

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

All articles recorded 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, Hygienic Laboratory, U. S. P. H. S., 25th & E Sts., N. W., Washington, D. C.

APPARATUS AND MANIPULATIONS.

Astruc, A., and Canals, E.

A rotating dialyzer

J. pharm. et chim., 2 (1925), 14

Bridel, M. M., and Barel, G.

Shortening the time of percolation

J. pharm. et chim., 2 (1925), 49

Houseman, P. A., and Swift, C. K.

Continuous extraction apparatus

Ind. & Eng. Chem., 17 (1925), 831

PHARMACOPŒIAS AND FORMULARIES.

British Pharmacopœia

Notes on revision of

Perf. & Ess. Oil Rec., 16 (1925), 218

White, Edmund

Recent and coming developments in British Pharmacy

Chem. & Drug., 103 (1925), 159

PHARMACEUTICAL PREPARATIONS.

Bayer and Company

New synthetics for jasmin perfumes

Perf. & Ess. Oil Rec., 16 (1925), 223

Dyer, F. J., and Melville, R.

Experiments on phosphorus pill

Chem. & Drug., 103 (1925), 180

Dyer, F. J., and Metcalfe, K. M.

Note on oleyated mercury

Chem. & Drug., 103 (1925), 180

Irison, L.

Convenient excipient for pills of terpin and codeine

J. pharm. Alsace-Lorraine, 51 (1924), 203; through *Chem. Abstr.*, 19 (1925), 2259

Kling, A., and Florentin, D.

Observations on constitution and reactions of orange flower water

Annales des falsif., 18 (1925), 193; through *Bull. sci. pharmacol.*, 32 (1925), 380

PHARMACOLOGY AND THERAPEUTICS.

Alessio, F.

Action of pyridine on blood pressure

Biochem. therap. sper., 11 (1924), 394; through *Bull. sci. pharmacol.*, 32 (1925), 448

Aymonin, V.

Therapeutic application of *Matricaria discoidea* DC

Bull. de la Soc. d'étude Sc. Natur Haute-Marne (1923); through *Bull. sci. pharmacol.*, 32 (1925), 445

Bernard, H.

Large doses of tincture of iodine in pulmonary tuberculosis

J. des Praticiens, Apr. 30, 1924; through *Bull. sci. pharmacol.*, 31 (1925), 172

Best, C. H., and Ridout, J. H.

Blood lactic acid after insulin

J. Biol. Chem., 63 (1925), 197; through *Chem. Abstr.*, 19 (1925), 2242

Bissinger, E., Lesser, E. J., and Zipf, K.

Mechanism of insulin action

Klin. Wochschr., 2 (1923), 2233; through *Chem. Abstr.*, 19 (1925), 2241

Blum, L.

Perlingual administration of insulin

C. R. Ac. Sc., 178 (1924), 1225; through *Bull. sci. pharmacol.*, 31 (1925), 496

Bornstein, A., and Griesbach, W.

Insulin and adrenaline

Z. ges. exper. Med., 43 (1924), 371; through *Chem. Abstr.*, 19 (1925), 2242

Burn, J. H., and Dale, H. H.

Localization and nature of the action of insulin

J. Physiol., 59 (1924), 164; through *Bull. sci. pharmacol.*, 32 (1925), 446

Burn, J. H., and Marks, H. P.

Action of thyroidectomy on the effect of insulin on the blood sugar of rabbits

J. Physiol., 59 (1924), 11; through *Bull. sci. pharmacol.*, 32 (1925), 446

Cantonnet, A.

Zinc sulfate in ophthalmology

J. des Praticiens, Apr. 5, 1924; through *Bull. sci. pharmacol.*, 31 (1925), 173

Chistoni, A.

Behavior of acetylsalicylic acid in the body

Arch. int. Pharm. et Therap., 29 (1924), 397; through *Bull. sci. pharmacol.*, 32 (1925), 447

Christiani and Gautier, R.

Chronic alimentary intoxication due to fluorine

C. R. Soc. Biol., 92 (1925), 139; through *Bull. sci. pharmacol.*, 32 (1925), 437

- Coope, R., and Chamberlain, E. N.
Pituitary extract and fatty infiltration of the liver
J. Physiol., 59 (1924), fi; through *Bull. sci. pharmacol.*, 32 (1925), 446
- Cori, C. F.
Influence of insulin and adrenaline on lactic acid content of blood tissues
J. Biol. Chem., 63 (1925), 253; through *Chem. Abstr.*, 19 (1925), 2242
- Daniélopou, D.
Action of papaverine on the human stomach
Arch. int. Pharm. et Therap., 29 (1924), 471; through *Bull. sci. pharmacol.*, 32 (1925), 446
- Deckers, L.
Amounts of chloroform and ether necessary for varying degrees of narcosis
Arch. int. Pharm. et Therap., 30 (1925), 229; through *J. pharm. Belg.*, 7 (1925), 502
- Fabre, R.
Aldehyde content of the blood
Bull. soc. chim. biol., (1925), 429; through *J. pharm. Belg.*, 7 (1925), 502
- Formiguera, R. C., and Puche, J.
Mechanism of insulin action
Compt. rend. soc. biol., 92 (1925), 813; through *Chem. Abstr.*, 19 (1925), 2242
- Fourneau, E., Tréfouel, J., and Vallée, J.
A new series of trypanocidal drugs
C. R. Ac. Sc., 178 (1924), 675; through *Bull. sci. pharmacol.*, 31 (1925), 496
- Gastou, P. L., and Pontoizeau, E. M.
Bismuth salts in treatment of syphilis
Arch. Méd. et pharm. Militaires, Paris, 79 (1923), 777; through *Bull. sci. pharmacol.*, 31 (1925), 495
- Haldane, J. B. S., Kay, H. D., and Smith, W.
Action of insulin on blood volume
J. Physiol., 59 (1924), 193; through *Bull. sci. pharmacol.*, 32 (1925), 446
- Hassencamp, E.
Action of adrenaline on man
Deutsch. med. Wochschr., 50 (1924), 1044; through *Chem. Abstr.*, 19 (1925), 2240
- Hayghebaert, E.
Haemolytic action of methylene blue
Arch. int. Pharm. et Therap., 29 (1924), 405; through *Bull. sci. pharmacol.*, 32 (1925), 447
- Heymans, C.
Bio-assay of the vaso-constrictor and ocytotoxic activity of pituitary extracts
Arch. int. Pharm. et Therap., 30 (1925), 275; through *J. pharm. Belg.*, 7 (1925), 501
- Heymans, C., and Maltou, M.
Metabolic action of insulin
Arch. int. Pharm. et Therap., 29 (1924), 311; through *Bull. sci. Pharmacol.*, 32 (1925), 384
- Hirschfelder, A. D., and Maxwell, H. C.
Insulin in experimental alcohol and acetone intoxication
Am. J. Physiol., 70 (1924), 520; through *Bull. sci. pharmacol.*, 32 (1925), 382
- Jansen, W. H.
Biological value of various calcium salts
Klin. Wochschr., 3 (1924), 715; through *Chem. Abstr.*, 19 (1925), 2241
- Javillier, M., Baude, P., Lévy-Lajeunesse, S.
Attempted identification of vitamin A
Bull. soc. chim. biol., 7 (1925), 39; through *Bull. sci. pharmacol.*, 32 (1925), 436
- Javillier, M., Baude, P., and Lévy-Lajeunesse, S.
Vitamin A content of cod liver oil
Bull. sci. pharmacol., 31 (1925), 442
- Joachimovits, R.
Action of salt of β -pyridone and some derivatives of nicotinic acid on uterus
Arch. Gynäkol., 123 (1925), 769; through *Chem. Abstr.*, 19 (1925), 2241
- Juillet, A., and Diacono, H.
Attempted destruction of body louse by soap emulsions of Dalmatian oleoresin pyrethrum
Bull. sci. pharmacol., 32 (1925), 413
- Key, J. A.
Blood changes in lead intoxication in rabbits
Am. J. Physiol., 70 (1924), 86; through *Bull. sci. pharmacol.*, 32 (1925), 445
- Killeffer, D. H.
Industrial poisoning by aromatic compounds
Ind. & Eng. Chem., 17 (1925), 821
- Kudryasheva, A.
Influence of insulin on nitrogen metabolism
Z. ges. expl. Med., 44 (1925), 313; through *Chem. Abstr.*, 19 (1925), 2241
- Kylin, E.
The phase action of adrenaline
Klin. Wochschr., 4 (1925), 501; through *Chem. Abstr.*, 19 (1925), 2241
- LaBarre
Intervention of peristaltic exciting substances on the intestinal action of the alkaloids of opium
Arch. int. Pharm. et Therap., 29 (1924), 179; through *Bull. sci. pharmacol.*, 32 (1925), 445
- Leclerc, H.
Antalgic action of camomile
Bull. soc. Therap., 7 (1923), 185; through *Bull. sci. pharmacol.*, 31 (1925), 495
- Lesne, Hazard, and Langle
Creatinine content of the blood of normal and abnormal children
C. R. Soc. Biol., 92 (1925), 23; through *Bull. sci. pharmacol.*, 32 (1925), 436

- Lewis, J. T., and Magenta, M.
Mechanism of recuperation of glucemia after insulin
Compt. rend. soc. biol., 92 (1925), 821; through
Chem. Abstr., 19 (1925), 2242
- Mendola, S. La.
Influence of cocaine and cocaine and hypnotics on cerebral lipoids
Arch. farm. sper., 39 (1924), 122; through
Chem. Abstr., 19 (1925), 2240
- Midgley, T.
Tetraethyl lead poison hazards
Ind. & Eng. Chem., 17 (1925), 827
- Nelson, E. E., and Keiper, G. F.
Action of pilocarpine on the smooth muscle of the blood vessels
Arch. int. Pharm. et Therap., 29 (1924), 11;
 through *Bull. sci. pharmacol.*, 32 (1925), 384
- Nicolle, P.
Pharmacodynamic studies of some trisubstituted acyclic α -glycols having hypnotic properties
Bull. sci. pharmacol., 31 (1925), 433
- Rabinowitch, I. M.
Action of thyroxin
J. Biol. Chem., 62 (1924), 245; through
Chem. Abstr., 19 (1925), 2242
- Rademaeker, A., and Sollmann, T.
Researches on the purgative salines
Arch. int. Pharm. et Therap., 29 (1924), 480;
 through *Bull. sci. pharmacol.*, 32 (1925), 447
- Read, B. E.
Metabolism studies with chaulmoogra oil.
I. Influence of chaulmoogra oil on calcium metabolism
J. Biol. Chem., 62 (1924), 515; through
Bull. sci. pharmacol., 32 (1925), 373
- Sacchelto, J.
Action of sulfocyanide of the saliva on some digestive processes of smokers. I-II
Biochim. terap. sper., 11 (1924), 314; through
Bull. sci. pharmacol., 32 (1925), 448
- Schimizu, K.
Action of plant secretion on the pancreas
Biochem. Z., 149 (1924), 556; through *Chem. Abstr.*, 19 (1925), 2243
- Schlomovitz, B. H., and Seybold, E. G.
Toxicity of acetone bodies. I. Intravenous injections of acetone
Am. J. Physiol., 70 (1924), 130; through
Bull. sci. pharmacol., 32 (1925), 437
- Seckinger, D. L.
Action of ovarian extracts on spontaneous contractions of the Fallopian tube of the sow
Am. J. Physiol., 70 (1924), 538; through
Bull. sci. pharmacol., 32 (1925), 381
- Serefis, S.
Activity of alkali and atropine on adrenaline glucemia
Z. ges. exper. Med., 43 (1924), 438; through
Chem. Abstr., 19 (1925), 2242
- Simon, J.
Action of halogenous salts of sodium on blood viscosity
Arch. sci. biol. (Italy), 6 (1924), 1; through
Chem. Abstr., 19 (1925), 2240
- Snapper, I., Grünbaum, A., and Rümke, H.
Pharmacology and therapeutic application of akenitone
Nederland. Tijdschr. Geneeskunde, 69, I (1925), 978; through *Chem. Abstr.*, 19 (1925), 2239
- Starkenstein, E.
Effect of cincophen on the vegetative nervous system
Z. ges. exper. Med., 43 (1924), 449; through
Chem. Abstr., 19 (1925), 2243
- Tocco-Tocco, L.
Pharmacodynamic action of santonin on ascaris
Arch. int. Pharm. et Therap., 29 (1924), 85;
 through *Bull. sci. pharmacol.*, 32 (1925), 382
- Tocco-Tocco, L.
Pharmacological researches on insecticides.
2. Quassine
Arch. int. Pharm. et Therap., 29 (1924), 109;
 through *Bull. sci. pharmacol.*, 32 (1925), 382
- Umberto, D.
Habituation to arsenic is doubtful
Arch. farm. sper., 39 (1924), 173; through
Chem. Abstr., 19 (1925), 2240
- Watts, C. F.
Action of curare and its weakening of the electric excitability of the striated muscle
J. Physiol., 59 (1924), 143; through *Bull. sci. pharmacol.*, 32 (1925), 446

GENERAL BOTANY AND
 BACTERIOLOGY.

- Chinese liquorice root**
Chem. & Drug., 103 (1925), 124
- Carcamo, R.
Disintegration products of bacterial cultures
J. pharm. Belg., 7 (1925), 497
- Dawson, W. R.
The mandrake in ancient and mediaeval history
Am. Druggist, 73 (1925), 24
- Desesquelle, Ed.
Camphor
Bull. sci. pharmacol., 31 (1925), 476
- Eder, von R., and Schneiter, W.
Estimation of santonin in Flores ciniae
Schweiz. Apoth.-Ztg., 29 (1925), 405

Freundler, P.

Variations in iodine content of *Laminaria flexicaulis*

C. R. Ac. Sc., 178 (1924), 1625; through
Bull. sci. pharmacol., 31 (1925), 492

Short, G. R. A.

Structure of Coscinium

Chem. & Drug., 103 (1925), 185

Wallis, T. E., and Mowat, E. J.

True and false *santonicas*

Chem. & Drug., 103 (1925), 182

Willimott, S. G., and Wokes, F.

Vitamin content of *Cortex Limonis*, B. P.

Chem. & Drug., 103 (1925), 187

VEGETABLE AND ANIMAL DRUGS.

Drug cultivation in Latvia

Chem. & Drug., 103 (1925), 48

Gérock, J. E.

***Atropa belladonna*, L.**

J. pharm. Alsace-Lorraine, 51 (1924), 193;
through *Chem. Abstr.*, 19 (1925), 2259

Kugelmann, B.

Tryptic action of pancreas preparations

Klin. Wochschr., 4 (1925), 827; through
Chem. Abstr., 19 (1925), 2241

Volmar, J., and Reeb, E.

***Polypodium vulgare*, L.**

J. pharm. Alsace-Lorraine, 51 (1924), 190;
through *Chem. Abstr.*, 19 (1925), 2259

ALKALOIDS AND GLUCOSIDES.

Cumming, W. M., and Brown, D. G.

Identification of alkaloids

Chem. & Drug., 103 (1925), 177

Dott, D. B.

Note on morphine hydrate

Chem. & Drug., 103 (1925), 181

Fabre, R.

A new method of extraction for organically combined alkaloids and other organic compounds

Compt. rend. de l'acad. des sci., 180 (1925),
966; through *Schweiz. Apoth.-Ztg.*, 29
(1925), 413

Maplethorpe, C. W., and Evers, N.

Picrates of opium alkaloids

Chem. & Drug., 103 (1925), 176

Matsunami, S.

Sterilization of *Tropacocaine hydrochloride*

J. Pharm. Soc. Japan, 520 (1925), 6

Régnier, J.

Spontaneous hydrolysis of cocaine base in aqueous solution at room temperature

Bull. sci. pharmacol. 32 (1925), 405

OILS, FATS AND WAXES.

Finnemore, H.

West Australian sandalwood oil

Chem. & Drug., 103 (1925), 178

Normann, W.

Determination of water in fats and other materials

Z. angew. Chem., 38 (1925), 380; through

Chem. Abstr., 19 (1925), 2277

Rakuzin, M. A., and Starobina, A.

Fat content of important *Umbelliferae*

Landw. Vers. Sta., 103 (1924), 103; through
Chem. Abstr., 19 (1925), 2278

ESSENTIAL OILS.

Gellot, P.

Characteristics of some oils of *Euphorbiaceae*

Rev. Scientif. No. 10 (1925), 315; through
J. pharm. Belg., 7 (1925), 500

Parry, E. J.

Examination of some lemon oils

Perf. & Ess. Oil Rec., 16 (1925), 219

Pritzker, J., and Rob.

New method for estimation of spirits of turpentine

Chem. & Ind., 1925; through *Schweiz. Apoth.-Ztg.*, 27 (1925), 384

Schimmel & Co.

Oil of Anise

Berichte (1925), 4; through *J. pharm. Belg.*,
7 (1925), 501

Schimmel & Co.

Oil of Rose

Berichte (1925), 67; through *J. pharm. Belg.*,
7 (1925), 501

Schimmel & Co.

Oil of Rosemary

Berichte (1925), 68; through *J. pharm. Belg.*,
7 (1925), 501

MISCELLANEOUS PLANT
CONSTITUENTS.

Gordonoff, T.

Chlorophyll

Klin. Wochschr., 4 (1925), 409; through
Chem. Abstr., 19 (1925), 2241

GENERAL AND PHYSICAL
CHEMISTRY.

Storage of biologics

Am. Druggist, 73 (1925), 49

Aoyama, S.

Volumetric estimation of ortho-, pyro-, and meta-phosphoric acids in mixture

J. Pharm. Soc. Japan, 520 (1925), 7

Bentley, A. O.

Cochineal. Utility of assay methods in the estimation of comparative color values
Chem. & Drug., 103 (1925), 175

Cox, H. E.

New method for estimation of small amounts of arsenic, and the presence of arsenic in urine and fish

Anal., L, 586 (1925), 3; through *Schweiz. Apoth.-Ztg.*, 27 (1925), 385

Delaville, M., and Jones, C.

Estimation of uric acid in blood plasma

C. R. Soc. Biol., Feb. 27, 1925, p. 522; through *Bull. sci. pharmacol.*, 32 (1925), 439

François, M., and Leguin, L.

Preparation and analysis of an amorphous iodobismuthate of quinine

J. pharm. et chim., 2 (1925), 59

Howard, B. F., and Chick, O.

Notes on the quinine sulphate monograph of the B. P. Codex, 1923

Chem. & Drug., 103 (1925), 172

Howard, B. F., and Chick, O.

Tests for solubility of quinine sulphate in dilute sulphuric, nitric and phosphoric acids
Chem. & Drug., 103 (1925), 188

Hubert, G.

Microscopic examination of urinary sediments
Bull. sci. pharmacol., 32 (1925), 412

Hunter, A., and Dauphinee, J. A.

Method of estimation of urea and its application to the estimation of arginase

J. Physiol., 59 (1924); through *Bull. sci. pharmacol.*, 32 (1925), 437

Jones, A. J.

Colorimetric estimation of benzoic acid in cordials, etc.

Chem. & Drug., 103 (1925), 181

Kopapczewsky, W., and deCastro, G.

Surface tension of medicinals. VIII

Arch. int. Pharm. et Therap., 29 (1924), 69; through *Bull. sci. pharmacol.*, 32 (1925), 382

Matsunami, S.

Chemical change of pure ether preserved for a long time

J. Pharm. Soc. Japan, 520 (1925), 5

Nicloux, M., and Fontes, G.

Preparation and estimation of methemoglobin
C. R. Ac. Sc., 178 (1924), 1757; through *Bull. sci. pharmacol.*, 31 (1925), 493

Rost, E.

Action of atropine and digitalis on the frog heart at different temperatures
Arch. f. exp. Path. u. Pharm., 97 (1923), 386; through *Bull. sci. pharmacol.*, 31 (1925), 496

Vladesgo

Estimation of chlorides in organic liquid

C. R. Soc. Biol., (1925), 546; through *Bull. sci. pharmacol.*, 32 (1925), 438

Wokes, F.

Estimation of small amounts of reducing sugars in urine

Chem. & Drug., 103 (1925), 172

INORGANIC CHEMICALS.

Jones, A. J.

Bismuth carbonate: factors influencing its physical condition

Chem. & Drug., 103 (1925), 179

ORGANIC CHEMICALS.

New process for manufacture of vanillin

Ber. deutsch. chem. Gesellsch., 56 (1923), 982; through *Perf. & Ess. Oil Rec.*, 16 (1925), 225

Asahina, Y., and Ishidate, M.

Action of organomagnesium compounds on cyanhydrine. II. *J. Pharm. Soc. Japan*, 521 (1925), 624

Chibnal, A. C.

Spinacine, a new protein from leaves of spinach, *Spinacia oleracea*

J. Biol. Chem., 61 (1924), 303; through *Bull. sci. pharmacol.*, 32 (1925), 369

Kafuku, K.

Formation of safroegenol and isosafroegenol from safrol and isosafrol

J. Pharm. Soc. Japan, 521 (1925), 609

Kawada, K.

Preparation of benzaldehyde through electrolytic oxidation of toluol

J. Pharm. Soc. Japan, 62 (1925), 628

Keimatsu, S., and Kakinuma, S.

Some new derivatives of phenylarsinic acid
J. Pharm. Soc. Japan, No. 520 (1925), 2

Kylin, E.

Action of potassium ion on adrenaline reaction
Klin. Wochschr., 4 (1925), 969; through *Chem. Abstr.*, 19 (1925), 2241

Schreus, H. T., and Wieler, J.

Dialysis and diffusion of arsphenamine solutions and mixtures of arsphenamine and serum

Klin. Wochschr., 4 (1925), 977; through *Chem. Abstr.*, 19 (1925), 2241

Volmer, J.

Alkaline bismutho-tartrates

J. pharm. Alsace-Lorraine, 51 (1924), 86; through *Chem. Abstr.*, 19 (1925), 2259

Ware, A. H.

Chemical identification of drugs containing tannins

Chem. & Drug., 103 (1925), 174

CLINICAL AND DIAGNOSTIC
METHODS.

Mellet, R.

**Volumetric estimation of calcium in presence
of phosphoric acid, magnesium, iron and
aluminum***Schweiz. Apoth.-Ztg.*, 27 (1925), 377

Weil, M. P., Levy-Darras, Guillaumin, C. O.

Practical method of urinary acidimetry*Bull. acad. méd.*, Apr., 1924; through *Bull.
sci. pharmacol.*, 32 (1925), 377

FURTHER STUDIES IN THE EXTRACTION OF NUX VOMICA.*

BY J. A. PIERCE.

In a previous paper¹ the writer gave the results of an investigation of the value of acetic acid in the extraction of Nux Vomica. In that article it was concluded that the admixture of 1% U. S. P. acetic acid with U. S. P. IX menstruum (3 vols. alcohol: 1 vol. water, or about 72.9% alcohol by volume) was of no value in regarding the extraction of fat, but that it reduced the amount of menstruum necessary to achieve complete exhaustion. To be more explicit, it was found that to extract 500 Gm. of ground Nux Vomica with U. S. P. IX menstruum, 7054 cc. was required, while with the U. S. P. IX menstruum containing 1% acetic acid U. S. P., only 3857 cc. was needed. Extraction of fat was reduced only from 2.93% to 2.22%.

In the present work methods and conditions employed in the previous work were duplicated. Two parallel percolations were made, using 500 Gm. of ground Nux Vomica for each. The menstruums were made the same as before except that one contained 2% and the other 3% acetic acid U. S. P.

The fat extracted was as follows:

U. S. P. IX menstruum plus 2% acetic acid, 2.80%.

U. S. P. IX menstruum plus 3% acetic acid, 2.98%.

There was required for complete exhaustion:

U. S. P. IX menstruum plus 2% acetic acid, 3650 cc.

U. S. P. IX menstruum plus 3% acetic acid, 3290 cc.

The percolates were assayed for total alkaloids with results as follows:

U. S. P. IX menstruum plus 2% acetic acid, 0.311 Gm. per 100 cc.

U. S. P. IX menstruum plus 3% acetic acid, 0.332 Gm. per 100 cc.

Conclusions: There is no significant advantage to be gained in using more than 1% U. S. P. acetic acid with the U. S. P. IX menstruum. The 1% acetic acid menstruum has advantages over the U. S. P. menstruum now official, consisting in the reduction of the amount of alcohol needed and the time required for percolation.

LABORATORIES OF
E. R. SQUIBB & SONS,
BROOKLYN, N. Y.

* Section on Practical Pharmacy and Dispensing, A. PH. A., Des Moines meeting, 1925.

¹ JOUR. A. PH. A., 13, 1128 (1924).