

# 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 lists 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.

## APPARATUS AND MANIPULATIONS.

- Anon  
Simple distilling apparatus  
*Pharm. Ztg.*, 65 (Dec. 1, 1920), 946  
Anon  
Simple test tube rack  
*Spatula*, 27 (Feb. 1921), 178  
Anon  
Test tube cleaner  
*Chem.-Ztg.*, through *Pharm. Ztg.*, 65 (Dec. 1, 1920), 946.

## PHARMACEUTICAL PREPARATIONS.

- Blomberg, J.  
Preparation of sterile iodoform emulsions  
*Pharm. Weekbl.*, 58 (Feb. 12, 1921), 192  
Bohrisch, P.  
Tincture of lobelia  
*Pharm. Ztg.*, 62 (Jan. 6, 1921), 2  
Haine, H.  
Examination of fluid extracts  
*Farm. Rev.*; through *Pharm. Ztg.*, 61 (Nov. 25, 1920), 673  
LeLoirrier  
Cerate for cracked nipples  
*Bull. gen. Therap.*; through *Pharm. J.*, 106 (Feb. 26, 1921), 146  
Meyer, J.  
Assay of phenol in soaps  
*Chem. Umschau*; through *Pharm. Ztg.*, 62 (Feb. 17, 1921), 102  
Nordgaard  
Fungoid growths in morphine solutions  
*Ugeskrift f. Laeger*; through *Pharm. Ztg.*, 62 (Feb. 3, 1921), 71
- Oestling  
Stability of tincture of iodine  
*Z. Finn. Apoth. Ver.*; through *Pharm. Zent.*, 62 (Feb. 10, 1921), 87  
Richaud, A.  
Aconitine content of aconite tinctures  
*J. pharm. chim.*, 23 (Jan. 1, 1921), 15  
Ruddiman, E. A.  
Decreasing the glycerin content  
*Bull. Pharm.*, 35 (Mch. 1921), 103  
Runge and Grobing  
Lessening the alcoholic strength of tinctures  
*Apoth. Ztg.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 673  
Smith, F. W.  
Extract of red squill as rat poison  
*Chem. News*, 122 (Feb. 25, 1921), 94  
Spiess, G.  
Panflavone pastilles  
*Dtsch. Med. Wschr.*; through *Pharm. Ztg.*, 62 (Jan. 6, 1921), 12  
Walker, H. C.  
Aromatic sulphuric acid  
*Pharm. J.*, 106 (Feb. 19, 1921), 130  
Welwart  
Assay of ammonia in oily mixtures  
*Chem. Ztg.*; through *Drug. Circ.*, 65 (Mch. 1921), 101

## GENERAL BOTANY AND BACTERIOLOGY.

- Cunningham  
Staining reticulated cells  
*Arch. Int. Med.*; through *Am. J. Pharm.*, 93 (Feb. 1921), 154

- Schoebl, O.  
Stability of dried vaccine virus  
*Philippine J. Sci.*; through *Am. J. Pharm.*, 93 (Feb. 1921), 143.
- THERAPEUTICS AND NEW REMEDIES.**
- Anon  
Hidot, a fly exterminator  
*Pharm. Zent.*, 62 (Feb. 10, 1921), 83
- Braeuler, R.  
Saprol in skin irritation  
*Münch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Jan. 13, 1921), 31
- Dufaux, L.  
Therapeutics of choleval  
*Berl. klin. Wschr.*, 62 (Jan. 20, 1921), 46
- Fischer, C.  
Asthmolysin  
*Dtsch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Feb. 3, 1921), 76
- Frey  
Modenol  
*Dtsch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Feb. 17, 1921), 106
- Grube, K.  
Polyfango  
*Med. Klin.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 680
- Haendel, L., and Joetten, K. W.  
"205 Bayer"  
*Berl. klin. Wschr.*; through *Pharm. Zent.*, 62 (Feb. 10, 1921), 90
- Herzog, J.  
Hyporit  
*Apoth. Ztg.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 694
- Jacoby,  
Mercedan  
*Berl. klin. Wschr.*; through *Pharm. Zent.*, 62 (Feb. 3, 1921), 76
- Mayer, G.  
Methanin disinfection  
*Münch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Feb. 3, 1921), 76
- Oppenheimer, H.  
Spuman  
*Berl. klin. Wschr.*; through *Pharm. Zent.*, 61 (Dec. 23, 1920), 745
- Piotrowski, A.  
Hydantoinas as sedatives  
*Münch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Jan. 27, 1921), 61
- Richet  
Antiseptics  
*Medecine*; through *Am. J. Pharm.*, 93 (Feb. 1921), 149
- Rohr, F., and Reisach, A.  
Tabelon  
*Münch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Jan. 6, 1921)
- Starkenstein, E.  
Pharmacologic action of atophan and calcium chlorate  
*Biochem. Ztschr.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 699
- Uhlmann, F., and Mirnstein  
Scalopan  
*Z. exp. Path.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 680
- VEGETABLE AND ANIMAL MATERIA MEDICA.**
- Anon  
Despoiling the cascara forests  
*Pharm. J.*, 106 (Feb. 19, 1921), 140
- Böhringer  
Isolation of the alkaloids of lobelia  
*Chem. Met. Eng. J.*; through *Drug. Circ.*, 65 (Mch. 1921), 102
- Bohrisch, P., and Kürschner, F.  
Tests for purity of spermaceti  
*Pharm. Zent.*, 61 (Dec. 9, 1920), 703; (Dec. 16, 1920), 719; (Dec. 23, 1920), 735
- Fourneau and Crespo  
Alcoholysis of balsams  
*Rept. Pharm.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 672
- Guyer, R. G.  
Drug plant cultivation in Scotland  
*Pharm. J.*, 106 (Feb. 26, 1921), 146
- Knecht and Hibbert  
Composition of rosin  
*Chem. Umschau*; through *Pharm. Zent.*, 61 (Dec. 23, 1920), 740
- Luhrig  
The hydrocyanic acid content of *Phaseolus lunatus*  
*Pharm. Zent.*, 62 (Feb. 17, 1921), 96
- Swirlowsky, E.  
Drug plants of Turkestan  
*Ber. dtsch. Pharm. Ges.*, 30 (Dec. 1920), 474
- Van der Wielen, P.  
Herb gathering in Holland  
*Pharm. Weekbl.*, 58 (Feb. 12, 1921), 175
- Wilczek  
Adulterants of cacao  
*Schweiz. Apoth.-Ztg.*, 59 (Feb. 24, 1921), 120
- Youngken, H. W.  
Cassaba and honey-dew melons  
*Am. J. Pharm.*, 93 (Feb. 1921), 104
- Zellner, J.  
Oil of ergot  
*Chem. Umschau*; through *Pharm. Zent.*, 61 (Dec. 23, 1920), 745
- Zufall, C. J.  
Alexandria senna cultivated in India  
*J. AM. PHARM. ASSOC.*, 10 (Mch. 1921), 185

## GENERAL AND PHYSICAL CHEMISTRY.

- Droste  
Harmony of the atomic weights  
*Pharm. Ztg.*, 65 (Dec. 25, 1920), 1017  
Guglielmelli, L.  
The sodium flame in polarimetry  
*Am. Soc. Quin., Argentina*; through *J. pharm. chim.*, 23 (Jan. 1, 1921), 31  
Schmiz, E.  
Harmony of the atomic weights  
*Pharm. Ztg.*, 65 (Dec. 1, 1920), 945

## INORGANIC CHEMICALS.

- Broeksmits, T. C. N.  
Crystalline magnesium carbonate  
*Pharm. Weekbl.*, 58 (Feb. 19, 1921), 210  
Denigès  
Test for phosphates and arsenates  
*Compt. rend.*; through *Drug. Circ.*, 65 (Mch. 1921), 102  
Gerasimow, A. F.  
Preparation of collargol  
*J. Russ. Phys.-Chem. Ges.*; through *Pharm. Zent.*, 62 (Jan. 6, 1921), 10  
Jolles, A.  
Detection of traces of indican in water  
*Ber. dtsh. Pharm. Ges.*, 30 (Nov. 1920), 421  
Luckhardt, A. B.  
Iodine in influenza  
*J. Pharm. Exp. Med.*; through *Pharm. Zent.*, 62 (Jan. 13, 1921), 31  
Sabalitschka, T., and Erdmann, W.  
Detection of manganese in the presence of phosphates  
*Ber. dtsh. Pharm. Ges.*, 30 (Nov. 1920), 443  
Stearns, A. E., Farr, H. V., and Knowlton, N. P.  
The official assay of phosphoric acid and phosphates  
*J. Am. Chem. Soc.*, 43 (Mch. 1921), 220  
Stick  
Turbidimetric methods for detecting traces of chlorides  
*Pharm. Ztg.*, 65 (Dec. 22, 1920), 1009  
Thoms, H., and Hess, L.  
Production and assay of arsine  
*Ber. dtsh. Pharm. Ges.*, 30 (Dec. 1920), 483  
Villedieu  
Non-toxicity of copper for moulds and mildews  
*Compt. rend.*; through *Pharm. J.*, 106 (Feb. 26, 1921), 146  
Macht, D. I.  
Toxicological study of alcohols

- J. Pharmacol. Exp. Therap.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 98A  
Mastbaum  
Spanish oil of thyme  
*Chem. Ztg.*; through *Pharm. Era*, 54 (Mch. 1921), 102  
Merrill, E. C.  
Test for heavy metals in acetyl salicylic acid  
*J. AM. PHARM. Assoc.*, 10 (Mch. 1921), 186  
Nolf  
Atropine in seasickness  
*Rept. Pharm.*; through *Drug. Circ.*, 65 (Mch. 1921), 101  
Pictet and Sarasin  
Levo-glucosan  
*Drug. Ztg.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 693  
Rabe, P.  
Identifying ornicet  
*Pharm. Ztg.*, 65 (Dec. 8, 1920), 965  
Rhodehamel and Stuart, E. H.  
Atropine sulphate from stramonium  
*J. Ind. Eng. Chem.*, 13 (Mch. 1921), 218  
Rippel, A.  
Stability of cocaine solutions  
*Arch. pharm.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 97A  
Rosenmund, K., and Dornsaft, H.  
Theory of adrenalin formation  
*Ber.*; through *Pharm. Zent.*, 61 (Dec. 16, 1920), 726  
Roubaud, E.  
Trioxymethylene for destroying anopheles  
*Compt. rend.*; through *Pharm. Zent.*, 62 (Jan. 6, 1921), 12  
Sabilitschka, T., and Daniel, M.  
Action of dicarbonic acids on aniline  
*Ber. dtsh. Pharm. Ges.*, 30 (Dec. 1920), 481  
Salvaterra, H.  
Determination of the saponification number of dark resins  
*Pharm. Zent.*, 62 (Feb. 3, 1921), 72  
Schaeffer  
Biologic test of vitamines  
*Medecine*; through *Am. J. Pharm.*, 93 (Feb. 1921), 150  
Schleip, L.  
Injury from phenolphthalein  
*Munch. Med. Wschr.*; through *Pharm. Zent.*, 62 (Jan. 6, 1921), 12  
Schoorle, N.  
Improvement in the iodoform test for alcohol  
*Pharm. Weekbl.*, 58 (Feb. 19, 1921), 209

- Schubiger, R.  
Veronal poisoning  
*Corresp. Bl. Schweiz. Aerzte.*; through *Pharm. Zent.*, 62 (Jan. 13, 1921), 31
- Sherk, D. C. L.  
Urethanes of thymol and carvacrol  
*Am. J. Pharm.*, 93 (Feb. 1921), 115
- Sievers, A. F.  
Maize oil  
*Bull. U. S. Dept. Agric.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 49R
- Stephenson, C. H.  
Microchemical tests for beta-eucaine  
*J. Am. Pharm. Assoc.*, 10 (Mch. 1921), 174
- ORGANIC CHEMICALS.
- Anderson, J. M., and Merrill, E. C.  
Pure skunk fat  
*J. Am. Pharm. Assoc.*, 10 (Mch. 1921) 213
- Anon  
New catalyster in the hydrogenation of fats  
*Seifensied.-Ztg.* through *Drug Circ.* 65 (Mch. 1921), 103
- Anon  
Propyl alcohol as a technical solvent  
*Pharm. Zent.*, 62 (Jan. 30, 1921), 40
- Boemer, A., and Baumann, J.  
Glycerides of coconut fat  
*Z. Unters. Nahr. Genussm.*; through *Pharm. Zent.*, 61 (Dec. 16, 1920), 727
- Bye, M.  
Benzyl succinate  
*J. Ind. Eng. Chem.*, 13 (Mch. 1921), 217
- Cable, D. E.  
Comparison of eastern and western hemlock oils  
*J. Am. Pharm. Assoc.*, 10 (Mch. 1921), 170
- Delsart  
Solubility of mercuric peptonate  
*Bull. Sci. Pharmacol.*; through *Pharm. Era*, 54 (Mch. 1921), 102
- Dox, A. W., and Yoder, L.  
Cyclobutane and spiro-pyrimidines  
*J. Am. Chem. Soc.*, 43 (Mch. 1921), 677
- Falck  
Acid formation by special fungi  
*Z. angew. chem.*; through *Pharm. Zent.*, 65 (Nov. 27, 1920), 931
- Fischer, F., and Schneider, W.  
Fatty acids by the oxidation of paraffins  
*Ber.*; through *Pharm. Zent.*, 61 (Dec. 23, 1920), 743
- Freund and Palik  
Refractive index of paraffin  
*Chem. Umschau*; through *Pharm. Zent.*, 62 (Feb. 10, 1921), 84
- Föhner, H.  
Hydrocyanic acid poisoning  
*Disch. Med. Wschr.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 681
- Harden, A.  
Vitamines  
*Chem. & Drug*, 94 (Feb. 12, 1921), 202
- Hoffmann, J. A.  
Arecoline hydrobromide  
*Disch. tierärz. Wschr.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 695
- Huerre, R.  
Oil of cade substitute  
*J. pharm. chim.*, 23 (Jan. 1, 1921), 37
- Hunt, B. E.  
Manufacture of ethyl iodide  
*Chem. Soc. Trans.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 98A
- Kircher, A., and Von Ruppert, F.  
Arsenic assay of neosalvarsan  
*Ber. dtsch. Pharm. Ges.*, 30 (Nov. 1920), 419
- Koks, M. T.  
Collobioses  
*Pharm. Weekbl.*, 58 (Feb. 12, 1921), 179
- Lachman, A.  
Volumetric assay of alcohol  
*J. Am. Chem. Soc.*, 43 (Mch. 1921), 230
- Lewin, L.  
Dangerous fat extraction solvents  
*Chem. Umschau*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 698
- Stepp, W.  
Formic acid in the body  
*Z. physiol. chem.*; through *Am. J. Pharm.*, 93 (Feb. 1921), 148
- Troeger, J., and Böncke, K.  
Augustura alkaloids  
*Arch. pharm.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 97A
- Troeger, J., and Tiebe, E. T.  
Volumetric assay of the methoxyl group  
*Arch. pharm.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 15, 1921), 102A
- Utz  
Caution in use of salvarsan preparations  
*Südd. Apoth.-Ztg.*; through *Pharm. Zent.*, 61 (Nov. 25, 1920), 695
- Utz, F.  
Solubility of phenolphthalein  
*Südd. Apoth.-Ztg.*; through *J. pharm. chim.*, 23 (Jan. 1, 1921), 31
- Van Itallie  
Examination of neosalvarsan  
*Pharm. Weekbl.*, 58 (Feb. 12, 1921), 186

- Westerbeek, B. J.  
Caution in injecting pituitrine  
*Med. Tid. Gesesk.*; through *Pharm. Weekbl.*, 58  
(Feb. 12, 1921), 195
- Wolfenstein, R.  
Identifying aluminum formate  
*Pharm. Ztg.*, 65 (Dec. 25, 1920), 1018
- Woollett, G. H.  
Aristol  
*J. Am. Chem. Soc.*, 43 (Mch. 1921), 553
- Zemplén, G.  
Glucosidal hydrolyses  
*Ber.*; through *Pharm. Zent.*, 61 (Dec. 23, 1920),  
743
- CLINICAL AND DIAGNOSTIC  
METHODS.
- Labat, A.  
Normal and pathological indoluria  
*Bull. soc. pharm. (Bordeaux)*; through *J. pharm. chim.*, 23 (Jan. 1, 1921), 23
- Laudat, M.  
Assay of urea in the blood  
*J. pharm. chim.*, 23 (Jan. 1, 1921), 5
- Posner, C.  
Physical methods of urine assay  
*Ber. dtsch. Pharm. Ges.*, 30 (Dec. 1920), 465



OVENS OF DEATH IN ST. ROCH CEMETERY, NEW ORLEANS, LA.

Scene showing the long rows of vaults, wherein lie many dead. The coffins are placed in these "death ovens," and the outer wall is sealed. The large edifice at the left is St. Roch's Chapel, a shrine which is believed by many to have produced miracles in the cure of the sick. Before it can be seen an array of thank offerings and burning tapers are placed before it by those who attributed miraculous cures to the shrine, and by those who were seeking help. The floor of the chapel is of white marble, and the side walls contain tiers of burial vaults. Above an altar is the shrine of St. Roch, the patron saint of health.

The American Pharmaceutical Association will meet in New Orleans during the week of September 5, 1921.