

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Compiled by A. G. DuMez, Reporter on the Progress of Pharmacy.

All articles in these lists will be presented in abstract form in the bound volumes of the YEAR BOOK, which is issued annually. Those desiring abstracts immediately can obtain them for a fee of one dollar each by communicating with A. G. DuMez, University of Maryland, School of Pharmacy, N. E. Cor. Lombard and Greene Sts., Baltimore, Md.

PHARMACOPEIAS AND FORMULARIES.

- Anon
Review of the new German Pharmacopœia
Am. Druggist, 74 (Nov. 1926), 36
Anon
The new German Pharmacopœia
Pharm. J., 117 (1926), 554
Anon
Cuban Formulary
Chem. & Drug., 105 (1926), 686
Anon
Review of the new German Pharmacopœia
Chem. & Drug., 105 (1926), 706
Anon
Review of the new Mexican Pharmacopœia
Chem. & Drug., 105 (1926), 739
Anon
Turkish Pharmacopœia
Chem. & Drug., 105 (1926), 686
Hofman, J. J.
Review of the Pharmacopœia of the United States, Tenth Edition
Pharm. Weekblad, 68 (1926), 1153
Jönsson, August
A review of the tests of the Swedish Pharmacopœia, 1925
Farm. Revy., 25 (1926), 365, 389, 401, 425, 453, 461, 482

PHARMACEUTICAL PREPARATIONS.

- Ahlborn, Sven
Keratin coating of pills
Svensk Farm. Tid., 30 (1926), 317
Carlson, C. E.
Preparation of physiological salt solution
Svensk Farm. Tid., 30 (1926), 333
Chartier, J.
Efficacy of the stabilizers used for preserving hydrogen dioxide solutions
J. pharm. chim., 3 (1926), 545
Heubner, H.
Organic iron preparations
Klin. Wochschr., 5 (1926); through *Pharm. Zentralhalle*, 67 (1926), 569
Johnston, W.
Lime Water
Pharm. J., 117 (1926), 552
Karsmark, K. A.
p-Oxybenzoic acid methyl ester as a preservative for syrups
Svensk Farm. Tid., 30 (1926), 473
Knight, W. A.
Liquor Cresol Saponatus B. P.
Pharm. J., 117 (1926), 553
Kroeker, Ludwig
Fluidextract of peppermint
Pharm. Zentralhalle, 67 (1926), 645
Kroeker, Ludwig
Fluidextract of ustilago
Pharm. Zentralhalle, 67 (1926), 577
Nielsen, Kaj
Preparation of pills containing extracts
Farm. Tidende (1926), 238; through *Pharm. Zentralhalle*, 67 (1926), 602
Östling, G. J.
Tincture of Iodine
Dansk Tids. Farm., 1 (1926), 139
Peyer, Willy, and Diepenbrock, Felix
Comparative study of the methods for determining the alcoholic content of pharmaceuticals
Apoth. Ztg., 41 (1926), 903
Picon, M.
Preparation of oily suspensions of the oxide and carbonate of bismuth for intramuscular injection
J. pharm. chim., 4 (1926), 5
Sabalitschka, Th., and Böhm, E.
Conservation of vegetable jellies and mucilages
Apoth. Ztg., 41 (1926), 635
Schmatella, O.
Falsification of aluminum acetate solution
Apoth. Ztg., 41 (1926), 860
Unna, P.
Question of an excipient for ointments
Apoth. Ztg., 41 (1926), 302; through *Pharm. Weekblad*, 63 (1926), 922

PHARMACOLOGY AND THERAPEUTICS.

Fabre, René

Chemical and physical properties of the endocrine principles and the application of them to the assay of these products

J. pharm. chim., 4 (1926), 13

Fabre, René

Thyroid gland

J. pharm. chim., 2 (1926), 16

Hammer, J. W.

The physiological assay of digitalis

Svensk Farm. Tid., 30 (1926), 181

Hesse, Erich

Contribution to the pharmacology of tetrophan

Arch. exptl. Path. Pharmakol., 114 p. 1-2; through *Apoth. Ztg.*, 41 (1926), 861

Gérard, E., and Lemoine, G.

Antitoxic action of the lipoïdes

Schweiz. Apoth. Ztg., 64 (1926), 495

Kehrer, J.

Poisoning with carbon tetrachloride

Nederland. Tijdschr. Geneeskunde (1926), 746; through *Pharm. Weekblad*, 68 (1926), 1108

Kinugasa, Y., and Hattori, Y.

Estimation of vitamine B

J. Pharm. Soc. Japan, No. 536 (1926), 852

Trauner, L.

Poisoning by adalin

Pharm. Ber. (1926), 86; through *J. pharm. Belg.*, 8 (1926), 501

ANIMAL AND VEGETABLE DRUGS.

Anon

Use of artificial fertilizer in the culture of Digitalis lanata Ehrh.

Pharm. Zentralhalle, 67 (1926), 656

Boros, Adam

Studies on Hungarian drugs

Heil-Gewürz-Pflanzen, 9 (1926), No. 2; through *Schweiz. Apoth. Ztg.*, 64 (1926), 469

Bridel, M., and Charaux, C.

Composition of black alder bark

Bull. soc. chim. biol. (1926), 655; through *J. pharm. Belg.*, 8 (1926), 767

Castille, A., and Pourbaix, Yvonne

Pepsin and the Belgian Pharmacopœia III

J. pharm. Belg., 8 (1926), 651

Cerbelaud, R.

Odors of the lower orders of plants

Bull. pharmacol. (1926), 290

Crimmins, M. L.

Collecting rattlesnake venom for use in making antivenin serum

J. A. M. A., 87 (1926), 1645

Henrijean, F., and Kapaczewski, W.

Researches on the composition of squill and its constituents

Rev. sci. (1926), 510; through *J. pharm. Belg.*, 8 (1926), 783

Holmes, E. M.

Notes on the poppy capsules of commerce

Pharm. J., 117 (1926), 552

Plitt, Charles C.

Medicinal plants found in Maryland

Maryland Pharm., 2 (Nov. 1926), 27

Sherman, H. C., et al.

Enzyme purification by adsorption. An investigation of pancreatic amylase

J. Am. Chem. Soc., 48 (1926), 2947

ALKALOIDS AND GLUCOSIDES.

Alov, J., and Valdigue, A.

Characterization of codeine and formol

J. pharm. chim., 4 (1926), 390

Cattelain, E.

Alkaloids of Lobelia inflata, their extraction, properties and constitution

J. pharm. chim., 4 (1926), 397

Clinquart, Edouard

Contribution to the study of liane yagé and its alkaloid

J. pharm. Belg., 8 (1926), 671

Fabre, René

A study of hemolysis by means of digitonin and quinine

J. pharm. chim., 4 (1926), 385

Fabre, René

New method for the extraction of alkaloids for plant materials

Compt. rend., 180 (1925), 966; through *Pharm. Weekblad*, 68 (1926), 1091

Kitasato, Z.

On the alkaloid of the seed of Nandina domestica

J. Pharm. Soc. Japan, No. 536 (1926), 843

Maniwa, H., et al.

Studies on the alkaloid of the seed of Nandina domestica L.

J. Pharm. Soc. Japan, No. 536 (1926), 833

Mike, J. & S.

Rapid and simple method for estimating caffeine in guarana

Pharm. Zentralhalle, 67 (1926), 193

Raymond-Hamet

Utilization of Wasicky's reagent for the identification of alkaloids

Bull. sci. pharmacol. (1926), 447, 518; through *J. pharm. Belg.*, 8 (1926), 779

- Riegel, E. R., and Williams, J. F.
New color reaction for procaine and some other local anesthetics and its application to the determination of procaine
J. Am. Chem. Soc., 48 (1926), 2871
- Spaeth, E., and Spitz, W.
Synthesis of galéGINE
Ber. deutsch. chem. Ges., (1925), 2273; through
J. pharm. Belg., 8 (1926), 599
- Yanagisawa, H., and Takashima, N.
Saponin of Primula Sieboldiae murr.
J. Pharm. Soc. Japan, No. 536 (1926), 844

ESSENTIAL OILS.

- Anon
Anise Oil
Ber. Schimmel & Co., (1926), 4
- Anon
Coriander Oil
Ber. Schimmel & Co., (1926), 23
- Anon
Lavander Oil
Ber. Schimmel & Co., (1926), 67
- Anon
Lemon Oil
Ber. Schimmel & Co., (1926), 7
- KaKu, T.
Essential oil of Ninniku
J. Pharm. Soc. Japan, No. 536 (1926), 866
- Massy, R.
Tests and phenol assay of oil of cade
Bull. Assoc. docteurs en pharm. univers. France (1926), 104; through *J. pharm. Belg.*, 8 (1926), 699
- Massy, R.
Pyrogenous oil of thuja
J. pharm. chim., 3 (1926), 559

OILS, FATS AND WAXES.

- Gelarie, Arnold J., and Greenbaum, F. R.
Chaulmoogra oil and its saponification
Natl. Druggist, 56 (1926), 446
- Perrot, Em.
Chaulmoogra and other oil-yielding plants used in leprosy
Bull. sci. pharmacol., (1926), 353; through *J. pharm. Belg.*, 8 (1926), 617
- Valentin, H.
Preparation and examination of oil of henbane
Apoth. Ztg., 41 (1926), 752

GENERAL AND PHYSICAL CHEMISTRY.

- Karsmark, Karl Algot
Influence of temperature on the solubility of sodium bicarbonate in water
Svensk Farm. Tid., 30 (1926), 274, 294

- Kolthoff, I. M., and Van Berk, L. H.
Use of potassium bi-iodate as a standard in alkalimetric and iodimetric titrations
J. Am. Chem. Soc., 48 (1926), 2799
- MacInnes, D. A., and Jones, Paul T.
A method for differential potentiometric titration
J. Am. Chem. Soc., 48 (1926), 2831
- Rosenthaler, L.
Remarks on colloidal preparations
Apoth. Ztg., 41 (1926), 578

INORGANIC CHEMICALS.

- Peters, K., and Deutschländer, E.
Bromometric estimation of chlorates
Apoth. Ztg., 41 (1926), 594
- Rollin, G.
Possible error in the assay of bismuth subnitrate by the method of the German Pharmacopœia
J. pharm. chim., 1 (1926), 509
- Rosenmund, K. W.
Iodometric method for the estimation of pentavalent arsenic and hydrogen dioxide
Apoth. Ztg., 41 (1926), 695
- Runne, H.
Detection of nitric acid by means of ferrous sulphate
Pharm. Nachrichten aus Wissenschaft und Praxis, (1926), 42; through *Apoth. Ztg.*, 41 (1926), 916
- Schulze, K.
Estimation of bismuth in the official preparations
Apoth. Ztg., 41 (1926), 373
- Van Urk, H. W.
Colorimetric estimation of the ferric ion
Pharm. Weekblad, 68 (1926), 1101
- Van Urk, H. W.
Colorimetric method for the estimation of the ferric ion in strong acid solution
Pharm. Weekblad, 68 (1926), 1121
- von Lippmann, E. O.
New reaction of aluminum
Ber. deut. chem. Ges., 59 (1926), 348; through *J. pharm. Belg.*, 8 (1926), 498

ORGANIC CHEMICALS.

- Bert, and Dorier
Synthesis of thymol from isopropyl alcohol
Réport. pharm., No. 2 (1926); through *Pharm. Zentralhalle*, 67 (1926), 601
- Danckwoortt, P. W.
Conservation of guaiac reagent
Apoth. Ztg., 41 (1926), 738

- Ekkert, L.
Contribution to the knowledge of the color reaction of some phenols with sodium nitro-prusside
Pharm. Zentralhalle, 67 (1926), 566
- Ekkert, L.
Contribution to the differentiation of veronal from luminal and propanal
Ber. Ungar. Pharm. Ges., No. 2 (1926); through
Pharm. Ztg., 71 (1926), 880
- Genot, Clément
Tests for the identification of tetroxal
J. pharm. Belg., 8 (1926), 763
- Kolle, W., et al.
On the impossibility of utilizing strontiurane for controlling the purity of salvarsan and neo-salvarsan
Münch. med. Wochschr. (1925), 2062; through
J. pharm. Belg., 8 (1926), 735
- Kondo, H., and Ogawa, S.
Chloro-derivatives of antipyrine
J. Pharm. Soc. Japan, No. 533 (1926), 545
- Miko, Gy.
Examination of citrate of caffeine and anti-pyrine
Ber. Ungar. Pharm. Ges., No. 2 (1926); through
Pharm. Ztg., 71 (1926), 880
- Nelson, E. K.
Acetyl groups in pectin
J. Am. Chem. Soc., 48 (1926), 2945
- Ojiyama, H., et al.
Synthesis of new derivatives of barbituric acid
J. Pharm. Soc. Japan, No. 533 (1926), 597
- Peyer, W.
Technical preparation of isopropyl alcohol
Apoth. Ztg. (1926), 299; through *Pharm. Zentralhalle*, 67 (1926), 670
- Rojahn, C. A., and Struffmann, F.
Characterization and estimation of potassium orthoguaiacolsulphonate in cough mixtures
Apoth. Ztg., 41 (1926), 373
- Rojahn, C. A., and Struffmann, F.
Identification of the more important medicinal and pharmaceutical phenols
Apoth. Ztg., 41 (1926), 503
- Söderberg, Gustaf
Test for sulphur in liquid paraffin
Farm. Revy, 25 (1926), 489
- Sumner, James B.
Urease in crystalline form
Science Service; through *Am. J. Pharm.*, 98 (1926), 605
- Van Eck, P. N.
Chloramine
Pharm. Weekblad, 68 (1926), 1117
- Van Urk, H. W.
Reaction of ferric chloride on codeine, antipyrine and pyramidon
Pharm. Weekblad, 68 (1926), 1078.

CLINICAL AND DIAGNOSTIC METHODS.

- Bowin, André
New micro-method for the estimation of urea in blood
Bull. soc. chim. biol. (1926), 456; through
J. pharm. Belg., 8 (1926), 699
- Johansen, Nicolai
A practical micromethod for the determination of blood sugar
Svensk Farm. Tid., 30 (1926), 33
- Macheboeuf, M.
Exact determination of phosphorus in small quantities of blood
Bull. soc. chim. biol. (1926), 464; through
J. pharm. Belg., 8 (1926), 714

SOME FACTS CONCERNING CHEMICAL WARFARE.

BY JOSEPH F. PADULA.

In view of the fact that so much is being said against the use of chemicals as a very "inhumane" weapon, it would not be amiss to show how much harm poison gases did during the last war as compared with other methods of warfare. Poisonous gases by their nature do not maim, mutilate or cause the body to be injured beyond recognition as is the case with high explosives and bullets.

The most poisonous gas used during the last war was mustard gas. In certain concentrations it is lethal. This gas produced the greatest number of gas casualties, and yet the chance of a soldier being saved even though mustardized is greater than that of the high explosive casualty.

During the last war the American Army in France experienced the effect of