

26/20/19

Alumni Association

Alumni

Charles H. Spaulding Papers, 1908-19, 1923, 1926-68

Box 1:

Biographical Material, 1917, 1923, 1951-52, 1962, 1968

Birth Record, 1951; marriage certificate, 1917; and a record of Spaulding's employment from 1912 to 1923, ca. 1923; business cards; passports, 1956, 1962; Obituaries and letters of condolence, 1968

Speeches made by Spaulding, ca. 1949, 1958

Original typed papers and reports

Concerning water softening techniques, stabilization, and water purification techniques in general

Mementos of Spaulding's student days at the University of Illinois

Announcement and banquet program of Alpha Chi Sigma, 1911; a postcard to his father, 1908; a commencement booklet for his graduating class including a class roster, 1912; the Alumni Quarterly for November 15, 1917; photographs with mother and Alpha Chi Sigma

Charles H. Spaulding's Bachelor's Thesis, 1912

Panama Photographs, 1912-14 and water testing record book, 1914-15 and diary, 1914-15

Willis J. Spaulding Testimonial, 1947, 1949, 1960 (Charles' brother)

Alvord, Burdick & Howson, Correspondence, 1952-54, concerning contracts to install water conditioning equipment for which Spaulding held patents

Correspondence by Mrs. Spaulding, 1970, regarding her husband's papers

American Society of Civil Engineers, Water Treatment Plant Design Manual, 1955-56

American Water Works Association correspondence, 1940-42; annual meeting, programs, 1963

Appleton, Wisconsin Water Purification Plant, 1963

Data on quality of water and Plant facilities

Australia, 1964

Correspondence with officials at the Sydney, Australia Water Works and printed booklets describing the Sydney plant

Bloomfield, Iowa, 1948

Data regarding the Bloomfield Water Treatment Plant for which Spaulding acted as consultant in planning

Bloomington, Illinois

1932, Spaulding's personal notebook of statistical data relating to the Water Treatment Plant 1941-42, including correspondence with the Treatment Plant and statistical data

1951, Report on Water and Electric Systems for Bloomington, Illinois, February, 1951

1952, Spaulding's notebook of findings regarding phases of water purification at that plant

C. Arthur Brown, 1937-38

Correspondence with the Brown Engineering Co. of Lorain, Ohio, which handled the installation of water purification systems designed by Spaulding

Brown & Caldwell consulting correspondence, 1947-58

Erdlator - combination aerator and agitator, 1951

Exchange Club, Urbana, 1967-68
Illinois Section, American Water Works Association Publications, 1958, 1969, 1972
Illinois Water Treatment Company, 1954
 Correspondence with the Rockford, Illinois, Company
Institute of Inter-American Affairs; Rio-De-Janeiro, Brazil, 1952
 Correspondence concerning the installation of water purification plants
Wilfred F. Langelier, Correspondence, 1948-67
Lone Star Brewing Company, 1953-55
 Correspondence with the Brown, Caldwell Company of San Antonio, Texas, regarding the
 installation of filtration equipment at the Brewery
Miami, Florida, 1949
 Correspondence with the Department of Water & Sewers
Minneapolis, Minnesota, 1936, 1937, 1941
 January-February 1942
 Charts outlining water softening operations
 August-November 1942
 Water softening charts
National Research Council, Subcommittee on Water Supply, 1948-64
U.S. Naval Engineering Company, Correspondence, 1952
Oklahoma City, Oklahoma, no date
 Study of water softening plant
Patent application of C. H. Spaulding
 1937, On a filter device
 1938, For a sludge conditioning device
 1942, For a mechanism to separate impurities from water
Patent search, 1945
 Information gathered by a law firm to establish the originality of Spaulding's idea(s)
 regarding methods of filtration
Patent #709, 514
 Specifications and original ideas regarding the Spaulding Precipitator
Patent Office Patents #748, 308 to 2,128, 569
 Patented devices pertaining to water purifications systems
Patents, 1935, 1938, 1941-72

Box 2:

Permutit

 1937-38, Correspondence involving Permutit with the Louisiana Steam Co.
 November 1938-March 31, 1938; April 1938-October 19, 1938
 Correspondence involving Permutit and the Metropolitan Water District of Southern
 California
Metropolitan Water District of Southern California Report #746, 1938

Mimeographed summary report of the systems facilities

Permutit

1937, Correspondence involving projects under contract with municipalities and companies
January-December 1938, (6 folders), Correspondence involving project under contract with
municipalities and companies to install water purification facilities

Box 3:

January 1939-December 1942 (7 folders)

Permutit Company Data Book, 1944

Printed catalog of systems installed by the Permutit Co.

Permutit Company, 1947, 1950, 1953-55, 1957-59

Permutit Company Operating Instructions for Water Conditioning Equipment, 1956

Permutit Company, 1960

Blueprint of the Taylorville, Illinois, installation

Permutit Royalties, 1938-42, 1952-56

Box 4:

Portsmouth, Ohio, AEC Project, 1953

Rantoul

Analysis of the Rantoul Facilities

Sangamon River, 1926

Printed report of the quality of the water

Printed report on pollution and channel improvement, 1927

Typed report outlining pollution by Decatur's sewage, 1927

Bacteriological study at Springfield Water Works, ca. 1927

Analyses of pollution factors, 1929

Santa Cruz, California, Water Development, 1954

Springfield, Illinois, Water Department, December 1928, printed circular on Lake Springfield Project

graphs of monthly records for use of chlorine and ammonia, 1928

newspaper clippings, 1931

Water Purification Plant, 1934-36

Annual Reports, 1934-35, 1938

Dam, Lake and Bridge Dedication program, 1935

Discussions of facility by C. H. Spaulding

Monthly checks of water quality, 1936-66

Lake Springfield (1936 and Municipal Light and Water (1939 publications
photograph, 1939

correspondence with the Superintendent of Water Purification, 1940-43

general correspondence, 1941, 1947

- Waterlite News, 1941-42
- Water Plant, mimeographed Report on the Water System by the Burns & McDonnell Engineering Company, 1948
- Two Burns & McDonnell contracts for plant improvements
- #114 for Suspended Solids Contact Equipment
- #115 for Treatment Plant Improvements, 1955
- Department Notebook of Statistics, 1957
- Capitennial Booklet, 1957
- general correspondence and reports, 1954, 1956-60
- Water Treatment Reports and Stream Survey, 1960-61
- 1961, 1963, 1964, 1966, 1967
- Pitometer Associates Reports which give statistics on pressure in mains
- general correspondence, reports, analyses pertaining to water treatment, 1962-63
- correspondence and reports, 1964-65
- correspondence with and reports of the Crawford, Murphy & Tilly consulting firm, 1965
- Water Department, correspondence, blueprints of facilities, analyses of systems and photograph, 1966
- correspondence, reports, specifications and contracts for installation of new facilities, 1967
- blueprints of Springfield water purification facility, 1955, 1961-62, 1966
- photographs, ca. 1955
- Threshold Odor, 1941, correspondence with firms and individuals concerning findings
- Threshold Odor, 1941-51, discussions by C. H. Spaulding regarding threshold odor and water softening coagulation
- Travel, 1956-1963
- University of California Radiation Laboratory - Livermore: Brown & Caldwell, 1954-56
- University of Illinois correspondence, 1953; Foundation Reports, 1966-68
- Water Treatment Plant Design, 1947-1967
- correspondence and reports
- Winnebago State Hospital, ca. 1958
- notes by C. H. Spaulding on the facilities

Box 5:

- Great Lakes Study General Correspondence, 1953-54
- American Water Works Assoc.; Harry E. Jordan; Alvord, Burdick & Howson; Pitometer Assoc.
- Great Lakes C-Data, n.d.
- Great Lakes Linear Regression Analysis of C-Data, n.d.
- Buffalo, Cleveland, and Detroit
- Lease Square Analysis of Data from various district systems, ca. 1952

- data from cities on the Great Lakes
- Great Lakes area purification plants, 1949-52
 - Spaulding's journal of statistics from cities
- Great Lakes Survey Reports, 1952-53
 - studies of facilities for water purification selected major cities
- Great Lakes Area Water Quality, 1954-56
 - data on the loss of carrying capacity in mains
- Great Lakes Area, 1954
 - graphs showing the effect of dissolved solids on carrying capacity in mains
- Preliminary Draft Report on the Correlation of Water Quality with Loss of Carrying Capacity in Mains on the Great Lakes by C. H. Spaulding, Feb. 8, 1954
- Great Lakes Water Information
 - Buffalo, New York, ca. 1952
 - Chicago, Illinois, 1950-52
 - Cleveland, 1952
 - Detroit, 1952
 - Detroit, 1954
 - Duluth, Minnesota, 1954
 - Hamilton, Ontario, ca. 1953
 - Lake Michigan Survey, 1951-52
 - Lake Michigan, 1952
 - Milwaukee, Wisconsin, ca. 1943
 - Montreal, ca. 1951-54
 - mimeographed report relating to the Montreal area, 1953
 - Toronto, 1931-32
 - Toronto, 1952
- Reprints & publications
 - AG Chemical Company, 1954
 - printed catalog entitled Isopor Water Laboratory
 - Fred Abbenseth (and J. V. Kelly and W. A. Helbig)
 - Threshold Odor Tests
 - American Water Works Association, 1957-59
 - copies of the AWWA publication Willing Water
 - William Aultman, 1950
 - Desalting Sea Water for Domestic Use
 - Harold E. Babbitt, 1934
 - The Mechanical Aeration of Sewage by Sheffield Paddles & An Aspirator
 - Barkley, J. F., Boiler Water, 1936
 - Brown and Caldwell, Civil and Chemical Engineers, San Francisco, 1953,1955
 - Report on Softening Plant Study Culver City Water Supply System Southern California Water Co. and Study of Water Quality and Treatment City of Vallejo, California

- A. M. Buswell, 1948
Methane Fermentation of a Fibreboard Waste
- Thomas R. Camp, 1945
Turbulence & Friction in Water Pipes
- A. T. Clark, 1930
Relation of the Interior Condition of Water Mains to the Coefficient of Roughness
- Cliffs Dow Chemical Company, 1938
Activated Carbon for Water Purification
- Alexander Goetz, 1952, 1953
Application of Molecular Filter Membranes to Specific Problems in Water Analyses;
The Concentrometer Method of Applying Molecular Filter Membranes;
Application of Molecular Filter Techniques to the Bacterial Assay of Sewage
- Paul Hansen, 1940
Active Problems in Water Purification
- Vernon L. Hinebrook, 1958
Michigan's Largest High Rate Water Treatment Plant
- Illinois Municipal League, 1939
Illinois Municipal Retirement Fund Act
- Illinois State Water Survey Circulars, 1942-43, 1959, 1960, 1963
#91 Selected Papers on Cooling Tower Water Treatment, 1966
- Illinois Water Treatment Company
 tables of equipment data for equipment produced at the Rockford, IL plant
- J. A. Jensen, 1938, Water Softening at Minneapolis
- Lake Management Reports, 1937-48
 Reports issued by the Natural History Survey at Urbana. Report #2 Fork Lake Near Mount Zion, Illinois, 1939; #3 Lincoln Lakes Near Lincoln, Illinois, 1939; #4 A Second Year of Fisheries Investigations at Fork Lake, 1939; and #5 Winterkill of Fishes in Illinois Lake, 1948
- W. F. Langelier, 1936, 1946, 1949, 1950
The Analytical Control of Anti-Corrosion Water Treatment; Chemical Equilibrium in Water Treatment and Effect of Temperature on the pH of Natural Water; Mechanism of Flocculation in the Clarification of Turbid Waters; Scale Control in Sea Water Distillation Equipment and Report on Cause and Presentation of Scale and Corrosion in Thermocompression Equipment...employed ...Distillation of Sea Water (1950-51)
- John O. Logan, 1940
 Calcium Hypochlorite in Water Purification

Box 6:

- R. F. MacDowell, 1937
A Fully Automatic Softening & Iron Removal Plant

- Michie City Publications, 1954
Code of the City of Springfield
- Henry F. Monroe
Fluoridation Monograph
- National Association of Corrosion Engineers, 1960
Service Life of Pipe Exposed to Domestic Waters
- H. M. Olson
Review of Performances of Municipal Zeolite Plants
- Thomas Parran, 1932
Rural Water Supply & Sewage Disposal Systems
- A. C. Reents, 1952
Quality of Water Produced by Ion-Exchange
- Otto S. Reynolds, 1929
Dry Square Braided Hemp for Yarning Joints
- Charles H. Spaulding, 1927-51
"Operation of the New Water Softening Plant at Springfield" (1927)
"Preammoniation at Springfield, Illinois" (1929)
"Natural & Artificial Purification of the Sangamon River" (1930)
"Water Softening at Bloomington, Illinois" (1931)
"Manipulation of pH at Springfield" (1931)
"Quantitative Determination of Odor in Water" (1931)
"Contamination of Mains by Jute Packing" (1931)
"Filter Problem & Water Softening" (1932)
"The New Water Purification Plant for Springfield, Illinois" (1935)
"Conditioning of Water Softening Precipitates" (1937)
"Some New Practices in Water Softening" (1938)
"Accuracy & Application of Threshold Odor Tests" (1942)
"Diatomite Water Filtration Developed for Field Troops" (1944)
"Improved Coagulation by the Use of Pulverized Limestone"
"Scale Control in Sea Water Distillation Equipment" (1950)
"Desalting Seawater" (1950)
"Limestone Coagulation" (1951)
- J. B. Stall, 1952
The Silting of Lake Springfield
- H. W. Streeter, 1928
Sewage Polluted Surface Waters As a Source of Water Supply
- Water Information Center, Inc., 1960
The Future of Salt Water Conversion
- Carl Wilson, 1954
Remarks Upon a Manganese Deposit in the San Vicente Transmission Line
- Edgar K. Wilson, 1936
Condition of Mains in Typical American Cities

Permutit Water Conditioning Handbook

(Which outlines the various equipment and systems installed by that company)

American Chemical Society

Chemistry - Key to Better Living

Diamond Jubilee Volume 1951

Box 7:

Personal Correspondence, 1949-68, 1970-72 with Willis J. Spaulding, Frank H. Bode and others about sanitary engineering, water supplies, investments, travel and family affairs.

Federal and Military, personnel forms and reports, 1917, 1938, 1945-56

Engineer Board, Ft. Belvoir, Virginia

Correspondence, 1917-18, 1942-57

Reports, 1944-45

Professional Association Correspondence, 1956-67

Newspaper Clippings, 1918, 1923, 1930, 1939, 1943, 1951, 1956-59

Photographs, 1912, 1969-18, 1951, 1966

Box 8:

Color Slides, Springfield, Illinois filter plant and Spaulding Precipitators, 1960 (45), 1961 (4), 1965 (17)

Diaries, 1939, 1947, 1949-55, 1958, 1960-61, 1966