

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

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

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APPARATUS AND MANIPULATION.

- Muhlman, Geo. W.
An individual laboratory hood
Ind. & Eng. Chem., 17 (1925), 316
- Schmalfuss, H., and Werner, H.
Apparatus for the extraction of solids with boiling liquids
J. prakt. Chem., 108 (1924), 355; through *Chem. & Ind.*, 44 (1925), B115
- Scarpa, O.
Measurement of the density of porous or pulverulent substances
Annali Chim. Appl., 14 (1924), 360; through *Chem. & Ind.*, 44 (1925), B153

PHARMACOPŒIAS AND FORMULARIES.

- Van Itallie, L., and Meulenhoff, J. S.
New remedies admitted to the Netherlands Pharmacopœia
Pharm. Weekbl., 62 (1925), 223-224
- Van Itallie, L., and Meulenhoff, J. S.
Assay methods of the Netherlands Pharmacopœia
Pharm. Weekbl., 62 (1925), 214-223
- Vaudin, *et al.*
Requirements of the French Codex for absorbent cotton
J. pharm. et chim., 1 (1925), 171-172

PHARMACEUTICAL PREPARATIONS.

- Astruc, A., Canals, E., and Gidon, M.
New researches on the preparation of mercurial ointment
J. pharm. et chim., 1 (1925), 154-161
- Boa, Peter
Note on Compound Liquorice Mixture, B. P. C.
Chem. & Drug., 102 (1925), 314
- Gnadinger, C. B.
Identification of sources of vanilla extracts
Ind. & Eng. Chem., 17 (1925), 303
- Hendry, J., and Berry, P. A.
Lysol
Pharm. Conf. Austral. Assoc. Adv. Sci. (Aug. 1924), 7 pp.; through *Chem. Abstr.*, 19 (1925), 701

- Kroeber, Ludwig
Properties of fluid extracts of plants indigenous to Germany
Pharm. Ztg., 69 (1924), 1242-1243
- Rupp, E.
Determination of mercury in mercurial ointment
Apoth.-Ztg. (1924), 570; through *Pharm. Weekbl.*, 62 (1925), 227
- Scheringa, K.
Determination of quinine in quinine pills
Pharm. Weekbl., 62 (1925), 174-175
- Scoville, Wilbur L.
Solution of magnesium citrate
Am. J. Pharm., 97 (1925), 80-83
- Van Itallie, L., and Meulenhoff, J. S.
Liquor Digitalis of the Netherlands Pharmacopœia V.
Pharm. Weekbl., 62 (1925), 176-179
- Wilson, Thomas
Note on solutions of cocaine hydrochloride and phenol
Chem. & Drug., 102 (1925), 313

PHARMACOLOGY AND THERAPEUTICS.

- Regnier, Jean
Influence of the hydrogen-ion concentration of cocaine hydrochloride solutions on anesthesia of the cornea
Bull. sci. pharmacol., 31 (1924), 513
- Sabalitschka, Th.
Chemical constitution and antiseptic power
Chem.-Ztg., 48 (1924), 703; through *Perf. & Ess. Oil Rec.*, 16 (1925), 74
- Sluyters, A.
Pharmacological studies of the digitalis preparations of the Netherlands Pharmacopœia
Arch. Pharm., 263 (1925), 52-66
- Stüdemann, Heinrich
Quantitative evaluation of local anesthetics by their action on the cornea
Arch. Ophthalmol., 115 (1924), 129-143; through *Chem. Abstr.*, 19 (1925), 704

Voegtlin, C., Dunn, E. R., and Thompson, J. W.

Biological standardization of insulin

U. S. Publ. Health Rep., 39 (1924), 1935; through *Chem. & Ind.*, 44 (1925), B113

VEGETABLE AND ANIMAL DRUGS.

Anon

Sudan gum acacia

Chem. & Drug., 102 (1925), 343

Elliot, George

Note on an impurity in tragacanth

Chem. & Drug., 102 (1925), 314

Peyer, W.

Tragacanth and its differentiation from acacia

Pharm. Ztg., 69 (1924), 1198-1200

Peyer, W.

Coto bark and its differentiation from paracoto

Pharm. Ztg., 69 (1924), 1154-1156

Renshaw, Arnold

Insulin

Chem. & Ind., 44 (1925), 95T

Scott, D. A., and Best, C. H.

Preparation of insulin

Ind. & Eng. Chem., 17 (1925), 238

ALKALOIDS AND GLUCOSIDES.

Christiansen, Walter G., and Norton, Arthur J.

Antimonyl tartrates of some organic bases

J. Am. Chem. Soc., 47 (1925), 876

Cumming, William M., and Brown, Derek G.

The hydroferrocyanides and hydroferricyanides of the alkaloids

Chem. & Ind., 44 (1925), 110T

Hérissey, H.

Presence of a glucoside hydrolysable by emulsin in *Baillonia spicata* H. Bn.

J. pharm. et chim., 1 (1925), 208

Kolthoff, I. M.

Assay of opiates

Pharm. Weekbl., 62 (1925), 191-192

Rasmussen H. B., and Schou, S. A.

Titration of alkaloids

Pharm. Zentralh., 65 (1924), 729; through

Chem. & Ind., 44 (1925), B146

Stenzl, H.

Alkaloids in *Lobelia inflata*

Pharm. Zentralh., 65 (1924), 730; through

Chem. & Ind., 44 (1925), B146

Thoms, H., and Bergerhoff, Karl

Researches on the constitution of lupanine

Arch. Pharm., 263 (1925), 1-12

Wattiez, N.

Presence of methyl glucoside β in the leaves of *Scabiosa succisa* L.

J. pharm. Belg., 7 (1925), 81-85

OILS, FATS AND WAXES.

Amberger, K., and Bauch, J.

Glycerides of cacao butter

Ztschr. Unters. Nahr.-u. Genussm., 48 (1924), 371; through *Chem. & Ind.*, 44 (1925), B105

Armstrong, E. F., and Hildich, T. P.

Position of the ethylenic linkage in acids of the oleic series

Chem. & Ind., 44 (1925), T47

Fierz-David, H. E.

Rancidity of fats

Ztschr. angew. Chem., 38 (1925), 6; through *Chem. & Ind.*, 44 (1925), B105

Holmes, Arthur D., and Pigott, Madeleine G.

Vitamine potency of dogfish liver oil

Ind. & Eng. Chem., 17 (1925), 310

Lifschütz, J.

Stability of wool fat toward air

Pharm. Ztg., 70 (1925), 155

Muir, E.

Preparations of hydnocarpus esters and their use in leprosy

Indian J. Med. Res., 12 (1924), 221; through

Chem. Abstr., 19 (1925), 872

Zernick, Franz

Vitamine content of cod liver oil emulsions

Pharm. Ztg., 70 (1925), 156

Winkler, L. W.

Iodine-bromine value of fats. II

Pharm. Zentralh., 66 (1925), 17-20; through

Chem. & Ind., 44 (1925), B138

ESSENTIAL OILS.

Cash, L. S., and Fawsitt, C. E.

Estimation of cineol in essential oils by the o-cresol method

Perf. & Ess. Oil Rec., 16 (1925), 58

Etablissements A. Chiris

Oil of *Osimum canum*, Sims

Parfums de France (Oct. 1924), 290-2; through *Chem. Abstr.*, 19 (1925), 703

Etablissements A. Chiris

Italian lavender oil

Parfums de France (Dec. 1924), 353; through *Chem. Abstr.*, 19 (1925), 873

Francesconi, L., and Scarafia, P.

***Santolina chamaecyparissus* oil**

Riv. Ital. essenze e profumi, 6 (1924), 76; through *Chem. & Ind.*, 44 (1925), B148

Grignard, V., and Savard, J.

Enolic form of pulegone

Perf. & Ess. Oil Rec., 16 (1925), 49

Kemp, Martha

Pimenta leaf oil

Arch. Pharm., 263 (1925), 12-16

Penfold, A. R.

Melaleuca oils

Perf. & Ess. Oil Rec., 16 (1925), 55

Romeo, G.

Oil of bergamot residues

Riv. Ital. essenze e profumi, 6 (1924), 1; through

Chem. & Ind., 44 (1925), B148

MISCELLANEOUS PLANT
CONSTITUENTS.

Feist, K., and Bestehorn, H.

Methods for the extraction and purification of oak tannin

Arch. Pharm., 263 (1925), 16-31

Maniwa, H.

Phyllodulcin from the leaves of *Hydrangea thunbergii*, Sieb.

J. Pharm. Soc. Japan (May, 1924).

Wasicky, R., and Heinz, B.

Purgative constituents of rhubarb

Pharm. Monatsh., 5 (1924), 249-251; through

Chem. Abstr., 19 (1925), 702.

GENERAL AND PHYSICAL
CHEMISTRY.

Gant, T. H.

Production and uses of cobalt

Chem. & Ind., 44 (1925), 157

Kaufman, H. P., and Hansen-Schmidt, E.

Bromometric studies

Arch. Pharm., 263 (1925), 32-50

Kolthoff, I. M.

Condition of methyl orange in its transition interval

Rec. trav. chim., 44 (1925), 68; through *Chem.*

& Ind., 44 (1925), B153

Kolthoff, I. M.

Condition of methyl red in its transition period

Rec. trav. chim., 44 (1925), 75; through *Chem.*

& Ind., 44 (1925), B153

Mayrhofer, Adolf

Physical constants as applied to the micro-chemical examination of medicaments

Pharm. Monatsh., 5 (1924), 231-5; through

Chem. Abstr., 19 (1925), 701

Scheringa, K.

Sensitive reaction for copper and bromine

Pharm. Weekbl., 62 (1925), 173-174

Scheringa, K.

Power of attraction of various salts for water

Pharm. Weekbl., 62 (1925), 185-190

INORGANIC CHEMICALS.

Figg, E. F.

Volumetric determination of P_2O_5 in red lead

Chem. & Ind., 44 (1925), T68

Flisik, H.

Volumetric methods for analyzing sodium fluoride

Ind. & Eng. Chem., 17 (1925), 307

Lenher, Victor, and Kao, C. H.

Preparation of selenium monochloride and monobromide

J. Am. Chem. Soc., 47 (1925), 772

Mayr, C.

Determination of metallic lead in litharge

Ztschr. anal. Chem., 65 (1924), 254; through

Chem. & Ind., 44 (1925), B130

ORGANIC CHEMICALS.

Child, W. C., and Adkins, Homer

Condensation of aldehydes to esters by alkoxides

J. Am. Chem. Soc., 47 (1925), 798

François, Maurice, and Lormand, Charles

Gravimetric determination of tartaric acid in Codex preparations as calcium tartrate

Ann. fals., 17 (1924), 468-73; through *Chem.*

Abstr., 19 (1925), 703

Garard, Ira D., and Duckers, Grace E.

Preparations and properties of some protected silver sols

J. Am. Chem. Soc., 47 (1925), 692

Guest, Herbert H.

Method for the preparation of primary acetylenic alcohols

J. Am. Chem. Soc., 47 (1925), 860

Harvey, Ellery H.

Electro-dialysis of agar

Am. J. Pharm., 97 (1925), 66

Kolthoff, I. M., and Tomicek, O.

Condition of the silver in protargol and collargol

Rec. trav. chim., 44 (1925), 103-112; through

Chem. & Ind., 44 (1925), B148

Maimeri, C.

Preparation of ethyl alcohol and ethyl sulphate from ethylene

Giorn. Chim. Ind. Appl., 6 (1924), 533; through

Chem. & Ind., 44 (1925), B114

Maniwa, H.

Condensation of guaiacol with substituted benzoic acids

J. Pharm. Soc. Japan, No. 515 (1925), 39

May, Percy

Manufacture of coumarin

Perf. & Ess. Oil Rec., 16 (1925), 45

Murray, H. D.

Color test for aniline and toluidine

Chem. News, 130 (1925), 23; through *Chem. & Ind.*, 44 (1925), B92

Ogden, Katherine and Adams, Roger

Arsonophenyl-cinchonic acid and derivatives

J. Am. Chem. Soc., 47 (1925), 826

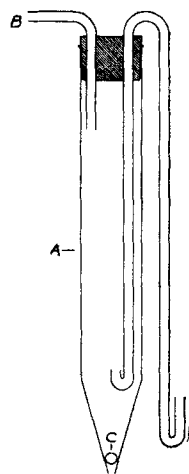
- Parri, W.
Differentiation of citric from tartaric acid
Giorn. Chim. Ind. Appl., 6 (1924), 537; through
Chem. & Ind., 44 (1925), B114
- Rembeck, O.
Aniline salts of the oxalic acid series
J. pharm. et chim., 1 (1925), 150-154
- Samdahl, B.
Condensation of menthone with paratoluic aldehyde
J. pharm. et chim., 1 (1925), 145-149
- Schlee, H., and Thiessenhusen, W.
Physical-chemical studies of medicinal silver preparations
Ztschr. angew. Chem., 37 (1924), 837-845; through
Chem. Abstr., 19 (1925), 872
- Schlee, H., and Thiessenhusen, W.
Silver-ion concentration in solutions of colloidal and complex silver preparations with special reference to their medicinal use
Biochem. Ztschr., 151 (1924), 27; through
Chem. & Ind., 44 (1925), B148
- Schorn, Edwin J.
Color test for cineol
Chem. & Drug., 102 (1925), 313
- Serantes, M. T.
Reaction for the detection of isopral
Anales asoc. quim. Argentina, 12 (1924), 199; through
Chem. Abstr., 19 (1925), 704
- Wischo, F.
Examination of ether for anesthetic use
Pharm. Monatsh., 4 (1924), 195; through
Chem. Abstr., 19 (1925), 870

AN AUTOMATIC "NONBREAKING" SYPHON.

BY E. O. EATON.*

An apparatus in a single unit is needed which will start a syphon without the use of mechanical suction and which will not "break" as the level of the short arm is reached. Such an apparatus would prove particularly useful in syphoning acids, alkalis, and other corrosive and poisonous liquids from bottles, carboys, etc., and also in obtaining a certain maximum volume while maintaining a constant level, as is necessary in certain types of percolations, filtrations, etc. The accompanying drawing shows such an apparatus.

The process is started by immersing the short jacket "A" to about one-third of its depth in the liquid to be syphoned. By gentle suction at "B" the jacket is partially filled. Pressure at "B" then closes the outlet with the glass bead "C" and forces the liquid through the syphon, thereby filling it. The syphon is kept from "breaking" by the turned-up ends of the syphon arms.



THE PREPARATION OF HERBARIUM MATERIAL AND ITS RELATION TO PHARMACY.**

BY CHARLES E. SMYTHE.¹

As over 70 per cent of our medicinal agents are of vegetable origin, it can readily be understood that botany should play an important part in the study of pharmacy. The preparation of herbarium material by students is an essential part

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¹ College of Pharmacy, University of Minnesota.