### 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 reproduction of entire articles at moderate prices when such are desired.

#### PHARMACOPOEIAL REVISION.

Cook, E. F.

Machinery of U. S. P. revision

Am. J. Pharm., 92 (May 1920), 304

Hommell, P. E.

Suggested pharmacopoeial changes

Pract. Drug., 38 (May 1920), 23

Symposium

Revision of the Formulary

Bull. Pharm., 34 (May 1920), 187

#### APPARATUS AND MANIPULATIONS.

Mayo, C. A.

Simple suppository mold

J. A. Pн. A., 9 (June, 1920), 592

Walker, G. W.

Distilling apparatus for the separation of

Chem. News, 12 (May 7, 1920), 222.

#### GALENICALS.

Anon

Alcohol-free cologne water

Vierteljahr. Prakt. Pharm.; through Drug. Circ., 64 (June 1920), 217

Berg, F. F.

Fluidextract of ipecac

J. A. PH. A., 9 (June 1920), 598

Briggs, T. R.

**Emulsions** 

J. Phys. Chem.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 341A

# GENERAL BOTANY AND BACHTERIOLOGY.

Bose, J. C.

Life movements of plants

Pharm. J., 104 (May 29, 1920), 522

Dubois, R.

Carnivorous plants a legend

Ann. Soc. Linné Lyon; through Pharm. J., 104 (May 29, 1920), 522

Russell, G. A.

Depulping camphor seed to increase fertility J. Agric. Research; through Pharm. J., 104 (May 1, 1920), 419

Schneider, A.

Determining phenol value of disinfectants

J. A. Pн. A., 9 (June, 1920), 580

Van Wisselingh

Seed coats of Tropaolum hypericum and Ipomoea

Pharm. Weekbl., 57 (May 22, 1920), 575, and (May 29, 1920), 606

## VEGETABLE AND ANIMAL, MATERIA MEDICA.

Anou

Curing vanilla pods

Agric. News; through Pharm. J., 104 (May 1, 1920), 431

Anon

Jujube tree

Conf. J.; through Pract. Drug., 38 (June 1920), 36

Bridel, M.

Gentianose and saccharose in Gentian species J. pharm. chim., 21 (Apr. 16, 1920), 306

Dorey, E. R.

Chinese crude camphor

Chem. and Drug., 92 (May 15, 1920), 647

Eckler, C. R.

Pharmacology of cotton root bark Am. J. Pharm., 92 (May 1920), 285

Garr, H. D., and Éwe, G. E. Hemlock bark for pharmaceutical purposes J. A. Ph. A., 9 (June 1920), 567 Gering

The curdling of milk

Mölkerei Ztg.; through Drug. Circ., 64 (June 1920), 218

Jermstad, A.

Assay of morphine in opium

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Merrill, E. C.

Physical and chemical constants of Peru balsam

J. Assoc. Off. Agric. Chem.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 348A

Roessler

Activity of aqueous extracts of digitalis Therap. Gegenw.; through Drug. Circ., 64 (June 1920), 218

Viehoever, A., and Clevenger, J. F. Volatile oil and ash content of sage J. A. Ph. A., 9 (June 1920), 563

#### GENERAL AND PHYSICAL CHEMISTRY.

Carle

Therapeutics of arsenic

Chem. and Drug., 92 (May 29, 1920), 711

Hayen

Kaolin as bismuth substitute

Chem. and Drug., 92 (May 29, 1920), 711

Kohn-Abrest, E.

Spontaneously oxidizable aluminum

Compt. rend.; through Pharm. J., 104 (May 15, 1920), 469

Richmond, H. D., and Ison, E. M.

Volumetric iron assay

Chem. and Drug., 92 (May 15, 1920), 647

#### INORGANIC CHEMICALS.

Anon

Alaskan sulphur mine

Pop. Mechanics; through Pract. Drug., 83 (June 1920), 36

Cofman, V.

Assay and kinetics of hypoiodous acid

Bull. Soc. Chem.; through J. Soc. Chem. Ind., 39 (May 31, 1920), 363A

Dott. D. B.

Action of ether on mercury

Brit. Col. Drug.; through Pharm. Era, 53 (June 1920), 168

Edsell, D. L., Wilbur, F. P., and Dronker, C. K. Industrial manganese poisoning

J. Ind. Hygiene, through Pharm. J., 104 (May 29, 1920), 522

Feig1

Cerium test

Oest. Chem. Ztg.; through Drug. Circ., 64 (June 1920), 218

Gibbs, H. D.

Production of hydrochloric acid from chlorine and water

J. Ind. Eng. Chem., 12 (June 1920), 538

Kling, A., and Lassieur, A.

Separation of tin and antimony

Compt. rend.; through Chem. News, 120 (June 4, 1920), 275

Kolthoff

Assay of ferrocyanides

Pharm. Weekblad; through Drug. Circ., 64 (June 1920), 217

Kolthoff, I. M.

Dissociation constants of pyrophosphoric acid *Pharm. Weekblad*, 57 (May 1, 1920), 474, and (May 8, 1920), 514

Low

Volumetric assay of mercury

Chemist-Analyst; through Drug. Circ., 64 (June 1920), 218

Luce

Assay of nitric acid in bismuth subnitrate

Bull. Soc. Chim.; through Pract. Drug., 38 (May 1920), 34

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Platinized glass electrodes in electrolytic assay J. pharm. chim., 21 (Apr. 16, 1920), 311

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Volumetric assay of manganese

Compt. rend.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 351A

Recoura, A.

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Compt. rend.; through J. pharm. chim., 21 (Apr. 16, 1920), 326

Schumacher

Rapid diagnostic detection of iodine

Disch. med. Wschr.; through Drug. Circ., 64 (June 1920), 217

Woeber, A.

Assay of mercury in organic compounds

Zisch. angew. Chem.; through J. Soc. Chem. Ind., 39 (May 31, 1920), 385A

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Poisoning by oil of eucalyptus

Disch. med. Wschr.; through Am. J. Pharm., 92 (May 1920), 353

Barbier, E.

Cantharidin content of certain mylabris species J. pharm. chim., 21 (Apr. 16, 1920), 330

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Intravenous injections of adrenaline for hemorrhage

J. pharm. chim., 21 (Apr. 16, 1920), 330

Bourquelot, R., and Bridel, M.

Detection of dextrose by a biochemical method Compt. rend.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 344A

Binz, H., Bauer, H., and Hallstein, A. Silver salvarsan

Ber.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 348A

Buc, H. E.

New test for strychnine

J. Assoc. Off. Agric. Chem.; through J. Soc. Chem. Ind., 39 (May 15, 1920), 347A

Butler, G. S., and Dunnicliff

Assay of alcohol in mixtures of alcohol, sulphuric acid and water

J. Soc. Chem. Ind., 39 (May 31, 1920), 146T

Callan and Henderson

Assay of paraphenylene-diamine

J. Soc. Chem. Ind.; through Drug. Circ., 64 (June 1920), 217

Chelle

Transformation of hydrocyanic acid into sulphocyanic acid in a cadaver

Compt. rend.; through J. pharm. chim., 21 (Apr. 16, 1920), 318

Coblentz, V., and Walker, H. W.

New method of making benzoic acid

U. S. Pat. Off. Gaz.; through Pharm. Era, 53 (June 1920), 168

Daels, F.

Quantitative assay of oxymethyl anthraquinones

Acad. Roy. Med. Belg.; through J. pharm. chim., 21 (Apr. 16, 1920), 316

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Truxillic acids

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Éwe, G. E.

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Tea. Coff. Trade G.; through Am. J. Pharm., 92 (May 1920), 310

Gascard, A.

Myricyl alcohol formula

Compt. rend.; through J. Soc. Chem. Ind., 39 (May 31, 1920), 376A Grünhut, L.

Chemistry of levulinic acid

Chem. Ztg.; through Pharm. Weekblad, 57 (May 29, 1920), 621

Hasse, P.

Detection of methyl alcohol in spirits

Pharm. Zent.; through J. Soc. Chem. Ind., 39 May 15, 1920), 345A

Jamieson, G. S., and Baughman, W. F. Chemical composition of cotton-seed oil J. Am. Chem. Soc., 42 (June 1920), 1197

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Helv. Chim. Acta; through J. Soc. Chem. Ind., 39 (May 15, 1920), 348A

Karrer, P., and Weidmann, H.

Synthesis of beta-gaultherin

Helv. Chim. Acta; through J. Soc. Chem. Ind., 39 (May 15, 1920), 348A

Kubota, S.

Pharmacology of allocaine S.

J. pharmacol., through J. pharm. chim., 21 (Apr. 16, 1920), 321

Labat, A.

Distinguishing vanillin and heliotropine

Bull. Soc. Pharm. Bord.; through Pharm.

Weekblad, 57 (May 29, 1920), 592

Lescoeur

Hypobromite reaction of urea

J. pharm. chim.; through Pharm. Era, 53 (June 1920), 167

Levy and Cullen

Deterioration of strophanthin in aqueous solution

J. Exp. Med.; through Am. J. Pharm., 92 (May 1920), 355

Low, W. H.

Soy bean oil

J. Ind. Eng. Chem., 12 (June 1920), 572

Lucius

Separation of dextrose and levulose

Z. Unters. Nahr. Genussm.; through Drug. Circ., 64 (June 1920), 217

Macri, V.

Color reaction for oxalates

Boll. Chim. Farm.; through J. Soc. Chem. Ind., 39 (May 31, 1920), 384A

Mailhe, A.

Catalytic production of nitriles

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J. Am. Med. Assoc.; through Am. J. Pharm.,

92 (May 1920), 353

### CORRESPONDENCE

#### PHARMACEUTIC EDUCATIONAL REQUIREMENTS IN GOVERNMENT SCHOOLS.

While the following communications might have been abstracted, there is much of importance contained therein that should be of record, hence, it has been deemed advisable to print in full.

Hon. Newton D. Baker,

Secretary of War,

Washington, D. C.:

Information has recently come to me to the effect that a training school for pharmacists has been established at Camp Pike, Ark. For the past twenty years the best colleges of Pharmacy in this country have worked together in an organization known as the American Conference of Pharmaceutical Faculties. Conditions surrounding pharmaceutical education were deplorable at the time this organization was formed. Improvement has been slow, but many reforms have been inaugurated both in the way of higher entrance requirements and improved curricula. By unanimous agreement all member schools will require four years of high school training before matriculation, after 1923. The minimum requirement is now two years of high school work, though the majority of schools already require four.