

# 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.

Goldby, F.

### Some recipes of the British Pharmaceutical Codex

*Pharm. J.*, 108 (Feb. 25, 1922), 147

## APPARATUS AND MANIPULATIONS.

Bruhns, H.

### Improved burette

*Chem. Ztg.*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 82

Hartmann, W.

### Simple extraction apparatus

*Z. Unters. Nahr. Genussm.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 81A

Schoeller, A.

### A micro-Kipp apparatus

*Z. angew. chem.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 81A

Wheeler, T. S., and Blair, E. W.

### Receiver for vacuum distillations

*J. Soc. Chem. Ind.*, 41 (Feb. 28, 1922), 59T

## PHARMACEUTICAL PREPARATIONS.

Anon

### Liquid antiseptic soap

*Chem. Umschau*; through *Pharm. Zent.*, 63 (Feb. 16, 1922), 96

Anon

### Palminum hydrargyri

*Pharm. Ztg.*, 67 (Feb. 15, 1922), 136

Bremner, Joseph

### Concentrated infusion of senega

*Pharm. J.*, 108 (Feb. 25, 1922), 152

Fleissig

### Cocaine solutions

*Schweiz. Apoth. Ztg.*, 60 (Feb. 16, 1922), 97

Fleissig

### Gelatina zinci

*Schweiz. Apoth. Ztg.*, 60 (Feb. 9, 1922), 83

Fleissig

### Tincture of iodine

*Schweiz. Apoth. Ztg.*, 60 (Feb. 16, 1922), 96

Hardy, F.

### Manufacture of bay rum

*Agric. News*; through *Pharm. J.*, 108 (Feb. 4, 1922), 87

Nobel, John

### Incompatibility between iodine and mercuric nitrate ointments

*Pharm. J.*, 108 (Feb. 25, 1922), 151

Prybill, A.

### Suppository capsules

*Apoth. Ztg.*; through *Pharm. Weekbl.*, 59 (Feb. 18, 1922), 163.

Rothe, W.

### Bacterial growths in raspberry juice

*Ber. dtsch. pharm. Ges.*, 32 (Jan., 1922), 3

## GENERAL BOTANY AND BACTERIOLOGY.

Monckton, C. A. W.

### "Witchcraft" in New Guinea

*Pharm. J.*, 108 (Feb. 4, 1922), 100

Phillips, R. J.

### Clearing the microscopic field

*Analyst*; through *Pharm. Weekbl.*, 59 (Feb. 4, 1922), 119

Rendel, A. B.

### Aluminum succinate as a plant constituent

*Pharm. J.*, 108 (Feb. 4, 1922), 99

Von Lippmann, E. O.

### Phytochemical notes

*Ber.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 117A

Zondek, S. G.

### Influence of inorganic material on cell functioning

*Pharm. Weekbl.*, 59 (Feb. 4, 1922), 104

## THERAPEUTICS AND NEW REMEDIES.

Anon

### Silumin

*Chem. Ztg.*, through *Pharm. J.*, 108 (Feb. 18, 1922), 131

Bourgeois

**Treatment of acute coryza**

*Progress med.*; through *Pharm. J.*, 108 (Feb. 25, 1922), 150

Putzeys, P.

**Relationship of chemical constitution and therapeutic effect of hypnotics**

*J. Pharm. Belg.*; through *Chem. News*, 124 (Feb. 17, 1922), 95

**VEGETABLE AND ANIMAL MATERIA MEDICA.**

Asahina, Y., and Shimidzu, T.

**Constituents of parhitis seed**

*J. Pharm. Soc. Japan*, 479 (Jan. 1922), 1

Bosworth

**Value of dry milk products**

*Am. Drug.*, 70 (Feb. 1922), 33

Farwell, O. A.

**Adulterated althaea**

*J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 184

Farwell, O. A.

**Source of balsam poplar buds**

*J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 184

Jarno, L., and Marko, D.

**Effect of opium on the stomach**

*Wiener klin. Wsch.*; through *Pharm. J.*, 108 (Feb. 11, 1922), 112

Kroeber, L.

**Primula and violet as substitutes for senega and ipecac**

*Pharm. Ztg.*, 67 (Feb. 1, 1922), 95

Ott, E., and Zimmermann, K.

**Natural and artificial pepper substances**

*Ann.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 77A

Pater, B.

**Varieties of Atropa Belladonna**

*Pharm. Zent.*, 63 (Feb. 9, 1922), 77

Rakshit, J. N.

**Assay of alkaloids in Indian opium**

*Analyst*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 77A

Richter, E.

**Tests for powdered tragacanth**

*Apoth. Ztg.*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 83

Saito, J.

**Pharmacology of ginseng**

*Jap. Med. World*; through *Pharm. Ztg.*, 67 (Feb. 15, 1922), 135

Samek and Ssajevic

**Composition of agar**

*Chem. Ztg.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 112A

Ultée, A. J.

**Constituents of the rubber from Ficus Vogelii**

*Ber.*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 68

Viehoever, A., and Clevenger, J. F.

**Chemical studies of veratrum**

*J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 166

Viehoever, A.

**New food products**

*Am. Food J.*; through *J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 222

Wells, A. H.

**Rice polishings extract in beriberi**

*Philippine J. Sci.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 77A

Zörnig, H., and Adler, F.

**Ash content of drugs**

*Pharm. Zent.*, 63 (Feb. 2, 1922), 61

**GENERAL AND PHYSICAL CHEMISTRY.**

Emery, W. O., and Wright, C. D.

**Distribution of chemicals between immiscible solvents**

*J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 174

Friend, J. A. N.

**Theory of valence**

*J. Chem. Soc.*; through *Chem. News*, 124 (Feb. 17, 1922), 84

Hull, W.

**Crystal structure of elements**

*J. Frank. Inst.*, 193 (Feb. 1922), 189

Kendall

**Transmutation of elements**

*Pharm. Era*, 55 (Mch. 1922), 94

Kolthoff, I. M.

**Colorimetric determination of the hydrogen ion concentration**

*Pharm. Weekbl.*, 59 (Feb. 4, 1922), 104

Kolthoff, I. M.

**Titration of fairly strong acids with very weak bases**

*Pharm. Weekbl.*, 59 (Feb. 11, 1922), 129

McLennan, J. C.

**Atomic nuclei**

*Science*, 55 (Mch. 3, 1922), 219

Parnas, J. K., and Wagner, R.

**Micro-Kjeldahl assay**

*Biochem. Zsch.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Rutherford, E.

**Artificial disintegration of elements**

*Chem. & Drug.*, 96 (Feb. 18, 1922), 201

Schoeller, A.

**Micro elementary analysis**

*Z. angew. Chem.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Schoorl, N., and Regenbogen, A.

**The system, water-alcohol-chloroform**

*Rec. trav. chim. Pays-Bas*; through *Pharm. Weekbl.*, 59 (Feb. 4, 1922), 119  
Smithells, A.

**The Lewis-Langmuir theory of atomic structure**  
*Chem. & Drug.*, 96 (Feb. 11, 1922), 166

#### INORGANIC CHEMICALS.

Anon

#### Intensive iodine treatment

*J. Am. Med. Assoc.*; through *Am. Drug.*, 70 (Feb. 1922), 41

Baudisch, O.

#### Ferro-hydrate-peroxide

*Ber.*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 69

Carus, M.

#### Separation of iron from manganese

*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 126

Dilthey, W.

#### Constitution of water

*Z. angew. Chem.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Elbs, K., and Neber, P.

#### Stability of persulphates

*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 126

Feulgen, R.

#### Production of spongy platinum

*Ber.*; through *Pharm. Zent.*, 63 (Feb. 16, 1922), 96  
Funcke, Y.

#### Assay of liver of sulphur

*Farm. Revy.*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 69

Geick, N.

#### Wood charcoal in oil refining

*Chem. Umschau*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 80

Imison, C. S., and Russell, W.

#### Oxidation of ammonia

*J. Soc. Chem. Ind.*, 41 (Feb. 28, 1922), 37T

Joachimoglu, G.

#### The lethal dose of arsenic

*Klin. Wsch.*; through *Pharm. Weekbl.*, 59 (Feb. 18, 1922), 163

Jodlbauer, A.

#### Action of light on potassium iodide

*Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Kraus, J.

#### Volumetric assay of aluminum

*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 8, 1922), 116

Neumann, B.

#### Production of hydrochloric acid from hydrogen and chlorine

*Z. angew. chem.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 55A

Neumann, B.

#### Safe method of uniting hydrogen with chlorine

*Z. angew. Chem.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Poetschke, P.

#### Manufacture and preservation of hydrogen dioxide

*J. Ind. Eng. Chem.*, 14 (Mch. 1922), 181

Sabalitschka, T.

#### Volumetric assay of aluminum

*Pharm. Ztg.*, 67 (Feb. 11, 1922), 124

Tiemann, F.

#### New theory of hydroxide formation

*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 125

Volart y. Jubany, R.

#### Manufacture of hydrochloric acid and sodium hydroxide

*Drogenhandler*; through *Pharm. Zent.*, 63 (Feb. 16, 1922), 95

#### ORGANIC CHEMICALS.

Anon

#### Salicylic acid in the circulation

*J. Am. Med. Assoc.*; through *Pharm. Era*, 55 (Mch. 1922), 62

Barlot, J., and Brenet, M. T.

#### Fatty acid assays

*Compt. rend.*; through *Chem. News*, 124 (Feb. 17, 1922), 86

Bergmann, M., Brand, E., and Dreyer, F.

#### Synthesis of di- and tri-glycerides

*Ber.*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 82

Biltz, H., and Wittek, H.

#### Barbituric acid derivatives

*Ber.*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 81

Bozorth, R. M.

#### Crystal structure of potassium cyanide

*J. Am. Chem. Soc.*, 44 (Feb. 1922), 317

Cajori, F. A.

#### The proteins of pecans

*J. Biol. Chem.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 28, 1922), 154A

Chiris, A.

#### Distillation of lavender oils

*Perf. Ess. Oil Rec.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 118A

Cobenzl, A.

#### Fluorsilicic salts

*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 15, 1922), 135

Curme, G. D., and H. R.

#### Diethyl sulphate

*Chem. Met. Eng.*; through *Pract. Drug.*, 40 (Feb. 1922), 34

DeLong, C. R.

#### Camphor substitutes

- Chem. Age*; through *Pract. Drug.*, 40 (Feb. 1922), 34
- Denigès, G., and Tourron, R.  
**Microchemical detection of dulcin**  
*Compt. rend.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 78A
- Dott, D. B.  
**Solubility of quinine hypophosphite**  
*Pharm. J.*, 108 (Feb. 4, 1922), 87
- Dudley, H. W., and Evans, C. L.  
**Preparation of oxyhemoglobin**  
*Biochem. J.*; through *Pharm. Ztg.*, 67 (Feb. 8, 1922), 116
- Ehmann, K. F.  
**Manufacture of anhydrous and hydrous wool-fat**  
*J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 188
- Fischer, H. O. L.  
**A new derivative of quinic acid**  
*Ber.*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 67
- Fosse  
**Assay of cyanic acid**  
*Schweiz. Apoth. Ztg.*, 60 (Feb. 23, 1922), 116
- Fosse, R.  
**Hydrocyanic acid from carbohydrates**  
*Compt. rend.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 77A
- Fresenius, W., and Grünhut, G.  
**Assay of salicylic acid**  
*Z. anal. Chem.*; through *Pharm. Weekbl.*, 59 (Feb. 18, 1922), 161
- Fresenius, W., and Grünhut, L.  
**Detection of saccharin**  
*Z. anal. Chem.*; through *Pharm. Weekbl.*, 59 (Feb. 25, 1922), 191
- Freudenberg, K., and Vollbrecht, E.  
**Tannase**  
*Collegium*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 67A
- Funk, C., and Dubin, H. E.  
**Vitamines of yeast**  
*J. Biol. Chem.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 72A
- Grabner  
**Rapic acid**  
*Seife*; through *Drug. Circ.*, 66 (Mch. 1922), 103
- Howard, A., and Remington, J. S.  
**Safflower oil**  
*Bull. Agr. Res. Inst. Pusa*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 109A
- Jacobson, C. A.  
**Alfalfa saponin**  
*Drug. Circ.*, 66 (Mch. 1922), 103
- Joachimoglu, G.  
**Antiseptic aciton of chlorinated hydrocarbons**  
*Biochem. Zsch.*; through *Pharm. Ztg.*, 67 (Feb. 15, 1922), 135
- Kinugasa, Y., and Tatsuno, H.  
**Detection of beta-naphthol in foods**  
*Pharm. Soc. Japan*, 479 (Jan. 1922), 18
- Kreis, H., and Studinger, J.  
**Calcium content of egg albumin**  
*Ann. Falsif.*; through *Pharm. Weekbl.*, 59 (Feb. 11, 1922), 142
- Lax, H.  
**Active principles of cod liver oil**  
*Biochem. Zsch.*; through *Pharm. Ztg.*, 67 (Feb. 15, 1922), 134
- Lifschütz, I.  
**Reactions of gynecardia oil**  
*Chem. Ztg.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 109A
- Lynn, E. V., and Hilton, O.  
**Action of nitrosyl chloride on normal heptane**  
*J. Am. Chem. Soc.*, 44 (Mch. 1922), 645
- Margoshes, B. M., and Barn, R.  
**Aschman's iodine adsorption method**  
*Chem. Ztg.*; through *Pharm. Weekbl.*, 59 (Feb. 4, 1922), 121
- Mezzadrolì  
**Alcohol from St. John's bread**  
*Bull. Assoc. Chim. Sucre*; through *Drug. Circ.*, 66 (Mch. 1922), 103
- Nelson, B. E., and Leonard, H. E.  
**Micro-detection of alkaloids as picrates**  
*J. Am. Chem. Soc.*, 44 (Feb. 1922), 369
- Nierenstein, M.  
**Gallotannin**  
*J. Soc. Chem. Ind.*, 41 (Feb. 5, 1922), 29T
- Nobel, John  
**Incompatibility between calomel and phenalgin**  
*Pharm. J.*, 108 (Feb. 25, 1922), 151
- Penfold, A. R.  
**Oil of leptospermum flavescens and of leptospermum odoratum**  
*Proc. Roy. Soc. N. S. W.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 78A
- Pepin, C.  
**Why "oils of" cade?**  
*Ungerer's Bull.*; through *J. AM. PHARM. ASSOC.*, 11 (Mch. 1922), 221
- Pfyl, B., Reif, G., and Hanner, A.  
**Methyl alcohol tests**  
*Chem. Ztg.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 78A
- Porst, C. E. G., and Mumford, N. V. S.  
**Chemically pure dextrose**  
*J. Ind. Eng. Chem.*, 14 (Mch. 1922), 217
- Pritzker, J., and Jungkunz, R.  
**Hazel-nut oil**  
*Z. Unters. Nahr. Genussm.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 65A

- Pyman, F. L.  
**Glycerophosphates**  
*Chem. Age*; through *Pharm. Era*, 55 (1922), 90
- Salkowski, E.  
**Allyl alcohol as blood preservative**  
*Biochem. Z.*; through *Pharm. Era*, 55 (March 1922), 90
- Smith, H. G., and Penfold, A. R.  
**Thymol and menthol from eucalyptus oils**  
*Proc. Roy. Soc. N. S. W.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 78A
- Spaeth, E., and Lang, N.  
**Constitution of corydaline**  
*Ber.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 117A
- Spaeth, E.  
**Constitution of pelletine, anhalonidine and anhalamine**  
*Monatsh.*; through *J. Soc. Chem. Ind.*, 41 (Jan. 31, 1922), 77A
- Spaeth, E., and Lang, N.  
**Conversion of berberine into palmatone**  
*Ber.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 117A
- Strauss, H., and Rammelt, G.  
**Catalase in the blood**  
*Biochem. Zsch.*; through *Pharm. Weekbl.*, 59 (Feb. 4, 1922), 122
- Van der Haar, A. W.  
**Alpha-hederin**  
*Ber.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 117A
- Vaubel, W.  
**Varieties of caramel**  
*Chem. Ztg.*; through *Pharm. Weekbl.*, 59 (Feb. 18, 1922), 161
- Vogt  
**Adulteration of oils and fats**  
*Chem. Tech. Ind.*; through *Drug. Circ.*, 66 (Mch. 1922), 103
- Wachtel, C.  
**Detection of morphine in animal organs**  
*Biochem. Zsch.*; through *J. Soc. Chem. Ind.*, 41 (Feb. 15, 1922), 116A
- Wacker, A.  
**Laboratory uses of dichlorethylene**  
*Chem. Ztg.*; through *Pharm. Zent.*, 63 (Feb. 9, 1922), 81
- Weil, P. E.  
**Hemostatics**  
*Am. Drug.*, 70 (Feb. 1922), 34
- Weil, S.  
**Polish oil of peppermint and thymol**  
*Rocz. Farm.*; through *Pharm. Weekbl.*, 59 (Feb. 11, 1922), 142
- Wiechowski, W.  
**The cardiacal glucosides**  
*Pharm. Ztg.*, 67 (Feb. 15, 1922), 134
- Wilkie, H. F.  
**Solvents for cellulose ethers**  
*Chem. Met. Eng.*; through *Pract. Drug.*, 40 (Feb. 1922), 34
- Witte, E.  
**Synthesis of camphor**  
*Chem. Ztg.*; through *Chem. News*, 124 (Feb. 10, 1922), 73
- Wolff, H.  
**Acetylation assay of alcohols**  
*Chem. Umschau*; through *J. Soc. Chem. Ind.*, 41 (Feb. 28, 1922), 156A
- CLINICAL AND DIAGNOSTIC METHODS.
- Beck, E.  
**Staining of spirochetæ**  
*Dtsch. med. Wsch.*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 71
- Hoeppler, E. F.  
**Assay of albumin in urine**  
*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 15, 1922), 135
- Patzauer  
**Peroxide blood test**  
*Chem. Ztg.*; through *Pharm. Zent.*, 63 (Feb. 16, 1922), 97
- Posner, C.  
**Physical methods in urine assay**  
*Südd. Apoth. Ztg.*; through *Pharm. Zent.*, 63 (Feb. 16, 1922), 95
- Wester, D. H.  
**Influence of various chemicals and ions on the ureolytic action of urease**  
*Pharm. Weekbl.*, 59 (Feb. 25, 1922), 178
- MISCELLANEOUS.
- Anon  
**Non-inflammable liquid fire extinguisher**  
*Chem. Trade J.*; through *Pharm. J.*, 108 (Feb. 25, 1922), 150
- Lévy, P. P.  
**Sterilization of hypodermic needles**  
*Press. méd.*; through *Pharm. J.*, 108 (Feb. 25, 1922), 150
- Sillar, W. C.  
**Advantages of prescribing by metric units**  
*Pharm. J.*, 108 (Feb. 25, 1922), 152
- Von Stölzner  
**Solvents in laundry work**  
*Chem. Umschau*; through *Pharm. Zent.*, 63 (Feb. 2, 1922), 68
- Wolff, H., and Dorn, C.  
**Chemistry of varnishes**  
*Chem. Ztg.*; through *Pharm. Ztg.*, 67 (Feb. 11, 1922), 126.