

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Conducted by H. V. Army, 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; 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. Army, 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.

PHARMACOPOEIAL REVISION.

Brunner, G. E.

Alkaloidal assays of the Swiss Pharmacopoeia
Schweiz. Apoth. Ztg., 60 (Mar. 30, 1922), 169

PHARMACEUTICAL PREPARATIONS.

Anon

Concentrated infusion of ipecac

Pharm. Monatsh.; through *Pharm. Zent.*, 63
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Anon

Storing bay rum

Pharm. Era, 55 (Apr. 1922), 130

Astruc, A., Canals, E., and Bordier, R.

Alkaloidal assay of extract of aconite

J. pharm. chim., 25 (Mch. 1, 1922), 161

Beyer, G. F.

Assaying esters in imitation flavoring extracts

J. Ind. Eng. Chem., 14 (Apr. 1922), 324

Breteau, P.

Wound lotion

J. pharm. chim., 25 (Feb. 1, 1922), 98

Büchmann, E.

Dichlorethylene in assays of extract of cinchona

Pharm. Ztg., 67 (Mch. 15, 1922), 228

Coppez

Cholesterol in ointments

Clin. ophthal.; through *Drug Circ.*, 66 (Apr. 1922), 144

Couch, J. F.

Rate of extraction of cascara sagrada

Am. J. Pharm., 94 (Mch. 1922), 168

Dubucquet, L.

Adrenaline solutions for injection

J. pharm. chim., 25 (Feb. 16, 1922), 136

Goris and Kosty

Extract of belladonna

Bull. sci. pharmacol.; through *Drug Circ.*, 66
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Helferich, B.

Two new methyl glucoside derivatives

Ber.; through *J. pharm. chim.*, 25 (Mch. 1, 1922), 182

Herrissey, H., and Delauney, P.

Adrenaline solution for injection

J. pharm. chim., 25 (Feb. 1, 1922), 118

Jones, E. R.

Hair tonic recipes

Bull. pharm., 36 (Mch. 1922), 96

Jones, E. R.

Hand and face lotion remedies

Bull. pharm., 36 (Apr. 1922), 162

Jones, E. R.

Soluble compound spirit of orange for aromatic elixir

J. AM. PHARM. ASSOC., 11 (Apr. 1922), 277

Jones, E. R.

White precipitate ointment by the wet process

J. AM. PHARM. ASSOC., 11 (Apr. 1922), 278

Jung, E.

Dispensing notes

Pharm. Ztg., 67 (Mch. 22, 1922), 252

Keanc, A. H. J.

Formaldehyde soaps

Sci. Am.; through *Nat. Drug.*, 52 (Mch. 1922), 104

Kloeven

Prevention of cloudiness in vinegar of sabadilla

Apoth. Ztg.; through *Pharm. Zent.*, 63 (Mch. 23, 1922), 177

Konrich

Relative value of commercial venereal prophylactics

Pharm. Ztg., 67 (March 8, 1922), 202

Lyons, A. B.

Detection of diethylphthalate in whiskey

J. AM. PHARM. ASSOC., 11 (Apr. 1922), 262

Murray, M. A.

Witches' ointments

Am. J. Pharm., 94 (Mch. 1922), 212

Sagi, E. and A.

Preparation of solutions of unstable substances

Berl. klin. Wsch.; through *Pharm. Ztg.*, 67 (Feb. 25, 1922), 165

Stich, C.

Dispensing notes

Pharm. Zent., 63 (Mch. 30, 1922), 179

Toulant

Ointment bases in eye troubles

Le Médecin; through *Pharm. J.*, 108 (Mch. 11, 1922), 196

Tunger

Ointment for burns

Dtsch. med. Wsch.; through *Pharm. Zent.*, 63 (Mch. 15, 1922), 159

GENERAL BOTANY AND
BACTERIOLOGY.

Claassen, L. P. W.

Insect enemies of *Typha latifolia*

Am. J. Pharm., 94 (Mch. 1922), 207

Heilbron, I. M.

Photo- and phytosynthesis of plant products

J. Soc. Chem. Ind., 41 (Mch. 15, 1922), 89R

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Action of metals on sera

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Levaditi and Harvier

Purity of vaccine lymph

Pract. Drug., 40 (Apr. 1922), 34

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Synthesis of fats in plants

Chem. Umschau; through *Pharm. Zent.*, 63 (Mch. 9, 1922), 141

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Therap. Gegenw.; through *Pharm. Zent.*, 63 (Mch. 2, 1922), 131

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VEGETABLE AND ANIMAL MATERIA
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Arnold, R.

The glucose of viburnum, of cinchona and of kola

J. pharm. chim., 25 (Feb. 1, 1922), 116

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Manganese content of potatoes

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Dawe, M. T.

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Ukububa fat

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Lauro, M. F., and Dickhart, W. H.

Refining palm oil

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Latterscheid, F. M.

Detecting commercial invert sugar in honey

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Neuberg, C., and Ohle, H.

Sulphur content of agar

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Peyotl or mescal button

Janus; through *Pharm. Ztg.*, 67 (Feb. 25, 1922), 165

Russell, G. A.

Influence of distillation method on quality of oil of chenopodium

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Manufacture of zinc stearate
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Action of emulsin on lactose in 80 percent alcohol

J. pharm. chim., 25 (Feb. 16, 1922), 129

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Curme, G. E.

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Hanek

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Utz, F.

Solubility of veronal in chloroform

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Hydrolytic action of emulsin

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J. Soc. Chem. Ind., 41 (Mch. 31, 1922), 230A

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CLINICAL AND DIAGNOSTIC
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Anon

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Arch. Kinderheil.; through *Am. Drug.*, 70 (Mch. 1922), 40

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New form of ureometer

J. pharm. chim., 25 (Feb. 1, 1922), 99

Etienne, G., and Verain, M.

Assay of glucose in body fluids

Compt. rend. soc. biol.; through *J. pharm. chim.*, 25 (Mch. 16, 1922), 228

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The Folin assay of uric acid

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Thiéry

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New method of oil extraction

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Extraction process in perfume production

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Gawalowski, A.

Aluminum flash light

D. A. Apoth. Ztg., 43 (Mch. 1922), 4

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Automobile polishes

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Mitchell, C. H.

Chemistry of inks

J. Soc. Chem. Ind., 41 (Mch. 15, 1922), 92R

Sayre, L. E.

Beverages and fruit flavors

Am. Drug., 70 (Mar. 1922), 24

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 March meeting of the Baltimore Branch of the American Pharmaceutical Association was held at the Emerson Hotel on March 22, 1922.

Dr. Hermann Engelhardt, the newly elected President of the Branch, in his opening remarks greeted the Branch as their leader for the ensuing year. There was a good attendance.

Dr. E. F. Kelly, as chairman of the Committee on Legislation and Education, explained the splendid progress of the bills in the Maryland Legislature dealing with the positions of the pharmacists and the State Board of Health. Emphasis was laid on the most unusual coöperation of the pharmacists in the state in supporting these measures.

The main feature of the evening was an address by Dr. Neil E. Gordon, head of the Department of Chemistry of the University of Maryland. The title of the address was "Emulsification and Absorption." The speaker made clear the theory of emulsification from the standpoint of the physical chemist

and colloidist, and laid particular stress on the three phases of the usual pharmaceutical emulsions. The permanency of emulsions was discussed at great length, and slides were used to illustrate the stability of emulsions made with various emulsifying agents. At this point the lecturer introduced Fisher's so-called "Hydrate Theory" of emulsification, which holds that the soluble phase of the three phase emulsion forms with water a large hydrate, thus modifying the properties of the water to the extent of more or less permanently suspending the insoluble phase. The "Hydrate Theory" explains that the breaking of emulsions by the addition of saline solutions is due to the neutralization of the charge on the hydrate by the electrolyte.

Under "Absorption" Dr. Gordon discussed some of the research work in which he was engaged, establishing a relation between the hydrogen ion concentration of absorption of many substances, including iron, aluminum and silica gels.

Following the lecture an exceedingly interesting discussion took place, in which H. H.