

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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APPARATUS AND MANIPULATIONS.

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Test-tube and filter stand for the dispenser
Apoth. Ztg., 44 (1929), 980

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Budde, Th.

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Determination of camphor in spirit of camphor

Pharm. Ztg., 74 (1929), 1053

Schöbel, Wolfgang

Preparation of infusions and decoctions with glass-filtration apparatus

Pharm. Ztg., 74 (1929), 949

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Fluidextract of *frangula*

Dansk Tids. Farm., 3 (1929), 208

Stainier, Carl

Scheme for the analysis of antineuralgic powders, cachets and tablets

J. pharm. Belg., 11 (1929), 533

Whitmore, Willet F., and Linehan, Richard E.

Transparent emulsions of some essential oils

Ind. & Eng. Chem., 21 (1929), 878

PHARMACOLOGY, TOXICOLOGY AND THERAPEUTICS.

Edmunds, Charles W., *et al.*

Proposed international standard for digitalis

Jour. A. Ph. A., 18 (1929), 778

Hartung, Walter H., and Munch, J. C.

Acyilaniline derivatives, a new series of anesthetics

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Hess, Alfred, *et al.*

Status of the therapeutics of irradiated ergosterol

J. A. M. A., 93 (1929), 661

Jones, P. H., and Turner, R. H.

Iodoxyquinoline sulphonic acid in the treatment of amoebic dysentery

J. A. M. A., 93 (1929), 583

Karr, W. G., *et al.*

Toxicity of synthalin

J. Pharmacol. & Exper. Therap., 36 (1929), 611

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Poisonous character of *Scrophularia nodosa*

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Mancini, Mario A.

Pharmacology of ethyl strychnine

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Meneghetti, E.

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Boll. Soc. Ital. Biol. Sper., 4 (1929), 133; through *Chem. Abstr.*, 23 (1929), 3746

Mercier, and Hamet

Uzara, a new remedy for dysentery and dysmenorrhoea

Schweiz. Apoth. Ztg., 67 (1929), 337

Swanson, Edward E.

Action of ephedrine, pseudoephedrine and epinephrine on the bronchioles

J. Pharmacol. & Exper. Therap., 36 (1929), 541

Tharaldsen, C. E.

Ceanothyn as a hemostatic

J. Am. Inst., Homeopathy, 22 (1929), 428; through *Chem. Abstr.*, 23 (1929), 3976

Ullman, H. C.

Lead in the treatment of cancer

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Van Winkle, R., and Christiansen, W. G.

Cause of irritation of 8-hydroxy quinoline compounds

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BOTANY AND PHARMACOGNOSY.

Brandrup, W.

Methods for the evaluation of pepsin with respect to their suitability for use in the pharmacy laboratory

Apoth. Ztg., 44 (1929), 953

Christensen, B. V.

Observations on the medicinal plants of Florida

JOUR. A. PH. A., 18 (1929), 790

Holmes, E. M.

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Pharm. J., 123 (1929), 194

Torricelli, Alfredo

Experimental study of the cultivation of medicinal plants in the Canton of Ticino

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ANIMAL AND VEGETABLE DRUGS.

Chen, Sze Yee

Phytochemical study of *Illicium religiosum*, Siebold

Am. J. Pharm., 101 (1929), 550

Kariyone, T., and Matsushina, G.

Constituents of *Swertia japonica*

J. Pharm. Soc. Japan, No. 569 (1929), 702

Kuwata, S.

Constituents of the bark of *Aralia chinensis*

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Markwell, W. A. N., and Walker, L. J.

Assay of *hyoscyamus* leaves and extract

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Paul, A. E., and Glycart, C. K.

Report on the assay of *ephedra*

J. A. O. A. C., 12 (1929), 290

Shinoda, J., and Kawagoye, M.

Constituents of the seeds of *Arctium Lappa*

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Synkovich, F. C.

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Assay of *belladonna*

Pharm. Weekbl., 66 (1929), 657

ALKALOIDS AND GLUCOSIDES.

Aoyama, S.

Saponin of *Panax repens*

J. Pharm. Soc. Japan, No. 569 (1929), 678

Baggesgaard-Rasmussen, H., and Martins, Ingeborg

Ionization constant of codeine

Dansk Tids. Farm., 3 (1929), 197

Bourcet, P.

Estimation of *pilocarpine*

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Fleischmann, Peter

Microchemical determination of *morphine*

Biochem. Z., 208 (1929), 368; through *Chem. Abstr.*, 23 (1929), 3774

Fulton, Charles C.

Identification of *atropine* with Wagner's reagent

J. A. O. A. C., 12 (1929), 312

Glycart, C. K.

Report on microchemical methods for *alkaloids*

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Jordan, C. B., and Klemme, Margaret

Chemical combination between *morphine* and *aspirin*

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Preparation of a heart-active glucoside from *Convallaria majalis*

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Kondo, H., and Narita, Z.

Dauricine*, an alkaloid from *Menispermum dauricum

J. Pharm. Soc. Japan, No. 569 (1929), 688

Lenormand, Henry

Preparation and properties of some double chlorides of *bismuth* and *quinine*

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Leubier, Albert, and Griffon, Henri

Colorimetric assay of the *strophanthins*

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Maricq, Louis

Electrometric methods and their application to the estimation of *alkaloids*

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Pappe, T. F.

Report on the determination of *pilocarpine* in tablets

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Polonoski, Max, and Michel

Nomenclature of the *alkaloids* and their derivatives

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Water content of strychnine sulphate

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Spacth, E.

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New reagent for the qualitative and quantitative determination of quinine

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ESSENTIAL OILS.

Nelson, E. K.

Report on the assay of chenopodium oil

J. A. O. A. C., 12 (1929), 303

Pigulevskii, G. V., and Iovyagin, Yu N.

Juniperus excelsa oil

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Van Itallie, L., and Harmsma, A.

Detection of parsely preparations

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OILS, FATS AND WAXES.

Briod, A. E., et al.

Some analytical aspects of cod liver oil

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Drummond, J. C., and Baker, L. C.

Composition of wood fat

J. Soc. Chem. Ind., 48 (1929), 232T

Horn, David Wilbur, and Osol, Arthur

Cacao butter

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Kawai, K.

Pharmacognostic studies on Japanese cod liver oil

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Schellbach, and Bodinus

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Van Itallie, E. I.

Thiocyanogen number of strophanthus oil and the oils of the chaulmoogra group

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INORGANIC AND THEORETICAL CHEMISTRY.

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Osmometer for the measurement of the osmotic pressure of colloids

J. pharm. chim., 10 (1929), 9

Hildebrand, J. H., and Wachter, A.

Melting points of normal paraffins

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Ionesco-Matiu, Al., and Popesco, A.

Assay of some medicaments by the mercurimetric method

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Krantz, John C., and Gordon, Neil E.

Effect of changes of hydrogen-ion concentration upon emulsions of the water-in-oil type

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Schnellbach, W.

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Solubility determinations of U. S. P. X Chemicals

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INORGANIC CHEMISTRY.

Brockman, Frank G.

Determination of mercuric iodide by iodate reactions

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Colombier, L.

Volumetric method for the determination of mercury

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Davy, Edward D.

Notes on the assay of sodium nitrite

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Dillon, Robert T., and Young, William G.

Preparation of anhydrous hydrogen iodide

J. Am. Chem. Soc., 51 (1929), 2389

Fouk, C. W., and Horton, P. G.

Preparation of antimony-free arsenious oxide

J. Am. Chem. Soc., 51 (1929), 2416

Neller, J. R.

Study of the accuracy of the Gutzeit method for arsenic

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Roe, R. S.

Report on the analysis of mercurials

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Wales, H.

Report on the determination of bromides and chlorides

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ORGANIC CHEMICALS.

Bailey, E. M.

Report on alcohol in drugs

J. A. O. A. C., 12 (1929), 261

Burlage, H. M.

Report on the determination of santonin

J. A. O. A. C., 12 (1929), 284

Dietzel, R., and Täufel, K.

Oxidizing properties and stability of chloramine in the dry state and in solution

Apoth. Ztg., 44 (1929), 989

Eaton, E. O.

Report on the analysis of laxatives and bitter tonics

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Elliott, F. L.

Report on the determination of menthol

J. A. O. A. C., 12 (1929), 300

François, N., and Sequin, L.

Estimation of methylene blue

J. pharm. chim., 10 (1929), 5

Freitag

Evaluation of aluminum acetate according to the German Pharmacopœia VI

Pharm. Ztg., 74 (1929), 1079

Hart, Leslie

Report on the determination of thymol

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Joslin, H. M.

Report on the determination of ether

J. A. O. A. C., 12 (1929), 288

Leffmann, Henry, and Pines, Charles C.

Notes on tests for methanol

Am. J. Pharm., 101 (1929), 584

Serke, Kurt

Testing of acetic acid with benzidin

Apoth. Ztg., 44 (1929), 1018.

Szancer, Henryk

Detection of phthalic acid diethyl ester in alcohol

Pharm. Zentralh., 70 (1929), 502

Van Italic, E. I.

Determination of iodine in organic combination

Pharm. Weekbl., 68 (1929), 629

Vorländer, D., and Guthke, F. W.

Action of alkaline solutions on chloroform

Ber. deutsch. chem. Gesell. (1929), No. 3; through *J. pharm. Belg.*, 11 (1929), 553

CLINICAL REAGENTS AND TESTS.

Fleury, P.

Technic for the determination of iron in blood

J. pharm. chim., 9 (1929), 561

ABSTRACTS OF PAPERS PRESENTED AT THE MEETING OF THE AMERICAN PHARMACEUTICAL ASSOCIATION IN RAPID CITY, DURING THE WEEK OF AUGUST 24TH.

SCIENTIFIC SECTION.

"A Study of the Stability of Solution of Arsenous and Mercuric Iodide U. S. P. X," by W. J. Husa and W. W. F. Enz.

The effect of 100 different substances on the stability of Donovan's solution were studied. Minimum deterioration occurred at pH of 4. Stability was increased by storage of completely filled amber bottles in refrigerator or by replacing air in the bottles with an inert gas. By a modification a more stable solution has been made. Light of the wave-lengths between 3200 and 4600 Å accelerates deterioration.

"Haziness of Final Chloroformic Extractions in Alkaloidal Assaying," by George E. Éwe.

Haziness may be due to almost colloidal suspension of trace of aqueous liquid extracted, which contaminates chloroformic extract with ammonium sulphate and water. Ammonia liberated during evaporation neutralizes some of sulphate readily. Means of insuring clarity outlined.

"The Influence of Light upon the Hydrogen-Ion Concentration and Stability of Certain Pharmaceuticals," by John C. Krantz, Jr., and C. Jelleff Carr.

The hydrogen-ion concentration changes in certain galenical preparations, namely, tincture of digitalis, elixir glycerophosphate comp., elixir of iron, quinine, strychnine, fluidextract of cascara and essence of pepsin under the influence of light of various wave-lengths were studied.

"Studies on the Acid-Base Equilibrium of Tincture of Digitalis," by John C. Krantz, Jr.

A study of the hydrogen-ion concentration of tincture of digitalis and its resistance to change upon the addition of acid and alkali.

"Effect of Buffering the External Phase upon the Stability of Emulsions," by John C. Krantz, Jr.

A study of the stability of emulsions of mineral oil and olive oil when the external phase is buffered to a definite hydrogen-ion concentration.

"Suggestions Relative to U. S. P. X Revision," by Jules Bebie.

Ether, alcohol and water solubilities, melting- and boiling-point determinations, and preparation of sample for arsenic test are discussed, and improvements suggested.