

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.

PHARMACEUTICAL PREPARATIONS.

- Csipke, Z.
Preparation and assay of fluidextract of hydrastis
Magyar Gyogy. Tarsasag Ert., 5 (1929), 73;
through *Chem. Abstr.*, 23 (1929), 1991
- Hoffmann, Axel
Investigation of acetylsalicylic acid tablets and their magnesium oxide content
Am. J. Pharm., 3 (1929), 81
- Kroeber, Ludwig
Fluidextract of Polygala amara
Pharm. Zentralh., 70 (1929), 185
- Lajos, David
Determination of camphor in camphorated oil
Pharm. Ztg., 74 (1929), 437
- Manseau, A.
Identification of chloral and its application to syrup of chloral
Bull. soc. pharm. Bordeaux, 67 (1929), 26
- Schulek, E., and Vastagh, G.
Determination of the iodoform content of iodoform gauzes
Magyar Gyogy. Tarsasag Ert., 5 (1929), 43;
through *Chem. Abstr.*, 23 (1929), 1991
- Söderberg, Gustaf, and Nilsson, Henry
Preparation of liquor pectoralis benzoicus
Farm. Revy, 28 (1929), 177

PHARMACOLOGY AND THERAPEUTICS.

- Barbour, H. G., and Winter, J. E.
Antipyretic action and toxicity of combinations of magnesium with phenylcinchoninic acids
J. Pharmacol., 35 (1929), 425
- Curtis, F. R.
Action of some tertiary amines related to ephedrine
J. Pharmacol., 35 (1929), 321
- Curtis, F. R.
Sympathomimetic action of ephedrine
J. Pharmacol., 35 (1929), 333
- Edmunds, Charles W., et al.
Studies in bioassays: The strophanthins and ouabain
Jour. A. Ph. A., 18 (1929), 338

- Gold, Harry
Tolerance to the stimulant action of morphine
J. Pharmacol., 35 (1929), 355
- Gold, Harry, and DeGraff, Arthur C.
Digitalization by a small dose method
J. A. M. A., 92 (1929), 1421
- Hanzlik, P. J.
Pigeon-emesis method for estimating the potency of digitalis
J. Pharmacol., 35 (1929), 363
- Jamieson, William R.
Two cases of butyn poisoning
J. A. M. A., 92 (1929), 1519
- Levine, Samuel A., and Fulton, Marshall N.
Effect of quinidine sulphate on ventricular tachycardia
J. A. M. A., 92 (1929), 1162
- Macht, David I.
Phytopharmacological examination of epinephrine and ephedrine
Jour. A. Ph. A., 18 (1929), 335
- Stasiak, A.
Iodine content and biologic activity of thyroid preparations
Magyar Gyogy. Tarsasag Ert., 4 (1928), 385;
through *Chem. Abstr.*, 23 (1929), 1990
- Stewart, H. H.
Ephedrine in pertussis
Brit. M. J. (1929), 293; through *Chem. & Drug.*, 110 (1929), 385
- Villaret, M., and Justin-Besançon, L.
Action of acetylcholine
Lancet (1929), 493; through *Chem. & Drug.*, 110 (1929), 385
- Williams, Robert C., and Young, H. C.
Toxic property of sulphur
Ind. & Eng. Chem., 21 (1929), 359

ANIMAL AND VEGETABLE DRUGS.

- Anon
Japanese anthelmintic from Digenea simplex
Tokio Med. J., vol. 40, No. 3; through *Chem. & Drug.*, 110 (1929), 384
- Garnier, Maurice
Estimation of manganese in the ash of plants.
Bull. sci. pharmacol., 36 (1929), 140

Krishna, S., and Ghose, T. P.
Extraction and assay of Indian ephedras
J. Soc. Chem. Ind., 48 (1929), 67T
 Kroeber, Ludwig
**Pharmacochemical results of an investigation
 of German medicinal plants**
Pharm. Ztg., 74 (1929), 364
 Liu, J. C., and Read, B. E.
**Differential characters of three common
 Chinese species of ephedra**
Jour. A. Ph. A., 18 (1929), 328
 Peyer, W., and Liebisch, W.
**Two phloroglucide-containing drugs, Albizzia
 anthelmintica and Combretum Raumbaultii**
Pharm. Zentralh., 70 (1929), 197

BACTERIOLOGY.

Dryerre, Henry
Enzymes in pharmaceutical preparations
Pharm. J., 122 (1929), 279
 Todd, J. P., and Smith, Helen M.
Bacterial content of certain medicaments
Pharm. J., 122 (1929), 301

ALKALOIDS AND GLUCOSIDES.

Boie, Heinrich, and Lindner, Alois
**Determination of theobromine in diuretin and
 similar combinations**
Pharm. Ztg., 74 (1929), 418
 Bourcet, P.
Estimation of pilocarpine
Schweiz. Apoth. Ztg., 67 (1929), 134
 Bourcet, P.
Determination of pilocarpine
Ann. fals., 22 (1929), 23; through *Chem.
 Abstr.*, 23 (1929), 1992
 Chou, Tsan-Quo
Alkaloids of Corydalis ambigua
Chinese J. Physiol., 1 (1928), 69; through
Pharm. J., 122 (1929), 328
 David, L.
Determination of morphine
Ber. Ungar. Pharm. Ges., 2 (1926), 103;
 through *Chem. Abstr.*, 23 (1929), 1716
 Dubrcuil, R., and Roulier, C.
Preparation of pure emodin
Bull. sci. pharmacol., 36 (1929), 136
 Eder, R., and Sack, Anna
**Quantitative estimation of glycyrrhizic acid
 in licorice and licorice extract**
Pharm. Acta Helv., 4 (1929), 25
 Ekkert, L.
Reactions of holocaine

Magyar Gyogy. Tarsasag Ert., 5 (1929), 19;
 through *Chem. Abstr.*, 23 (1929), 1990
 Golse, J.
**Rapid estimation of alkaloids in drugs and
 official preparations**
Bull. soc. pharm. Bordeaux, 67 (1929), 12
 Mancini, A.
**Value and significance of the iodic acid reaction
 for the identification of adrenaline**
Arch. sci. biol., 9 (1927), 281; through *J.
 pharm. chim.*, 9 (1929), 341
 Rosenthaler, L.
**Beta-anthroquinonemonosulphonic acid as a
 microchemical reagent for alkaloids**
Am. J. Pharm., 101 (1929), 196
 Rozsa, P.
**Gravimetric determination of colocythine in
 extract of colocyth**
Magyar Gyogy. Tarsasag Ert., 4 (1928), 196;
 through *Chem. Abstr.*, 23 (1929), 1719
 Scholtz, G. P.
**Determination of morphine with barium hy-
 droxide**
Ber. Ungar. Pharm. Ges., 3 (1927), 435;
 through *Chem. Abstr.*, 23 (1929), 1717
 Schulek, E., and Vastagh, G.
**Determination of novocaine and codeine in
 the presence of each other**
Magyar Gyogy. Tarsasag Ert., 4 (1928), 188;
 through *Chem. Abstr.*, 23 (1929), 1719
 Tröger, J.
Alkaloids of angostura bark
Pharm. Zentralh., 70 (1929), 213
 Van Urk, H. W.
New reactions of cantharidin
Pharm. Weekbl., 66 (1929), 315
 Wagenaar, M.
Microchemical reactions of cinchonine
Pharm. Weekbl., 66 (1929), 250
 Wagenaar, M.
Microchemical reactions of cinchonidine
Pharm. Weekbl., 66 (1929), 261

ESSENTIAL OILS.

Fischer, R., and Kofler, L.
**Improvement in Dagert's method for the de-
 termination of essential oils in drugs**
Apoth. Ztg., 44 (1929), 435
 Rosenthaler, L.
Microchemical distinctions of ethereal oils
Am. J. Pharm., 101 (1929), 191
 Rutovskii, B. N., and Vinogradova, I. V.
Essential oil of Artemisia annua
Trans. Sci. Chem.-Pharm. Inst. (Moscow)
 (1927), 15; through *Chem. Abstr.*, 23 (1929),
 1720

FIXED OILS, FATS AND WAX.

- Bodendorf, Kurt
Detection of cacao butter adulteration by means of benzo-peracid oxidation
Pharm. Ztg., 74 (1929), 384
- Boehm, Theodor, and Fresenius, Philipp
Determination of the saponification number of fatty oils
Apoth. Ztg., 44 (1929), 349
- Colombier, and Chaize
Researches on the falsification of cacao butter
Ann. fals., 21 (1928), 91; through *J. pharm. chim.*, 9 (1929), 263

INORGANIC AND PHYSICAL CHEMISTRY.

- Aversenq, Jaloustre, and Maurin
Action of thorium X upon the active-principle content of certain medicinal plants
Compt. rend., 188 (1929), 345; through *Chem. Abstr.*, 23 (1929), 1723
- Gemmill, Raymond, *et al.*
Confirmatory test for aluminum
J. Am. Chem. Soc., 51 (1929), 1165
- Gerasimov, A. F.
Preparation and properties of collargol
Trans. Sci. Chem.-Pharm. Inst. (Moscow) (1926), 69; through *Chem. Abstr.*, 23 (1929), 1719
- Golse, J.
Simplification of the method for the determination of nitric acid by reduction with iron salts
Bull. soc. pharm. Bordeaux, 67 (1929), 8

ORGANIC CHEMICALS.

- Bills, C. E., and Honeywell, E. M.
Ergosterol
J. Biol. Chem. (1928), 15; through *Chem. & Drug.*, 110 (1929), 379
- Bodendorf, Kurt
Decomposition of chloroform and the effect of light and oxygen on its conservation
Apoth. Ztg., 44 (1929), 351
- DeCoquet, C.
Titration of calcium glycerophosphates and their saccharates
Bull. soc. pharm. Bordeaux, 67 (1929), 15
- Dietrich, K. R., and Jeglinski, H.
German Pharmacopœia reaction for fusel oil in alcohol
Pharm. Ztg., 74 (1929), 436
- Dott, D. B.
Decomposition of acetylsalicylic acid in aqueous solution of sodium salt
Pharm. J., 122 (1929), 302, 355

- Fabre, René, and Simonnet, Henri
Considerations on testing the activity of irradiated ergosterol
J. pharm. chim., 9 (1929), 331
- Keimatsu, S., and Hirano, J.
Constitution of hydroxymethyl-anthraquinones
J. Pharm. Soc. Japan, No. 564 (1929), 140
- Kirklin, B. R.
New derivative of iodine for cholecystography
Radiology, 9 (1927), 205; through *J. Chem. et Chim.*, 9 (1929), 341
- Klingstedt, F. W., and Sundström, E.
Detection and estimation of thymol
J. prakt. Chem., 116 (1927), 307; through *J. pharm. chim.*, 9 (1929), 352
- Leffmann, Henry
Comments on the alcohol tests of the German Pharmacopœia
Am. J. Pharm., 101 (1929), 275
- Magidson, O. Yu, and Krol, V. M.
Production of salol
Trans. Sci. Chem.-Pharm. Inst. (Moscow) (1926), 54; through *Chem. Abstr.*, 23 (1929), 1719
- Norin, T.
Test for acetone in alcohol
Farm Revy, 28 (1929), 161
- Pichon, Maurice
Preparation of a basic salicylate of titanium
J. pharm. chim., 9 (1929), 338
- Rae, J.
Action of peroxidase on glycerophosphates
Pharm. J., 122 (1929), 354
- Teletov, I. S.
Rapid preparation of dermatol and its probable constitution
J. Applied Chem., Russia, 1 (1928), 115; through *Chem. Abstr.*, 23 (1929), 1718
- Tomoda, Yoshinori
Simple method for the determination of acetaldehyde
J. Soc. Chem. Ind., 48 (1929), 76r
- Towle, E. C., and Merrill, E. C.
Preliminary studies of the Rosenheim, Drummond color tests of vitamine in cod-liver oil
JOUR. A. PH. A., 18 (1929), 357
- Van Urk, H. W.
Behavior of salvarsan and neo-salvarsan toward aldehydes
Pharm. Weekbl., 66 (1929), 297
- Van Urk, H. W.
p-Dimethylamidobenzaldehyde as a reagent for organic medicinal substances
Pharm. Weekbl., 66 (1929), 101; through *J. Soc. Chem. Ind.*, 48 (1929), 263

CLINICAL REAGENTS AND TESTS.

Chiray, M., and Cuny, L.

Colorimetric estimation of bile salts in duodenal liquid

J. pharm. chim., 9 (1929), 250

Decade, J.

New graph for the analysis of urine

J. pharm. chim., 9 (1929), 259

Horkheimer, Ph.

Tests for aceto-acetic acid in urine

Süddeut. Apoth.-Ztg., 68 (1929), 102; through*Pharm. J.*, 122 (1929), 307

VITAMINE B—ITS NATURE AND ITS WORKS.

"Although it has been more than twenty years since Professor Pekelharing, noted Dutch investigator, hazarded the opinion that there is a still unknown substance in milk, which, even in very small quantities, is of paramount importance to nourishment, the isolation of vitamins in pure form remains an unsolved problem for the research worker in the laboratory. As long ago as 1887, a commission from the Netherlands was studying beriberi, and, indeed, since that time the search for the elusive essential substance has been constant. In a recent survey of biochemical investigations of vitamine B Kruse and McCollum, of the biochemical laboratory of Johns Hopkins University, have traced the gradual development of interest in the nature of this vitamine. The demonstration of the existence of the vitamine was not accepted without a struggle. It was not until 1920, that Abderhalden agreed that there was no longer doubt of the existence of a series of nutritive elements which participate in metabolism and influence organic functions specifically. The credit for the term vitamins goes to Funk, who in 1911, separated a potent extract from rice polishings. Almost simultaneously, numerous other investigators isolated the antineuritic substances in relatively concentrated forms, and several additional terms, such as oryzanin, torulin and antiberiberin, were suggested; but the term coined by Funk has been able to capture both medical and popular fancy notwithstanding the fact that the substances are not amines. The suggestion by Drummond that the final "e" be dropped solved the difficulty of confusion with chemical nomenclature.

The U. S. P. uses the final "e," hence for the present, the *JOUR. A. PH. A.* uses the "e" ending.

"Since 1911 investigations on vitamine B have been extended, so that it is apparent now that it is concerned with many other conditions besides beriberi. It has been associated, as almost every one knows, with such qualities as are attached to yeast."—*J. A. M. A.*, Feb. 16.

SAL PRUNELLA.

One of the most interesting articles in the materia medica, from the historical point of view, is potassium nitrate, and not the least interesting form in which it has been employed is sal prunella, or lapis prunellæ as it was often called. In English medicine it has been in regular use for at least three hundred years (it was official in the first London Pharmacopœia), and generally for the one purpose of treating sore mouth and throat. Its name, as indicated in the *C. & D. Compendium* (page 250), has always been something of a puzzle. It may have begun its career as "brunells," a diminutive of the medieval Latin *brunus*—brown, and have been associated with the German *Bräune*—quinsy. Dr. James says that this preparation (which by-the-way was also known under several other names) had been observed by the Germans during an epidemic of "camp fever attended with the dangerous black quinsy" to act as a cure; this particular kind of quinsy was called die *Bräune*. Gerard, more than a hundred years earlier, gives precisely the same explanation as to why the herb self-heal was called by the same name. The triangular association of the chemical, the herb, and the Germans assumes a rather different aspect at the hands of Nicholas Lemery (1698), for he states that "this preparation is called Sal or Lapis Prunellæ, either because the essential salt which is drawn from Prunella or self-heal hath the same virtue and figure as Crystal Mineral (which is another name for the fused salt-petre), or else because it is given in hot Fevers, whose heat is compared to that of a burning coal called *Pruna* (Pruna-Latin—a glowing coal). The Germans do give it the form of a Sloe, after having coloured it red with Roses." Le Febure, who was chemist to Charles II had adopted (1670) the idea that the name was used because of the drug's refrigerant properties, for, says he: "it is a Sovereign Remedy against those Feavers which are called Fievres Prunelles, or Burning Feavers, because *Prunella* in Latin signifies a Burning Coal."—*Chemist & Druggist*, March 2, 1929.