

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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APPARATUS AND MANIPULATIONS.

- Golaz, H., and Siegfried, K.
Extraction of vegetable therapeutic substances
Schweiz. Apoth.-Ztg., Suppl. (1924), 16
- Pierce, J. A.
Study in the extraction of nux vomica
JOUR. A. PH. A., 13 (1924), 1129
- Remler, R. F.
Uses of acetone
Pharm. Era, 59 (1924), 702
- Roff, E. A.
Improved wash bottle
Chem. & Ind., 44 (1925), 5
- Siegfried, K.
Preparation of extracts
Schweiz. Apoth.-Ztg., Suppl. (1924), 22
- Wester, D. H.
Investigation of the suitability of metals, enamel ware and porcelain for the manufacture of pharmaceutical preparations
Arch. Pharm., 262 (1924), 575

PHARMACOPŒIAS AND FORMULARIES.

- Anon.
Review of the new Argentine Pharmacopœia
Chem. & Drug., 101 (1924), 859, 896
- Anon.
Brazilian National Pharmacopœia
Chem. & Drug., 102 (1925), 39
- Verda, A.
Incompatibilities in the Swiss Pharmacopœia V.
Schweiz. Apoth.-Ztg., Suppl. (1924), 34

PHARMACEUTICAL PREPARATIONS.

- Anon.
Menthol emulsion
Chem. & Drug., 101 (1924), 913
- Anon.
Phosphorus paste
Chem. & Drug., 101 (1924), 913
- Bock, Carl
Suggestions on the preparation of galenicals by percolation
Pharm. Ztg., 69 (1924), 1025; through *Chem. Abstr.*, 19 (1924), 151

Danckwortt, P. W.

Deterioration of alkaloidal solutions

Arch. Pharm., 262 (1924), 567

Dott, D. B.

Assay of Acetum Opii

Chem. & Drug., 101 (1924), 936

Grüning, W.

Iron-heparin

Chem. & Drug., 101 (1924), 913

Guyot, R.

Alteration and decomposition of borated hydrogen dioxide solutions

Bull. Soc. Pharm., Bordeaux, 62 (1924), 194

Hepburn, Joseph S

Adulteration of medicinal alcoholic beverages

Am. J. Pharm., 97 (1925), 44

Le Heux, J. W

Stability of choline solutions in ampules

Arch. Pharm., 262 (1924), 570

Morawitz

Iron and arsenic preparations

Chem. & Drug., 101 (1924), 927

Siegfried, K.

Assay of saponated cresol solution

Schweiz. Apoth.-Ztg., Suppl. (1924), 28

Swanson, Edward E.

Standardization and stabilization of aconite preparations

JOUR. A. PH. A., 13 (1924), 1108

Ulbrich, A.

Gelatin base for suppositories

Chem. & Drug., 101 (1924), 913

PHARMACOLOGY AND THERAPEUTICS.

Anon.

Absorption of mercurial ointment

Pharm. Era, 60 (1925), 55

Anon.

Cochineal in whooping cough

Chem. & Drug., 101 (1924), 895

Anon.

Acute poisoning with sodium bromide

Klin. Wechnschr. (1924), 319; through *Pharm. Weekbl.*, 61 (1924) 1532

- Bachem, C.
Administration of nauseous drugs
Chem. & Drug., 101 (1924), 914
- Bauer, H.
Development of therapeutically active dyes
J. pharm. Belg., 6 (1924), 863
- Desgrez, Bierry and Rathery
Standardization of insulin
J. pharm. Belg., 6 (1924), 880
- Dox, Arthur W.
Ethylphenetyl-barbituric acid and related derivatives
J. Am. Chem. Soc., 46 (1924), 2843
- Goris, A. and Liot, A.
Assay of ergot
Chem. & Drug., 101 (1924), 921
- Herring, P. T.
Efficacy of various sugars as antidotes for insulin
Chem. & Drug., 101 (1924), 918
- Kraus, F.
Therapeutic use of synthetic camphor
Chem. & Drug., 101 (1924), 927
- Leclerc, H.
Administration of castor oil
Chem. & Drug., 101 (1924), 913
- Lowe, G. C., and Cooke, W. E.
Bayer "G 1919" in filariasis
Chem. & Drug., 101 (1924), 925
- Penau, H., and Simonet, H.
Physiological standardization of insulin preparations
Bull. soc. chim. biol., 6 (1924), 648; through
Chem. Abstr., 19 (1924), 149
- Quigley, J. P., and Hirschfelder, A. D.
Comparison of secondary and tertiary aromatic alcohols with reference to local anesthesia
J. Pharm. & Exp. Therap., 24 (1924), 405
- Schöbl, O.
Chemotherapeutic experiments with chaulmoogra oil and allied preparations
Philippine J. Sci., 25 (1924), 123; through
Chem. & Ind., 43 (1924), B995
- Silvestri, Silvestro
Absorption and elimination of cinchonine
J. pharm. Belg., 6 (1924), 882
- Smillie, W. G., and Pessoa, S. B.
Anthelmintic properties of the constituents of chenopodium oil
J. Pharm. & Exp. Therap., 24 (1924), 359
- Smith, Maurice I., and McClosky, Wm. T.
Action of standard infundibular powder on the secretion of urine
J. Pharm. & Exp. Therap., 24 (1924), 371
- Snapper
Sanochryesine
Ned. Tijds. v. Geneesk. (1924), 2816; through
Pharm. Weekbl., 61 (1924), 1482
- Thayer, Floyd K.
Butesin picrate, a new type of anesthetic-antiseptic
Am. J. Pharm., 97 (1925), 39
- von Tiefenau, H. G.
Determination of the activity of rhubarb
Chem. & Drug., 101 (1924), 919
- Wasicky, R.
Action of insulin
Chem. & Drug., 101 (1924), 927

GENERAL BOTANY AND BACTERIOLOGY.

- Morgan, G. T., *et al.*
Bactericidal action of quinones
Chem. & Drug., 101 (1924), 915
- Morgan, G. T.
Tellurium germicides
Chem. & Drug., 101 (1924), 914
- Pitini, A.
Pharmacognostic researches on *Withania somnifera* Dun
Arch. farmacol. sper., 38 (1924), 151; through
Chem. Abstr., 19 (1924), 149
- Pittenger, Paul
Antibody solutions
Pharm. Era, 60 (1925), 1

VEGETABLE AND ANIMAL DRUGS.

- Anon.
Belladonna Root
Chem. & Drug., 101 (1924), 871
- Anon.
Bezoar
Chem. & Drug. 101 (1924), 872
- Anon.
Benzoin
Chem. & Drug., 101 (1924), 907
- Banti, Lorenzo
Process for the extraction and purification of insulin
Arch. farmacol. sper., 38 (1924), 176; through
Chem. Abstr., 19 (1924), 149
- Howell, E. V.
Cinara, Carduus and Scolymus of the ancients
J. Am. Pharm. Assoc., 13 (1924), 1121.
- Lendner, A.
Anatomy of *Solenostemma Arghel Hayne*
Schweiz. Apoth.-Ztg., Suppl. (1924), 9
- MacDougall, R. S.
Note on cochineal insect
Chem. & Drug., 102 (1925), 23

- Nakao, M.
Constituents of the oil of Manchurian poplar buds
J. Pharm. Soc., Japan, No. 513 (1924), 921
 Nakayama, S.
Constituents of Han-ge
Chem. & Drug., 101 (1924), 924
 Pitini, A.
Researches on *Matricaria aurea* Boiss
Arch. farmacol. sper., 38 (1924), 149; through
Chem. Abstr., 19 (1924), 149

ALKALOIDS AND GLUCOSIDES.

- Anon.
Alkaloids in non-fruiting *Datura*
Chem. & Drug., 101 (1924), 924
 Barthe, L.
Notes on tests for purity of the principal alkaloids of cinchona
Bull. Soc. Pharm., Bordeaux, 62 (1924), 186
 Chen, K. K., and Schmidt, Carl F.
Action of ephedrine, the active principle of *ma huang*
J. Pharm. & Exp. Therap., 24 (1924), 339
 Couch, James F.
Note on Grant's test for sparteine
Am. J. Pharm., 97 (1925), 38
 Gadamer, J., and Thiessen, Max
Researches on oxycelidonine
Arch. Pharm., 262 (1924), 578
 Gadamer, J., and Winterfeld, K.
Secondary alkaloids of *Chelidonium majus*
Arch. Pharm., 262 (1924), 589
 Glaser, E.
Saponin of *Polygala amara*
Ber. d. deutsch. chem. Ges., 57 (1924), 1604;
 through *Schweiz. Apoth.-Ztg.*, 62 (1924), 734
 Hansen, A.
Morphine assay of tincture of opium
Chem. & Drug., 101 (1924), 920
 Kariyone, T., and Matsushima, G.
Glucoside of the leaves of *Prunus macrophylla*
J. Pharm. Soc., Japan, No. 514 (1924), 1060
 Kondo, H., and Sanada, T.
Alkaloids of *Stephania japonica* Miers
J. Pharm. Soc., Japan, No. 514 (1924), 1034
 Kondo, H., and Nakazato, T.
Trilobine, an alkaloid from *Cocculus trilobus*
Chem. & Drug., 101 (1924), 924
 Majima, R., Suginome, H., and Morio, S.
Aconitines
Chem. & Drug., 101 (1924), 924
 Schulze, Heinrich, and Berger, Gottfried
Researches on the aconite alkaloids
Arch. Pharm., 262 (1924), 553

- Spaeth, E., and Brunner, O.
Synthesis of cusparine and galipine
Ber. deutsch. chem. Ges., 57 (1924), 1243
 Van der Haar, A. W.
Saponins and related substances
Rec. Trav. chim., 43 (1924), 542; through *Chem. & Ind.*, 43 (1924), B996
 Wilson, Donald C.
Melting point of codeine hydrochloride
Chem. & Drug., 101 (1924), 936

OILS, FATS AND WAXES.

- Holmes, Arthur D.
Cod-liver oil and its by-products
JOUR. A. PH. A., 13 (1924), 1112
 Jones, T. W.
Rancidity and the Kreis test
Chem. & Ind., 43 (1924), 1258
 Tschirch, A.
Autoxidation in the case of fats, resins, terpenes and tannins
Schweiz. Apoth.-Ztg., Suppl. (1924), 6

ESSENTIAL OILS.

- Aschan, O.
Diprene, a new terpene
Ann. d. Chem., 439 (1924), 221; through *Perf. & Ess. Oil Rec.*, 15 (1924), 425
 Casparis, P.
Note on ammosresinol
Schweiz. Apoth.-Ztg., Suppl. (1924), 33
 Francesconi, L., and Sergianotto, E.
***Helicrysum saxatile* oil**
Chem. & Drug., 101 (1924), 923
 Gawalowski, A.
Determination of chlorine in commercial pinenes
Ztschr. anal. Chem., 64 (1924), 471; through
Chem. & Drug., 43 (1924), B996
 Grelot, P.
Detection of crude camphor
Chem. & Drug., 101 (1924), 920
 La Face, F.
Calabrian geranium oil
Chem. & Drug., 101 (1924), 923
 Nakao, M., and Shibuye, C.
Constituents of sanna oil
J. Pharm. Soc., Japan, No. 513 (1924), 913
 Penfold, A. R., and Morrison, F. R.
***Eucalyptus piperita* oil**
Chem. & Drug., 101 (1924), 923
 Penfold, A. R.
***Backhousia sciadophora* oil**
Chem. & Drug., 101 (1924), 923

Platz, Hugo

Capillary analysis of balsam of Peru

Pharm. Zig., 69 (1924), 1037; through *Chem.*

Abstr., 19 (1924), 151

Tellera, G.

Assay of oil of mirbane

Boll. Chim. Farm., 63 (1924), 657

MISCELLANEOUS PLANT CONSTITUENTS.

Hardy, F., and Warneford, F. H. S.

Coloring matter of lime juice

Ind. & Eng. Chem., 17 (1925), 48

Peacock, Josiah C., and Bertha L.

Notes on the iron-greening factor of digitalis

Am. J. Pharm., 96 (1924), 875

Takagi, S., and Hongo, G.

Properties of atractylon

Chem. & Drug., 101 (1924), 924

GENERAL AND PHYSICAL CHEMISTRY.

Bingham, Eugene C.

The rhe as the absolute unit of fluidity

Ind. & Eng. Chem., 17 (1925), 47

Carson, C. M.

Determination of aniline in aqueous solution

Ind. & Eng. Chem., 17 (1925), 62

Cox, H. E.

New methods of determining arsenic

Chem. & Drug., 101 (1924), 917

Fleysher, Maurice H.

Electrometric titration of antimony and tin by potassium dichromate

J. Am. Chem. Soc., 46 (1924), 2725

Hahn, Friedr. L., Wolf, Hans, and Jäger, Gustav

Sensitive color reaction for magnesium

Ber. d. deutsch. chem. Ges., 57 (1924), 1394;
through *Schweiz. Apoth.-Ztg.*, 62 (1924), 734

Hammett, L. P., and Sottery, C. T.

New reagent for aluminium

J. Am. Chem. Soc., 47 (1924), 142

Harned, Herbert S., and Fleysher, H.

Transference numbers of hydrochloric acid in solutions of ethyl alcohol

J. Am. Chem. Soc., 47 (1924), 92

Hibbard, P. L.

Modification of Scale's method for the determination of nitrates

Ind. & Eng. Chem., 17 (1925), 58

Kraemer, Elmer O., and Stamm, Alfred J.

New method for the determination of the size of particles in emulsions

J. Am. Chem. Soc., 46 (1924), 2709

Loisel, P.

Emilium, a new element

Chem. & Drug., 101 (1924), 922

Manseau, A.

New indicator for acidimetry

Bull. Soc. Pharm., Bordeaux, 62 (1924), 196

Marvel, C. S., and du Vigneaud, V.

New reagent for the detection of nitrates and perchlorates

J. Am. Chem. Soc., 46 (1924), 2661

Sugden, Samuel

Determination of surface tension from the rise in capillary tubes

J. Am. Chem. Soc., 47 (1924), 60

Van Urk, H. W.

Behaviour of different ammonium salts toward Rother's reagent

Pharm. Weekbl., 62 (1925), 8

Ware, A. H.

Mitchell's ferrous tartrate reagent in qualitative analysis

Chem. & Drug., 101 (1924), 917

INORGANIC CHEMICALS.

Anon.

Russian iodine

Chem. & Drug., 102 (1925), 4

Anon.

Tests for barium sulphate for X-ray examinations

Chem. & Drug., 101 (1924), 918

Danckwortt, P. W.

Oxidation of arsenous acids in solution

Arch. Pharm., 262 (1924), 563

Maas, O., and Hiebert, P. G.

Properties of pure hydrogen peroxide

J. Am. Chem. Soc., 46 (1924), 2693

Rosenthaler, L.

Estimation of iron in reduced iron

Schweiz. Apoth.-Ztg., 62 (1924), 766

Scheringa, K.

Note on the storage of ammonium bromide

Pharm. Weekbl., 61 (1924), 1532

ORGANIC CHEMICALS.

Angeloni, D.

Preparation of potassium guaiacolsulphonate

Boll. Chim. Farm., 63 (1924), 529; through
Schweiz. Apoth.-Ztg., 62 (1924), 755

Brown, Robert J.

Effect of some inorganic salts on the polarization of sugar solutions

Ind. & Eng. Chem., 17 (1925), 39

Decio, A.

Preparation of potassium guaiacolsulphonate

Chem. & Drug., 101 (1924), 920

Denigès, G.

Identification of cystine by coloriscopy

Bull. Soc. Pharm., Bordeaux, 62 (1924), 183

Fuson, Reynold C.

Naphthalene and the centroid structure

J. Am. Chem. Soc., 46 (1924), 2779

Gilbert, Earl C.

Electrometric titration of hydrazine and its salts

J. Am. Chem. Soc., 46 (1924), 2648.

Gilman, Henry, and Parker, Harold H.

Reaction between organomagnesium halides and cupric chloride

J. Am. Chem. Soc., 46 (1924), 2823

Gomberg, M., and Snow, H. R.

Condensation of carbon tetrachloride and phenol

J. Am. Chem. Soc., 47 (1924), 198

Gore, H. C.

Effect of hydrogen-ion concentration on the estimation of diastatic power by the polarimetric method

J. Am. Chem. Soc., 47 (1924), 281

Kircher, A., and v. Ruppert, F.

Method for the estimation of arsenic in salvarsan and its derivatives

Arch. Pharm., 262 (1924), 613

Kolthoff, I. M.

Color reaction for glycerin

Pharm. Weekbl., 61 (1924), 1497

Koten, I. A., and Adams, Roger

Certain reactions of alkyl and aryl mercuric hydroxides

J. Am. Chem. Soc., 46 (1924), 2764

Mahood, S. A., and Harris, C. R.

Chemistry of furfural

J. Am. Chem. Soc., 46 (1924), 2810

Marvel, C. S., et al.

Synthesis of some possible precursors of lysine

J. Am. Chem. Soc., 46 (1924), 2838

Masriera, M.

Test for formic acid

Quim. Ind., 1 (1924), 141; through *Chem. & Ind.*, 43 (1924), B1029

Rassweiler, C. F.

Structure of dehydro-acetic acid

J. Am. Chem. Soc., 46 (1924), 2758

Roberts, K. C.

Preparation of ethyl acetate

Chem. & Drug., 101 (1924), 919

Roos, L.

Determination of alcohol

Ann. Falsif., 17 (1924), 410; through *Chem. & Ind.*, 43 (1924), 1029

Schlee, H., and Thiessenhusen, W.

Physico-chemical study of medicinal silver preparations

Ztschr. angew. Chem., 37 (1924), 837; through *Pharm. Weekbl.*, 61 (1924), 1467

CLINICAL AND DIAGNOSTIC METHODS.

Baechler, L.

Detection of blood with benzidine

Schweiz. Apoth.-Ztg., 63 (1924), 5

Verda, A., and Regazzoni, P.

Estimation of urea in the blood

Schweiz. Apoth.-Ztg., 63 (1924), 4

A PHARMACEUTICAL STUDY OF ACETYLSALICYLIC ACID.

BY HARRIET V. SNIDOW AND H. A. LANGENHAN.

No. 1 Historical.

Gerhard¹ is given credit for having been the first to prepare acetylsalicylic acid, using acetyl chloride and sodium salicylate as the reacting ingredients. He applied the name *Wasserfreie Salicylsäure Essigsäure* (anhydrous salicylic acetic acid), being of the opinion that the compound was the anhydride of the two acids. In 1859 von Gilm² reported the discovery of a crystalline substance obtained from chloracetyl and salicylic acid, which he called *acetylierte Salicylsäure* (acetylyzed salicylic acid). Kraut³ in 1869, determined the constitution of the chemical and named it *Acetylosalisäure* (Acetylsalicylic acid).

¹ *Liebig's annal. d. chem.*, v. 87, p. 162 (1853); (*Annal. de chim. et de physique*, v. 7 (series 3), p. 326 (1853); *Pract. Drug.*, v. 30 (Dec, 1912), p. 23.

² *Annal. d. chem.*, v. 112, p. 180 (1859).

³ *Ibid.*, v. 150, p. 9 (1896).