

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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PHARMACOPŒAS AND FORMULARIES.

- Gjaldbock, J. K.
Chemicals of the Danish Pharmacopœia, 1933
Arch. Pharm. Chemi., 40 (1933), 543
- Rosenthaler, L.
The Swiss Pharmacopœia V
Pharm. Zentralh., 74 (1933), 579

PHARMACEUTICAL PREPARATIONS.

- Bordeianu, C. V.
Mercury oxycyanide tabules
Arch. Pharm., 27 (1933), 149
- Coppens, Ph. A.
Sterilization of iodoform
Pharm. Weekbl., 70 (1933), 1053
- Focke, C.
Stabilization of digitalis preparations with glycerol
Arch. Pharm., 271 (1933), 248
- Goris, A.
General method for the preparation of fluid-extracts for syrups
Bull. sci. pharm., 40 (1933), 385.
- Jensen, Vieh., and Örner, Holger
Investigation of substances used for the preservation of medicaments
Dansk Tids. Farm., 7 (1933), 183
- Mihalovici, Ar.
Sterilization of sodium bicarbonate solution
Pharm. Zentralh., 74 (1933), 615
- Perino, M.
Investigation of some commercial fluidextracts of the Italian Pharmacopœia V
Boll. chim.-farm., 72 (1933); 481, through
Chem. Abstr., 27 (1933), 5143
- Reese, J. A., and Crockett, W. G.
Miscible fluidextract of ipecac
Jour. A. Ph. A., 22 (1933), 968
- Rohmann, C.
Investigation of the half basic aluminum acetate solution
Arch. Pharm., 271 (1933), 219

- Rojahn, C. A., and Haase, Edgar
Changes in tinctures and alkaloidal solutions due to sunlight and ultraviolet rays with observations on optical rotation
Pharm. Zentralh., 74 (1933), 625
- Rosenthaler, L.
Investigation of galenical preparations. I—Bitter almond water and cherry laurel water
Pharm. Ztg., 78 (1933), 1063
- Rowe, L. W., and Scoville, Wilbur L.
Fluidextract of ergot
Jour. A. Ph. A., 22 (1933), 938
- Trunkel, H.
Preparation of tinctures and fluidextracts
Pharm. Ztg., 78 (1933), 1054

PHARMACOLOGY, TOXICOLOGY AND THERAPEUTICS.

- Fleury, Georges
Action of smoking tobacco on cultures of colon bacillus and of typhous bacillus
Bull. soc. pharm. Bordeaux, 71 (1933), 207
- Fourneau, E., and Matti, J.
Local anesthetics—esters of amino alcohols with salicylic acid and other phenolic acids
J. pharm. chim., 18 (1933), 247
- Kwit, Nathaniel T., and Hatcher, Robert A.
Seat of the emetic action of pilocarpine
J. Pharmacol. & Exper. Therap., 49 (1933), 215
- Larget, Maurice, *et al.*
Note on the anticoagulant action of trisodium citrate
Bull. sci. pharm., 40 (1933), 408
- Maloney, A. H.
Comparative study of the antidotal action of picrotoxin, strychnine and cocaine in acute intoxication by the barbiturates
J. Pharmacol. & Exper. Therap., 49 (1933), 133
- Morgan, Agnes Fay, *et al.*
Effect of carbon dioxide and sodium benzoate on vitamin C content of orange juice
Ind. Eng. Chem., 25 (1933), 1174

Munch, James C., *et al.*

Lactucaria. I. Mydriatic activity of lactucaria by the Munch method

Jour. A. Ph. A., 22 (1933), 943

Ogata, A., and Hirano, S.

Researches of the male sex hormones IV

J. Pharm. Soc. Japan, No. 619 (1933), 153

Rich, Murray L.

An unusual hematologic reaction to neorsphenamine

J. A. M. A., 101 (1933), 1223

Stevens, Asa N.

Standardization of ergot

Jour. A. Ph. A., 22 (1933), 940

BOTANY AND PHARMACOGNOSY.

Akai and Nakazawa

Constituents of *Dicranopteria glauca* Nakai

J. Pharm. Soc. Japan, No. 619 (1933), 157

Bondeson, Wolmar

***Euphorbia pilulifera* herb**

Farm. Revy, 32 (1933), 561, 580, 599, 610

Edman, Gosta

Silica in *Quassia amara* L.

Farm. Revy, 32 (1933), 557, 577

Hansche, Rachel, and Still, E. U.

Study of the properties of psyllium seed

Am. J. Pharm., 105 (1933), 433

Freise, Fred. W.

Brazilian coto bark and its source

Pharm. Zentralh., 74 (1933), 577

Gillot, Paul

Investigation of the seeds of *Euphorbia exigua* L.

Bull. sci. pharmacol., 40 (1933), 449

Maschré, M., and Genot, H.

New experiments in the cultivation of *Lobelia inflata* L.

Bull. sci. pharmacol., 40 (1933), 153

Munesada, and Hayashi, M.

Pharmacognostical investigation of Japanese anemone root

J. Pharm. Soc. Japan, No. 619 (1933), 162

Rimington, Claude

Isolation and chemical examination of the poisonous principles of *Dimorphotheca Spectabilis* Schltr. and *D. zeyheri* Sond.

Rept. Dir. Vet. Services, Onderspoort, 18, Part 2 (1933), 955; through *Chem. Abstr.*, 27 (1933), 5144.

ALKALOIDS AND GLUCOSIDES.

Anon.

Collaboration comparison of five opium assay procedures

Am. J. Pharm., 105 (1933), 458

Baumgarten, G.

Extraction of morphine from opium by the lime method

Arch. Pharm., 271 (1933), 216

Dietzel, R., and Steeger, O.

Decomposition of alkaloids in aqueous solution, especially on sterilization. VI. Ecgonine

Arch. Pharm., 271 (1933), 251

Fujiwara, Hidekatsu

Color reactions of strychnine and of strychnine nitrate

J. Biochem. (Japan), 18 (1933), 153; through

Chem. Abstr., 27 (1933), 5145

Klyachkina, B. A., and Shtuber, E. Ya.

New method for the estimation of morphine, especially in small amounts

Arch. Pharm., 271 (1933), 217

Leger, E.

Assay of nux vomica preparations

J. pharm. chim., 18 (1933), 281

Neugebauer, H.

Simple alkaloidal assay method for hydrastis and fluidextract of hydrastis, also homeopathic mother tinctures

Pharm. Ztg., 78 (1933), 1077

Williams, G. D., and Fulton, C. C.

Microscopic identification of heroine

Am. J. Pharm., 105 (1933), 436

ESSENTIAL OILS.

Bogert, M. T., and Marion, S. J.

Chemical examination of the oil of *Sarothra Gentianoides* and the detection of nonane

J. Am. Chem. Soc., 55 (1933), 4187

Freise, Frederick W.

South American rose wood oil and the plants of origin

Perf. & Ess. Oil Rec., 24 (1933), 307

Will, H.

Essential oil content of 1933 chamomile

Apoth.-Ztg., 48 (1933), 1134

OILS, FATS AND WAXES.

Rojahn, C. A., and Haugg, Josef

Determination of fats, oils and fatty acids by fusing with wax or ceresin

Apoth.-Ztg., 48 (1933), 1117

ANALYTICAL METHODS AND RESULTS.

Bach, D.

Determination of nitric nitrogen by the Devarda method

Bull. sci. pharmacol., 40 (1933), 459

Breugelmans, J. G.

Observations and criticisms of some of the analytical methods of the Belgian Pharmacopœia IV

J. pharm. Belg., 15 (1933), 677, 697, 717

Bye, Mortimer, *et al.*

Assay method for fluidextract of ipecac U. S. P.

JOUR. A. PH. A., 22 (1933), 965

Cuny, L., and Robert, J.

Observations on the determination of iodine in powdered thyroid gland

J. pharm. chim., 18 (1933), 233

Guerbet, Andre

Determination of free iodine in iodides by means of nitrous acid

J. pharm. chim., 18 (1933), 258

Kampf, Paul

Studies on the standardization of drugs and the detection of adulterations with the aid of capillary analysis and the quartz lamp

Pharm. Acta Helv., 8 (1933), 170

Kolthoff, I. M.

Gravimetric and volumetric determination of antipyrine as hydroferrocyanide in the presence of amidopyrine

JOUR. A. PH. A., 22 (1933), 947

Schmidt, Jacob E., and Krantz, John C., Jr.

Modified assay process for alkali benzoates and salicylates

JOUR. A. PH. A., 22 (1933), 953

Stainier, Carl, and Leclercq, Leon

Determination of silver in such organic compounds as collargol, argyrol, protargol, etc.

J. pharm. Belg., 15 (1933), 693

Wagenaar, M.

Microscopical detection of glucose

Pharm. Weekbl., 70 (1933), 1029

ORGANIC CHEMICALS.

Aoyama, *et al.*

Purity *p*-nitrophenol from *p*-nitrobenzol, *p*-phenetidin and phenacetin

J. Pharm. Soc. Japan, No. 619 (1933), 170.

Auriscichio, G.

Gluconic acid and gluconates, and their variable optical rotations

L'Ind. Chimica, 8 (1933), 836; through *J. Soc. Chem. Ind.*, 52 (1933), 764

Caspe, Saul

By-product sodium morrhuate

Ind. Eng. Chem., 25 (1933), 1177

Germann, F. E. E., and Knight, O. S.

Preparation of pure triethanolamine

J. Am. Chem. Soc., 55 (1933), 4150

Huston, R. C., and Chen, P. S.

The cloro derivatives of *m*-cresol

J. Am. Chem. Soc., 55 (1933), 4214

Lang, J. B.

New ointment bases of the Swiss Pharmacopœia V. Preparation of cetyl alcohol

Pharm. Acta Helv., 8 (1933), 165

Lecoq, Raoul

Proteides and vitamine B

Bull. sci. pharmacol., 40 (1933), 470

Nobile, L.

Thermal study of some analgesic mixtures

Boll. chim.-farm., 72 (1933), 361; through *Chem. Abstr.*, 27 (1933), 5143

Rac, John

Ethylene glycol as a solvent of vegetable coloring matter

Pharm. J., 131 (1933), 369

Suzuki, H., *et al.*

Comparison of samples of commercial acetyl-salicylic acid obtained in Japan

J. Pharm. Soc. Japan, No. 619 (1933), 160

AMARANTH AS A SUBSTITUTE FOR CUDBEAR WITH IMPROVED METHODS IN THE PREPARATION OF SOME N. F. GALENICALS.*

BY S. W. MORRISON.

In the past, cudbear has been the favored coloring agent for pharmaceutical preparations because it is of vegetable origin, reasonably cheap and compatible with most substances. It is not, however, the ideal agent as it is variable in color, it hinders filtration; the color changes in acid and alkaline solutions and the color fades.

In seeking to find a more desirable coloring agent, amaranth was tried. Amaranth is a synthetic organic dye which has been in use for many years and in 1906

* Section on Practical Pharmacy and Dispensing, A. PH. A., Madison meeting, 1933.