforce their rights and to cooperate in providing means of combating unfair trade practices and retail price abuses.

The Pennsylvania Pharmaceutical Association passed commendatory resolutions and tendered a vote of confidence and appreciation to the retiring Secretary-Treasurer, expressive of his valued services.

Dr. Paul S. Pittenger has been named as Chairman of the Board of Control of the American Drug Manufacturers' Association. His associates are Messrs. Murray, Hopkins, Leonhardt, Taylor and Widden.

S. B. Penick, President of the American Drug Manufacturers' Association, sailed on July 2nd to spend two months in Europe. He is accompanied by Mrs. Penick, their daughter and son.

Russell T. Blackwood has been elected to succeed the late Frank R. Rohrman as president of the Philadelphia Wholesale Drug Company.

**OBITUARY.**

**JAMES DIXON NUTT.**

James D. Nutt, member of the AMERICAN PHARMACEUTICAL ASSOCIATION, died suddenly at his home in Wilmington, N. C., July 2nd, aged 70 years. Mr. Nutt was born in Wilmington and had resided there during all of his life. He formerly conducted the well-known Nutt drug store and for a number of years prior to his demise was the proprietor of Munds'

Pharmacy. We quote from an editorial of the home paper in saying that the deceased never lost an opportunity to champion the cause and the welfare of Wilmington. His life was a noble example of civic pride and intense loyalty. He went his way quietly, devoted to his family, friends and city. He was an inspiration in a great many ways to those with whom he came in contact.

The funeral was largely attended.

The deceased is survived by his widow and one daughter, Mrs. W. E. Crews. He was a prominent member of the Knights of Pythias and a member of the Episcopal church.

Mr. Nutt was very much interested in the progress of the Headquarters A. Ph. A.

**SOCIETIES AND COLLEGES.**

**THE RAPID CITY MEETING OF THE AMERICAN PHARMACEUTICAL ASSOCIATION.**

The time for the meetings in Rapid City is fast approaching. The General Program of the ASSOCIATION is given under "Association Business" of this issue of the JOURNAL.

The program of the American Association of Colleges of Pharmacy follows in this Department.

The names of the chairmen of the Local Committees follow and also a partial list of the entertainment features.

**HOTELS—RAPID CITY.**

**Alex Johnson Hotel—Headquarters.**

Rooms with running water \$1.75 and \$2.00, single.

Rooms with connecting bath and toilet, \$2.50 to \$4.50, single.

Rooms with private bath and toilet, \$3.00 to \$5.00, single.

Two-Room Apartments, \$9.00, single.

**Patton Hotel.**

Rooms with running water, \$1.00 to \$2.50, single.

Rooms with bath, \$2.00 to \$3.00, single.

**Harney Hotel.**

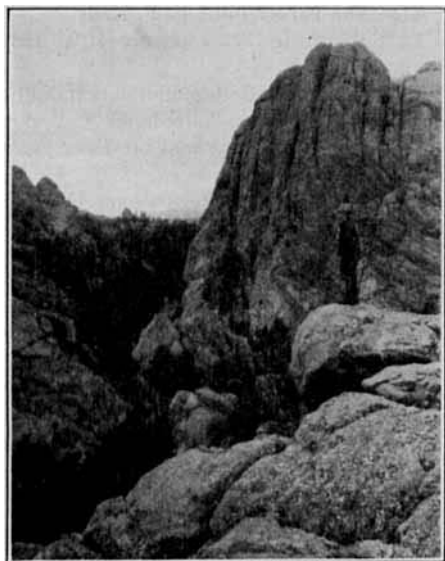
Rooms without bath, single, \$1.25 per day up. Double, \$2.75 per day up.

Rooms with bath, single, \$2.50 per day up. Double, \$4.50 per day up.

Meals a la carte.

**CHAIRMEN OF LOCAL COMMITTEES.**

- Executive..... F. W. Brown
- Entertainment..... C. L. Doherty
- Finance..... R. H. Ottman
- Hotels..... Charles Fallon
- Information..... Charles Hunt
- Publicity (National)..... George A. Bender
- Publicity (Local)..... R. L. Bronson
- Reception (General)..... C. B. Baldwin



Mount Rushmore, Black Hills. Here the gigantic busts of Washington, Jefferson, Lincoln and Roosevelt are being carved.

The program of the National Association of Boards of Pharmacy is given in the Department of that organization.