

# BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

All articles recorded 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, Hygienic Laboratory, U. S. P. H. S., 25th & E Sts., N. W., Washington, D. C.

## APPARATUS AND MANIPULATIONS.

- Anon.  
**Deodorization of benzine**  
*Giorn. Chem. Indus. Appl.* (1923); through  
*J. pharm. Belg.*, 6 (1924), 46  
Breteau, Pierre  
**Determination of rotatory power**  
*J. pharm. et chim.*, 29 (1924), 57  
Fricke, R., and Kempf, P.  
**Preparation of ultra filters with cellulose acetate**  
*Kolloid-Zeits.*, 23 (1923), 164; through *J. Soc. Chem. Ind.*, 42 (1923), 1104  
Hepburn, Joseph S.  
**Connecting tube for modified Knorr and Sy flasks**  
*Am. J. Pharm.*, 96 (1924), 29  
Lecoq, Raoul  
**Simple measuring device for liquids**  
*J. pharm. et chim.*, 29 (1924), 64
- PHARMACOPEIAS AND FORMULARIES.**
- Anon.  
**Swiss Pharmacopœia revision**  
*Chem. & Drug.*, 100 (1924), 62  
Moerk, Frank X.  
**A century of the Pharmacopœia**  
*Pharm. Era*, 58 (1924), 149  
Patrouillard, M., and Michel, M.  
**Report of Sub-Committee No. 9 of the Committee of Revision of the French Pharmacopœia**  
*J. pharm. et chim.*, 29 (1924), 25  
Schamelhout, A.  
**Comparison of the monographs for acids in the various pharmacopœias**  
*J. pharm. Belg.*, 6 (1924), 1, 25, 41  
Warren, L. E.  
**United States Pharmacopœia from the stand-point of the analyst**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 133
- PHARMACEUTICAL PREPARATIONS.**
- Anon.  
**Tasteless cod liver oil**  
*Chem. & Drug.*, 100 (1924), 113
- Anon.  
**Compound solution of sodium phosphate**  
*Merck's Rep.*, 33 (1924), 14  
Bartlett, K. A.  
**Comments on extract and fluidextract of gentian**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 30  
Copley, D. M.  
**Improved method for the assay of mercury ointments**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 125  
Davis, Ruth M., and Langenhan, H. A.  
**Hypochlorite solutions**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 32  
Garal, E.  
**Preparation of creosote pills**  
*Schweiz. Apoth.-Ztg.*, 61 (1923), 493  
Herissey, H.  
**Alcoholature of Aesculus hippocastanum L.**  
*J. pharm. et chim.*, 29 (1924), 89  
Randolph, John R., and Beringer, George M.  
**Tincture of ginger**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 27

## PHARMACOLOGY AND THERAPEUTICS.

- Braafladt, L. H.  
**Effect of kaolin on the intestinal flora**  
*J. Infect. Dis.* (Nov. 1923), 434; through  
*Pharm. J.*, 112 (1924), 110  
Chevalier, J.  
**Pharmacodynamic action of the insecticide principle of pyrethrum flowers**  
*Bull. sci. pharmacol.*, 31 (1924), 27  
Githens, Thomas S.  
**Studies on the physiological action of miré**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 102  
Hunt, Reid  
**Comparison of the activity of thyroid and thyroxin**  
*J. Pharmacol.*, 21 (1923), 199  
Krause, P., and Kräding, K.  
**Non-toxicity of barium sulphate**  
*Fortschr. a. d. Geb. d. Röntg.*, 31 (1923), 231; through *Pharm. J.*, 112 (1924), 110

- Leclerc, H.  
**Atropa mandragora as a sedative**  
*L' Union Pharm.*, 64 (1923), 300; through  
*Pharm. J.*, 112 (1924), 39
- Meeker, William R., and Frazer, Emmett B.  
**Comparative toxicity of novocaine, neocaine, procaine and apothesine**  
*J. Pharmacol. & Exp. Therap.*, 22 (1923), 375
- Ross, Ellison  
**Influence of adrenaline on the toxicity of cocaine**  
*Brit. Dent. J.* (Nov. 15, 1923), 1289; through  
*Pharm. J.*, 112 (1924), 81
- Rothlin, E.  
**Physiologic action of ergotamine**  
*Compt. rend. soc. biol.*, 88 (1923), 470;  
through *Bull. sci. pharmacol.*, 31 (1924), 62
- Rowe, L. W.  
**Antispasmodic action of chloretone**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 22
- Rusby, H. H.  
**Pharmacodynamics of Banisteria caapi**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 98
- Wilson, Thomas  
**Common daffodil as a poison**  
*Chem. & Drug.*, 100 (1924), 204
- Zung, E., and Delcorde, A.  
**Action of codeine on digestion**  
*L' Union Pharm.*, 62 (1923), 324; through  
*Pharm. J.*, 112 (1924), 81
- GENERAL BOTANY AND BACTERIOLOGY.**
- Casparis, P.  
**Commercial adulteration of aconite**  
*Schweiz. Apoth.-Ztg.*, 62 (1924), 3, 15
- Chevalier, A.  
**Origin of Chinese galls**  
*L' Union Pharm.*, 64 (1923), 327; through  
*Pharm. J.*, 112 (1924), 56
- Dyche-Teague, F. C.  
**Bactericidal value of some commercial perfumes**  
*Perf. & Ess. Oil Rec.*, 15 (1924), 6
- Farwell, Oliver Atkins  
**Adulterant of Eupatorium maculatum Linn.**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 121
- Juillet, A., and Dalmier, E.  
**Anatomy of the flower heads of Pyrethrum cinerarifolium Trev.**  
*Bull. sci. pharmacol.*, 31 (1924), 9
- Pittenger, Paul S.  
**Nature and preparation of pneumococcus antibody solution**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 116
- Small, James  
**Bark of Pausinystalia brachythrysus K. Sch.**  
*Pharm. J.*, 112 (1924), 29
- Bark of a species of Canthium  
*Pharm. J.*, 112 (1924), 29
- Tomieck, O., and Kredba, M.  
**Bactericidal power of mercury oxycyanide**  
*Chem.-Ztg.*, 47 (1923), 489; through *Südd. Apoth.-Ztg.*, 63 (1923), 401
- VEGETABLE AND ANIMAL DRUGS.**
- Billing, Wyly M.  
**Action of certain chemicals on the sterility and activity of tissue extracts**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 113
- Gathercoal, E. N.  
**Kino, gambir and catechu**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 103
- Hart, Merrill C., and Heyl, Frederick W.  
**Cholestryl palmitate, a constituent of corpus luteum**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 17
- Gerardiln, E.  
**Opercuum of Murex ramosus**  
*Bull. sci. pharmacol.*, 31 (1924), 50
- Laqueur, E.  
**Insulin units**  
*Pharm. Weekbl.*, 61 (1924), 107
- Moloney, P. J., and Findlay, D. M.  
**Concentration of insulin by adsorption on benzoic acid**  
*J. Biol. Chem.*, 57 (1923), 359; through *J. Soc. Chem. Ind.*, 43 (1924), B73
- Seil, Harvey A., and Putt, Earl B.  
**Chemical examination of Banisteria caapi**  
*J. AM. PHARM. ASSOC.*, 13 (1924), 99
- Witzemann, E. J., and Livshis, L.  
**Action of proteolytic enzymes on insulin**  
*J. Biol. Chem.*, 57 (1923), 425; through *J. Soc. Chem. Ind.*, 43 (1924), B73
- ALKALOIDS AND GLUCOSIDES.**
- Bridel, Marc  
**Isolation of monotropein from Monotropa hypopitys L.**  
*J. pharm. et chim.*, 29 (1924), 96
- Debucquet, L.  
**Atropine phosphates**  
*J. pharm. et chim.*, 29 (1924), 15
- Hansen, Albert  
**Estimation of morphine in tincture of opium**  
*Arch. Pharm. og Chem.*, 31 (1924), 35
- Rosenthaler, I., and Mosimann-Bern, Max  
**Studies on the natural forms of alkaloids**  
*Schweiz. Apoth.-Ztg.*, 62 (1924), 13, 29, 48

- Späth, K., and Gangl, J.  
**Anhalonium alkaloids**  
*Monatsh. Chem.*, 44 (1923), 103; through *J. Soc. Chem. Ind.*, 43 (1924), B73
- Willstätter, R., Wolfes, O., and Mäder, H.  
**Synthesis of natural cocaine**  
*Ann. Chem.*, 434 (1923), 119; through *J. Soc. Chem. Ind.*, 43 (1924), B73
- OILS, FATS AND WAXES.**
- Gascard, A., and Damoy, G.  
**Acids in beeswax**  
*Compt. rend.*, 177 (1923), 1222; through *J. Soc. Chem. Ind.*, 43 (1924), B102
- Rosenmund, R. W., and Ruhnhenn, W.  
**Determination of the iodine value of fats and oils with pyridine sulphate bromide**  
*Pharm. Weekbl.*, 61 (1924), 76
- ESSENTIAL OILS.**
- Cocking, T. Tusting  
**Observations on the  $\alpha$ -naphthol method for the determination of cineol in essential oils**  
*Perf. & Ess. Oil Rec.*, 15 (1924), 10
- Holmes, E. M.  
**Opopanax**  
*Perf. & Ess. Oil Rec.*, 15 (1924), 4
- Nakao, M., and Shibue, C.  
**Volatile oil of Manchurian peppermint**  
*J. Pharm. Soc. Japan*, No. 499 (1923), 725; through *Perf. & Ess. Oil Rec.*, 15 (1924), 14
- Penfold, A. R.  
**Australian oil yielding plants**  
*Chem. & Drug.*, 100 (1924), 171
- Walker, G.  
 **$\alpha$ -Naphthol method for the determination of cineol in essential oils**  
*J. Soc. Chem. Ind.* (Dec. 21, 1923); through *Perf. & Ess. Oil Rec.*, 15 (1924), 9
- GENERAL AND PHYSICAL CHEMISTRY.**
- Büllmann, E., and Rimbert, E.  
**Determination of hypobromous acid and bromic acid**  
*Bull. Soc. Chim.*, 33 (1923), 1465; through *J. Soc. Chem. Ind.*, 43 (1924), B53
- Bordas and Tourplain  
**Determination of boron in mineral waters**  
*Annal. falsif.* (July 8, 1923); through *Répert. pharm.*, 35 (1924), 4
- Debuquet, L.  
**Estimation of sulphur dioxide in solution of sodium bisulphite**  
*J. pharm. et chim.*, 29 (1924), 66
- Fairhall, L. T.  
**Microchemical detection of lead**  
*J. Biol. Chem.*, 57 (1923), 455; through *J. Soc. Chem. Ind.*, 43 (1924), B80
- Keenan, George  
**Microscopical identification of some sodium and potassium salts**  
*J. Am. Pharm. Assoc.*, 13 (1924), 122
- Knop, J.  
**Diphenylamine as indicator in the titration of iron with dichromate solution**  
*J. Am. Chem. Soc.*, 46 (1924), 263
- Murmann, E.  
**Determination of caesium as perchlorate**  
*Oesterr. Chem.-Ztg.*, 26 (1923), 164; through *J. Soc. Chem. Ind.*, 43 (1924), B79
- Scheringa, K.  
**Titration of hydroxyl and carbonates in the presence of one another in drinking water**  
*Pharm. Weekbl.*, 61 (1924), 113
- INORGANIC CHEMICALS.**
- Anon.  
**Liquified sodium phosphate**  
*The Spatula*, 30 (1924), 151
- Goerlech  
**Alkalimetric determination of ammonium carbonate**  
*Pharm. Ztg.* (1923), 649; through *Pharm. J.*, 112 (1924), 30
- Grimbert, L., Malmy, M., and Poirot, G.  
**Solubility of iodine in chloroform**  
*J. pharm. et chim.*, 29 (1924), 5
- Howe, Jas. L., et al.  
**Ruthenium dichloride**  
*J. Am. Chem. Soc.*, 46 (1924), 335
- Kertész, Z.  
**Determination of available chlorine in bleaching powder by means of nitrite solutions**  
*Ztschr. angew. Chem.*, 36 (1923), 595; through *J. Soc. Chem. Ind.*, 43 (1924), B92
- Maass, O., and Hiebert, P. G.  
**Properties of pure hydrogen peroxide**  
*J. Am. Chem. Soc.*, 46 (1924), 290
- Mellon, M. G., and Morris, V. N.  
**Electrometric study of the titration of boric acid**  
*Ind. & Eng. Chem.*, 16 (1924), 123
- ORGANIC CHEMICALS.**
- Asahina, Y., and Terada, S.  
**Condensation between pyruvic acid and formaldehyde**  
*J. Pharm. Soc. Japan*, No. 502 (1923), 855

- Bishop, W. B. S.
- Preparation of ethyl ether by Williamson's method**
- J. Soc. Chem. Ind.*, 43 (1924), 23T
- Clover, A. M.
- Auto-oxidation of ethers**
- J. Am. Chem. Soc.*, 46 (1924), 419
- Davis, Clark E., Salisbury, Henry M., and Harvey, M. T.
- Surface tension of gelatin solutions**
- Ind. & Eng. Chem.*, 16 (1924), 161
- DeMyttenaere
- New methods of determining arsenic in arseno-benzenes**
- Bull. Acad. Roy. Med. Belg.*, 3 (1923), 259; through *Pharm. J.*, 112 (1924), 30
- Giron, Jules
- Action of chlorine on methylene trisulphide**
- Bull. sci. pharmacol.*, 31 (1924), 25
- Harris, L. J.
- Titration of amino and carboxyl groups in amino acids**
- Proc. Roy. Soc.*, B95 (1923), 440; through *J. Soc. Chem. Ind.*, 43 (1924), B74
- Kohler, E. P.
- A new type of cyclic compounds**
- J. Am. Chem. Soc.*, 46 (1924), 503
- Lyons, A. B.
- Improved phenylhydrazine test for formaldehyde**
- J. Am. Pharm. Assoc.*, 13 (1924), 7
- Moser, L., and Lindinger, F.
- Preparation of pure ethylene**
- Monatsh.*, 44 (1923), 141; through *J. Soc. Chem. Ind.*, 43 (1924), B75
- Parry, Walter
- A color reaction for phenols**
- Giorn. farm. chim.*, 72 (1923), 245
- Peset, J., and Aguilar, J.
- New reactions for detecting hydrocyanic acid**
- Arch. méd. legal*, 1 (1922), 18; through *Pharm. J.*, 112 (1924), 108
- Regenbogen, A., and Schoorl, N.
- Molecular combination of caffeine and salicylic acid**
- Pharm. Weekbl.*, 61 (1924), 34
- Stevens, Hoyt
- Simple distinction between citric and tartaric acids**
- Ind. & Eng. Chem.*, 16 (1924), 155
- Strebinger, R., and Wolfram, J.
- Determination of tartaric acid by oxidation with potassium iodate and sulphuric acid**
- Oesterr. Chem.-Ztg.*, 26 (1923), 156; through *J. Soc. Chem. Ind.*, 43 (1924), B74
- Sturmer, J. W.
- Influence of sucrose on the solubility of certain salts**
- Merck's Rep.*, 33 (1924), 10
- Wagenaar, M.
- Estimation of citric acid in fruit juices**
- Pharm. Weekbl.*, 61 (1924), 49
- Ware, Alma H.
- Color reactions of vegetable extractives with sulphuric acid**
- Chem. & Drug.*, 100 (1924), 130

#### CLINICAL AND DIAGNOSTIC METHODS.

- Fuhs, J., and Lintz, W.
- Methylene blue test in urine for cancer**
- Neoplasmes*, v. 2, p. 62; through *Pharm. J.*, 112 (1924), 108
- O'Connor, E.
- Test of death**
- Lancet*, 1 (1924), 164; through *Pharm. J.*, 112 (1924), 81
- Van Eck, P. N.
- Occurrence of amines in urine**
- Pharm. Weekbl.*, 61 (1924), 65

#### PHARMACY IN RELIGIOUS ART.

Allegorical representations of the Savior as a pharmacist were shown a number of years ago by Dr. Edward Kremers in an illustrated lecture; in 1905 Dr. Hans Heger described seven pictures in which this conception is rendered; in 1917 another Austrian pharmacist, F. Minarik, described three other pictures; recently an eleventh painting was discovered in the shop of a Viennese art dealer and is described in the *Chemist and Druggist* of December 29, p. 911. The painting was purchased by R. Röder, a wholesale druggist of Vienna, and the description in *C. & D.* was

supplied by Dr. Heger. The original measures 27 by 24 inches and differs from the other paintings wherein the Savior appears alone and in the one referred to a second person has been introduced. All these religious allegories are inspired by the same thought which is expressed in but slight variations; in all of them the Savior is seen holding a pair of scales; the same verses appear in almost every one; the inscriptions on the jars do not refer to drugs but Christian virtues. In the picture described the Savior's left hand is depicted as dipping into an open box inscribed with the word "Creitzwurz" (*Polygonum amara*).