

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Conducted by H. V. Arny, Reporter on the Progress of Pharmacy, Chairman of the Committee on Research.

On these pages, each month, will be found a list of articles on pharmaceutical research that appear in the pharmaceutical and other scientific journals of the world. Whenever possible, the list appearing a certain month will record articles appearing in American journals of the preceding month and articles appearing in foreign journals will be recorded as quickly as possible after the journals reach the Reporter.

All articles appearing in these lists will be presented in abstract form in the bound volumes of the YEAR BOOK which will be issued as soon after the end of the year represented as editing and printing conditions permit. Those desiring abstracts immediately can obtain same for a fee of one dollar each by communicating with H. V. Arny, 115 West 68th St., New York, and arrangements can also be made for securing photographic reproductions of entire articles at moderate prices when such are desired.

APPARATUS AND MANIPULATIONS.

Andrew, G. O.

Incompatibility between ammonia and alkaloidal drugs

Pharm. J., 107 (Dec. 31, 1921), 542

Halphen, H.

Standardized medicine dropper

Pharm. Zent., 62 (Dec. 15, 1921), 767

Klein, H.

Spritz-bottle with continuous stream

Chem. Ztg.; through *Pharm. Zent.*, 62 (Dec. 15, 1921), 769

PHARMACEUTICAL PREPARATIONS.

Broeksmit, T. C. N.

Zinc-boric acid eye water

Pharm. Weekbl., 58 (Dec. 3, 1921), 1569

Cappenberg, H.

Preparations of *Capsella bursa pastoria*

Pharm. Zent., 62 (Dec. 8, 1921), 751

Fischer and Necker

Action of indicators on soap

Chem. Umschau; through *Drug. Circ.*, 66 (Jan. 1922), 22

François, M.

Assay of mercury in mercurial pills

J. pharm. chim., 24 (Nov. 16, 1921), 369

Greenish, H. G., and Pearson, C. E.

Volatile oils in pills

Chem. and Drug., 95 (Dec. 17, 1921), 801

Heinrichsen, F.

Hypodermic injections of camphorated oil

Münch. med.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 795

Jones, A. J.

Preservation of aspirin tablets

Chem. & Drug., 95 (Dec. 10, 1921), 749

Kunz-Krause, H.

Presence of ellagic acid in raspberry juice

Arch. Pharm., 259 (Dec. 1921), 193

Lewis, D. S., and Moffatt, C. F.

Standardizing digitalis preparations

J. Canada Med. Assoc.; through *Pharm. J.*, 107 (Dec. 24, 1921), 522

Marsek, F. A.

Liquid creams and lotions

Am. Perf.; through *Spatula*, 28 (Dec. 1921), 112

Nutter-Smith, A.

Aspirin tablets

Chem. & Drug., 95 (Dec. 10, 1921), 779

Roos, A.

Aromatic vinegar

Farm. Revy.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 792

Schelenz, H.

History of emulsions

Schweiz. Apoth. Ztg., 59 (Dec. 8, 1921), 657

Schou, S.

Preparation and stability of Carrel-Dakin solution

Pharm. J., 107 (Dec. 10, 1921), 466

Vermet, J. J.

Liquor Erodii

Pharm. Weekbl., 58 (Dec. 31, 1921), 1691

Wiechowski,

Aluminum oleate dusting powder

Münch. med. Wsch.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 791

GENERAL BOTANY AND BACTERIOLOGY

Anon

Bacterially tainted money

Am. J. Pharm., 93 (Dec. 1921), 49

Caballero, A.

Combatting the malaria mosquito with *Chara-foetida*

Bull. sci. pharm.; through *Pharm. Weekblad.*, 58 (Dec. 24, 1921), 1670

D'Hercle, F.

Bacteria-dissolving ultramicrobe

Am. J. Pharm., 93 (Dec. 1921), 46

Lloyd, J. U.

Plant constituents

Am. J. Pharm., 93 (Dec. 1921), 861

Mirande

Hydrogen sulphide from plants

L'Union pharm.; through *Drug. Circ.*, 66 (Jan. 1922), 21

Muller, E. K.

Killing bacteria by magnetism

Sci. An.; through *Merck's Rept.*, 31 (Jan. 1922), 17

True, R. H.

Significance of calcium in higher green plants

Science, 55 (Jan. 6, 1922), 1

Wester, D. H.

Manganese content of Netherland seed

Pharm. Weekbl., 58 (Dec. 17, 1921), 1613

THERAPEUTICS AND NEW REMEDIES.

Caroselli, A.

Carbolineum

Chem. Ztg.; through *Pharm. Ztg.*, 66 (Dec. 7, 1921), 1059

Fischer, J. F.

Incitamin

Lancet; through *Pharm. J.*, 107 (Dec. 10, 1921), 469

Fischer, O., and Goldschmidt, T.

Caral

Dtsch. med.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 795

Myers and Kilian

Effect of cinchophen and tolysin on the renal excretion

J. Pharmacol. Exp. Ther.; through *Am. J. Pharm.*, 93 (Dec. 1921), 875

Widal, E., Abrami, P., and Hutinel, J.

Functionation of the liver during surgical anesthesia

Compt. rend.; through *J. pharm. chim.*, 24 (Nov. 1, 1921), 355

VEGETABLE AND ANIMAL MATERIA MEDICA.

Claremont, C. L.

Use of red squill in rat poisons

Chem. News, 123 (Dec. 16, 1921), 323

Franzen, H., and Schuhmacher, E.

The acids of Ribes rubrum

Z. physiol. Chem.; through *Schweiz. Apoth. Ztg.*, 59 (Dec. 29, 1921), 700

Guttman

Anhalonium intoxication

Berl. klin. Wsch.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 794

Hahmann, C.

Anatomy and uses of Copernicia cerifera

Arch. Pharm., 259 (Dec. 1921), 176

Kryz, F.

Dangerous adulterants of poppy seed

Chem. Zent.; through *Pharm. Zent.*, 62 (Dec. 1, 1921), 744

Marsh, Clawson and Couch

Helenium hoopesii as a poisonous weed

U.S. Dept. Agric. *Bull.*; through *Am. J. Pharm.*, 94 (Jan. 1922), 62

Murayama, Y.

Constituents of Conioselinum univittatum

J. Pharm. Soc. Japan, 477 (Nov. 1921), 951

Murayama, Y., and Mayeda, K.

Kava-kava resin

J. Pharm. Soc. Japan, 477 (Nov. 1921), 959

Muszynski, J.

Polish foxglove

Pharm. J., 107 (Dec. 3, 1921), 443

Perkin, A. G., and Ugeda, Y.

Constituents of the leaves of Acer ginalla

Chem. & Drug., 95 (Dec. 10, 1921), 768

Rosenthaler, L.

Ratio between total nitrogen and alkaloid content

Ber. dtsh. Pharm. Ges., 31 (Nov. 1921), 408

Sarin, E.

The chemistry of the formation and ripening honey

Schweiz. Apoth. Ztg., 59 (Dec. 8, 1921), 661

Schou

New assay of cinchona

Arch. Pharm. og. Chem.; through *Pharm. Zent.*, 62 (Dec. 22, 1921), 790

Shimo, K.

Constituents of Phillodendron amurense

Sci. Rep. Tohoku Univ.; through *J. Soc. Chem. Ind.*, 40 (Dec. 31, 1921), 902A

Shorten and Ray

Antiscorbutic value of sun dried vegetables

Biochem. J.; through *Drug. Circ.*, 66 (Jan. 1922), 22

Ugarte, T.

Assay of caffeine drugs

J. pharm. chim., 24 (Nov. 16, 1921), 387

Von Dafert, O.

Effect of daylight on activity of digitalis

Biedermann's Zent.; through *J. Soc. Chem. Ind.*, 40 (Dec. 31, 1921), 902A

Weber, H. B.

Alkaloidal content of nux vomica and kola

Ber. dtsh. Pharm. Ges., 31 (Nov. 1921), 396

Zell, T.

Ambergris

Schimmel's Rept.; through *Merck's Rept.*, 31 (Jan. 1922), 16

Zondek, S. G.

Pharmacologic assay of *Convallaria majalis*
Arch. Exp. Path. Pharmacol.; through *Am. J. Pharm.*, 93 (Dec. 1921), 874

GENERAL AND PHYSICAL CHEMISTRY.

Durand, A.

Theory of smell

Schimmel's Rept.; through *Merck's Rept.*, 31 (Jan. 1922), 18

Herzog, J.

Testing of medicines

Ber. disch. Pharm. Ges., 31 (Nov. 1921), 373

INORGANIC CHEMICALS.

Cattelain, M.

Washed potassium antimoniate

J. pharm. chim., 24 (Nov. 1, 1921), 331

Cawston, F. G.

Colloidal antimony in leprosy

Brit. Med. J.; through *Merck's Rept.*, 31 (Jan. 1922), 18

Creighton H. J. M.

Electrolytic concentration of nitric acid

J. Frank Inst., 193 (Jan. 1922), 97

Denham, H. G.

Certain sub-salts of bismuth

J. Am. Chem. Soc., 43 (Nov. 1921), 2367

Falciola, P.

Sensitive copper test

Giorn. Chim. Ind., 40 (Dec. 31, 1921), 904A

Glasstone, S.

Solubility of lead monoxide

Trans. Chem. Soc.; through *J. Soc. Ch m. Ind.*, 40 (Dec. 15, 1921), 846A

Kolthoff, I. M.

Assay of small quantities of bromides and chlorides in iodides

Pharm. Weekbl., 58 (Dec. 3, 1921), 1568

Kolthoff, I. M., and Cremer, C. J.

Iodometric assay of copper and arsenic in Paris green

Pharm. Weekbl., 58 (Dec. 17, 1921), 1620

Kolthoff, I. M.

Separation of silver from mercury

Pharm. Weekbl., 58 (Dec. 31, 1921), 1680

Langhans

Sodium sulphantimonate as a reagent

J. Soc. Ch m. Ind.; through *Merck's Rept.*, 31 (Jan. 1922), 13

Monasch, E.

Titration of zinc

Pharm. Weekbl., 58 (Dec. 24, 1921), 1652

Njegovan

Detection of antimony

Chem. Ztg.; through *Drug. Circ.*, 66 (Jan. 1922), 21

Pietravalle

Preparing colloidal gold

J. Am. Med. Assoc.; through *Am. J. Pharm.*, 94 (Jan. 1922), 65

Schultze

Testing protargol

Apoth. Ztg.; through *Pharm. Ztg.*, 66 (Dec. 3, 1921), 1044

Turrentine, J. W., and Tanner, H. G.

Potash from kelp

J. Ind. Eng. Chem., 14 (Jan. 1922), 19

Zwiknagl, K.

Electrolytic arsenic test

Chem. Ztg.; through *Pharm. Weekbl.*, 58 (Dec. 10, 1921), 1600

ORGANIC CHEMICALS.

Acel, D.

Micro-analysis of nitrogen

Biochem. Zsch.; through *Pharm. Ztg.*, 66 (Dec. 7, 1921), 1058

Adams, C. E., and Williams, R. J.

Preparation of acetaldehyde

J. Am. Chem. Soc., 43 (Nov. 1921), 2420

Anon

Hydrogenation of hydrocarbons, alkaloids and coal

J. Soc. Chem. Ind., 40 (Dec. 15, 1921), 445R

Anon

Ichthyol nonsense

Merck's Rept., 31 (Jan. 1922), 8

Ayres, S.

Phenolphthalein dermatitis

J. Am. Med.; through *Pharm. J.*, 107 (Dec. 24, 1921), 522

Beates, Henry

Proper dose of digitalin

Merck's Rept., 31 (Jan. 1922), 4

Christiansen, W. G.

Synthesis and toxicity of arsphenamine

J. Am. Chem. Soc., 43 (Oct. 1921), 2202

Cofman-Nicoresiti, C. A.

Absorption of volatile oils by fatty acids

Chem. & Drug., 95 (Dec. 31, 1921), 854

Damelopolu, D.

Strophanthin in fractioned doses

Presse Med.; through *Pharm. J.*, 107 (Dec. 3, 1921), 449

Dichhart, W. H., and Trevithick, H. P.

Kapok oil

Am. J. Pharm., 93 (Dec. 1921), 35

Eaton, E. O.

Monobromated camphor

J. Ind. Eng. Chem., 14 (Jan. 1922), 24

Ekkert, L.

Color tests for phenacetine and acetanilid

Pharm. Zent., 62 (Dec. 1, 1921), 735

- Emery, W. O., and Wright, C. D.
Distribution of certain drugs between immiscible solvents
J. Am. Chem. Soc., 43 (Nov. 1921), 2323
- Gadamer, J., and John, C.
Detection of ecgonin
Arch. Pharm., 259 (Dec. 1921), 227
- Goris, A., and Larssonneau, A.
Detecting small quantities of pyridine
Bull. Sci. Pharmacol.; through *Pharm. J.*, 107 (Dec. 10, 1921), 469
- Hardy, P.
Cocaine and Vitali's reaction
J. pharm. chim., 24 (Nov. 1, 1921), 325
- Heiduschka, A., and Englert, T.
Glycerin assay
Pharm. Weekbl., 58 (Dec. 24, 1921), 1669
- Herissey, H.
Synthesizing action of methyl mannosidase
J. pharm. chim., 24 (Nov. 1, 1921), 321
- Hewitt, H. W.
Picric acid for skin sterilization
Am. J. Obstet.; through *Am. J. Pharm.*, 94 (Jan. 1922), 65
- Holde, D., and Jacke, I.
Anhydrides of the higher fatty acids
Chem. Ztg.; through *Pharm. Ztg.*, 66 (Dec. 7, 1921), 1058
- Holm, K.
Solubility of certain chemicals in glycerin
Pharm. J., 107 (Dec. 31, 1921), 538
- Horrmann, P., and Bischof, F.
Picrotin ketone
Arch. Pharm., 259 (Dec. 1921), 165
- Horton, E.
Assay of starch with takadiastase
J. Agric. Sci.; through *Am. J. Pharm.*, 94 (Jan. 1922), 59
- Hoyt, L. F., and Pemberton, H. W.
Assay of glycerin in the presence of sugars
J. Ind. Eng. Chem., 14 (Jan. 1922), 54
- Iwamoto, Y.
Oil of *Lindera obtusiroba*
J. Chem. Ind. Japan; through *J. Soc. Chem. Ind.*, 40 (Dec. 15, 1921), 856A
- Jaeger, E.
Pharmacology of adrenalone
J. pharm. chim., 24 (Nov. 1, 1921), 361
- Justin-Mueller, E.
Orcinic reaction of fufurfol
J. pharm. chim., 24 (Nov. 1, 1921), 334
- Kermack, W. O., Perkin, W. H., and Robinson, R.
Harmine and harmaline
Trans. Chem. Soc.; through *J. Soc. Chem. Ind.*, 40 (Dec. 15, 1921), 869A
- Kobayaski, K.
Origin of Japanese petroleum
J. Chem. Ind. Japan; through *J. pharm. chim.*, 24 (Nov. 16, 1921), 393
- Langworthy and Deuel
Digestibility of crude starches
J. Pharm. Belg.; through *Drug. Circ.*, 66 (Jan. 1922), 21
- Penfold, A. R.
A new phenol in oil of *Leptospermum flavescens*
Perf. Ess. Oil. Rec.; through *J. Soc. Chem. Ind.*, 40 (Dec. 12, 1921), 870A
- Picon, M.
Preparation of mercury methyl-arsinate and of its intravenous solutions
J. pharm. chim., 24 (Nov. 16, 1921), 379
- Prutti and Curzie
Testing castor oil for purity
Chem. Umschau; through *Pharm. Zent.*, 62 (Dec. 1, 1921), 741
- Quaintance, A. L.
Para-dichlorobenzene as insecticide
Farmer's Bull.; through *Merck's Rept.*, 31 (Jan. 1922), 20
- Reclaire, A.
Phenylacetaldehyde assay
Perf. Ess. Oil. Rec.; through *J. Soc. Chem. Ind.*, 40 (Dec. 15, 1921), 869A
- Schweizer, K.
Glycerin from alcoholic fermentation
Chim. et. Ind.; through *Merck's Rept.*, 31 (Jan. 1922), 6
- Simonsen, J. L.
Piperitone from the volatile oil of *Andropogon iwarancusa*
Trans. Chem. Soc.; through *J. Soc. Chem. Ind.*, 40 (Dec. 15, 1921), 869A
- Stedem, F. W.
Purified petroleum benzin
Bull. Pharm., 35 (Dec. 1921), 515
- Tanret, G.
Ammonium molybdoquinat
J. pharm. chim., 24 (Nov. 16, 1921), 399
- Troeger, J., and Schwarzenberg, K.
A new basic decomposition product of cocaine
Arch. Pharm., 259 (Dec. 1921), 207
- Wischo, F., and Zechner, L.
Relative activity of sterilized and unsterilized adrenalin solutions
Pharm. Monatsh.; through *Pharm. Ztg.*, 66 (Dec. 3, 1921), 1044
- Wiebelitz, H.
Testing santolin for adulterants
Pharm. Ztg., 66 (Dec. 14, 1921), 1088

Warden, C. G.

Nature of alcoholic fermentation

Am. J. Physiol.; through *Pharm. J.*, 107 (Dec. 31, 1921), 538

CLINICAL AND DIAGNOSTIC METHODS.

Grigau and Thiery

Assay of nitrogen in urine

L' Union; through *Drug Circ.*, 66 (Jan. 1922), 22
Scharf, R.

Test for acetone in urine

Med. Klin.; through *Pharm. J.*, 107 (Dec. 31, 1921), 538

Weiss, R.

Assay of calcium in the blood

Dtsch. med. Wsch.; through *Pharm. Zent.*, 62 (Dec. 15, 1921), 771

MISCELLANEOUS.

Horn, D. W.

The lactometer in milk control

Am. J. Pharm., 93 (Dec. 1921), 817

Wallis, T. E.

Moths as pests in pharmacy

Chem. & Drug., 95 (Dec. 17, 1921), 803

PROCEEDINGS OF THE LOCAL BRANCHES

"All papers presented to the Association and its branches shall become the property of the Association, with the understanding that they are not to be published in any other publication than those of the Association, except by consent of the Committee on Publication."—By-Laws, Chapter X, Art. III.

Reports of the meetings of the Local Branches should be mailed to the Editor on the day following the meeting, if possible. Minutes should be typewritten, with wide spaces between the lines. Care should be taken to give proper names correctly, and manuscript should be signed by the reporter. To maintain its activity and representation each branch should see that at least three of its meetings during the year are reported in the JOURNAL.

BALTIMORE.

The January meeting of the Baltimore Branch of the American Pharmaceutical Association was held at the Emerson Hotel on Wednesday, January 25, 1922, 8.30 P.M., President John C. Krantz, Jr., in the chair.

The main feature of the evening was the lecture of Charles Stevens, the subject being "Vitamines."

Mr. Stevens in his clear, concise manner, enumerated the interesting experiments that have been made in connection with vitamines, using lantern slides to show the almost marvelous effects of their administration to undernourished children, as well as the unfavorable conditions of rats, pigeons, dogs and other animals when one or more of the vitamines have been withheld from their diet and the favorable condition of these animals when the vitamines have been given along with the other food. The members of the Baltimore Branch are always glad to have the benefit of the instructive lectures given by Mr. Stevens.

Then followed the election of officers for the current year; the following were elected:

President, Dr. Hermann Engelhardt, 2912 Garrison Ave., Baltimore, Md. *Vice-President*, John C. Krantz, Jr. *Secretary-Treasurer*, B. Olive Cole. *Committee Chairmen: Membership*, Wilmer H. Shulze, *Science and Practice of Pharmacy*, Dr. Daniel Base, *Professional Rela-*

tions, Chas. I. Meyer, *Education and Legislation*, E. F. Kelly.

Charles C. Neal, 303 W. Pratt St., is the representative of the Branch in the Council of the A. Ph. A.

B. OLIVE COLE, *Secretary.*

CHICAGO.

The 123d meeting of the Chicago Branch of the American Pharmaceutical Association was held at the Hotel LaSalle, Friday evening, January 6. The meeting was preceded by a dinner in honor of Dr. A. S. Burdick, President of the Abbott Laboratories, who later addressed the meeting.

President C. M. Snow presided, and as this was the annual meeting of the Branch, he called on the Committee Chairmen and the Secretary-Treasurer for reports. The Secretary-Treasurer's report is as follows:

The Chicago Branch of the American Pharmaceutical Association was organized in February 1906, therefore we are very near our sixteenth birthday. We have made a gain in membership during the year and are running neck and neck with the New York Branch for the largest membership among the Local Branches of the American Pharmaceutical Association.

The membership of the Branch January 1, 1921, was 348; we have received during