

## ADDITIONS TO THE LIBRARY OF THE AMERICAN CHEMICAL SOCIETY.

*From September 1st, 1879, to January 1st, 1880.*

## PRESENTED BY AUTHOR.

Presented by M. A. BOUTLEROW :

“Condensation des Hydrocarbures de la Série Éthylénique.  
Part 3, Sur l'Isotributylene.” Pamphlet.

Presented by J. LAWRENCE SMITH :

“Mémoire sur le Fer Natif du Groenland et sur la Dolérite qui  
le renferme.” Pamphlet.

Presented by H. A. MOTT, Jr., Ph. D. :

“Chemists' Manual.”

“Adulteration of Milk.” Pamphlet.

“Testing the Value of Guns by Firing under Water.” Pamphlet.

“Potassium: Its Salts and Combinations.” Pamphlet.

“Complete History and Process of Manufacture of Artificial  
Butter.” Pamphlet.

“Process for the Manufacture of Illuminating Gas: History and  
Application.”

“The Common Sense of the Salt Question.” Pamphlet.

Presented by P. SCHWEITZER, Ph. D. :

“Various Methods of Separating and Determining Barium,  
Strontium and Calcium.” 2 Pamphlets: parts 1 and 2.

“On the True Composition of Coal, and on the Methods of  
Arriving at it.”

“The Water Supply of Columbia, Boone Co., Mo.” Pamphlet.

“A Lecture on Petroleum.” Pamphlet, 2 copies.

## ACQUIRED BY GIFT.

Presented by Prof. C. F. CHANDLER, Ph. D. :

“Reports of the Commissioners of the United States to the In-  
ternational Exhibition held at Vienna, 1873.” 4 vols.

Presented by Dr. E. WALLER :

“Annales du Génie Civil.” 6 vols: 1873-8.

“Le Technologiste.” 8 vols: 1874-8.

Presented by H. A. MOTT, Jr., Ph. D. :

Eugene A. Smith: "Geological Survey of Alabama." Pamphlets:  
1874-5-6.

"British Husbandry." 3 vols.

M. Vernois et A. Becquerel: "Du Lait chez la Femme."

Vernois et Becquerel: "Analyse du Lait des Principaux Types  
de Vache, Chèvre, Brébis, Bufflesse." Pamphlet.

T. A. Quevenne: "Mémoire sur le Lait."

M. Bouchardat et T. A. Quevenne: "Du Lait."

A. Parmentier et M. Déyeux: "Précis d'Expériences et Obser-  
vations sur les Différentes Espèces de Lait."

Anderson, Twamley, Desmarets, etc: "Art de Faire le Beurre  
et les Meilleurs Fromages."

Rudolph Wagner: "Handwoerterbuch der Physiologie." Zweiter  
Band: 1850.

Benno Martiny: "Die Milch." 2 vols: 1872.

Dr. Gustav Heppe: "Praktische Duengstafel." 1869. Pamphlet.

Emil Wolf: "Die Mittlere Zusammensetzung der Asche." Pam-  
phlet.

Oscar Cordel: "Die Stassfurter Kalisalze in der Landwirth-  
schaft." Pamphlet.

"Ein Nachtrag zu dem Aufsatz ueber die wichtigsten Stassfurter  
Kaliduenger." Pamphlet.

Presented by HAVEMEYER & ELDER :

"Dingler's Polytechnisches Journal." Vols. 227 to 230.

Presented by Dr. M. ALSBERG :

R. W. Raymond: "Mineral Resources West of the Rocky Moun-  
tains." 3 vols: 1873-4-5.

Presented by A. R. LEDOUX :

"Annual Report of the North Carolina Agricultural Experiment  
Station, for 1879."

Presented by the SCOVILL MANUFACTURING CO. :

"Photographic Times." Vol. 9: 1879.

Presented by JOHN S. LIPPS :

"Tovey's Official Internal Revenue Directory of United States  
and Canada Breweries."

Presented by **MARIANO BARCENA** :

“Boletin del Ministerio de Fomento de la República Mexicana.”  
Vol. 4, Nos. 100 to 124.

ACQUIRED BY EXCHANGE.

With the American Academy of Arts and Sciences :

“Proceedings.” Vol. 14: May, 1878, to May, 1879.

With the American Institute of Mining Engineers :

“Advance Sheets of Papers Read at the Baltimore and Pittsburgh Meetings.” 1879.

“Transactions of the American Institute of Mining Engineers.”  
Vol. 7: 1879.

With the K. K. Geologischen Reichsanstalt :

“Jahrbuch.” 1879.

With l'Académie Impériale des Sciences de St. Petersburg :

“Bulletin.” Vol. 25.

With the Publishers :

“New Remedies.” Vol. 5, except Nos. 7 and 9; Vol. 6, except  
No. 2; and Vol. 7.

“Analyst.” Vol. 4: 1879.

ACQUIRED BY PURCHASE.

“Jahresbericht ueber die Fortschritte auf dem Gesamtgebiete der  
Agricultur Chemie.” Vols. 16 to 20. “General Register ueber  
Jahrgang 1-20 (1858-77).”

Dr. Hermann v. Fehling : “Neues Handwoerterbuch der Chemie.”  
Vols. 1 and 2; Vol. 3, Nos. 1 to 6.

Fittica: “Jahresbericht.” 1877, part 3; 1878, parts 1 and 2.

O. L. Erdmann : “Journal fuer Praktische Chemie.” New Series.  
Vols. 17 to 20.

NEW EXCHANGES.

AMERICAN.

“American Chemical Journal.”

“Manufacturers' Review and Industrial Record.”

“Medical Record.”

“Sanitarian.”

“Scientific American Supplement.”

- ENGLISH.  
 "Engineering."  
 FRENCH.  
 "Le Moniteur de Produits Chimiques et de la Droguerie."  
 GERMAN.  
 "Correspondenz-blatt des Vereines Analytischer Chemiker."  
 "Verhandlungen der K. K. Geologischen Reichanstalt."  
 ITALIAN.  
 "Gazzeta Chimica Italiana."  
 SPANISH.  
 "La Gaceta Industrial."  
 MEXICAN.  
 "Revista Cientifica Mexicana."

## SOCIETIES WHICH EXCHANGE WITH THE AMERICAN CHEMICAL SOCIETY.

## AMERICAN.

- Academy of Natural Sciences.  
 American Academy of Arts and Sciences.  
 American Institute of Mining Engineers.  
 American Philosophical Society.  
 American Society of Civil Engineers.  
 National Association of Wool Manufacturers.  
 New York Academy of Sciences.

## ENGLISH.

- Chemical Society.  
 Newcastle-on-Tyne Chemical Society.  
 Pharmaceutical Society of Great Britain.  
 Society of Arts.

## FRENCH.

- Société d'Encouragement pour l'Industrie Nationale.  
 Société Industrielle d'Amiens.  
 Société Industrielle de Mulhouse.  
 Société Industrielle de Rouen.

## GERMAN.

- Deutsche Chemische Gesellschaft.  
 Kaiserliche Akademie der Wissenschaften in Wien.  
 K. B. Akademie der Wissenschaften zu Muenchen.  
 K. K. Geologischen Reichanstalt.

## RUSSIAN.

Academie Imperiale des Sciences de St. Petersbourg.

DEPARTMENTS OF THE U. S. GOVERNMENT WHICH EXCHANGE WITH THE  
AMERICAN CHEMICAL SOCIETY.

Bureau of Statistics.

National Board of Health.

CONTRIBUTIONS TO THE MUSEUM SINCE THE FOUNDATION OF THE  
SOCIETY.

Presented by W. H. NICHOLS :

Piece of lead lining of tank, showing a peculiar corrosive action  
of Artesian well water. Taken from the Sulphuric Acid  
Works of G. H. Nichols & Co., on Newtown Creek, Long  
Island.

Specimen of flue dust taken from Sulphuric Acid Works.

Presented by Dr. M. ALSBERG :

Series of twelve specimens illustrating the manufacture of bronze  
powders from the ingot.

Specimen of artificial cinnabar.

Presented by J. P. BATTERSHALL, Ph. D. :

Specimen of fibrous sodic chloride found in a cargo of Peru-  
vian guano.

Presented by MARIANO BARCENA :

Specimen of livingstonite (Barcena), sulphide of antimony and  
mercury. From Huitzuc, Mexico.

Specimen of pipitzaboic acid, extracted from the Mexican plant  
called *Trixis pipitzaboe*.

Presented by Prof. J. W. MALLETT :

Specimen of heptane, first obtained as a distillate from the exu-  
dation of *Pinus sabiniana*, by Mr. Wm. T. Wenzell, of San  
Francisco, Cal., and described by him under the name of  
"Abietene."

Two specimens of China galls, *Rhus semialata*.

Specimen of Japan galls.

Presented by Messrs. E. S. MOFFAT and PARDEE :

Two specimens of magnetic iron ore, one containing 15 per cent. MgO as serpentine. From Libby Foster Mine, New York State.

Specimen of hematite ore from Bilboa, Spain.

Specimen of hematite ore from Mockta, Algeria.

Presented by E. M. JOHNSON :

Specimens of ferro-chromium, showing fracture, and containing from one-eighth per cent. to 2.9 per cent. of chromium.

Three specimens of chrome steel, showing fracture.

Specimens of ferro-chromium containing 36.54 per cent. of chromium.

Presented by G. H. JOHNSON :

Specimen of ferro-manganese containing 88.68 per cent. of manganese.

Specimen of German ferro-manganese containing 29.05 per cent. of manganese.

Alloy containing 83.79 per cent. of manganese.

Presented by Messrs. PICKHARDT & KUTTROFF :

Case containing sixty-six samples of aniline dyes.

Presented by T. E. ALLEN :

Specimen of common salt showing ripple marks, taken from the shore of Great Salt Lake, Utah.

E. WALLER, Ph. D.,  
*Librarian.*

## II.—CONTRIBUTIONS TO THE EXAMINATION OF EASTERN, WESTERN AND SOUTHERN CORN.

By Prof. C. A. GOESSMANN, Mass. Ag'l Coll.

This investigation was undertaken at the request of several Agricultural Societies of the Connecticut River Valley, in Massachusetts, to ascertain the relative feeding value of corn.

### *Sweet Corn.*

I.—“TEXAS BLUE SWEET,” Palmer, Mass.

The ear contained eight rows of kernels of a blue color; its average length was from 5 to 6 inches, and its average weight was