

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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APPARATUS AND MANIPULATIONS.

- DeGray, Richard J.
New surface tension balance
Ind. Eng. Chem., Analyt. Edit., 5 (1933), 70
- Pabst, F.
Examination of new ointment containers
Pharm. Ztg., 78 (1933), 49
- Quick, Armand J.
Continuous extractor
Ind. Eng. Chem., Analyt. Edit., 5 (1933), 76

PHARMACOPŒIAS AND FORMULARIES.

- Harms, Herbert
Review of the new Spanish Pharmacopœia
Apoth.-Ztg., 48 (1933), 77

PHARMACEUTICAL PREPARATIONS.

- Becker, H. E., and Nitardy, F. W.
Notes on the preparation of aromatic fluid-extract of cascara sagrada
JOUR. A. PH. A., 22 (1933), 43
- Berry, H.
Liquor Cresolis Saponatus B. P.
Pharm. J., 129 (1932), 521
- Dale, H. N.
Keratin and other coatings for pills
Pharm. J., 129 (1932), 494
- Dickey, V. L., and Nitardy, F. W.
Tincture of nux vomica
JOUR. A. PH. A., 22 (1933), 40
- Dyer, F. J.
Arsenical Solution, B. P.
Pharm. J., 129 (1932), 559
- Grimme, Clemens
"Ertrate," a new highly active form of pharmaceutical preparation. III
Pharm. Zentralh., 74 (1933), 17
- Iacobaens, H.
Solution of morphine citrate for subcutaneous and intravenous injections
Arch. Farm. og Chem., 39 (1932), 625
- Jones, A. J.
Ferri Carbonas Saccharatus
Pharm. J., 130 (1933), 25

- Krantz, John C., Jr., and Munch, James C.
Extraction and hydrogen-ion concentration of tincture of digitalis
JOUR. A. PH. A., 22 (1933), 14
- Kroeber, Ludwig
Fluidextract of Gnaphalium diocccum
Pharm. Zentralh., 74 (1933), 39

PHARMACOLOGY, TOXICOLOGY AND THERAPEUTICS.

- Hosford, George N., and McKenney, John P.
Use and abuse of ointment of yellow mercuric oxide
J. A. M. A., 100 (1933), 17
- Laborde, E., and Duquenois, P.
Fatal case of veronal poisoning
J. pharm. chim., 16 (1932), 479
- Lapenta, Vincent A.
Physiological assay of glucosides, toxins and poisons on gold fish, *Carassius auratus*
Proc. Indiana Acad. Sci., 41 (1932), 445; through *Chem. Abstr.*, 27 (1933), 371
- Lauter, W. M., *et al.*
Preparation, toxicity and absorption of bismuth compounds. II. Bismuth salts of aliphatic hydroxy acids. III. Iodobismuthates of alkaloids
JOUR. A. PH. A., 22 (1933), 28, 32
- Schamberg, J. F., and Kolmer, J. A.
Toxicity and physical properties of neoarsphenamine of different manufacture
J. A. M. A., 100 (1933), 180
- Schmidt, S.
Action of certain organic compounds upon diphtheria toxin
Dansk Tids. Farm., 7 (1933), 1
- Stasiak, A.
Biological assay of squills and strophanthus tinctures by different methods
Arch. Pharm., 270 (1932), 385
- Swoap, O. F., *et al.*
Assay and deterioration of ergot preparations
JOUR. A. PH. A., 22 (1933), 8
- Tabern, D. L., and Shelberg, E. F.
Physico-chemical properties and hypnotic action of substituted barbituric acid
J. Am. Chem. Soc., 55 (1933), 328

Velthorst, H.

Antiseptic action of certain p -hydroxybenzoic acid esters

Pharm. Monatsh., 13 (1932), 199; through *Chem. Abstr.*, 27 (1933), 162

Veraart, A. G., and Drenth, Joh. B.

Comparison of antiseptic value of 5% tincture of iodine with that of other antiseptics

Nederland. Tijdschr. Geneeskunde, 76 (1932), 4096; through *Chem. Abstr.*, 27 (1933), 161

Wieczorkowski, John, and Darbaker, L. K.

Therapeutic action of *Pyricularia Oleifera*

JOUR. A. PH. A., 22 (1933), 45

BOTANY AND PHARMACOGNOSY.

Christensen, B. V.

Alcohol-soluble extractive of benzoin, myrrh and asafetida

JOUR. A. PH. A., 22 (1933), 18

Clark, E. P., and Keenan, G. L.

Occurrence of dehydrodeguelin and dehydrotoxicarol in some samples of *Derris* root

J. Am. Chem. Soc., 55 (1933), 422

Jones, Howard A., and Smith, Charles M.

Color test for rotenone.

Ind. Eng. Chem., Analyt. Edit., 5 (1933), 75

Listray, Denise

Color reaction for cantharidin

J. pharm. Belg., 15 (1933), 1

Lobstein, J. E., and Weill, A.

Falsification of sarsaparilla

Bull. sci. pharmacol., 39 (1933), 657

Rende, G.

Beam's reaction for *Cannabis indica*

Ann. fals., 25 (1932), 332; through *J. Soc. Chem. Ind.*, 51 (1932), 1136

Rosenthaler, L.

Identification of organic compounds IX

Pharm. Ztg., 78 (1933), 23

ALKALOIDS AND GLUCOSIDES.

Amelink, F.

Microchemical identification of alkaloids

Pharm. Weekbl., 70 (1933), 2

Anon.

"Chi-Shi-Hu" and the determination of alkaloids in some *Dendrobium* Species

J. pharm. Soc. Japan, No. 609 (1932), 163

Dick, Lester C.

Method for the determination of alkaloid or total alkaloids in coated or uncoated tablets

JOUR. A. PH. A., 22 (1933), 24

Ekkert, Lad.

New reaction for the identification of papaverine

Pharm. Zentralh., 74 (1933), 24

Elgazin, S.

Separation of alkaloids by means of buffer mixtures

Khim. Farm. Prom., 6 (1932), 128; through *Chem. Abstr.*, 27 (1933), 372

Goryianova, N. S.

Determination of theobromine

Khim. Farm. Prom., 6 (1932), 225; through *Chem. Abstr.*, 27 (1933), 372

Haag, H. B.

Further observations on the bromine method for the estimation of alkaloids

JOUR. A. PH. A., 22 (1933), 21

Sanchez, Juan A.

New reaction and determination of procaine

Sémana med. Buenos Aires (1932), II, 807; through *Chem. Abstr.*, 27 (1933), 165

Sticht, Gustave A.

Determination of a small amount of strychnine in presence of larger quantities of quinine and cinchonidine

JOUR. A. PH. A., 22 (1933), 22

ESSENTIAL OILS.

Dodge, Francis D.

New molecular compounds of eucalyptol

JOUR. A. PH. A., 22 (1933), 20

Ess. Oil Com.

Report on the determination of citronellal

Perf. & Ess. Oil Rec., 23 (1932), 417

ANALYTICAL METHODS AND RESULTS.

Anderson, Arthur K.

Colorimetric method for the determination of tartaric acid

Ind. Eng. Chem., Analyt. Edit., 5 (1933), 19

Bacharach, A. L., et al.

Photographic recording of line test for vitamin D

Ind. Eng. Chem., Analyt. Edit., 5 (1933), 12

Baker, William B.

Assay method for resorcinol pastes

JOUR. A. PH. A., 22 (1933), 25

Beal, George D., and Szalkowski, Chester R.

Melting point of acetylsalicylic acid

JOUR. A. PH. A., 22 (1933), 36

Denigès, Georges

Study of the analytical chemistry of the aspirins

Bull. soc. pharm. Bordeaux, 70 (1932), 235

Feorier, Ch.

Search for a method of analysis to differentiate licorice juice from different sources and to detect adulteration

Pharm. Acta Helv., 7 (1932), 293

- Foncry, J.
Estimation of chlorides, hypochlorites and chlorates in mixtures
Bull. sci. pharmacol., 39 (1932), 675
- Fulton, Charles C.
Test for phenols and for copper
Am. J. Pharm., 105 (1933), 25
- Herzog, J., and Tietz, H.
Determination of the camphor and alcohol content of spirit of camphor
Apoth.-Ztg., 47 (1932), 1592
- Ionesco-Matiu, Al., and Popesco, A.
Determination of the phosphoric and glycerophosphoric ions by the mercurimetric method
J. pharm. chim., 16 (1932), 471
- Jones, Howard A.
Assay of plant material for rotenone content
Ind. Eng. Chem., Analyt. Edit., 5 (1933), 23
- Massagetov, P. S.
Determination of santonin in plants
Arch. Pharm., 270 (1932), 392
- Middleton, G.
Chemical assay of thyroid gland
Analyst, 57 (1932), 603
- Moore, G. H.
Official test for carbonate in sodium and potassium bicarbonates
Pharm. J., 129 (1932), 497
- Morton, C.
Official test for carbonate in sodium and potassium bicarbonates
Pharm. J., 130 (1933), 3
- Schuetts, H. A., and Pauly, R. J.
Determination of the diastatic activity of honey
Ind. Eng. Chem., Analyt. Edit., 5 (1933), 53
- Schulze, Konrad
Assay of the tinctures of aconite, belladonna and hyoscyamus and the extract of aconite
Apoth.-Ztg., 48 (1933), 94
- Thomis, G. N.
Alkali-acidimetric method for the determination of potassium guaiacolsulphonate in syrups
J. pharm. chim., 16 (1932), 516
- Tornow, Elisabeth
Rapid method for testing ointments and chemicals for mercury
Angew. Chem., 45 (1932), 707; through *Chem. Abstr.*, 27 (1933), 371
- Van Giffen, H. J.
Investigation of tablets 17-26
Pharm. Weekbl., 69 (1932), 1444, 1476
- Willard, H. H., and Winter, O. B.
Volumetric method for the determination of fluorine
Ind. Eng. Chem., Analyt. Edit., 5 (1933), 7

ORGANIC COMPOUNDS.

- Beguín, Ch.
Biochemical investigation of the glucides of chamomile flowers
Pharm. Acta Helv., 7 (1932), 332
- Keimatsu, S., et al.
Organic selenium compounds
J. Pharm. Soc. Japan, No. 609 (1932), 155
- Schuster, G.
Contribution to the study of some arylarsinites of thioglycolanilide and their mercury complexes
J. pharm. chim., 17 (1933), 28

CLINICAL METHODS AND TESTS.

- Vitte, G.
Presence and detection of diethylbarbituric acid in cephalo-rachidien fluid
Bull. soc. pharm. Bordeaux, 70 (1932), 255

THE ALCOHOL CONTENT OF SYRUP TOLU, U. S. P.*

BY C. W. BALLARD AND REGINALD MILLER.

It is a common practice in retail pharmacy to use various tolu concentrates for the preparation of Syrup Tolu and the manufacturers of these concentrates usually include, as part of the labeling, formulæ for the manufacture of the syrup. These formulæ state that the resulting product will be Syrup Tolu and in certain instances the legend U. S. P. specifically appears. It is not unreasonable for the practicing pharmacist to expect that by following the formula he will obtain a Syrup Tolu which corresponds to the pharmacopœial requirements, but this expectation is not always realized.

* Section on Practical Pharmacy and Dispensing, A. P. H. A., Toronto meeting, 1932.