

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 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. Army, 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.

- Eschbaum, F.
New form of guttometer
Ber. deutsch. Pharm. Ges., 31 (May 1921), 211
- Hatcher, R. A.
Economy of time in percolation
Am. J. Pharm., 93 (Aug. 1921), 534
- Kroeber, L.
Examination of ampuls and other pharmaceutical glassware
Schweiz. Apoth. Ztg., 59 (July 14, 1921), 369
and (July 21, 1921), 382
- Roff, E. A.
New type of steam distilling apparatus
Pharm. J., 107 (July 9, 1921), 28

PHARMACEUTICAL PREPARATIONS.

- Mayer, J. L.
Stability of Churchill's tincture of iodine
J. AM. PHARM. ASSOC., 10 (July 1921), 525

GENERAL BOTANY AND BACTERIOLOGY.

- Moore, Benjamin
Photo synthetic processes
Chem. & Drug., 95 (July 2, 1921), 18
- Noack, K.
Catalysis of light in plants
Z. Bot.; through *Pharm. Weekbl.*, 58 (July 16, 1921), 993

THERAPEUTICS AND NEW REMEDIES.

- Alderson and Pruett
Poison oak dermatitis
Cal. State J. Med.; through *Am. J. Pharm.*, 93 (Aug. 1921), 588

- Daels, F.
Action of purgatives
Bull. Acad. Med. Belg.; through *Pharm. Weekbl.*, 58 (July 30, 1921), 1056
- Gershenfeld, L.
Blood coagulants
Am. J. Pharm., 93 (Aug. 1921), 543
- Modigliani, E. and DeVilla, S.
Intradermal test for whooping cough
Pediatrics; through *Pharm. J.*, 107 (July 23, 1921), 69

VEGETABLE AND ANIMAL MATERIA MEDICA.

- Anon
Caffeine assay of tea and coffee
Conn. Agr. Exp. Sta. Bull.; through *Am. J. Pharm.*, 93 (Aug. 1921), 560
- Blokzeijl, K. R. F.
Java coca industry
Pharm. Era, 54 (Aug. 1921), 276
- Cameron, C. R.
Batiputa berries
Comm. Rept.; through *Am. J. Pharm.*, 93 (July 1921), 517
- Ceriotti
Assay of alkaloids in cacao
Anal. Soc. Quim. Argentina; through *Pharm. J.*, 107 (July 9, 1921), 28
- Cleophas, W. E.
Curing of Japanese burdock
J. AM. PHARM. ASSOC., 10 (July 1921), 521
- Goris & Larsonneau
Constituents of belladonna leaves
J. Pharm. Belg.; through *Pharm. Era*, 54 (Aug. 1921), 274

Hahmann, C.

Anatomy of manaca root

Angew. Bot.; through *Pharm. Zent.*, 62 (July 14, 1921), 432

Hiltner, R. S. and Feldstein, L.

Hollyhock seed and oil

J. Ind. Eng. Chem., 13 (July 1921), 635

Houseman, P. A.

Licorice root and licorice extract

Am. J. Pharm., 93 (1921), 481

Kraemer, H.

Poison ivy and its remedy

Am. Drug., 69 (Aug. 1921), 24

Kuever, R. A.

Physiological function of fruit

J. AM. PHARM. ASSOC., 10 (July 1921), 526

Luciani, P.

Marjoram cultivation in Tunis

Bull. Sci. Pharm.; through *Pharm. J.*, 107 (July 30, 1921), 89

Luther, J. B.

The Turner reaction for Gurjun balsam

J. Assoc. Off. Agr. Chem.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 488A

Newcomb, E. L. and Smythe, C. E.

Moisture and ash content of agar

J. AM. PHARM. ASSOC., 10 (July 1921), 524

Newcomb, E. L.

Standards for Aspidium

J. AM. PHARM. ASSOC., 10 (July 1921), 524

Peacock, J. C. & Bertha

Astringencies of red rose and pale rose

Am. J. Pharm., 93 (July 1921), 497

Takagi, S.

The Chinese drug "Ho-shu-u."

J. Pharm. Soc. Jap., No. 472 (June 1921), 487

Zimmermann, W.

Cassia as a drug name

Pharm. Zent., 62 (July 14, 1921), 421

GENERAL AND PHYSICAL CHEMISTRY.

Holm, K.

Solubility of opium smoke

Pharm. Weekbl., 58 (July 30, 1921), 1034

Kolthoff, I. M.

Determination of hydrogen exponent in water analysis

Pharm. Weekbl., 58 (July 23, 1921), 1005

Kolthoff, I. M.

Estimation of hydrogen exponent with indicator papers

Pharm. Weekbl., 58 (July 2, 1921), 961

Langmuir, J.

Types of valence

Science, 54 (July 22, 1921), 59

Scheringa, K.

Water adsorption of certain powders

Pharm. Weekbl., 58 (July 2, 1921), 937

INORGANIC CHEMICALS.

Bernhard, H.

Disinfectant action of certain silver compounds

Centralk. Bakteriolog.; through *Pharm. Weekblad.*, 58 (July 2, 1921), 949

Farmer, R. C.

Preparing pure carbon dioxide

J. Chem. Soc.; through *Pract. Drug.*, 39 (Aug. 1921), 30

Horst, F. W.

Determination of traces of hydrogen dioxide

Chem. Ztg.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 507A

Hüttner, W.

Manufacture of bromides

Chem. Ztg., through *Pharm. Ztg.*, 66 (July 27, 1921), 634

Jannasch, P. and Noll, F.

Boric acid assay

J. prakt. chem.; through *Pharm. Weekbl.*, 58 (July 30, 1921), 1051

Kirchhof

Composition of golden sulphide of antimony

Z. Anorg. Chem.; through *Pharm. Weekbl.*, 58 (July 16, 1921), 993

Lührig, H.

Assay of minute amounts of nitrogen

Pharm. Zent., 62 (July 21, 1921), 437

Pautrier

Sulphur in alopecia

Presse Med.; through *Pharm. J.*, 107 (July 9, 1921), 69

Winkler, L. W.

Gravimetric assay of zinc

Z. angew. Chem.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 491A

ORGANIC CHEMICALS.

Abelmann, A.

Action of iodo-methyl magnesium on mercurio-alcohols and on mercuric chloride

Ber. dtsch. Pharm. Ges., 31 (May 1921), 233

Adcock, G. I.

Australian volatile oils

Chem. & Drug., 95 (July 19, 1921), 48

André, E.

Grape seed oil

Compt. rend.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 477A, and (July 31, 1921), 518A

Badreau, J.

Polarimetric assay of mannitol

J. pharm. chim., 24 (July 1, 1921), 12

- Baragiola, W. J.
Bogus cocaine
Schweiz. Apoth. Ztg., 59 (July 21, 1921), 381
- Batta, G. and Jenot, C.
Distinguishing between cocaine, novocaine and stovaine
J. Pharm. Belg.; through *Chem. News*, 123 (July 29, 1921), 65
- Berliner, M.
Bactericidal properties of metallic compounds of tryptaflavine
Berl. Klin. Wsch.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 486A
- Bridel, M. and Arnold, R.
Detecting dextrose in plants
Compt. rend.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 523A
- Calvert, C. C.
Alcohol from water gas
J. Biol. Chem.; through *Am. Drug.*, 69 (Aug. 1921), 44
- Canals, E.
Oil of boldo leaves
Chem. & Drug., 95 (July 2, 1921), 24
- Cloetta
Decomposition products of digitoxin
Arch. Exp. Path. Pharmacol.; through *J. pharm. chim.*, 23 (June 1921), 504
- Crocker, E. C.
Lignin tests
J. Ind. Eng. Chem., 13 (July 1921), 625
- Czapek, F.
Physiologic role of tannins
Collegium.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 521A
- Dietze, F.
Tests for chloroform and ether for narcosis
Boll. Chim. Farm.; through *Pharm. Ztg.*, 66 (July 27, 1921), 633
- Dooley, M. S.
A new digitalis body
J. Pharmacol. Exp. Ther.; through *Am. J. Pharm.*, 93 (Aug. 1921), 563
- Dupont, G.
Acids of maritime pine resin
Compt. rend.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 478A
- Euler, H. and Svanberg
Highly active invertine
Z. physiol. Chem.; through *J. pharm. chim.*, 23 (June 16, 1921), 506
- Fraenkel, S. and Massau
A tripeptide from caseine
Biochem. Zsch.; through *J. pharm. chim.*, 23 (June 18, 1921), 506
- Gadre, S. T.
Oil of clove stems
J. Indian. Ind. & Lab.; through *Chem. & Drug.*, 95 (July 30, 1921), 134
- Gander, K. and Zellner, J.
Oil of ergot
Seife; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 518A
- Glückmann
Detection of quassin
Pharm. Montsh.; through *Pharm. Zent.*, 62 (July 21, 1921), 445
- Goris and Vischniak
Oil of violet roots
Chem. & Drug., 95 (July 2, 1921), 24
- Grün and Wirth
Oxidation of paraffin to wax
Chem. Umschau; through *Pharm. Zent.*, 62 (July 7, 1921), 413
- Grüss, J.
Reagent for wood and vanillin
Ber. deutsch. Bot. Ges.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 527A
- Hermans, P. H.
Iodometric assay of acetone
Chem. Weekbl.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 488A
- Hirschfelder, A. D.
Saligenin as a local anesthetic
Minn. Med.; through *Pharm. J.*, 107 (July 30, 1921), 89
- Huerre
Oil of oxycedrus as antibleorrhagic
J. pharm. chim., 23 (June 16, 1921), 518
- Krauss, F. and Tampke, H.
Simultaneous detection of tartaric, oxalic and formic acids
Chem. Ztg.; through *J. Soc. Chem. Ind.*, 40 (July 15, 1921), 487A
- Kunz-Krause, H. and Manicke, P.
Splitting of chloral hydrate by mercury compounds
Ber. deutsch. Pharm. Ges., 31 (May 1921), 233
- LaWall, C. H.
"Sour salt"
Am. J. Pharm., 93 (July 1921), 496
- Löffler and Rutimeyer
Detection of methyl bromide in the cadaver
Vierteljahrss. Gericht. Med.; through *Pharm. Weekbl.*, 58 (July 16, 1921), 998
- MacLean, I. S. and Thomas, E. M.
Iodine value of sterols and resins
Biochem. J.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 518A

- Mandala, O., and Calderaro
Pyramidon assay
Gas. Chim. Ital.; through *Pharm. J.*, 107 (July 23, 1921), 70
- Marchand, J.
Oil of lavender for sores
Perf. Ess. Oil Rec.; through *Am. Drug.*, 69 (Aug. 1921), 43
- Messera
Constants of the chamomile oils
Rev. It Ess. Profum.; through *Drug. Circ.*, 65 (Aug. 1921), 302
- McKie, P. V.
Melting points of the benzoates of the eugenol and iso-eugenol
J. Chem. Soc.; through *Pharm. J.*, 107 (July 30, 1921), 89
- Merrill, Elmer
Quinine manufacture in the Philippines
Pharm. Era, 54 (Aug. 1921), 284
- Mestrezat, W.
Porrier blue as indicator
J. pharm. chim., 23 (June 16, 1921), 489
- Oertel, H.
Determination of water in fats and oils
Chem. Ztg.; through *Pharm. Weekbl.*, 58 (July 16, 1921), 994
- Pariselle
Composition of French oil of turpentine
Compt. rend.; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 519A
- Paul, E.
Oil of oats
Analyst; through *J. Soc. Chem. Ind.*, 40 (July 31, 1921), 518A
- Philibert, J.
Assay of urea and amino-acids in urine
J. pharm. chim., 24 (July 1, 1921), 5
- Read and Smith
Piperitone
J. Chem. Soc.; through *Pharm. J.*, 107 (July 23, 1921), 69
- Roberts, O. D.
Volatile oil of *Ocimum gratissimum*
J. Soc. Chem. Ind., 40 (July 15, 1921), 164T
- Soparkar, M. B.
Preparation of pepsin
Rept. Bombay Bact. Lab.; through *Pharm. Weekbl.*, 58 (July 16, 1921), 994
- Steenbock, H., Sell, M., and Buell, M. V.
Vitamines and the color of animal fats.
J. Biol. Chem.; through *Pharm. J.*, 107 (July 30, 1921), 89
- Thiéry
Ferrocyanide assay of uric acid
J. Pharm. Chim., 23 (June 16, 1921), 494
- Van der Marck, J. B. L.
Assay of lecithin
Pharm. Weekbl., 58 (July 16, 1921), 989
- Wallis, R. L. M.
Ethanosal as an antiseptic
Chem. & Drug., 95 (July 2, 1921), 18
- Warren, L. E.
Chemistry and therapeutics of chaulmoogra oil
J. AM. PHARM. ASSOC., 10 (July 1921), 510
- Yanagasawa, T. and Kondo, H.
Iodine as catalyser of cumarin
J. Pharm. Soc. Jap., No. 472 (June 1921), 498
- Zimmerman
Impure salol
Apoth. Ztg.; through *Drug Circ.*, 65 (Aug. 1921), 302
- Zimmermann, W.
Tests for veronal luminal and similar compounds
Apoth. Ztg.; through *Pharm. Weekblad*, 58 (July 2, 1921), 948
- CLINICAL AND DIAGNOSTIC
METHODS.
- Mounier
Test for glucose in urine
Rept. Pharm.; through *Drug Circ.*, 65 (Aug. 1921), 301
- Wetmore, A. S.
Assay of chlorides in the blood
J. Biol. Chem.; through *Am. Drug.*, 69 (Aug. 1921), 44.
- MISCELLANEOUS.
- Freundlich, H.
The flotation process
Z. Angew. Chem.; through *Pharm. Zent.*, 63 (July 14, 1921), 428
- Hanslian, R.
Chemicals used in the World War
Ber. dtsch. Pharm. Ges., 31 (May 1921), 219
- Koks, T.
Origin of opium smoking
Pharm. Weekbl., 58 (July 30, 1921), 1037