

THE PHARMACEUTICAL JOURNALS OF THE UNITED STATES.

A PRELIMINARY REPORT BY MINNIE MEYER.

WITH PREFATORY REMARKS AND AN APPEAL FOR COÖPERATION BY EDWARD KREMERS.

As Miss Meyer points out in the introduction to her thesis¹ this is the fourth attempt at a history of pharmaceutical journalism in the United States. The thesis comprises 179 pages of records, tables and maps. Part I consists of a chronological list of journals that have been published at one time or another, some of which are still being published. Part II is a geographical list, and Part III an alphabetical list of journals. The latter also contains brief accounts of each journal. Part IV consists of tables giving the dates of admission of the several states to the Union, the population of each state according to the 1930 census, the dates of the first drug publication in each state, the total number of journals published at any time in its history and, finally, the number of journals published at present. The tables are supplemented by maps.

Though a fourth attempt, the manuscript makes no attempt at completeness. In order to make the record as complete as possible, the geographical list is herewith published in order that reprints thereof may be sent to representatives of each state for corrections and additions. This seems to be the only practical way, if not the only way, to get at the necessary information. The additional information thus acquired can then be transferred to the other chapters which can thus be made as complete as practicable.

An account of the history of pharmaceutical journalism in all of its phases certainly ought to be worth while and it is hoped that this effort will be supported by those who have knowledge not yet recorded. It may be worth while to state that the thesis as outlined above does not represent all of the information compiled. Thus there is already available an imperfect list covering the periods of issue, *viz.*, weekly, monthly, quarterly, etc. Another list reveals proprietaryship: independent publications, house organs, journals published by pharmaceutical organizations, and those published by educational institutions.

As already pointed out material is also being collected as to the history of each journal. This, naturally, involves a record of the editors as well as an account of the type of journalism pursued by them.

In closing these introductory remarks let me appeal once more to the coöperation of each and every one who reads these lines. If he will but take his own state and send in any supplementary information he or she possesses, the task of each individual will be small, but in the aggregate the results ought to prove worth while.

California (12).

Pacific Record of Medicine and Pharmacy, 1886-1886—*Pacific Record of Medicine and Surgery*, 1887-1889.
Pacific Druggist, 1890-1894—*Pacific Druggist and Physician*, 1894-1895.
California Druggist, 1891—.
San Francisco and Pacific Druggist, 1895—.

The Stirring Rod, 1906-1928, consolidated with
California Retail Drug Journal—West Coast Druggist, 1928—.
Pacific Pharmacist, 1907-1919.
Western Drug Review, 1909—.
Southwest Druggist, 1909—.
Pharmacraft, 1910-1915.
Drug Clerk's Journal, 1910-1920—*American*

¹ Submitted for the degree of B.S. (Pharmacy Course), University of Wisconsin, 1932.

Registered Pharmacist's Journal, 1920-1930,
American Pharmacist, 1930—
California Retail Drug Journal, 1915-1928,
consolidated with *The Stirring Rod—West
Coast Druggist*, 1928—
Blue and Gold Apothecary, 1932—.

Colorado (1).

Rocky Mountain Druggist, 1888—.

Connecticut (4).

The Prescription, 1891-1897, continuation of
Therapeutic Analyst, merged into *New
England Medical Monthly* and *The Prescrip-
tion*.

The Drug Reporter, 1895-1895.

Ideas, 1897—.

Apothescope, 1929—.

Florida (1).

Trade Letter, 1927-1929.

Georgia (5).

Southern Drug and Paint Review, 1887-1900.

Southern Druggist, 1901-1908.

Southern Drug Journal, 1902-1906.

Southeastern Drug Journal, 1926—.

Dixie Pharmaceutical Journal, 1926-1928.

Combined with *Southeastern Drug Journal*.

Illinois (33).

American Journal of Materia Medica, 1860-
1861.

The Pharmacist, 1868-1868—*Pharmacist and
Chemical Record*, 1868-1872—*Pharmacist*,
1872-1879—*Pharmacist and Chemist*, 1879-
1884, merged into *Western Druggist*.

*Deutsche-Amerikanische Pharmaceutische Zeit-
ung*, 1875-1875.

Pharmaceutical News, 1878-1879.

The Druggist and Paint and Oil Review, 1879-
1880—*Druggist*, 1880-1884. Combined with
the *Pharmacist and Chemist* and continued as
Western Druggist. (See *Western Druggist*.)

Paint, Oil and Chemical Review, 1883—.

Oil, Paint and Drug Review, 1885—.

Western Druggist, 1885-1928, continuation of
the combined journals, *The Druggist* and *The
Pharmacist and Chemist*. Combined with the
Bulletin of Pharmacy and published as *Drug
Bulletin*, 1928—.

Druggists' Gazette, 1886-1890.

The Druggists' Journal, 1886-1897.

American Drug Clerk's Journal, 1887-1888—
Registered Pharmacist and *American Drug
Clerk's Journal*, 1889-1898.

Peoria Drug Review, 1887-1887.

The Apothecary, 1891-1909.

Druggist's Retrospect, 1891—.

The Graduate, 1893-1895.

Drug Clerk's Journal, 1900—.

Chicago R. D. A. Auxiliary, 1901-1902.

The Organizer, 1902—.

N. A. R. D. Notes, 1902-1913—*N. A. R. D.
Journal*, 1913—.

Chicago R. D. A. Notes, 1908-1909—*Chicago
R. D. A. News*, 1909—.

Monthly Therapeutic Topics, 1912—.

National Drug Clerk, 1913-1921—*Drug Store
Merchandizing*, 1921-1922—*National Drug
Clerk*, 1922—.

American Medical Trade Journal, 1913—.

Standard Remedies, 1915—.

Chicago Drug Club Messenger, 1915—.

San Talks, 1917—.

The Registered Pharmacist, 1919—.

Journal of the Central States College of Pharmacy,
1919-1919—*Central States Journal of Phar-
macy*, 1919—.

Drugdom, 1920—.

*Bulletin of the United Medicine Manufacturers
of America*, 1921—.

Package Medicine Journal, 1923-1925.

Package Remedies, 1925—.

The Illini Pharmacist, 1926—.

Indiana (5).

The Indiana Pharmacist, 1882-1894.

Tile and Till, 1915—.

The Indiana Pharmacist, 1918—.

The Purdue Pharmacist, 1924—.

Purdue News, 1903—.

Iowa (8).

Drug News, 1886—. (Des Moines.)

Drug News, 1902—. (Burlington.)

The Official Register, 1913—.

Armand Broadside, 1920—.

The Bulletin, 1924—.

The Druggists' Mutual, 1924—.

Leo's Non Secret News, 1909-1920.

The Last Word, 1908-1914.

Kansas (3).

Medical Herald, 1867-1870—*Leavenworth Medi-
cal Herald and Journal of Pharmacy* 1870-
1872—*Medical Herald*, 1872-1875.

The Sunflower Druggist's Bulletin, 1916-1927.

Kansas Pharmaceutical Association News Letter,
1927—.

Kentucky (3).

- Drug News*, 1907-1914.
The Kentucky Druggist, 1912—.
Journal of the Kentucky Pharmaceutical Association, 1926—.

Louisiana (3).

- The Southern Pharmacist*, 1884—.
The Modern Druggist, 1912—.
Lyon's Latest Drug News.

Maryland (6).

- Journal and Transactions of the Maryland College of Pharmacy*, 1858-1862.
Drug Market, 1890-1891.
Druggist's Recorder, 1890-1893.
Alumni News Letter, Maryland Coll. of Pharmacy, 1891-1910.
The Pharmaceutical Review, 1892-1893.
The Maryland Pharmacist, 1925—.

Massachusetts (11).

- Boston Journal of Chemistry and Pharmacy*, 1866-1867—*Boston Journal of Chemistry*, 1867-1880—*Boston Journal of Chemistry and Popular Science Review*, 1881-1882—*Popular Science News and Boston Journal of Chemistry*, 1883-1893.
Druggists' Advocate, 1870—.
The Laboratory, 1874-1876—*American Laboratory*, 1877-1877.
New England Druggist, 1888-1903—*Apothecary and New England Druggist*, 1903-1904—*Apothecary*, 1904—.
The Spatula, 1894-1925, merged into *Practical Druggist*.
Boston Drug Market, 1896-1900—*Eastern Drug Market*, 1900-1930.
Journal of the Association of the Alumni of the Massachusetts College of Pharmacy, Nov. 1903-June 1905. Sept. 1909-Aug. 1910.
Rexall Review, 1904-1904—*Rexall Advantages*, 1904—.
Purity: A Magazine and Bulletin of Health, Food, Drugs, 1907-1909.
Bulletin of the Massachusetts College of Pharmacy, 1911—.
Patchwork, 1918—.

Michigan (16).

- Detroit Review of Medicine and Pharmacy*, 1866-1876. United with *Peninsular Journal of Medicine* to form *Detroit Medical Journal*, later *American Lancet*.
Western Medical Advance and Progress in Pharmacy, 1872—.

- New Idea*, 1879—.
Michigan Drug News, -1884—*American Pharmacist*, 1885-1890.
Pharmaceutical Era was published in Michigan from 1887-1894 when place of publication was changed to New York.
The Druggists' Bulletin, 1887-1890—*Bulletin of Pharmacy*, 1891-1928. Combined with *Western Druggist* and continued as *Drug Bulletin*. (See *Drug Bulletin*.)
Retail Druggist, 1893—.
Pharmaceutical Notes, 1894-1904.
The Pharmacologist, 1897-1898.
Trio: Therapy, Pharmacy, Biology, 1901-1908.
Modern Pharmacy, 1904—.
The Michigan Druggist, 1908—.
The Journal of the M. S. P. A. and Detroit Retail Druggists' Association, 1912—.
Market Report, 1917—.
Pharmaceutical Error, 1919—.
American Crude Drug Harvesters' Magazine, 1927-1927.

Minnesota (6).

- The Northwestern Pharmacist*, 1886-1888.
The Drug Store, 1888-1892.
Northwestern Druggist, 1899—.
The Indicator, 1912-1912.
Minnesota Druggist, 1916-1918.
Northwestern Drug News, 1929—.

Mississippi (1).

- The Southern Druggist*, 1870-1870.

Missouri (12).

- St. Louis Drug Market Reporter*, 1880-1887—*The Druggist*, 1888-1889—*Meyer Brothers' Druggist*, 1889-1920—*Meyer Druggist*, 1920—.
Drug World, 1881-1883, merged into *Medical Brief*.
St. Louis Druggist, 1882-1887—*National Druggist*, 1888—.
The Western Drug Record, 1884-1925.
St. Louis Drug Intelligence, 1886-1887.
Notes on New Pharmaceutical Products, 1889-1896.
Big Four: Medicine, Pharmacy, Toxicology, Therapy, 1897-1900.
McPike's Bimonthly, 1905-1925.
The Disseminator, 1908-1918.
St. Louis Retail Druggists' Association Monthly Bulletin, 1911—.
The Missouri Druggist, 1917—.
Midwestern Druggist, 1925—.

Nebraska (3).

Omaha Drug and Oil Gazette, 1885-1886.
Western Druggist and Oil Gazette, 1885-1888.
The Omaha Druggist, 1887-1927.

New Jersey (11).

New Jersey Pharmaceutical Record, 1875-1875.
Physicians' Drug News, 1906-1916.
Red Cross Messenger, 1908-1930.
Pharmbote, 1909-1915.
Journal of the College of Pharmacy of Jersey City, 1912——.
Bulletin of the University of the State of New Jersey, 1913-1914—*Bulletin of the College of Jersey City*, 1915——.
Associated Drug News, 1926——.
Consolidated Drug News, 1926——.
⚡ Ray, 1926——.
New Jersey Journal of Pharmacy, 1928——.
New Jersey Drug News, 1931——.

New York (53).

New York Register of Medicine and Pharmacy, 1850-1851.
New York Journal of Pharmacy, 1852-1854.
 Forerunner of *Alumni Journal*, see 1894.
American Druggists' Circular and Chemical Gazette, 1857-1866—*Druggists' Circular and Chemical Gazette*, 1867-1906—*Druggists' Circular*, 1907——.
Physician and Pharmacist, 1868-1871—*Physician and Pharmacist*, 1871-1879; *Physician and Pharmacist* and the *Bulletin of the Medico-legal Society*, 1879-1879; *Physician and Bulletin of Medico-legal Society*.
Oil, Paint and Drug Reporter, 1871——.
New Remedies, 1871-1874—*American Druggist*, 1884-1893—*American Druggist and Pharmaceutical Record*, 1893-1923—*American Druggist* 1923——.
Humphrey's Paint and Oil Trade and Wholesale Druggist, 1872-1874.
The Druggist, 1873-1875.
Druggist's Advertiser and Trade Journal, 1876-1879.
Oil and Drug News, 1878-1882—*Weekly Drug News and Prices Current*, 1882-1883—*Weekly Drug News and American Pharmacist*, 1883-1885, merged into *Oil, Paint and Drug Reporter*, see 1871.
Formulary and Druggist Magazine, Quarterly, 1879-1896.
Drug News, 1880-1882.
Oil, Paint and Drug Review, 1880-1883.
Deutsch-Amerikanische Apotheke Zeitung, 1880-1918—*Apotheke Zeitung*, 1918——.

Martin's Chemists' and Druggists' Bulletin and Medical Advocate, 1881-1882—*Pharmaceutical Record*, 1883-1893, united with *American Druggist*—*American Druggist and Pharmaceutical Record*, 1893-1923.

An Ephemeris of Materia Medica, Pharmacy, Therapeutics and Collateral Information, Squibbs, 1882-1904.

The American Pharmacist, 1882-1883, consolidated with *Weekly Drug News—Prices Current*.

Monitor Medico Farmaceutico, 1883-1883.

The Independent Record, 1883-1885.

The Independent Oil and Drug Journal, 1883-1884—*Independent Journal*, 1884-1887.

Pharmaceutische Rundschau, 1883-1895—*Pharmaceutical Review*, 1895-1909.

The Formulary, Monthly, 1883-1893.

The Pharmaceutical Era, 1887-1932. Published in Michigan from 1887-1894.

Notes on New Remedies, 1888-1911.

Drug Topics, 1889——.

Merck's Monthly Report, 1892-1892—*Merck's Market Report*, 1892-1893—*Merck's Market Report and Pharmaceutical Journal*, 1893-1895—*Merck's Report*, 1896——.

Gaceta Medico-Farmacéuticos de Nueva York, 1892-1898.

The Alumni Journal, 1894-1896, continuation of *Annual Report of the Alumni Association of the College of Pharmacy of the City of New York*—*Journal of Pharmacology*, 1897-1904—*Alumni Journal*, 1905-1914—*New York Journal of Pharmacy*, 1914-1915—*C. U. C. P. Alumni Journal*, 1916-1917—*Messenger*, 1924-1931—*New York Journal of Pharmacy*, 1931——.

Monatsblatt des New Yorker Deutschen Apotheker Vereins, 1894-1895.

Monatsblatt, 1895-1897.

The Buffalo Druggist, 1895-1897—as *Northern Druggist*, 1897——.

Revista Americana de Farmacia, Medicina of Hospitals, 1895-1921.

Mortar and Pestle, 1895-1896.

Practical Druggist and Pharmaceutical Review, 1897——.

Medico-Pharmaceutical Critic and Guide, 1898-1915—*Critic and Guide*, 1915——.

New York County Medico-Pharmaceutical League Journal, 1899-1901.

The Voice of the Retail Druggist, 1906—*Voice Salesman*.

The Percolator, 1909——.

National Pharmacist, 1912——.

Pharmaceutical Advance, 1914——.

Weekly Drug Markets, 1914-1916—*Drug and Chemical Markets*, 1916-1926—*Drug Markets*, 1926-1932—*Drug and Cosmetic Industry*, 1932—.

The Spokesman, 1916—.

Drug Trade Weekly, 1918-1922. 1928—.
Combined with *Pharmaceutical Era* in December 1922. Breden Publishing Corporation bought publication rights from *Pharmaceutical Era* in December 1928, and continued publication under above title.

Atoms and Molecules, 1919—.

Medicinal Herbs, 1922—.

Squibb Message, 1922—.

Drug Jobbers' Salesman, 1923—*Wholesale Druggist*—.

Drug Trade News, 1925—.

New York Pharmacist, 1927—.

Druggist's Research Bureau, 1928—.

Selling and Service, 1930—.

Bronx Pharmacist.

The Nyalist.

North Carolina (2).

The Dixie Druggist, 1913—.

Carolina Journal of Pharmacy, 1915—.

North Dakota (1).

Papyrus Ebers, 1928—.

Ohio (15).

The Druggist, 1859-1861.

Drug Mill, 1881-1881.

The National Druggists' Journal, 1882-1883.

The Journal, 1884—.

Midland Druggist, 1899-1909—*Midland Druggist and Pharmaceutical Review*, 1909-1926—*Interstate Druggist*, 1927—.

Drugs and Sundries, 1902-1908.

Drug Treatise, 1904—.

Therapeutic Digest, 1905—.

The Ohio Valley Druggists' Association, 1911—.

Merrell Messenger, 1915—.

Goodrich Druggist, 1916—.

The Ohio Druggist, 1925—.

The Reserve Pharmacop., 1927—.

Northern Ohio Druggists' Association.

The Miami Valley Druggist.

Oklahoma (3).

Oklahoma Druggist's Review, 1894-1895.

Oklahoma Druggist, 1894-1926.

Oklahoma Druggist's Bulletin, 1917—.

Oregon (3).

Pacific Drug Review, 1888—.

The Pharmacal Digest, 1895-1898.

The Show Globe, 1911—.

Pennsylvania (21).

Journal of the Philadelphia College of Pharmacy 1825-1834—*American Journal of Pharmacy* 1835—.

Annual Report of the Alumni Association of the Phila. College of Pharmacy, 1865-1891—.

Philadelphia College of Pharmacy Alumni Report, 1891-1893—*Alumni Report*, 1893-1911—*Bulletin of the Philadelphia College of Pharmacy and Alumni Report*, 1911-1921—.

Bulletin of the Phila. College of Pharmacy and Science and Alumni Report, 1921-1925—.

Bulletin of the Philadelphia College of Pharmacy and Science, 1925—.

Drug Printer, 1866-1873.

Druggist's Printer, 1868-1872.

Record of New Remedies and Their Therapeutic Value, 1871-1877.

Philadelphia Druggist and Chemist, 1878-1879—.

Monthly Review of Medicine and Pharmacy, 1879-1882—*Quinologist*, 1883-1884.

The Druggist's Journal, 1882-1889.

The Pharmaceutical Bulletin, 1885-1885.

Philadelphia Drug Oil and Paint Reporter, 1885-1892—*Drugs, Oils and Paints*, 1892—.

The Pittsburgh Druggist, 1887—.

Monthly Retrospect of Medicine and Pharmacy, 1895-1902.

Philadelphia Association Retail Druggists' Bulletin, 1901—.

Western Pennsylvania Retail Druggist, 1901—.

Good Fixtures, 1904-1929.

Bulletin of the Philadelphia College of Pharmacy, 1908-1911—*Bulletin of the Philadelphia College of Pharmacy and Alumni Report*

(See *Annual Report of the Alumni Association of the Philadelphia College of Pharmacy*, 1865.)

Druco News, 1910—.

Journal of the American Pharmaceutical Association, 1912—.

The Mulford Digest, 1912—.

Women's Organization Nation Association Retail Druggists, 1913—.

The Pennsylvania Pharmacist, 1918—.

Pharmascope, 1928—.

Rhode Island (1).

Claflin's Druggist, 1881-1914.

South Carolina (1).

Southern Journal of Medicine and Pharmacy, 1846-1847—*Charleston Medical Journal and Review*.

South Dakota (1).

The Optimist, 1926—.

Tennessee (6).

The Tennessee Pharmacal Gazette, 1874-1874—*Pharmacal Gazette*, 1874-1875.

The Drugman, 1884-1896.

Southern Journal of Pharmacy and Materia Medica, 1895-1898.

Memphis Druggist, 1915-1929.

Druggist, 1918-1931.

Memphis Retail Druggist, 1928-1931.

Texas (6).

Texas Druggist, 1886-1887—*Texas and Southwestern Druggist*, 1887-1888.

The Southwestern Druggist, 1891-1904.

Fort Worth Drug Reporter, 1887-1889.

The Texas Druggist, 1896-1900.

Southern Pharmaceutical Journal, 1908—.

The International Druggist, 1910-1921.

Virginia (1).

The Virginia Pharmacist, 1916—.

Washington (3).

Pharmaceutical Epitome, 1875—.

Washington State Retail Druggist, 1917-1921—

Western States Druggist, 1921-1927—*Western States Drug Journal*, 1927.

Moulton's Live Wire.

Wisconsin (12).

Wisconsin Druggist's Exchange, 1892-1902, consolidated with *Northwestern Druggist*.

Pharmaceutical Archives, 1898-1903.

Milwaukee Journal of Pharmacy, 1899-1900.

The Retort, 1900—.

The Wisconsin Druggist, 1903-1909.

The Mask, 1904—.

The Pill, 1910-1920.

Pharmacal News, 1915—.

Journal of the Wisconsin Pharmaceutical Association, 1920-1920—*Wisconsin Pharmaceutical Journal*, 1920—.

The Druggist's Journal, 1923—.

The Badger Pharmacist, 1930-1931.

Drug News.

ASSAY OF AROMATIC SPIRIT OF AMMONIA, U. S. P. X.*

BY J. D. BOOTH.¹

INTRODUCTION.

Since 1820, and up to the 10th Revision of the U. S. Pharmacopœia, Aromatic Spirit of Ammonia remained without an assay, although specifications of the alcoholic content and the specific gravity were made.

Kebler² reports a method for the assay which is as follows:

"Determine the total alkalinity by adding excess acid and titrating with an alkali. In a second sample precipitate the ammonium carbonate as barium carbonate, filter, add excess acid to the filtrate and titrate with an alkali. This titration represents the free ammonia. The difference in the two titrations represents the ammonium carbonate present."

Of the fifty-two samples which he assayed only eighteen per cent came within a ten per cent variation of the standard in the free ammonia content, and even a greater variation in the ammonium carbonate content. Due to the unsatisfactory results obtained, it was thought that by converting the ammonium carbonate to sodium carbonate and ammonium hydroxide that a more accurate assay could be developed.

* This paper is a development of a thesis presented to the faculty of the Philadelphia College of Pharmacy and Science as a part requirement for a Ph.C. degree, 1930.

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² L. F. Kebler, "The Quality of Some Drug Available on the Market and Purchased on Prescription, with Method of Analysis," *JOUR. A. PH. A.*, 6 (1917), 615.