

# BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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## APPARATUS AND MANIPULATIONS.

- Anon.  
**Apparatus for vacuum distillation on a small scale**  
*Schweiz. Apoth.-Ztg.*, 72 (1934), 261, 289  
Anon.  
**Special machines for the pharmacist**  
*Pharm. Ztg.*, 79 (1934), 620  
Anon.  
**Extraction apparatus (The "Mulkolator")**  
*Pharm. Ztg.*, 79 (1934), 620  
Berry, H.  
**An improved vacuum concentration apparatus**  
*Pharm. J.*, 132 (1934), 587  
Rosenthaler, L.  
**Researches on galenical preparations. II. Studies on repercolation**  
*Monatsbeilage Pharm. Presse*, 5 (1934), 57

## PHARMACEUTICAL PREPARATIONS.

- Bentzen, H.  
**Basic aluminum acetate solution**  
*Dansk Tids. Farm.*, 8 (1934), 141  
Brown, H. Treves  
**A simple method of calculating isotonic solutions**  
*Pharm. J.*, 132 (1934), 633  
Danckwortt, P. W.  
**Photometric color measurements of tincture of valerian**  
*Arch. Pharm.*, 272 (1934), 716  
DeClercq, A.  
**Microbial infection of pharmaceutical products**  
*J. pharm. Belg.*, 16 (1934), 435  
Jackson, F. J.  
**Note on isotonic solutions**  
*Chem. & Drug.*, 120 (1934), 694  
Jermstad, Axel, and Östby, Ottar  
**Study of syrups**  
*Dansk Tids. Farm.*, 8 (1934), 137  
Rupp, E.  
**Valerian preparations of the new Swiss Pharmacopœia**  
*Apoth.-Ztg.*, 49 (1934), 712

- Schwartz, Charles, Jr.  
**Study of Fowler's solution**  
*Jour. A. Ph. A.*, 23 (1934), 565  
Searle, Alfred B.  
**Lemonade powders**  
*Chem. & Drug.*, 120 (1934), 618  
Todd, J. P., and Smith, H. L.  
**Bacterial content and bactericidal action of some common medicaments**  
*J. Roy. Tech. Coll.*, 3 (1934), 324-326; through  
*J. Soc. Chem. Ind.*, 53 (1934), 474B

## PHARMACOLOGY, TOXICOLOGY AND THERAPEUTICS.

- Chessa, G.  
**Stabilization of the active principles of digitalis**  
*Arch. farmacol. sper.*, 57 (1934), 96-103;  
through *J. Soc. Chem. Ind.*, 53 (1934), 475  
Coppens, Ph. A.  
**Effect of the constituents of cod liver oil on the tubercle bacillus**  
*Pharm. Weekbl.*, 71 (1934), 584  
Jackson, Harry, and Duvall, Albert I.  
**Report of a case of dinitrophenol poisoning**  
*J. A. M. A.*, 102 (1934), 1844  
Klingensmith, William R.  
**Poisoning by camphor**  
*J. A. M. A.*, 102 (1934), 2182  
Krechetova, N. P., and Yankovski, V. D.  
**Increasing the activity of heparin and pneumin (antithrombin)**  
*Khim. Farm. Prom.* (1933), 225; through *J. Soc. Chem. Ind.*, 53 (1934), 525B  
Meredith, Florence L.  
**Reactions to certain barbital derivatives**  
*J. A. M. A.*, 102 (1934), 2099  
Munch, James C.  
**Human thallotoxicosis**  
*J. A. M. A.*, 102 (1934), 1929  
Offerhaus, C., and Baert, C. G.  
**Anesthetics, particularly cocaine and novocaine**  
*Pharm. Weekbl.*, 71 (1934), 666  
Ogata, A., et al.  
**Investigation of the male sex hormones**  
*J. Pharm. Soc. Japan*, No. 626 (1934), 49

- Scarf, Maxwell  
**Serious arsphenamine reactions with reference to their prevention**  
*J. A. M. A.*, 102 (1934), 2159
- Schwarz, A. John  
**Standardization of Digitalis**  
*Am. J. Pharm.*, 106 (1934), 196
- Smith, Maurice I.  
**A comparative pharmacologic study of the three phosphoric esters of orthocresol**  
*J. Pharmacol. & Exper. Therap.*, 51 (1934), 217
- Walton, Robert P., and Lawson, Edwin H.  
**Pharmacology and toxicology of the azo dye, phenyl - azo - alpha - alpha - diaminopyridine (pyridium)**  
*J. Pharmacol. & Exper. Therap.*, 51 (1934), 200
- BOTANY AND PHARMACOGNOSY.**
- Danckwirtt, P. W., and Schütte, E.  
**Investigation of the chemical constituents of the drug known in commerce as "Cortex Piscidiæ Erythrinae"**  
*Arch. Pharm.*, 272 (1934), 701
- Giroux, J., and Susplugas, J.  
**External morphology of Grindelia robusta**  
*Bull. sci. pharmacol.*, 41 (1934), 265
- Husa, William J., and Riley, Donald E.  
**Study of the constituents of Siam benzoin in relation to their preservative action on lard**  
*JOUR. A. PH. A.*, 23 (1934), 544
- Itano, A.  
**Agar**  
*Ber. Ohara Inst. Landw. Forsch.*, 6 (1933), 59-72; through *J. Soc. Chem. Ind.*, 53 (1934), 475B
- Leger, E.  
**New adulteration of aloe**  
*J. pharm. chim.*, 19 (1934), 533
- Maheu, J., and Chartier, J.  
**Pharmacography of digitalis**  
*Bull. sci. pharmacol.*, 41 (1934), 280
- Munesada, T.  
**Pharmacognostical examination of the roots and rhizomes of Scrophularia species**  
*J. Pharm. Soc. Japan*, No. 626 (1934), 41
- Regnier, Jean, and Neipp, Lucien  
**Contribution to the study of the methods for counting micro organisms**  
*Bull. sci. pharmacol.*, 41 (1934), 291
- Slama, Frank J.  
**Comparative study of the Maryland sennas**  
*JOUR. A. PH. A.*, 23 (1934), 550
- Wagenaar, M.  
**Relationship between essential oil and alkaloidal content of plants**  
*Pharm. Weekbl.*, 71 (1934), 642
- ALKALOIDS AND GLUCOSIDES.**
- Anon.  
**Ephedrine and pseudo-ephedrine compared**  
*Pharm. J.*, 132 (1934), 639
- Bagnall, H. H.  
**Extraction of quinine**  
*Analyst*, 59 (1934), 277; through *J. Soc. Chem. Ind.*, 53 (1934), 525B
- Bergsteinsson, and Noller, C. R.  
**Saponins and Sapogenins. I. Echinocystic Acid**  
*J. Am. Chem. Soc.*, 56 (1934), 1403
- Dafert, O., et al.  
**Contribution to the knowledge of saponins**  
*Monatsbeilage Pharm. Presse*, 5 (1934), 49
- Dietzel, R., and Kühl, G. W.  
**Decomposition of alkaloids in aqueous solution, particularly during sterilisation** 9.  
**Cocaine substitutes**  
*Arch. Pharm.*, 272 (1934), 721
- Gillot, P., and Tucakov, Y.  
**Contribution to the study of some tannins**  
*Bull. sci. pharmacol.*, 41 (1934), 257
- Girault, F.  
**Determination of alkaloids in pharmaceutical preparations. A review**  
*J. pharm. chim.*, 19 (1934), 499, 536
- Ortegren, R.  
**Determination of the exact equivalents of some alkaloids**  
*Farm. Revy*, 33 (1934), 313
- Orechoff, A.  
**Investigation of the medicinal and poisonous plants of the UdSSR and their alkaloidal content**  
*Arch. Pharm.*, 272 (1934), 673
- OILS, FATS AND WAXES.**
- Anon.  
**Purified and sterilised olive oil**  
*Pharm. J.*, 132 (1934), 635
- Cook, J. W., and Haslewood, G. A. D.  
**The constitution of ergosterol**  
*J. Soc. Chem. Ind.*, 53 (1934), 507
- ESSENTIAL OILS.**
- Clevenger, J. F.  
**Volatile oil in cardamon seed**  
*J. Assoc. Official Agric. Chem.*, 17 (1934), 283
- Fischer, R., and Moor, A.  
**Detection of aldehydes and ketones in essential oils and drugs**  
*Arch. Pharm.*, 272 (1934), 691

- Francois, Th.  
**Gelification of oils of the "Aleurites" by the halogen salts of antimony**  
*Bull. sci. pharmacol.*, 41 (1934), 269
- Nelson, E. K., and Mottern, H. H.  
**Florida grape fruit oil**  
*Ind. Eng. Chem.*, 26 (1934), 634
- Weevers, Th.  
**Formation of aromatic substances and terpenes in plants**  
*Pharm. Weekbl.*, 71 (1934), 621
- GENERAL AND PHYSICAL CHEMISTRY.**
- Rae, John  
**The adsorptive properties of various soluble compounds**  
*Pharm. J.*, 132 (1934), 607
- Schuster, G.  
**Use of camphor in cryoscopy for the determination of the molecular weight of the arsenic acids**  
*J. pharm. chim.*, 19 (1934), 497
- ANALYTICAL METHODS AND RESULTS.**
- Denigès, G.  
**New rapid direct method for the determination of mercury applicable to mercury cyanide**  
*Bull. soc. pharm. Bordeaux*, 72 (1934), 5
- Gross, C. R., and Smith, C. M.  
**Colorimetric method for determination of rotenone**  
*J. Assoc. Official Agric. Chem.*, 17 (1934), 336
- Killinen, K.  
**Values of Finnish Dryopteris Filix mas and D. spinulosa extracts**  
*Finlands Apotek. Tidskr.*, No. 8-9 (1932), 149-158; *Chem. Zentr.*, 2 (1933), 3453-3454; through *J. Soc. Chem. Ind.*, 53 (1934), 475
- Korenmann, J. M.  
**Sensitivity of the iodoform reaction**  
*Z. anal. Chem.*, 93 (1933), 335; through *Schweiz. Apoth.-Ztg.*, 72 (1934), 302
- Lillig, R.  
**Nitric acid as a reagent for the colorimetric identification of alkaloids**  
*Pharm. Ztg.*, 79 (1934), 593
- Peyer, W., and Hamann, G.  
**Testing and assaying of ointments**  
*Pharm. Monatsh.*, 15 (1934), 110
- Weis, Edmund  
**Evaluation of medicinal charcoal**  
*Monatsbeilage Pharm. Presse*, 5 (1934), 56
- ORGANIC CHEMICALS.**
- Clemence, Leroy W., and Raiziss, Geo. W.  
**Isomeric nitro-cresols**  
*Jour. A. Ph. A.*, 23 (1934), 536
- Harris, S. E., and Christiansen, W. G.  
**Preparation and germicidal properties of some alkyl derivatives of hydroxy diphenyls**  
*Jour. A. Ph. A.*, 23 (1934), 530
- Poore, H. D.  
**Recovery of naringin and pectin from grape-fruit residue**  
*Ind. Eng. Chem.*, 26 (1934), 637
- Rosenberg, Edward F., et al.  
**Some 5-β-ethyl substituted derivatives of barbituric acid**  
*J. Am. Chem. Soc.*, 56 (1934), 1339

## A COMPARISON OF NEOARSPHENAMINE AND SULPHARSPHENAMINE WHEN THEY ARE DIALYZED.\*

BY A. E. JURIST AND W. G. CHRISTIANSEN.

It is well known that both neoarsphenamine and sulpharsphenamine are colloids, at least in part. Several investigators have subjected neoarsphenamine to dialysis and thereby demonstrated this fact. Extensive investigations have been made on neoarsphenamine by Freundlich, Stern and Zocker (1), Hirschfelder and Wright (2), and Raiziss and Gavron (3), but none of these investigators have compared neoarsphenamine and sulpharsphenamine. In this paper we shall describe a method for carrying out the dialysis of neoarsphenamine or sulphars-

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