

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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APPARATUS AND MANIPULATIONS.

- Hosking, J. R., and Short, W. F.
A new melting-point apparatus
Chem. Ind., 45 (1926), 89T
- Roozendaal, N. A.
The filling of ampules with viscous fluids
Pharm. Tijdschr. Nederl. Indie., 2 (1925), 92;
through *Pharm. Zentralh.*, 67 (1926), 137
- Trevan, J. W.
Micrometer syringe
Biochem. J., 19, No. 6, p. 1111; through
Chem. & Drug., 104 (1926), 442.

PHARMACEUTICAL PREPARATIONS.

- Gadamer, J., and Neuhoff, E.
Determination of alcohol content of tinctures
Chem. Zentr., I (1926), 189; through *J. Soc. Chem. Ind.*, 45 (1926), 214B
- Griffin, E. L.
A suggested change in the official method of assay of cresol in liquor cresolis compositus
JOUR. A. PH. A., 15 (1926), 196
- Gronberg, J.
Disintegration of pills prepared with "cenomassa" and other constituents
Pharm. Ztg., 71 (1926), 55; through *Chem. Abstr.*, 20 (1926), 1129
- Knaffl-Lenz
Assay of anthelmintics
Pharm. Weekblad, 63, p. 199; through *Drug Circ.*, 70 (1926), 146
- Kolthoff, I. M.
The microtitration of iodides with iodate and the determination of the iodide and ferrous iron content in syrup of ferrous iodide
JOUR. A. PH. A., 15 (1926), 164
- Schnellbach, W.
A new vermin eradicator
Schweiz. Apoth. Ztg., 64 (1926), 135
- Vahlteich, H. W.
Stability of official pepsin preparations
JOUR. A. PH. A., 15 (1926), 193.

PHARMACOLOGY AND THERAPEUTICS.

- Baldes, E. J., and Adams, S. F.
Spectrophotometric analysis of commercial insulin
Am. J. Physiol., 74 (1925), 309; through
Chem. Abstr., 20 (1926), 966
- Berardi, J. B., and Canan, M. C.
Chemical and biological assay of drugs.
I. Cascara Sagrada
JOUR. A. PH. A., 15 (1926), 189
- Buschke, A., and Peiser, B.
Toxicity of thallium salts
Klin. Wochschr., (Dec. 17, 1925); through
Chem. & Drug., 104 (1926), 450
- Castrey, M. W., and Spencer, W. P.
Action of adrenaline on the temperature of the brain
Am. J. Physiol., 71 (1925), 507; through
Bull. sci. pharmacol., 33 (1926), 180
- Coope, R.
Action of pituitrin on the fatty acids of the liver
J. Physiol., 59, Nos. 1 and 2 (1925), 69;
through *Bull. sci. pharmacol.*, 33 (1926), 189
- Coope, R.
Insulin and fatty degeneration of the liver produced by pituitrin
J. Physiol., 59, Nos. 1 and 2 (1925), 92;
through *Bull. sci. pharmacol.*, 33 (1926), 189
- Cori, C. F., and Cori, G. T.
Concentration of sugar in arterial and venous blood after insulin treatment
Am. J. Physiol., 71 (1925), 688; through
Bull. sci. pharmacol., 33 (1926), 179
- de Myttenaere
Arsenobenzenes, their composition, toxicity and their control
Bull. acad. roy. méd. Belg., [5], 5 (1925),
433; through *Chem. Abstr.*, 20 (1926), 965
- Fenn, W. O.
The active principles of the posterior lobe of the hypophysis
J. Physiol., 59, Nos. 4 and 5 (1924), Proc.;
through *Bull. sci. pharmacol.*, 33 (1926), 186

- Fleury, P.
Elimination of phenylethylalonyl urea
Répert. pharm., 37 (1926), 79
- Huggelt, A. St. G., and Mellanby, J.
Action of adrenaline on the central nervous system
J. Physiol., 59, Nos. 4 and 5 (1924), 387; through *Bull. sci. pharmacol.*, 33 (1926), 181
- Kay, H. D., and Smith, W.
Action of insulin on blood volume
J. Physiol., 59 (1925), Proc.; through *Bull. sci. pharmacol.*, 33 (1926), 191
- Kodana, S.
Action of chloroformic anesthesia and intravenous injections of chloral on the adrenaline secretion of the adrenals
Tôhoku J. Exp. Med., 5, Nos. 2 and 3 (1924), 149; through *Bull. sci. pharmacol.*, 33 (1926), 191
- Langecker, H., and Stross, W.
Measurement of the effect of insulin
Biochem. Z., 161 (1925), 295; through *Chem. Abstr.*, 20 (1926), 968
- Lemay, P., and Jaloustre, L.
Comparison of toxicity and action of atropine and the total alkaloids of belladonna
Bull. Acad. Méd. Ann., 94 (1925), 784; through *J. pharm. chim.*, 3 (1926), 255
- Levaditi, C., Girard, A., and Nicolau, S.
The treponemocidal action of gold and silver
Compt. rend. acad. sci., 181 (1925), 163; through *Bull. sci. pharmacol.*, 33 (1926), 187
- Lyon, D. M., and Sands, J.
Action of adrenaline on the pulse rate
Am. J. Physiol., 71 (1925), 534; through *Bull. sci. pharmacol.*, 33 (1926), 179
- McDowall, J. S., and Worsnop, B. L.
On the action of histamine
J. Physiol., 59, Nos. 4 and 5 (1924); through *Bull. sci. pharmacol.*, 33 (1926), 181
- Munch, J. C., and Schwartz, E. W.
Toxicity of alcohols
J. Lab. & Clin. Med., No. 10, 985; through *Chem. & Drug.*, 104 (1926), 446
- Nakamura, M.
Action of drugs on intestinal absorption
Tôhoku J. Exp. Med., 5 (1924), 29; through *Bull. sci. pharmacol.*, 33 (1926), 191
- Nestler, A.
Irritating action of domestic spurge on the skin
Pharm. Zentralh., 67 (1926), 161
- Raper, H. S., and Smith, E. C.
The direct action of insulin on the metabolism of fats
J. Physiol., 50, Nos. 1 and 2 (1925) 41; through *Bull. sci. pharmacol.*, 33 (1926), 188
- Régnier, J., and Sallé, P.
Pharmacodynamic study of some mono and dialcoxylated benzhydrylamines
Bull. sci. pharmacol., 33 (1926), 148
- Ross, V.
Presence of insulin in beef pancreas
Am. J. Physiol., 74 (1925), 579; through *Chem. Abstr.*, 20 (1926), 966
- Rothlin, E.
Pharmacological characterization of the alkaloids of belladonna
Pflüger's Arch. ges. Physiol., 206, Nos. 4 and 5 (1924), 614; through *Bull. sci. pharmacol.*, 33 (1926), 182
- Simonnet, H., and Tanret, G.
The action of ergotinine on the uterus of the guinea-pig
Bull. sci. pharmacol., 33 (1926), 129
- Sybrandy, B.
Comparative study of various insulin preparations
Nederland. Tijdschrift Geneeskunde, II, 69 (1925), 2776; through *Chem. Abstr.*, 20 (1926), 965
- Taylor, T. C., Braun, C. E., and Scott, E. L.
Studies on the ultrafiltration and electro-dialysis of insulin
Am. J. Physiol., 74 (1925), 539; through *Chem. Abstr.*, 20 (1926), 966
- Trocello, E., and Cruto, A.
Further researches on the preservation of insulin
J. Trop. Med., 29 (1926), 1; through *Chem. Abstr.*, 20 (1926), 1130
- Visscher, M. B., and Green, R. G.
Insulin and body temperature
Am. J. Physiol., 71 (1925), 502; through *Bull. sci. pharmacol.*, 33 (1926), 179
- Voegtlín, C., Dunn, E. R., and Thompson, J. W.
Antagonistic action of certain sugars, amino-acids and alcohols to insulin intoxication
Am. J. Physiol., 71 (1925), 574; through *Bull. sci. pharmacol.*, 33 (1926), 179

GENERAL BOTANY AND BACTERIOLOGY.

- Violle
Antimicrobic action of chloropicrin
Compt. rend. acad. sci. (Jan. 25, 1926); through *Répert. pharm.*, 37 (1926), 80

VEGETABLE AND ANIMAL DRUGS.

- Schmuck, A.
A study of the resins and aromatic substances of tobacco

- Inst. Exptl. Tobacco Culture*, Krasnodar (Russia), No. 20 (1924), 5; through *Chem. Abstr.*, 20 (1926), 967
- Trankvilitskaya, N. A.
- Distribution of resins in tobacco**
- Inst. Exptl. Tobacco Culture*, Krasnodar (Russia), No. 20 (1924), 14; through *Chem. Abstr.*, 20 (1926), 967.
- ALKALOIDS AND GLUCOSIDES.
- Anon
- Determination of alkaloids in lupins**
- Mach. Landw. Vers.-Stat.*, 104 (1925), 226; through *J. Soc. Chem. Ind.*, 45 (1926), 214B
- Anastasi, C.
- Julocroton montevidensis**
- Revista Farm.* (July 1925); through *Chem. & Drug.*, 104 (1926), 448
- Bernhardt, P.
- Acetic ether for opium assay**
- Latvijas Farm. Zurnal* (Jan. 1926); through *Chem. & Drug.*, 104 (1926), 438
- Clark, A. H.
- The alkaloids of Ceanothus americanus**
- Am. J. Pharm.*, 98 (1926), 147
- Dávid, L.
- Cinchona assay**
- Pharm. Ztg.* (Jan. 6, 1926); through *Chem. & Drug.*, 104 (1926), 438
- Dávid, L.
- Determination of quinine**
- Pharm. Ztg.*, 71 (1926), 26; through *J. Soc. Chem. Ind.*, 45 (1926), 172B
- Debucquet, L.
- Arsenical emetics of pyridine, quinoline and some alkaloids**
- J. pharm. chim.* [8], 1 (1925), 571 and *Ibid.*, 2 (1925), 5; through *Chem. Abstr.*, 20 (1926), 1131
- De Laet, M.
- Spectrographic identification of alkaloids**
- Ann. méd. légal*, 1 (1921), 148; through *Chem. Abstr.*, 20 (1926), 1130
- Ekkert, L.
- Contribution to the reaction of alkaloids with furfrol-sulphuric acid**
- Pharm. Zentralh.*, 67 (1926), 179
- Eschenbrenner, H.
- Jaborandi alkaloids**
- Pharm. Ztg.*, 70 (1925), 1560; through *Chem. Abstr.*, 20 (1926), 1129
- Fabre, R.
- A new method of extraction of alkaloids or other organic compounds contained in tissues**
- Schweiz. Apoth. Ztg.*, 64 (1926), 104
- Fleischhacker, H.
- Bulbocapnine hydrochloride**
- Deut. med. Wochschr.* (Feb. 26, 1926); through *Chem. & Drug.*, 104 (1926), 448
- François, M., and Seguin
- Iodobismuthate of amorphous quinine**
- Répert. pharm.*, 37 (1926), 68
- Goodson, J. A., and Henry, T. A.
- Echitamine**
- Wellcome Chem. Research*; through *Am. J. Pharm.*, 98 (1926), 179
- Majima, R., Sugiuomé, H., and Morio, S.
- The separation of japaconitine as different isomers**
- Ber.*, 50B (1924), 1456; through *J. pharm. chim.*, 3 (1926), 256
- Martindale, W. H.
- Quinine and other alkaloidal injections**
- Lancet*, I (1926), 455; through *Chem. & Drug.*, 104 (1926), 450
- Messner, J.
- Separation of cinchona alkaloids**
- Pharm. Zentralh.*, 67 (1926), 146
- Michiels and Leroux.
- Studies on Rubiaceae alkaloids and observations on gelsemine and yohimbine**
- Bull. acad. roy. méd. Belg.* [5], 5 (1925), 403; through *Chem. Abstr.*, 20 (1926), 964
- Polonovski, M., and M.
- Alkaloids with attenuated toxicity**
- Chem. & Drug.*, 104 (1926), 438
- Rosenthaler, v. L.
- Microchemical reactions of tutocaine**
- Pharm. Zentralh.*, 67 (1926), 179
- Rundshagen, H.
- Determination of nicotine**
- Chem.-Ztg.* (Jan. 16, 1926); through *Chem. & Drug.*, 104 (1926), 441
- OILS, FATS AND WAXES.
- André, Em.
- Oils of the chaulmoogric group**
- Compt. rend.*, 181 (1925), 1089; through *Chem. Abstr.*, 20 (1926), 1130
- Lührig, H.
- Contribution to the valuation of cacao**
- Pharm. Zentralh.*, 67 (1926), 129.
- Thomas, A. W., and Mattikow, M.
- Method for the direct identification of rape seed oil by isolation of erucic acid**
- J. Am. Chem. Soc.*, 48 (1926), 968
- ESSENTIAL OILS.
- Anon.
- Essential oil of camphor leaves and twigs**
- Bull. Imp. Inst.*, 23 (1925), 421; through *J. Soc. Chem. Ind.*, 45 (1926), 215B

- Anon
Essential oil of massoi bark
Bull. Imp. Inst., 23 (1925), 423; through
J. Soc. Chem. Ind., 45 (1926), 215B
Anon
Essential oil of origanum maru
Bull. Imp. Inst., 23 (1925), 426; through
J. Soc. Chem. Ind., 45 (1926), 215B
Anon
Medamy losoh oil
Bull. Imp. Inst., 23 (1925), 428; through
J. Soc. Chem. Ind., 45 (1925), 215B
Dafert, O., and Kwizda, R.
Haemolytic determination of essential oils
Heil. u. Gewürz-Pflanzen, 8, No. 3 (1926);
through *Chem. & Drug.*, 104 (1926), 448
Etablissements, A. Chiris
Oil of cedar from British East Africa
Parfum. de France, No. 35 (1926), 22; through
Chem. Abstr., 20 (1926), 1130
Fellenberg
Tests for rancidity
Pharm. Weekblad, 63 (1926) 122; through
Drug. Circ., 70 (1926), 145
Huerre, R.
Pyrogenic oil of thuga
J. pharm. chim., 3 (1926), 197
Kafuku, K., and Kawaguti, K.
On properties of camphor oils obtained from different parts of the plant
J. Pharm. Soc. Japan, 528 (1926), 13
Paget, H.
Determination of ascaridole in chenopodium
Chem. & Drug., 104 (1926), 448
Schmuck, A.
Ethereal oils of tobacco
Inst. Exptl. Tobacco Culture, Krasnodar,
No. 19 (1924), 1; through *Chem. Abstr.*,
20 (1926), 967
Thoms
Detection of diethylphthalate in ethereal oils
Apoth. Ztg., 40, p. 196; through *Drug. Circ.*,
70 (1926), 145
Viard, M.
Terpeneless essential oils
Parfums de France, No. 35 (1926), 10; through
Chem. Abstr., 20 (1926), 1130

MISCELLANEOUS PLANT CONSTITUENTS.

- Ahmann, C. F., and Hooker, A. D.
Determination of pectin
Ind. Eng. Chem., 18 (1926), 412
Francois, M., and Seguin, L.
Study of the juice of the black currant and reactions of orchid
J. pharm. chim., 3 (1926), 241

- Krever, K. J.
Chemical composition of some varieties of Russian tobacco
Inst. Exptl. Tobacco Culture, Krasnodar (Russia), No. 23 (1924); through *Chem. Abstr.*, 20 (1926), 967
Pater, B.
Ash content of plantain (*Plantago lanceolata*)
Pharm. Monatsh., 6 (1925), 217; through
Chem. Abstr., 20 (1926), 965

GENERAL AND PHYSICAL CHEMISTRY.

- Figdor, W.
Application of micromethods to control work in pharmaceutical manufacturing
Am. J. Pharm., 98 (1926), 157
Richter, E.
Protective coating for corks
Apoth. Ztg. (Jan. 2, 1926); through *Chem. & Drug.*, 104 (1926), 445.

INORGANIC CHEMICALS.

- Denigès, G.
Study of Millon's reagent
Bull. soc. pharm. Bordeaux, 1 (1926), 3
Griffiths-Jones, E.
Lead and arsenic in tartar emetic
Lancet, I (1926), 195; through *Chem. & Drug.*, 104 (1926), 439
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Assay of sodium bicarbonate
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Little, E.
The determination of acidity
Jour. A. Ph. A., 15 (1926), 178
Lynn, E. V., and Shoemaker, H. A.
The chemistry of nitrosyl chloride
Jour. A. Ph. A., 15 (1926), 174

ORGANIC CHEMICALS.

- Anon
Iron carbonyl
Umschau, 29 (1925), 1007; through *Pharm. Zentralh.*, 67 (1926), 149
Gelarie, A. J., and Greenbaum, F. R.
On the instability of the sodium salt of benzoylhydrogen peroxide
Am. J. Pharm., 98 (1926), 163

- Hiers, G. S., and Adams, R.
Synthesis of dihydrochaulmoogric and dihydrohydnocarpic acids containing a cyclohexyl in place of a cyclopentyl group. III
J. Am. Chem. Soc., 48 (1926), 1089
- Lewis, W. L., and Bent, H. E.
A study of 3,4-diamino-phenylarsonic acid and some of its derivatives
J. Am. Chem. Soc., 48 (1926), 949
- Maass, O.
Properties of pure hydrogen peroxide
Pharm. Era, 62 (1926), 31
- Maurin, E.
Investigation of the anthracene derivatives of "rumex" and "polygonum"
Bull. sci. pharmacol., 33 (1926), 138
- Miyamichi, E.
On the formation of the thiazole nucleus from acylated amino acid esters
J. Pharm. Soc. Japan, 528 (1926), 103
- Murayama, Y., and Arihara, C.
Studies on the camphor group. III
J. Pharm. Soc. Japan, 528 (1926), 101
- Newcomb, C.
Determination of alcohol and ethyl chloride in chloroform
Analyst, 51 (1926), 19; through *J. Soc. Chem. Ind.*, 45 (1926), 172B
- Noller, C. R., and Adams, R.
Synthesis of dihydrochaulmoogric and dihydrohydnocarpic acids. II
J. Am. Chem. Soc., 48 (1926), 1080
- Pauchard, E.
Contribution to the iodometric estimation of aldehydic sugars
J. pharm. chim., 3 (1926), 248
- Phelps, E. P., and Rowe, A. W.
Ether studies. III. Quantitative determination of aldehyde as a contaminant.
J. Am. Chem. Soc., 48 (1926), 1049
- Romijn and Kohn
Determination of chlorides, bromide and sulfocyanates in presence of cyanides
Z. anal. Chem., 65, 433; through *Drug. Circ.*, 70 (1926), 145
- Schuette, H. A., and Harris, L. E.
Isopropanol as a substitute for ethanol. I. The determination of saponification numbers
JOUR. A. PH. A., 15 (1926), 166
- Schuette, H. A., and Harris, L. E.
Isopropanol as a substitute for ethanol. II. The titer test
J. Am. Chem. Soc., 15 (1926), 169
- Tapley, M. W., and Giesy, P. M.
The preparation of tribromhydrin and propadiene
JOUR. A. PH. A., 15 (1926), 173
- Thoms
Detection of diethylphthalate in alcohol
Apoth. Ztg., 39, p. 1426; through *Drug. Circ.*, 70 (1926), 145
- Valeur, A., and Launoy, L.
Some observations on the D. M. index for the analysis of arsenobenzenes
J. pharm. chim., 3 (1926), 193
- Vanino, L., and Guyot, O.
On the salts of anhydromethylenecitronic acid
Arch. Pharm., 2 (1926), 113
- CLINICAL AND DIAGNOSTIC METHODS.**
- Fearon, W. R.
Simple test for bile
Lancet, I (1926), 291; through *Chem. & Drug.*, 104 (1926), 441

PIERRE POMET, A SEVENTEENTH CENTURY WORKER FOR PURE DRUGS, SPICES AND FOODS.*

BY L. F. KEBLER.¹

In order to understand existing conditions, it is necessary to know something of the efforts of the past. I shall therefore briefly note a few historical features, undoubtedly well known to Monsieur Pomet, a man of the highest ideals.

The striving for pure foods and drugs antedates the memory of man. Pliny's Natural History, written about 77 A.D., is one of the oldest source of information available to us. Much of what he says was common knowledge in his time. He simply recorded current information, including the wheat and some chaff, in his

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¹ Bureau of Chemistry, Washington, D. C.