

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.

Beringer, G. M.

Who invented the narrow percolator?

Am. J. Pharm., 92 (Nov. 1920), 796

Couch, J. F.

Theory of percolator

Am. J. Pharm., 92 (Nov. 1920), 770

Pinoff, E.

Safety valve for aspirating pump

Chem. Ztg.; through *Pharm. Weekbl.*, 57
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Emulsion of benzyl benzoate

Am. J. Pharm., 92 (Nov. 1920), 800

Clark, A. H.

Ointment of zinc oxide

J. AM. PHARM. ASSOC., 9 (Dec. 1920), 1171

Kidd, H. C.

Infusion of parsley for gall stones

Brit. Med. J.; through *Am. J. Pharm.*, 92
(Nov. 1920), 836

Lyons, A. B.

Testing for spirit of camphor

J. AM. PHARM. ASSOC., 9 (Dec. 1920), 1163

GENERAL BOTANY AND BACTERIOLOGY.

Alilaire, E., and Fernbach, E.

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L'Union pharm.; through *Pharm. J.*, 105
(Nov. 27, 1920), 476

Schneider, A.

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J. AM. PHARM. ASSOC., 9 (Dec. 1920), 1140

Van Zijp, C.

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Pharm. Weekbl., 57 (Oct. 30, 1920), 1345

THERAPEUTICS AND NEW REMEDIES.

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J. Am. Med. Assoc.; through *Pharm. J.*,
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VEGETABLE AND ANIMAL MATERIA MEDICA.

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Pharm. Era, 53 (Dec. 1920), 362

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53 (Dec. 1920), 365

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Pharm. J., 105 (Nov. 27, 1920), 470

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The glucoside of mellilot and asperula hydro-
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J. pharm. chim., 22 (Oct. 16, 1920), 289

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- Greenish, H. G.
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- Hamilton, H. C.
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- Herzveld, H.
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Pharm. Era, 58 (Dec. 1920) 353
- Holmes, E. M.
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- Kremers, E.
Investigation of the Monardas
J. AM. PHARM. ASSOC., 9 (Dec. 1920), 1175
- Leclère, H.
Cupressus sempervirens in hemorrhoids
J. pharm. chim., 22 (Nov. 1, 1920), 364
- Macmillan, A. M., and Tingle, A.
Effect of heating and extraction on opium
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J. pharm. chim., 22 (Nov. 1, 1920), 361

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Preparation of saturated solutions
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A new benzyl test

J. pharm. chim., 22 (Nov. 1, 1920), 321

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Brit. Med. J.; through *Chem. & Drug.*, 93 (Nov. 27, 1920), 1629

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Administration of benzyl benzoate

Minn. Med.; through *Am. J. Pharm.*, 92 (Nov. 1920), 834

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Ramie fiber as surgical dressing

Pharm. Era, 53 (Dec. 1920), 365

Irvine, J. C., and Steele, E. S.

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Eucalyptol assay of volatile oils

J. prakt. Chem.; through *J. Soc. Chem. Ind.*, 39 (Nov. 30, 1920), 763A

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Conductometric titration of alkaloids

Z. anorg. Chem.; through *J. Soc. Chem. Ind.*, 39 (Nov. 15, 1920), 733A

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Test for soy bean oil

J. Ind. Eng. Chem., 12 (Dec. 1920), 1174

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Pitt, C. H.

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Am. J. Pharm., 92 (Nov. 1920), 801

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Cruikshank

Value of the colloidal gold test

Brit. J. Exp. Path.; through *Am. J. Pharm.*,
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Pharm. Weekbl., 57 (Nov. 30, 1920), 1452

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J. AM. PHARM. ASSOC., 9 (Dec. 1920), 1178

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Am. J. Pharm., 92 (Nov. 1920), 803

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(Dec. 1920), 454

COMMITTEE REPORTS

INTERESTING HIGH SCHOOL STUDENTS IN THE PRACTICE OF PHARMACY.

BY CLYDE L. EDDY.

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ceutical Association.

Beginning in July 1923, the forty-five colleges of pharmacy now holding membership in the American Conference of Pharmaceutical Faculties will admit only high school graduates to their courses and, after 1925, a minimum course of three years of collegiate study will be required for graduation. Also, beginning in July 1923, the National Association of Boards of Pharmacy, including practically every pharmacy board in the United States, will put into effect a uniform requirement admitting only high school graduates to their examinations. Fifteen States now require both high school and college graduation and others will have similar requirements within a few years.

And this is but the beginning. Pharmacy is rapidly taking its place among the professions and it is conceivable that the pharmacist of but a few years hence will be on the same professional footing as his medical confrere. Conditions within the profession are becoming more and more attractive to men who have had long periods of collegiate and technical training. There are opportunities for the pharmacy student now which did not exist five or ten years ago. The present need is for more well-equipped young men and young women to take advantage of the opportunities that are offered. We need more "raw material" and, since that "raw material" must come from the high schools, we are confronted with the problem of interesting high school students in the practice of pharmacy.

Quick to see that the enforcement of prerequisite requirements might result in a shortage of apprentices in the profession and eager to prepare against such a contingency, the American Conference of Pharmaceutical Faculties is now seeking ways and means of best placing before