

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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PHARMACOPŒIAS AND FORMULARIES.

Smith, T. J.
Suggested reforms in the British Pharmacopœia weights and measures
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PHARMACEUTICAL PREPARATIONS.

Bonis, A.
Constitution of commercial glyzines (glycyrrhiza extracts)
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Percolation of alcoholic extracts and the rational preparation of extract of ergot
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Elphick, G. K.
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PHARMACOLOGY, TOXICOLOGY AND THERAPEUTICS.

Allan, H., and Gunn, J. A.
Pharmacological actions of tetrahydronorharman
Quart. J. Pharm. & Pharmacol., 2 (1929), 525
Burn, J. H.
Oral administration of powdered ergot
Quart. J. Pharm. & Pharmacol., 2 (1929), 515
Cole, Howard I.
Reduction of irritation by iodized ethyl esters of Hydnocarpus wightiana oil
Philippine J. Sci., 40 (1929), 499; through *Chem. Abstr.*, 24 (1930), 1466
Dawson, W. T., and Garbade, Francis A.
Idiosyncrasy to quinine, cinchonidine and ethylhydrocupreine and other lævorotatory alkaloids of the cinchona series
J. A. M. A., 94 (1930), 704
Hoyle, J. C.
Toxic effects of irradiated ergosterol
J. Pharmacol. & Exper. Therap., 38 (1930), 271
Perrins, Gordon
Quinine urethane injections
Pharm. J., 124 (1930), 214
Tainter, M. L., and Seidenfeld, M. A.
Actions of eriocomine, a constituent of *Eriocoma floribunda*
Jour. A. Ph. A., 19 (1930), 229
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Watt, J. M.

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Chemical assay of thyroid gland

Quart. J. Pharm. & Pharmacol., 2 (1929), 501
Middleton, G.

Estimation of iodine in thyroid gland, thyroxine and other organic compounds

Quart. J. Pharm. & Pharmacol., 2 (1929), 536

Valaer, Peter, Jr.

A study of the emodin-bearing group of cathartics

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ALKALOIDS AND GLUCOSIDES.

Abildgaard, Jens, and Baggesgaard-Rasmussen, H.

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Andant, A.

Fluorescence of alkaloids

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Bougalt, J.

Action of some organic bases and their hydrochlorides on calomel

Bull. acad. méd., 102 (1929), 235; through
Chem. Abstr., 24 (1930), 1466

Cavara, F., and Chistoni, A.

Morphine content of opium from hybrids of Papaver somniferum

Rend. accad. sci. Napoli, 35 (1929), 31; through
J. Soc. Chem. Ind., 49 (1930), 263

Ishikawa, Sheitsu, and Maruta, Shozaburo

Preparation of papaverine and thebaine from the residue left after the preparation of morphine

Bull. Hyg. Research Inst. Japan, 35 (1929), 19; through
Chem. Abstr., 24 (1930), 1183

Maricq, L.

Potentiometric determination of morphine by the acid of an iodomercuric reagent

Bull. soc. chim. Belg., 38 (1929), 265; through
J. pharm. chim., 11 (1930), 175

McCrea, Adelia

Comparative marrubiin content of Marrubium vulgare from European and American seed

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Regnier, Jean, and Mercier, Fernand

Pharmacological properties of the isomers of cocaine

Bull. sci. pharmacol., 37 (1930), 65

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Microchemical reactions of cocaine

Pharm. Weekbl., 67 (1930), 229

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Chem. & Drug., 112 (1930), 290

Romeo, Giovanni

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Revista Ital. Essence Prof., 11 (1929), 272; through
Chem. Abstr., 24 (1930), 1467

OILS, FATS AND WAXES.

Cole, Howard I.

Constituents of Hydnocarpus wightiana oil

Philippine J. Sci., 40 (1929), 499, through
Chem. Abstr., 24 (1930), 1466

Collin, G., and Hilditch, T. P.

Dika fat, a fat from various species of Irvingia

J. Soc. Chem. Ind., 49 (1930), 138 T

Collin, G., and Hilditch, T. P.

Fatty acids of nutmeg butter and expressed oil of laurel

J. Soc. Chem. Ind., 49 (1930), 141 T

Evers, Norman

Permanence of vitamine A in cod liver oil as shown by the color test

Quart. J. Pharm. & Pharmacol., 2 (1929), 556

Evers, Norman

Variations obtained by different observers with the antimony trichloride color test for cod liver oil

Quart. J. Pharm. & Pharmacol., 2 (1929), 566

Schou, Svend Aage, and Jacobsen, Astrid

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Dansk Tids. Farm., 4 (1930), 25

GENERAL CHEMISTRY.

Cocking, T. Tusting

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Quart. J. Pharm. & Pharmacol., 2 (1929), 570

Swift, Ernest H., et al.

Use of the iodine monochloride end-point in volumetric analysis

J. Am. Chem. Soc., 52 (1930), 894, 901

Van Zijp, C.
Contributions to microchemistry
Pharm. Weekbl., 67 (1930), 189

INORGANIC CHEMICALS.

Caley, Earle R.
Sensitivity and applicability of the picric acid test for potassium
J. Am. Chem. Soc., 52 (1930), 953

Fairhall, Lawrence T., and Richardson, John R.
Nephelometric analysis of zinc
J. Am. Chem. Soc., 52 (1930), 938

Fleury, Paul, and Marque, Jean.
Study of the comparative activity of some oxidizing agents on mercury with a view to the determination of the latter
J. pharm. chim., 11 (1930), 150

Pecker, Henri
Alteration of crystalline sodium monosulphide
J. pharm. chim., 11 (1930), 147

Stainier, Joseph
Experimental study of the reactions and procedures for the assay of mercury oxycyanide
J. pharm. Belg., 12 (1930), 213

ORGANIC CHEMICALS.

Bodendorf, K.
New method for the detection of isopropyl alcohol
Apoth.-Ztg., 45 (1930), 222

Charonnat, Raymond, and Delaby, Raymond
Constitution and synthesis of dioxypyridon
Bull. sci. pharmacol., 37 (1930), 37

Dott, D. B.
Acetylsalicylic acid in solution with potassium citrate
Pharm. J., 124 (1930), 214

Krüger, D., and Tschirch, E.
New reaction for acetic acid
Pharm. Zentralh., 71 (1930), 145

Leffman, Henry, and Pines, Charles C.
Quality of commercial ether
Am. J. Pharm., 102 (1930), 58

Nieuland, J. A., et al.
New method of preparing acetals
J. Am. Chem. Soc., 52 (1930), 1018

Rae, J.
Estimation of phenol in pharmaceutical preparations
Pharm. J., 124 (1930), 239

Schorr, E. J.
Quinoline hydrogen peroxide reagent. Color test for aloes
Pharm. J., 124 (1930), 212

Schwyzler, Julius
Manufacture of diethylbarbituric acid
Pharm. Ztg., 75 (1930), 337

Thompson, J. J., and Oakdale, U. O.
General method for the determination of halogens in organic compounds
J. Am. Chem. Soc., 52 (1930), 1195

Wagenaar, M.
Contribution to the microchemistry of cytosine
Pharm. Weekbl., 67 (1930), 205

PRODUCTION AND DISTRIBUTION.

BY DR. ROBERT J. MCFALL.*

Druggists have long realized the need for basic and comprehensive information concerning the various agencies and channels through which merchandise travels from producers to the final sale to consumers. The lack of such knowledge has placed wholesalers and retailers generally at a great disadvantage in the planning of their business. Production in both manufacturing and agriculture has been greatly benefited for many years by the availability of statistical information concerning production. There seems to be little or no question but that distribution will also receive enormous benefit as soon as more comprehensive statistical facts are available concerning marketing.

The average output per workers in production has increased 85 per cent since the beginning of the century and 34 per cent since the termination of the World War. No comparable figures are available to show the changes in efficiency in distribution, but the fact that production is taking a smaller and distribution an increasingly larger share of the consumer's dollar than before the war would make it appear that distribution has not increased in efficiency so rapidly as production.

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