

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Compiled by A. G. DuMez, Reporter on the Progress of Pharmacy.

All articles in these lists will be presented in abstract form in the bound volumes of the YEAR BOOK, which is issued annually. Those desiring abstracts immediately can obtain them for a fee of one dollar each by communicating with A. G. DuMez, University of Maryland, School of Pharmacy, N. E. Cor. Lombard and Greene Sts., Baltimore, Md.

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Review of the sixth supplement to the French Pharmacopœia
J. pharm. Belg., 10 (1928), 513, 529, 545

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Boll. chim.-farm., 67 (1928), 194; through *Pharm. Ztg.*, 73 (1928), 880
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Determination of synthetic camphor in pharmaceutical preparations
J. pharm. chim., 8 (1928), 49
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Compound tincture of benzoin
Pharm. J., 121 (1928), 86
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Detection of arsenic in iron preparations according to the German Pharmacopœia VI
Apoth. Ztg., 43 (1928), 921

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Mercury ointment
Pharm. J., 121 (1928), 85
- Freeman, Lewis G.
Digitalis preparations for intravenous injection
Am. J. Pharm., 100 (1928), 463
- Jones, J. M., et al.
Malt extract and oil emulsions
Pharm. J., 121 (1928), 91
- Liverseege, J. F.
Infusion of senega
Pharm. J., 121 (1928), 90
- Meyer, Walter
Investigation of tincture of valerian
Pharm. Ztg., 73 (1928), 980
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Quantitative determination of camphor in spirit of camphor
Pharm. Zentralh., 69 (1928), 499
- Warnecke, G.
Unguentum Hydrargyri Albi and Unguentum Hydrargyri Flavum
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Evaluation of liver extract in the treatment of anemias
J. A. M. A., 91 (1928), 242
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Pharmacodynamic study of ephedrine
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Aid in the prevention of acid arsphenamine administration
J. A. M. A., 91 (1928), 320
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Sutton, Don C.

Acute yellow atrophy of the liver following the taking of cinchophen

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Anon

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Brindle, Harry

Comparison of the adsorptive power of medicinal charcoals

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New test for the activity of medicinal and other charcoals

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Caines, Charles M., and Evers, Norman

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Cheyamol, Jean

Chemistry of *Geum urbanum* root

Schweiz. Apoth. Ztg., (1928), No. 23; through *Pharm. Ztg.*, 73 (1928), 923

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NARCOTIC ADDICTION.

Dr. P. Wolff, co-editor of the *Deutsche medizinische Wochenschrift*, and also a pharmacist, has published a series of articles dealing with the drug-habit and the "Opium-Gesetz" in all its medical and legal aspects. (*Apotheker Zeitung*, 1927, No. 17-20, also 1928, No. 22.) In the latter article he gives the results of an inquiry about the treatment of drug addicts in asylums, university clinics and private sanatoria. According to his statement "Trivalin" was responsible for thirty, "Heroin" for forty-five, "Eukodal" for eighty-three, "Dicodid" for seventeen, "Dilaudid" for eight, "Eumekon" for twenty-seven, "Pantopon" for fifty-nine, "Laudanon" for twelve, "Holocon" for two, "Paramorphan" for one, "Opium and Opium Tincture" for nineteen.

ERGOT—ASSAY OF LIQUID EXTRACT OF ERGOT.

P. Fischer and P. Horkehimer; *Süddeut. Apoth.-Ztg.*, No. 7 (1928); through *Pharm. Ztg.*, 73, 390 (1928); *Quarterly J. Pharm.*, 218 (1928), No. 2; through *Squibbs Bulletin*, August 22, 1928.

The following method for the estimation of alkaloid is given: 80 Gm. of the liquid extract is evaporated to a syrup at about 40° C.; this is transferred to a suitable 500-cc. vessel, washing out the distillation flask thrice with 10 cc. of water. The aqueous extract is now shaken with 3 Gm. of calcined magnesia and then 175 Gm. of ether is added, the whole shaken and set aside for an hour to separate. After the addition of 4 Gm. of tragacanth, it is vigorously shaken once more and filtered, collecting 150 Gm. (equals 60 Gm. of the fluidextract) of

the ethereal layer in a separator, this is now dealt with exactly according to the official method for ergot.

NEW ERGOT CROP—SPAIN AND PORTUGAL.

A cable from the Barcelona office of the Bureau of Foreign and Domestic Commerce states that it is estimated that the new crop of Spanish ergot will equal 100 tons, and the Portuguese 60 tons.

According to Consul W. H. McKinney, Vigo, a great deal of the ergot exported from Vigo, Spain, comes originally from Portugal. The Portuguese exporters do not appear to handle this business themselves.

BOTANICAL DRUG BOARD OF RESEARCH COUNCIL.

The committee on botany and pharmacognosy of the National Research Council met August 15th in Boston under the chairmanship of Dr. H. W. Youngken of the Massachusetts College of Pharmacy. Prof. E. N. Gathercoal, University of Illinois, is Secretary, and other members are Dr. E. L. Newcomb, Secretary of the N. W. D. A.; Dr. H. H. Rusby, Columbia University and Dr. W. W. Stockberger, United States Bureau of Plant Industry.

The committee has approved the preparation for publication of extensive research work on inorganic constituents of vegetable drugs by Dr. Newcomb and Prof. E. B. Fisher, University of Minnesota. The committee reported progress on the work under the direction of Dr. Rusby in connection with a study of new drugs from South American plants.