

11/5/21
Engineering
Civil Engineering
Arthur N. Talbot Papers, 1874-1942

Box 1: Correspondence, 1874-84

- 1874: Military Academy appointment
1877: Pocket-sized notebooks containing handwritten notes and quotations; copy of the Constitution and Laws of Illinois Industrial University, 1875; Copy of textbook, Representative Names in the History of English Literature, by H. H. Morgan, 1876; University Hall, Drill Hall, Chemistry Building, ca. 1878 - photographs and floorplans
1878: Notebooks, college English assignments, programs from exhibitions and concerts, photographs of classmates
1879-81: Clippings, programs, notes and correspondence
1881-82: Copies of The Vindicator, programs of university activities, correspondence
1883-84: Correspondence relating to trip to Mexico and consulting work for Chicago and Alton Railroad Co., programs from University activities

Box 2:

- 1886-90: Exams, 1885-94; photographs of U. of I. faculty, 1886; classes of 1887, 1888; programs of University activities; correspondence from railroad companies requesting advise; copies of exams, 1885-94; mechanical drawing book, 1887; Sophograph of 1890
1889-90: U. of I. Alumni Report, 1889; announcements and programs of University activities; 1889 Sophograph; lecture on sanitary sewer construction; correspondence relating to the publications of papers and consulting work
1891: Programs of University activities; lecture notes; correspondence relating to publication and consulting work; much correspondence about The Technograph
1892: Photograph of faculty, 1892; correspondence relating to consulting work, publications and lectures
1893-94: Correspondence and notes on consulting projects; 1894 Sophograph
1893-94, 1896, 1899: Photograph of Civil Engineering Club, 1896; publications, 1898; address on sanitary science given for the Women's Club, Sept. 23, 1899

Box 3:

- 1900-01: Publications, 1900; address to State Farmers' Institute, 1900 on Sanitation in Town and Country; address to Engineering Assembly, Spring, 1901
1902: Publications, 1902; correspondence from The International Correspondence Schools relating to revision of their course material in sanitary engineering; paper on hydraulics of sewers; "Hydraulics of Sewers", Dec., 1902 - original handwritten manuscript
1903-05: Clippings and report on the water supply of Paris, Illinois; report on paving brick,

testing and inspection, 1905; testimony in Henderson County case on determining the center of gravity; talk on Old-time Faculty of the University of Illinois, 1905; Plain and Reinforced Concrete Courses, 1907, 42 photographic prints

Box 4: Correspondence, 1906-1915, 1918, 1921-1929

Correspondence, 1906

Commencement number of The Illini; university events programs; Charles F. Marsh (UK)

Plain & Reinforced Concrete Courses, 1907

John Deere Omaha Warehouse, July 1908

Construction photographs

Manuscript & Publications, 1908-09

"High Grade Paving Brick," 1908

"The Engineer & Public Health," 1909 (MS)

"Tests of...Steel and...Iron...," 1909

Correspondence, 1910-11

Investigation of the new City Hall, Chicago, IL, 1910; Letters of tribute to Talbot on the occasion of two

National Association of Cement Users, 1910-13

Turner - Carter Building Test, 1911

Lauter Building Test, 1911-12

Larkin Warehouse Building Test, August 1912

Correspondence, 1912-13

Certificate of membership in Triangle fraternity; correspondence relating to publications; honors from A.

Bulletins 64 (Reinforced Concrete Buildings) & 67 (Wall & column footings), 1913

Box 5:

American Concrete Institute, Board of Directors, 1911-15

Reinforced Concrete Studies - Photographs ca. 1915

Joint Committee on Concrete & Reinforced Concrete, Final Report, July 1916

Correspondence, 1914-16, 1918

Announcements and clippings concerning Talbot's election as President of A.S.C.E., 1918; correspondence concerning contract work, 1918; history of Central Illinois Branch of the Assoc. of Collegiate Alumnae written by Mrs. A.N. Talbot, 1918

Correspondence, 1921-24

1922 letter to George Huff concerning early baseball at U. of I., publications, 1922, 1923,

Talbot's comments on the early faculty, ca. 1923; Speech from 1924 Engineering Dinner,

"Engineers I Have Known"; biographic statement, 1924, on occasion of Talbot's receiving the Washington Award; Speech by W.C. Field, President, Illinois Assoc. of Sanitary District Trustees at the unveiling of a memorial to A.N. Talbot and Edward

Bartow, Nov. 21, 1924

Stadium Test Data of Concrete Studies, April 1923

T & AM & W.A. Slater

Correspondence, 1925

Bulletin 67 reprint; comments on track stress work, clippings on I.O. Baker; ASCE honorary membership

Box 6:

Correspondence, 1926-28

Materials from Engineering Assembly honoring A. N. Talbot, 1927; correspondence concerning honorary membership in A.S.C.E., 1926; Publications; Correspondence relating to the Henry C. Turner medal through the American Concrete Institute; Photograph Album concerning the construction of an elevated railroad structure in Japan by one of Talbot's students, M. Abe

World Engineering Congress, 1928-29

Correspondence, 1930-32; 1934

Dedication of Materials Testing Lab., 1930; Material concerning memoir of Professor Ira O. Baker; Investigation of the work of A.N. Talbot in Railway Engineering by the Franklin Institute of the State of Pennsylvania; correspondence relating to reunion of class of '81; Speech given at reunion, June, 1931; Materials relating to presentation of the Lamme Medal to A.N. Talbot, 1932; Materials relating to the work of Subcommittee on Engineering Materials and Materials Testing

Correspondence (2 folders), 1936-42

relating to presentation of the 1937 John Fritz Gold Medal; Materials relating to renaming of Materials Testing Lab for A.N. Talbot, 1938; excerpts from letters honoring Talbot on this occasion; Photograph album commemorating the fiftieth anniversary of the class of '88, June 11, 1938; Report to the committee on stresses in railroad track for use as a basis in making the 7th progress report of the committee, 1940; Tribute to Talbot from AREA for his long service; letters from classmates recalling early times at the University; Summary of Talbot's university duties, lines of research, offices and memberships in technical organizations, medals and awards; memoir of ASCE, 1942; Commemorative material

Awards, 1881, 1913-32

State of Illinois, Illinois National Guard, Captain's Commission, 1881 (Oversized)
 The Concrete Institute, Honorary Member, 1913 (Oversized)
 University of Pennsylvania, Doctor of Science, 1915 (Oversized)
 University of Michigan, Doctor of Engineering, 1916 (Oversized)
 Institution of Civil Engineers, Membership, 1921 (Oversized)
 American Society for Testing Materials, Honorary Member, 1923 (Oversized)
 American Society of Civil Engineers, Honorary Member, 1925 (Oversized)
 American Society for Testing Materials, Philadelphia, Edgar Marburg Lecture, 1926 (Oversized)
 Masarykova Akademie Prace (Prague, Czech Republic), Honorary Member, 1927 (Oversized)
 The Franklin Institute of Pennsylvania, George R. Henderson Medal for the Railway Transition Spiral, 1931 (Oversized)
 American Concrete Institute, Honorary Member, 1932 (Oversized)

Box 7:

Diary, 1878

Diary, 1879-81

Report & Exhibits of Committee on Railroad Track Stresses, 1933

80th Birthday and Laboratory Dedication Correspondence and Programs, 1937-38

Letters of Congratulation on 80th Birthday, Oct. 1937, A-L, M-Z

Letters of response to Talbot Lab. convocation invitations, April 1938, A-L; M-Z

Programs from Talbot Lab. dedication, 1938

Prints of portrait of A.N. Talbot

Box 8:

Student Engineering Drawings and Notes, 1878-1880, 1889-1893

Surveying (II Campus), 1878

Writing and Typography, 1879

Descriptive Geometry Plates, 1879

Railroad and Location Surveying, 1879-80

Experiments in Physics, 1880

Analytical Mechanics, n.d.

Projection Drawing (Student work), 1889-93

Box 9:

Note: Contents of Boxes 9 and 10 were acquired on June 14, 2005 from John Hoffman of the Illinois Historical Survey.

Biographical

Books, owned and signed by Arthur N. Talbot, 1869-2005

Contains note on provenance, John Hoffman to Willis C. Baker, 2003, 2005

Sanders, Charles W., Sanders' New Speller, Definer and Analyzer Chicago: S.C. Griggs & Co. 1869

Smith, Lieut. R.S. A Manual of Topographical Drawing. New York: John Wiley & Son, 1875.

Certificates, Diplomas, Awards, 1923-1937:

The American Society for Civil Engineers, Election to President, 1918
(Oversized)

Life Member, The American Society of Civil Engineers, 1923

Illinois Society of Engineers, Honorary Membership, 1924 (Oversized)

The Washington Award, presented at the 54th Annual Meeting and Dinner of the
Western Society of Engineers, 1924

Henry C. Turner Medal for Notable Achievement in the Concrete Industry,
American Concrete Industry, 1928 (Oversized)

World Engineering Congress and Kogakkai, Tokyo, Japan, 1929

American Water Works Association, Honorary Member, 1930 (Oversized)

Presentation of the Lamme Medal to Arthur Newell Talbot, 1932
 National Honorary Member, Chi Epsilon Fraternity Civil Engineering, 1932
 Certificate of Honor, Society for the Promotion of Engineering Education, 1933
 Certificate of Appreciation, Chicago World's Fair Centennial Celebration, 1933
 Phi Kappa Phi, Membership in University of Illinois chapter, 1935 (Oversized)
 John Fritz Medal, 1937
 American Railway Engineering Association, Honorary Membership (Oversized)

Dedication of Materials Testing Laboratory, 1930
 Golden Anniversary of Class of 1881, 1930-31:
 Illinois Alumni News, Commencement Edition, 1931
 Class of 1881 Letters, 1930
 Program of College of Engineering, 1907-1908

Correspondence, Professional

General, 1909-1942
 Description of Lands Conveyed by the Board of Trustees to the University of Illinois
 Foundation, 1938
 Gimbel Alley Case, 1909-1917
 Transbay Bridge, San Francisco, California, 1927
 Waterman, F.W., 1918

Publications

Bibliography

Draffin, Jasper O. "Publications and Writings of Arthur N. Talbot," 1921

Feature Articles and Tributes to Arthur N. Talbot:

"Current News: Presents Washington Award" The Western Society of Engineers,
 28.6, p.107-111, 1924
 Engineering Assembly in honor of Arthur N. Talbot, University of Illinois, 1925
 "Doctor Arthur Newell Talbot" and Dedication, The Illinois Technograph, 52.1,
 1937
 "Arthur N. Talbot Honored" Engineering News-Record, p. 611, 618-620, 1938
 "Arthur Newell Talbot Laboratory" A Commemoration of Renaming the
 Materials Testing Laboratory, 1938
 "Arthur Newell Talbot Laboratory" University of Illinois Bulletin, 35.62, 1938
 "High Honor for Professor Talbot" Illinois Alumni News, p. 6, 9, May 1938
 "A Tribute to Dr. A. N. Talbot," Bronze Tablet, American Railway Engineering
 Association (AREA), Reprinted from AREA Bulletin, 427, 1941
 "Arthur Newell Talbot" and cover photo. The Illinois Engineer, 18.4, p.3, 14,
 1942
 "1857 - Arthur Newell Talbot - 1942" Illinois Alumni News, p. 2, 1942
 McLaughlin, Robert E., "Powered Concrete Ships of World War II," with
 notation: "One such ship named 'The Arthur N. Talbot,'" Engineering

News-Record, 1944

Gilkey, H.J. "Arthur Newell Talbot: 1857-1942" Tentative draft prepared for American Concrete Institute (ACI) with a view to publication in Conco News. Ames, Iowa, 1951.

"Founders of Illinois Society of Professional Engineers (ISPE): ISPE Historical Notes Show Steady Growth" The Illinois Engineer, 1960.

Journal and Magazine Articles authored by Arthur N. Talbot, 1912 - 1937:

"The Engineering Teacher and his Preparation: Presidential Address" Reprinted from the Proceedings of the Society for the Promotion of Engineering Education, 14, 1912

"Graduate Work in Engineering" Reprinted from the Proceedings of the Society for the Promotion of Engineering Education, 30, 1922

"The College of Engineering" and cover art of Materials Testing Lab, The Technograph, 1933

"College of Engineering" The Illinois Technograph, 48.4, 1934

"The Relation Between Track and Rolling Stock" The Western Railway Club, 49.5, 1937

Professional Engineering Reports by Arthur N. Talbot

"Report of Board of Engineers, Transbay Bridge, San Francisco, 1927,"
Facsimile, 2005

"Railway Transitions Spiral" Book publication and print notes, 1927-41

"The Mixing of Concrete in Batch Mixers" Summary or Comment

Speeches and Addresses by Arthur N. Talbot, 1917-1941:

"For Deans' Legislative Brief" Feb., 20, 1917

"Dean Richards and the College of Engineering" Richards' Dinner, 1922

"Welcome to Dean Ketchum" Induction, 1923

"Welcome to Dean Ketchum" Address Delivered at the Induction of Milo Smith Ketchum, Dean of the College of Engineering, 1923

"Engineers I Have Known" College of Engineering Dinner, 1924

"For I.O.B." Student Stats, 1928

"The Testing Laboratories and Their Work: A Retrospect" Materials Testing Lab Cornerstone Exercises, 1928

"The Work in Materials Testing and Related Lines" 1930 (2 copies, with edits)

"Memorandum of Thoughts at Philadelphia" 1931

"Fifty Years" Address given at Fiftieth Anniversary of Formation of the Illinois Society of Engineers, ca. 1936

"Address by Professor Arthur N. Talbot: Program of the Fifty-first Annual Meeting" The Illinois Engineer, 12.1, 1936

"Greetings to Freshmen" Technograph, 1937

"Ira Osborn Baker and the Baker Award" Address presented at the Baker Award Convocation of Civil Engineering Students, 1937

“Two Years in the Renwick School: 1875-1877” 1941

Box 10:

Photographs

Japan, Arthur N. Talbot and Dr. Mikishi Abe, 1929
 World Engineering Congress, Japan, with Dr. Mikishi Abe, 1929
 Class and Staff, Theoretical and Applied Mechanics, Materials Testing Laboratory, 1930-31
 Tribute to A.N. Talbot, Bronze Tablet, American Railway Engineering Association, 1941
 The Arthur Newell Talbot Lecture, 1997
 Arthur N. Talbot, portrait

Talbot Family Papers, 1994-2004

Correspondence

General, 1996-2004
 Talbot, W. Phillips and Jim Phillips, includes photos, 1995-2004

Subject Files:

60th anniversary of renaming Materials Testing Lab to Arthur N. Talbot Lab, 1998
 Arthur Newell Talbot Fund, Living Legacy symposium, 1994
 Goodell Jr., Warren, 1995-2004
 Herbert Talbot Gilkey, photo, 1994
 Talbot family contact information, 1996-98
 Talbot, William Phillips “Phil” and Mildred Fisher Talbot
 Mildred Biographical Sketch, 2004
 Mildred Fisher Talbot remembrance, includes family photo, 2004
 Nomination of William Phillips Talbot for Lifetime Achievement Award, 2004

Box 11:

Note: Contents of boxes 11 through 14 were acquired September 26, 2012 from James W. Phillips via John Hoffman of the Illinois Historical Survey.

Talbot Family Papers 1994-2003

University of Illinois Bulletin: Arthur Newell Talbot Laboratory. April 1, 1938
 Talbot Farms Information 1994-95
 S.S. *Arthur Newell Talbot* Information 2003

Family Member Files: Organized Chronologically by date of birth.

Arthur Newell Talbot (b. 1857 d. 1942) 1994
 School Documents 1994
 “Rates of Maximum Rainfall” Manuscript of an essay by Talbot ca. 1891

Talbot and Track by L K Sillcox; New York Air Brake Company, 1943.
 Talbot Portrait by C. K. Liu, 1995
 Virginia Mann Hammet Talbot (b. 1860 d. 1919) 1994
 Kenneth Hammet Talbot (b. 1887 d. 1952) & Gertrude Louise Phillips Talbot (b. 1886 d. 1976) 1994
 Mildred Virginia Talbot Gilkey (b. 1891 d. 1969) & Herbert James Gilkey (b. 1890 d. 1976) 1994
 Rachel Harriet Talbot (b. 1896 d. 1982) & Harold Malcom Westergaard (b. 1888 d. 1950) 1994
 Hiroshima/Nagasaki Photos, 1945
 Dorothy Newell Talbot (b. 1898 d. 1983) & Warren Franklin Goodell (b. 1899 d. 1965) 1994
 William Phillips Talbot (b. 1915 d. 2010) 1994
 Virginia Talbot (b. 1918 d. 1989) 1994

Box 12:

Warren Franklin Goodell Jr. (b. 1924) 1994
 Herbert Talbot Gilkey (b. 1924) 1994
 Arthur Newell Talbot II (b. 1925) 1994
 Arthur Kay Gilkey (b. 1926 d. 1953) 1994
 Gilkey Glacier Information 1994
 “Geological Structures on the Camp Ten Nunatak, Juneau Icefield, Alaska” by
 Arthur K. Gilkey, 1958
 “Recent Climatic Variations, their Causes and Neogene Perspectives” by
 Maynard M. Miller, 1985
 Barbara Talbot Goodell Fuller (b. 1927) & Abigail Fuller Cooke (b. 1954) 1994
 Mary Talbot Westergaard Barnes (b. 1927) 1994
 Peter Talbot Westergaard (b. 1931) 1994
 Lucy Wendland Goodell (b. 1933 d. 1966) & Ellie Roberta Brown (b. 1933) 1994
 Oversized Talbot Family Photos (*located in the Oversized section with the diplomas and certificates*)
 Picture of Royal Gorge, CO, with train, taken by Herbert Talbot Gilkey
 Picture of Georgetown, CO, with train, taken by Herbert Talbot Gilkey
 Illinois Industrial University Class of 1881 (including Arthur Newell Talbot)

Box 13:

Talbot Symposium Papers 1994-1995

Talbot Symposium - April, 1994
 contains correspondence from Dr. Albert J. Reinschmidt
 Address List for Talbot Symposium Attendees 1994
 Symposium Meals and Lodging Arrangements 1994

Family Tree, Addresses and Phone Numbers 1994
 Arthur Newell Talbot Symposium Proceedings, Draft, August 1994
 Photographs used in Talbot Symposium Proceedings 1994
 Sample Prints of Photographs from Talbot Symposium Proceedings 1994
 Talbot Symposium Photographs, by Chuck Mercer 1994
 Letters sent to Symposium Attendees 1995
 Thank You Letters from Symposium Attendees 1994-95
 Leighton Collins 1994
 UI Foundation Information 1994

Box 14:

Information Packet From the Talbot Symposium, April 1994
Arthur Newell Talbot: proceedings of a conference to honor TAM's first department head and his family, April 1994. By James W. Phillips. August 1994.
Celebrating TAM's First 100 Years: a history of the Department of Theoretical and Applied Mathematics. By James W. Phillips. April 1990, Reprinted February 1995.
Stresses in Railroad Track – The Talbot Reports. The reprinted reports of the Special Committee on Stresses in Railroad Track 1918-1940. Prof A. N. Talbot, Chairman. 1980.
K2: The Savage Mountain. Charles S. Houston and Robert H. Bates. 1954, 1995.
New Jersey: A Guide to the State. Barbara Westergaard. 1987
The Railway Transition Spiral by A. N. Talbot. 6th edition. 1901, 1927. Talbot's personal copy.

Box 15:

Photographic Slides used by James Phillips at the Talbot Symposium, April 1994

3 Microcassettes

 Interviews by James Phillips from Talbot Symposium
 Recording of a lecture by Dr. Albert J. Reinschmidt, April 1994

Medals Awarded to A. N. Talbot:

 Henry C. Turner Medal, 1928
 American Concrete Institute, Undated
 John Fritz Medal, 1937

Railroad Track Measurement Device owned by Arthur Talbot ca. 1900

Oversized Listing:

State of Illinois, Illinois National Guard, Captain's Commission, 1881 (Oversized)
 The Concrete Institute, Honorary Member, 1913 (Oversized)
 University of Pennsylvania, Doctor of Science, 1915 (Oversized)
 University of Michigan, Doctor of Engineering, 1916 (Oversized)

Institution of Civil Engineers, Membership, 1921 (Oversized)
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American Society for Testing Materials, Philadelphia, Edgar Marburg Lecture, 1926
(Oversized)
Masarykova Akademie Prace (Prague, Czech Republic), Honorary Member, 1927
(Oversized)
The Franklin Institute of Pennsylvania, George R. Henderson Medal for the Railway
Transition Spiral, 1931 (Oversized)
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Phi Kappa Phi, Membership in University of Illinois chapter, 1935 (Oversized)
American Railway Engineering Association, Honorary Membership (Oversized)

Photographs

Picture of Royal Gorge, CO, with train, taken by Herbert Talbot Gilkey
Picture of Georgetown, CO, with train, taken by Herbert Talbot Gilkey
Illinois Industrial University Class of 1881 (including Arthur Newell Talbot)