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Guide to the Ernest J. Wilczynski Papers 1892-1931



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Descriptive Summary

Identifier	ICU.SPCL.WILCZYNSKI
Title	Wilczynski, Ernest J. Papers
Date	1892-1931
Size	25.25 linear ft. (44 boxes)
Repository	Special Collections Research Center University of Chicago Library 1100 East 57th Street Chicago, Illinois 60637 U.S.A.

Abstract Ernest Julius Wilczynski (1876-1932) Mathematician. Department of Mathematics, University of Chicago, 1910-1926. Contains correspondence, notebooks from courses taken at the University of Berlin, biographical material, off-prints, and memorabilia. Correspondents include Oskar Bolza, L.E. Dickson, E.H. Moore, George Comstock, Henri Villat, Edward Van Vleck, and others. Also includes notes taken in classes taught by Wilhelm von Bezold, Wilhelm Julius Forster, Carl Stumpf, Hans Delbruck, Immanuel Fuchs, Max Planck, Hermann Amandus Schwarz, and Julius Scheiner.

Information on Use

Access

Series VII includes evaluative student materials that are restricted until 2033 and family medical and financial records that are restricted indefinitely. The remainder of the collection is open for research.

Citation

When quoting material from this collection, the preferred citation is: Wilczynski, Ernest J. Papers, [Box #, Folder #], Special Collections Research Center, University of Chicago Library

Biographical Note

Ernest Julius Wilczynski (1876-1932) joined the faculty of the Department of Mathematics at the University of Chicago in 1910 as an associate professor. He was promoted to professor in 1914, but ill health forced him into premature retirement in 1923 He was named professor emeritus in 1926.

Wilczynski was born in Hamburg, Germany. Shortly after he began school, his parents immigrated to the United States and settled in Chicago. It was in Chicago that Wilczynski completed his elementary and secondary education. In 1893, he enrolled at the University of

Berlin, receiving his doctorate in mathematics in 1897 at the age of twenty-one. Unable to find an academic position, Wilczynski spent a year working for the Office of the Nautical Almanac in Washington, D. C. In 1898, he was appointed instructor in mathematics at the University of California at Berkeley, becoming an associate professor in 1906. Between 1903 and 1905, Wilczynski traveled throughout Europe and the United States as a research associate for the Carnegie Institution. From 1907 to 1910 he taught mathematics at the University of Illinois.

Wilczynski began his career as a mathematical astronomer, though his interests soon shifted to geometry. He is regarded as the creator of projective differential geometry. The author of numerous books and articles, Wilczynski served as vice-president of the American Mathematical Society, a member of the council of the Mathematical Association of America, and an associate editor of the *Transactions of the American Mathematical Society*. He was named laureate of the Royal Belgian Academy in 1909 and was elected to the National Academy of Sciences in 1919.

Scope Note

The Wilczynski Papers are divided into six series.

Series I: Correspondence, has been divided into four subseries according to discrete periods of his career: 1892-1902, covering his studies in Berlin and early career at Berkeley; 1903-1906, documenting largely his work for the Carnegie Institution; 1907-1914, dealing with his years at the University of Illinois and early career at Chicago; 1915-1931, covering his final years.

Wilczynski's correspondence is largely incoming and has been arranged alphabetically within each sub-series. Correspondents include many of the more prominent American and European mathematicians and astronomers of the period, some of whom -- Oskar Bolza, L. E. Dickson, and E. H. Moore -- became his colleagues at Chicago. Of biographical interest is the correspondence with George Emery Hale which documents Wilczynski's early interest in astronomy and Hale's ongoing encouragement and advice (1:8-9).

Series II: Biographical Materials and Memorabilia, includes Ernest P. Lane's "Biographical Memoir of Ernest Julius Wilczynski, 1876-1932," as well as copies of Wilczynski's vita.

Series III: Notebooks, consists of notes Wilczynski took at courses in the University of Berlin, where he studied astronomy, mathematics, and physics with some of the most distinguished scientists of the day. Notes have been preserved for courses by, among others, Hans Battermann, Wilhelm von Bezold, Wilhelm Julius Forster, Carl Stumpf, Hans Delbruck, Immanuel Fuchs, August Kundt, Max Planck, Hermann Amandus Schwarz, and Julius Scheiner.

Series IV: Writings, contains articles published between 1895 and 1923 arranged chronologically. Most are offprints of published works, but several manuscripts are included.

Series V: Wilczynski family materials, consists of a large volume of correspondence and memories of the Wilczynski family. Much correspondence and material is in Italian. Correspondence takes place largely between the Wilczynski sisters, Massimilia (Mimi), Helen, Beatrice and their mother, Inez Macola from the early 1920s until the late 1990s. There is also correspondence with relatives in Italy and family friends. Memorabilia largely concerns the devotional Catholic life of the three sisters and their mother. They were intensely religious and expressed their religious devotion and love of each other through gifts of religious drawings, medallions, relics, small plaques, religious tracts, books, writings of the Saints, translations of religious texts from Italian, etc. In this regard, the present collection is of interest to historians seeking to understand Catholic religious life and its particular meaning to young women during the 20th century. The collection with its correspondence and memorabilia comprises a material cultural history of the Catholic faith. The collection also includes the sisters' educational materials, including materials for Italian language instruction.

There is also a large number of family photographs. These include many pictures of the Wilczynski sisters, their mother, and Italian relatives. There are also a few photographs from Ernest J. Wilczynski, their father, from his life in Berkeley during the 1890s before moving to Chicago.

Series VI consists of oversize materials and Series VII contains restricted materials.

Subject Headings

- Bezold, Wilhelm von
- Förster, Wilhelm Julius, 1832-1921
- Delbrück, Hans, 1848-1929
- Fuchs, L. (Lazarus), 1833-1902
- Comstock, George C. (George Cary), 1855-1934
- Bolza, O. (Oskar), 1857-1942
- Dickson, Leonard E. (Leonard Eugene), 1874-
- Moore, Eliakim Hastings, 1862-1932
- Planck, Max, 1858-1947
- Schwarz, Hermann Amandus, 1843-1921
- Scheiner, J. (Julius), 1858-1913
- Stumpf, Carl, 1848-1936
- Van Vleck, Edward Burr, 1863-1943
- Villat, Henri, b. 1879
- Wilczynski, E. J. (Ernest Julius), 1876-1932
- Mathematics
- Mathematicians

INVENTORY

Series I: Correspondence

Box 1

Folder 1

A

- Abbe, Cleveland, 1900-1909
- Abbott, M., 1910
- Abraham, M., 1906-1908
- Academie des Sciences, Institut de France, 1903
- Academie Royale de Belgique, 1909-1910
- Allardice, R., 1901
- Allison, Arch., 1914
- American Association for the Advancement of Science, 1910
- American Journal of Mathematics, 1920
- American Monthly Review of Reviews, 1906
- Arcari, Pavlo, 1908
- Armstrong, G.N., 1910
- Arnett, Trevor, 1925
- Associations, n.d.

Box 1

Folder 2

American Mathematical Society

Box 1

Folder 3

B-BI

- Babcock, K., 1903
- Barnard, E., 1897
- Battermann, H., 1897
- Bauer, L., n.d.
- Becker, George, 1915
- Beeson, C., 1920
- Belardinelli, G., n.d.
- Benner, Henry, 1896
- Berwald, L., 1920
- Bianchi, L., 1906-1907
- Birkhoff, George, 1920
- Black, C., 1902
- Blake, E., 1900-1910
- Blichfeldt, H., 1902
- Bliss, G., 1910

Box 1

Folder 4

Bo-Bu

- Bocher, Maxine, 1900
- Boggio, T., 1921

- Bolza, Oskar, 1910
- Bompiani, E., 1914
- Bonnheim, A., 1905
- Bonnheim, Joseph, 1997
- Borel, E, 1903
- Borghi, Luigi, n.d.
- Bossi, Elena, n.d.
- Bouton, Charles, 1900
- Brackett, F., n.d.
- Brendel, Martin, 1899
- Brown, E., 1900
- Brown, Theodore, 1928.
- Burnham, S., 1898

Box 1

Folder 5

C-Ch

- Calcaterra, Carlo, 1908
- California U., 1900
- Campbell, W., 1901
- Carll, Lewis, 1905
- Carnegie Institution, 1900-1910
- Castelnuovo, G., 1907
- Cestaro, 1908
- Chamberlin, E, 1909
- Chandler, S, 1897
- Chicago U., 1890-1920
- Child, J.A., n.d.
- Christy, S, 1905

Box 1

Folder 6

Co-Cu

- Cohen, A, 1904
- Cole, F.N., 1908
- Columbia School Supply Company, 1913
- Comstock, George, 1897
- Coeplisz, Lina, 1905
- Cosmopolitan Club, 1908
- Craig, T, 1898
- Crawley, E, 1901
- Credaro, L, 1908
- Creutz, G. 1897
- Crew, Henry, 1897
- Curtis, D, 1908

Box 1

Folder 7

D-E

- Davis, Ellery, 1902
- DeLong, L., 1920
- Denton, M, 1908
- Deutsch, M, 1907
- Dickson, L, 1899-1909
- Downey, John, 1901
- Edgar, J.T., 1906-1910
- Eisenhart, L.P., 1909
- Ellis, D., 1906
- Epsteen, Saul, 1902
- Engler, E, 1899
- Ernst, 1898

Box 1

Folder 8

F

- Fano, Gino, n.d.
- Ferry, Frederick, 1905
- Fine, H., 1905
- Fiske, Thomas, 1903
- Flammer, E., 1907
- Foerster, 1893-1897
- Ford, Walter, n.d.
- Forsyth, A, 1906
- Frost, Edwin, 1898
- Fubini, G., 1919

Box 1

Folder 9

G

- Ginn and Company Publishers, 1905
- Giorgio, R, 1906-1910
- Green, Gabriel, 1890-1920
- Grimes, Nathan, 1910
- Gronwall, T, 1919

Box 1

Folder 10

H

- Hale, George, 1897-1920
- Hall, Arthur, 1909
- Hallett, Eugene, 1905
- Halsted, George, 1899
- Hardamard, J, 1908
- Hardesty, I, 1902
- Harzer, Paul, 1896
- Haskell, M, 1907
- Haskins, Charles, 1908
- Hedrick, E, 1905

- Hessenberg, n.d.
- Holden, Edward, 1897
- Holgate, Thomas, 1909
- Howe, H.A., 1897
- Hutchinson, J., 1907

Box 2

Folder 1

I-K

- Illinois U., 1907
- Irwin, Frank, 1909
- James, Edward, 1910
- Jordan, David, 1906
- Kasner, Edward, 1904
- Kellner, Frank, n.d.
- Kennard, Joseph, 1903
- Keyser, C.J., 1910
- Knopf, Otto, 1894
- Krueger, Albert, 1894

Box 2

Folder 2

L-Le

- Landau, 1903.
- Lane, Ernest, 1919-1926
- Laser, Arthur, 1906-1919
- Laser, Carl, 1906
- Lasery, John, 1920
- Laves, Kurt, 1931
- Lawton, George, 1897
- Lefschetz, S, 1915
- Lehmer, D., 1915
- Lemke, H, 1897
- Lestzikes, Keith, 1897
- Leushchner, A, 1898
- Levi-Civita, T, 1909
- Levin, F, 1907

Box 2

Folder 3

Li-Lu

- Ling, George, 1905
- Lindquist, Thomas, 1905
- Little, C., 1902
- Lipke, Joseph, 1908
- Lovett, E., 1902
- Lovitt, W, 1910
- Ludendorf, H, 1894

Box 2

Folder 4

M

- Maschke, H, 1900
- Manning, M, 1902
- Margolis, Max, 1903-1904
- Marrusch, A, 1897
- Marx, Erich, 1898-1899
- Mason, Max, 1910
- Mathews, R, 1910
- Mathematics Association, 1920
- McDonald, J, n.d.
- Messow, 1923
- Mittag-Leffler, G, 1921
- Moreno, Halcott, 1902
- Morley, Frank, 1907
- Morrison, F.M., 1915
- Moulton, F, 1898-1899

Box 2**Folder 5**

Miller, G. A., 1900-1921

Box 2**Folder 6**

Moore, E. H., 1900-1910

Box 2**Folder 7**

N-O

- Nash, Paul, 1906
- National Academy of Sciences, 1919-1921
- National Geographic Society, 1916
- Nautical Almanac Office, 1897
- Nelson, Alfred, 1920-1921
- Newcomb, S, 1899
- Nutting, P, n.d.
- Olson, Horace, 1918-1921
- Oregon U., 1902
- Osgood, William, 1909

Box 2**Folder 8**

P

- Page, J, 1903
- Palmero, M, 1907
- Pascal, Ernesto, 1916
- Perry, N, 1905
- Phillips, M, 1920
- Pierce, D, 1903
- Pierpont, J, 1909-1927

- Plummer, H, 1913
- Posche, T, 1915
- Prather, William, 1900
- Pritchett, Henry, 1898
- Putnam, T.M., 1903-1906
- Putzker, Albin, 1907

Box 2

Folder 9

R

- Ran, Frank, 1927
- Ranum, Arthur, 1910
- Ravin, Gustave, 1891
- Rees, J, 1897
- Rettger, E, 1902
- Rines, George, 1904
- Robinson, L, 1920
- Rosenwald, Julius, 1917
- Ross, F, 1900

Box 2

Folder 10

S-Si

- Schur, F, 1904
- Schlesinger, Frank, 1899
- Seares, Frederick, 1898
- See, F, 1897
- Segre, Corrado, 1904-1906
- Shattuck, S, 1905
- Shaw, S, 1921
- Shively, L, 1918
- Sigma Xi, California Chapter, n.d.
- Sisam, Charles, 1909

Box 2

Folder 11

Sl-Sz

- Slate, Frederick, 1920
- Slaught, H.E., 1926
- Smith, David, 1909
- Snow, Charles, 1905
- Snyder, Virgil, 1907
- Spinello, Mario, 1903
- Spunar, Val, 1910
- Stone, Ormond, 1899
- Stouffer, E, 1920
- Straneo, Paulo, 1915
- Stringham, Irving, 1901
- Strong, Wendell, 1905

- Szywicki, 1918

Box 3

Folder 1

T

- Tanner, J, 1909
- Teuber, B.G., 1915
- Townley, Frances, 1906
- Townsend, E, 1906
- Tyler, N, 1904

Box 3

Folder 2

V

- Van Vleck, Edward, 1905
- Villat, Henri, 1922
- Vogel, H, 1918
- Volterra, V, 1919

Box 3

Folder 3

W-Z

- Wadsworth, F, 1898
- Wait, L, 1901
- Weitbrec, A.D., 1905
- Weitzenbock, D, 1920
- Wester, C, 1911
- Western University, 1918
- Wheeler, B, 1899
- Wheelock, G, 1905
- White, Henry, 1907
- Whittaker, Edmond, n.d.
- Wilczynski, Arthur, 1906-1916
- Wilczynski, Ernest, from unknown, 1906
- Wilkinson, W, 1905
- Wilmer, Frank, 1920
- Wood, Frank, 1920
- Young, Archer, 1908
- Zahler, Rudolf, n.d.
- Zappettini and Perasso, n.d.
- Ziwek, A, 1900

Box 3

Folder 4

Letters to E.W. from his mother, 1898-1901

Box 3

Folder 5

Unknown Correspondence

Series II: Biographical Data and Memorabilia

Box 3

Folder 6

Miscellaneous Memorabilia

- "Biographical Memoir of Ernest Julius Wilczynski, 1876-1932,) by Ernest P. Lane
- Ernest Julis Wilczynski Biography in Annuario Biografico del Circolo Matematico di Palermo, 1928
- Unknown article on Ernest Julis Wilczynski (2 copies)
- National Progressive Convention, Aug. 5, 1912 ribbon for the Assistant Sergeant-at-Arms
- \$1 receipt for a contribution to the Progressive Party in the 1912 campaign
- Poster in Latin for the conference of awards and honors, including Ernest Julius Wilczynski
- Poster in German for a celebration of Dr. Wilhelm Foerster.
- Envelope of various calling cards.
- 'Reminiscences of Mathematics at Chicago: A Distinguished Former Faculty Member Provides Some Glimpses of the Behind-the-Scenes Workings of Academe.' U. of C. Magazine, Fall 1976
- Pantorium Fine Tailoring Receipt, Berkeley CA
- Allyn and Bacon, Boston, Report of Sale: Plane Trig with Applications
- EJW Obituary, Science, 1932

Box 3

Folder 7

Clippings collected by EJW

Box 3

Folder 8

Bibliographic Notes taken by EJW

Box 3

Folder 9

Notes re: EJW Papers

Series III: Notes and Notebooks

Box 3

Folder 10

Handwritten Notes from Addresses by EJW

Box 3

Folder 11

Unpublished Writings

- 'Transformation of Conjugate Nets'
- 'Surfaces With Geodesics Belonging to Linear Complexes'
- 'Unpublished Paper on Integral Equations'

Box 3

Folder 12

Unpublished Writings

- 'Rotation of a Fluid'
- 'On the Theory of Saturn's Ring'
- 'Transformation of Isothemally Conjugate Nets.' (2 copies)

- 'Differential Equations'

Box 3

Folder 13

Notes

- 'Recent Studies'
- 'An Un-canonical Form of the Equation for the Recalculating Cubic of a Space Curve'
- 'Net Det. By Osculating Curves'
- "Project of a Theory of Surfaces'
- 'Transformation of the Factors of Covenant C'
- 'Dartmx Curves Given'
- 'Integral Conditions for a Surface'
- 'Theory of Complexes based on a System of the Form'
- 'Collection of Sphere into itself'
- "Effect of Independent Linear Transformation'

Box 4

Folder 1

Misc. Notes (1 of 5)

Box 4

Folder 2

Misc. Notes (2 of 5)

Box 4

Folder 3

Misc. Notes (3 of 5)

Box 4

Folder 4

Misc. Notes (4 of 5)

Box 4

Folder 5

Misc. Notes (5 of 5)

Box 4

Folder 6

Astrometrie, 1893, Professor [Wilhelm Julius] Foerster, 3 vols

Box 4

Folder 7

Analytische Geometrie, 1893, Professor Schlesinger, 3 vols

Box 5

Folder 1

Integralrechnung, 1893/4, Professor [Kurt] Hensel, 3 vols

Box 5

Folder 2

[High School Chemistry notes, North Division High School, Chicago, Illinois, n.d., 34 pp] Bound into Vol 1 of: Anorganische Experimentlchemie, 1893/4, Professor Fischer, 2 vols

Box 5

Folder 3

Notebooks, 1893-1894

- Aberration & Parallaxe, 1893/94, Professor [Wilhelm Julius] Foerster, 1 vol;
Geographische Ortsbestimmung, 1893/94, Professor [Wilhelm Julius] Foerster, 2 vols
- Geographische Ortsbestimmung, partial fair copy, 1 vol

Box 5

Folder 4

Notebooks, 1893-1894

- Differentialrechnung, 1893, Professor Hettner, 2 vols
- Methode der Kleinsten Quadrate, 1893, Professor Lehman-Filkes, 1 vol
- Experimental Physik II, 1894, Professor [August] Kundt, 1 vol

Box 5

Folder 5

Notebooks, 1894

- Bestimmung der Doppelsternbahnen, 1894, Professor Lehman-Filkes, 1 vol
- Einleitung in die Theorie der Differentialgleichungen, 1894, Professor [Immanuel] Fuchs, 1 vol

Box 5

Folder 6

Ueber die Methoden die Bahnen von Cometen & Planeten zu bestimmen, 1894, Professor Tietjen, 2 vols

Box 6

Folder 1

Notebooks, 1894

- Fehlertheorie, 1894, Professor [Wilhelm Julius] Foerster, 1 vol
- Zeit & Winkelmessungen, 1894, Professor [Wilhelm Julius] Foerster, 1 vol

Box 6

Folder 2

Notebooks, 1894-1895

- Dioptrik, 1894, Professor Lehman-Filkes, 1 vol
- Astro-Physik, 1894/95, Professor [Julius] Scheiner, 1 vol
- Psychologie, 1894/95, Professor [Carl] Stumpf, unbd., 34 pp

Box 6

Folder 3

Notebooks, 1894-1895

- Mechanik, 1894/95, Professor [Max] Planck, 1 vol
- Professor Lehman-Filkes, 1 vol

Box 6

Folder 4

Bestimmung der Bahnen von Cometen & Planeten, 1895, Notebooks, 1895

- Theoretische Meteorologie, 1895, Professor [Wilhelm] von Bezold, 1 vol
- Astronomisches Seminar, 1895, Professor [Wilhelm Julius] Foerster, 1 vol

Box 6

Folder 5

Notebooks, 1895-1896

- Astronomisches Seminar, 1895/96, Professor [Wilhelm Julius] foerster, 1 vol
- Theorie der Abel'schen Funktionen, 1895/96, Professor [Immanuel] Fuchs, 1 vol
- Rotation der Himmelskorper, 1896, Professor Lehman-Filkes, 1 vol

- Musikgeschichte, 1896, Professor [Max] Friedlander, 1 vol Bound with Deutsch Dichtung in d[er] Musik, 1896

Box 6

Folder 6

Notebooks, 1896

- Theorie der Strahlenbrechung, 1896, Professor Bauschinger, 1 vol
- Astronomisches Seminar, 1896, Professor Bauschinger, 1 vol
- Geschichte d[es] Alterthums, 1896, Professor [Hans] Delbruck

Box 7

Folder 1

Seminar, 1896, Professor Bauschinger, 1 vol Bound with Theorie der Finsternisse & Sternbedeckungen, 1896, Professor [Hans] Battermann.

Box 7

Folder 2

Notebooks, 1896-1897

- Variationsrechnung, 1896/97, Professor [Hermann Amandus] Schwarz, 1 vol
- Theoretische Physik V, 1897, Professor [Max] Planck, 1 vol

Box 7

Folder 3

Solid Geometry

Box 7

Folder 4

Notecards

Box 7

Folder 5

Berkeley Blue and Gold Yearbook, 1903

Series IV: Writings

Box 8

Folder 1

Journal de L'Ecole Polytechnique, 1880

Box 8

Folder 2

Dopplestein-Systeme-1893

Box 8

Folder 3

"Schmidt's Theory of the Sun," The Astrophysical Journal, 1:112-26. Jan. 1895

Box 8

Folder 4

"Hydrodynamical Investigations of the Solar Rotation," The Astrophysical Journal, 3:101-5. Aug. 1896

Box 8

Folder 5

"Outlines of a Theory of Spiral and Planetary Nebulae," The Astrophysical Journal, 3:97-100. Aug. 1896

Box 8

Folder 6

"Ueber die Rotationsbewegung der Sonne," *Astro. Nach.*, 142:133-6. Nov. 1896

Box 8

Folder 7

EJW Inaugural-Dissertation, 1897

Box 8

Folder 8

'On the Causes of the Sun's Equatorial Acceleration and the Sunspot Period,' *Popular Astronomy*, 1898

Box 8

Folder 9

"Theory of the Motion of the Spots on Jupiter," *The Astronomical Journal*, 19:61-3. July 1898

Box 8

Folder 10

"On the Causes of the Sun's Equatorial Acceleration and the Sun-Spot Period," *Publications of the Astronomical Society of the Pacific*, 10:97-99. May 1898

Box 8

Folder 11

"On the Causes of the Sun-Spot Period," *The Astrophysical Journal*, 7:124-30. Feb. 1898

Box 8

Folder 12

'On Continuous Binary Linearoid Groups, and the Corresponding Differential Equations and Functions.' *American Journal of Mathematics*, 1899

Box 8

Folder 13

"On an mn^2 Parameter Group of Linear Substitutions in mn Variables," *Proceedings of the California Academy of Sciences*, 3d series, 1:52-62, Nov. 1899

Box 8

Folder 14

"On Systems of Multiform Functions Belonging to a Group of Linear Substitutions with Uniform Coefficients," *American Journal of Mathematics*, 21:85-106. Feb. 1898

Box 8

Folder 15

"On Linearoid Differential Equations," *American Journal of Mathematics*, 21:354-366. Feb. 1899

Box 8

Folder 16

"Dynamics of a Nebula," *The Astronomical Journal*, No. 465, p. 67-70. Feb. 1899

Box 8

Folder 17

"A Generalization of Appell's Factorial Functions," *Bulletin of the American Mathematical Society*, 2d series, 5:379-85. May 1899

Box 8

Folder 18

"Poetry and Mathematics," *The University of California Chronicle*, 3:191-204. June 1900

Box 8

Folder 19

"On Continuous Binary Linearoid Groups, and the Corresponding Differential Equations and Functions," *American Journal of Mathematics*, 22:191-225. Oct. 1899

Box 8

Folder 20

"An Application of Group Theory to Hydrodynamics," *Transactions of the American Mathematical Society*, 1:339-52. July 1900

Box 8

Folder 21

"Transformation of Systems of Linear Differential Equations," *American Journal of Mathematics*, 23:29-36. March 1900

Box 8

Folder 22

"Invariants of Systems of Linear Differential Equations," *Transactions of the American Mathematical Society*, 2:1-24. Jan. 1901

Box 8

Folder 23

"Geometry of a Simultaneous System of Two Linear Homogeneous Differential Equations of the Second Order," *Transactions of the American Mathematical Society*, 2:343-362. Oct. 1901

Box 8

Folder 24

"Lazarus Fuchs," *Bulletin of the American Mathematical Society*, 2d series, 9:46-9. Oct. 1902

Box 8

Folder 25

"Reciprocal Systems of Linear Differential Equations," *Transactions of the American Mathematical Society*, 3:60-70, Jan. 1902

Box 8

Folder 26

"Covariants of Systems of Linear Differential Equations and Applications to the Theory of Ruled Surfaces," *Transactions of the American Mathematical Society*, 3:423-50. Oct. 1902

Box 8

Folder 27

"The First Meeting of the San Francisco Section of the American Mathematical Society," *Bulletin of the American Mathematical Society*, 2d series, 8:429-37. July 1902

Box 8

Folder 28

"Forsyth's Differential Equations," *Bulletin of the American Mathematical Society*, 2d series, 10:86-93. Nov. 1903

Box 8

Folder 29

"On a Certain Congruence Associated with a Given Ruled Surface," *Transactions of the American Mathematical Society*, 4:185-200. April 1903

Box 8

Folder 30

Stenographic Report of the Conference of the Relation of the College to the Professional School, Northwestern University, 1903

Box 8

Folder 31

"A Functional Theorem in the Theory of Ruled Surfaces," *Mathematical Annalen*, 58:249-56. 1903

Box 8

Folder 32

'Invariants of a System of Linear Partial Differential Equations and the Theory of Congruences of Rays,' *American Journal of Mathematics*, 1904

Box 9

Folder 1

"On Self-Dual Scrolls," *Bulletin of the American Mathematical Society*, 11:8. Oct. 1904

Box 9

Folder 2

"Studies in the General Theory of Ruled Surfaces," *Transactions of the American Mathematical Society*, 5:226-52. April 1904

Box 9

Folder 3

"On Ruled Surfaces Whose Flecnode Curve Intersects Every Generator in Two Coincident Points," *Transactions of the American Mathematical Society*, 5:438-46. Oct. 1904

Box 9

Folder 4

"Invariants of a System of Linear Partial Differential Equations, and the Theory of Congruences of Rays," *American Journal of Mathematics*, 26:319-60. 1904

Box 9

Folder 5

"General Theory of Curves on Ruled Surfaces," *Transactions of the American Mathematical Society*, 6:75-82. Jan. 1905

Box 9

Folder 6

"General Projective Theory of Space Curves," *Transactions of the American Mathematical Society*, 6:99-133. April 1905

Box 9

Folder 7

"The General Projective Theory of Space Curves and Ruled Surfaces," *Verhandlungen Des Dritten Internationalen Mathematiker-Kongresses*, 8:361-5. 1905

Box 9

Folder 8

Verhandlungen des Dritten Internationalen Mathematiker-Kongresses, 1905

Box 9

Folder 9

"Projective Differential Geometry," *Bulletin of the American Mathematical Society*, 13: 102-5. Dec. 1906

Box 9

Folder 10

"Projective Differential Geometry of Curved Surfaces (First Memoir)," Transactions of the American Mathematical Society, 8:233-60. 1907

Box 9

Folder 11

"Projective Differential Geometry of Curved Surfaces (Second Memoir)," Transactions of the American Mathematical Society, 9:79-120. 1908

Box 9

Folder 12

"Projective Differential Geometry of Curved Surfaces (Third Memoir)," Transactions of the American Mathematical Society, 9:293-315. July 1908

Box 9

Folder 13

Universite de Fribourg, Universitat Friburg, 1908

Box 9

Folder 14

"Projective Differential Geometry of Curved Surfaces (Fourth Memoir)," Transactions of the American Mathematical Society, 15:176-200. April 1909

Box 9

Folder 15

"Projective Differential Geometry of Curved Surfaces (Fifth Memoir)," Transactions of the American Mathematical Society, 15:279-296. July 1909

Box 9

Folder 16

"Mathematical Appointments in Colleges and Universities," Bulletin of the American Mathematical Society, 15:492-5. July 1909

Box 9

Folder 17

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Folder 18

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Folder 19

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Box 9

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Folder 1

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Folder 2

"Problem of 3 Bodies," Holograph MS. 6 pp

Box 10

Folder 3

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Folder 4

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Folder 5

"Some General Aspects of Modern Geometry," Bulletin of the American Mathematical Society. April 1913

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Folder 6

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Folder 7

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Folder 8

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Folder 11

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Folder 12

"Conjugate Systems of Space Curves with Equal LaPlace-Darboux Invariants,"
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Box 10

Folder 13

"Some Remarks on the Historical Development and the Future Prospects of the
Differential Geometry of the Plane Curve," Bulletin of the American Mathematical
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Box 10

Folder 14

"Interpretation of the Simplest Integral Invariant of Projective Geometry," Proceedings of
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Folder 15

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Folder 21

"Geometrical Significance of Isothermal Conjugacy of a Net of Curves," American Journal
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Folder 22

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Folder 23

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Box 11

Folder 1

"A Set of Properties Characteristic of a Class of Congruences Connected with a Theory of Functions," Transactions of the American Mathematical Society, 21:409-45. 1920

Box 11

Folder 2

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Folder 3

"The Chicago Meeting of the American Mathematical Society," Bulletin of the American Mathematical Society, 27:297. 1921

Box 11

Folder 4

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Box 11

Folder 5

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Box 11

Folder 6

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Box 11

Folder 7

"Some Generalizations of Geodesics," Galley sheets.

Box 11

Folder 8

"Some Properties of the Surfaces which Represent the Real and Imaginary Components of a Function of a Complex Variable," Bulletin of the American Mathematical Society, 28:162-3. 1922

Box 11

Folder 9

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Folder 10

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Box 11**Folder 11**

"Differential Properties of Functions of a Complex Variable which are Invariant under Linear Transformations, Holograph MS., 95 pp

Box 11**Folder 12**

"Differential Properties of Functions of a Complex Variable which are Invariant under Linear Transformations," Holograph MS., 108 pp

Box 11**Folder 13**

"Differential Properties of Functions of a Complex Variable which are Invariant under Linear Transformations," Typewritten MS., 94 pp

Box 11**Folder 14**

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Box 11**Folder 15**

Logarithmic and Trigonometric Tables, Wilczynski and Slaught. Allyn and Bacon, 1914

Box 12**Folder 1**

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Box 12**Folder 2**

College Algebra With Applications. Wilczynski and Slaught. Norwood Books, 1916;
Projective Differential Geometry of Curves and Ruled Surfaces, Wilczynski

Box 12**Folder 3**

Mathematical Publications by Other Authors (1 of 2)

- "Formeln Nebst Rechnungsschema für die Berechnung einer Planetenbahn aus drei vollständigen Beobachtungen." 1894
- "Ueber den Verlauf einer Sonnenfinsterniss in höheren Atmosphärenschichten nebst Andwendung, August 1896"
- "Bericht das Akademischen Vereins für Astronomie und Physik, 22 bis 31 Semester"
- "Ueber die Mars und Jupiterstorungen der Kleinen Planeten vom Hebe-Typus", May 1897
- "Merchiston Castle and John Napier," 1912-1913
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Box 12**Folder 4**

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- "American Mathematical Monthly," December 1914
- "Science," Friday Jan 20, 1939
- Questionnaire re: J.C. Poggendorff, n.d.

- "Conjugate Systems of Space Curves with Equal Laplace-Darboux invariants,"
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- "Forsyth's Differential Equations," Bulletin of the American Mathematical Society,
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Series V: Wilczynski Family Materials

Subseries A: Correspondence

Mostly between daughters-Mimi, Helen, and Beatrice-and with their mother, Ines, EJW's widow

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Folder 1-3

Correspondence, 1920s-1930s

Box 14

Folder 1

Correspondence, 1940s

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Folder 2-3

Correspondence, 1950s

Box 15

Folder 1-4

Correspondence, 1960s

Box 16

Folder 1

Correspondence, 1960s (4 of 4)

Box 16

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Correspondence, 1970s (1 of 2)

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Correspondence, 1970s (2 of 2)

Box 16

Folder 4

Correspondence, 1980s-1990s (1 of 3)

Box 17

Folder 1

Correspondence, 1980s-1990s (2 of 3)

Box 17

Folder 2

Correspondence, 1980s-1990s (3 of 3)

Box 17

Folder 3

Undated Correspondence (1 of 4)

Box 18

Folder 1-3

Undated Correspondence

Subseries B: Educational Materials

Box 19

Folder 1

Notebook of Various Studies in Italian

Box 19

Folder 2

Education and Employment Related Materials for Helen Wilczynski, 1935-1952

Box 19

Folder 3

Misc. Offprints and Diploma from 1970s

Box 19

Folder 4

Dante, Topographical Morale

Box 19

Folder 5

Studies in Italian and Math

Box 19

Folder 6

Various Papers on Mathematics

Box 19

Folder 7

Essay on Dante, Draft by Massilima Wilczynski

Box 20

Folder 1

Exercise Books from Educational Lessons given by the Wilczynski sisters, 1920s and 30s

Box 20

Folder 2

Essays by Agnes Wilzynski and offprint on Dante

Box 20

Folder 3

Misc Notes in Italian

Box 21

Folder 1

Drafts and Notes for Short Story

Box 21

Folder 2

Literary Journal, "Forest Leaves," Exercise Books from class, "Oscendere" Magazine

Box 21

Folder 3

Exercise books from Educational Lessons

Box 21

Folder 4

Handwritten Manuscript regarding Italian Language Instruction

Box 22

Folder 1

Italian language instruction texts and related material

Box 22

Folder 2

Class notes, Essays in French, Italian, Pedagogy, English literature

Box 22

Folder 3

Notecards for research, Offprints, 1940s

Box 23

Folder 1

Notes for a book on Italian Civilization (1 of 2)

Box 23

Folder 2

Notes for a book on Italian Civilization (2 of 2)

Box 23

Folder 3

Italian Instruction Related Offprints, 1940s

Box 23

Folder 4

Offprints of "Cimut ca un Predi," by Massimilia Wilczynski, 1950

Box 23

Folder 5

Handwritten draft of Thesis with notecards

Box 24

Folder 1

Misc. Essays by Helen Wilczynski, 1930-1959

Box 24

Folder 2

Draft of Master's Thesis on Cretian's Yvain, 1930s

Box 24

Folder 3

"Forest Leaves" Literary Magazine from Barat College, 1935-1936

Box 24

Folder 4

Italian Language Instruction

Box 25

Folder 1

Essays in Composition, 1930s

Subseries C: Personal and Religious Materials

Box 25

Folder 2

Travel books, Calendar, 1960s

Box 25

Folder 3

Bank records, old bank books, passports, birth and death certificates

Box 26

Folder 1

Small notebooks, misc. correspondence, religious cards, tracts-1939-1960

Box 26

Folder 2

Various personal notebooks, religious pamphlets, 1940s-1960s

Box 26

Folder 3

Travel guides for European pilgrimages

Box 27

Folder 1

Scrapbook, "Shrine of the Little Flower"

Box 27

Folder 2

Religious books and Notebooks, 1940s

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Folder 3

Poems, essays, stories by Agnes, Beatrice, and Massimillia Wilczynski

Box 27

Folder 4

Notes for a story

Box 27

Folder 5

"Pure Flight," an essay by M. Wilczynski

Box 28

Folder 1

Il Contributo dell'Italia Alla Civiltà

Box 28

Folder 2

Untitled Essay in Italian

Box 28

Folder 3

Wilczynski sisters' translation of "Saint Francis of Assisi and his Humble Folk," 1950s

Box 28

Folder 4

Address books

Box 28

Folder 5

Old passports, 1926-1982

Box 29

Folder 1

Religious Offprints

Box 29

Folder 2

Materials re; M. Wilczynski Radio Broadcast

Box 29

Folder 3

Italian Atlas, 1930s

Box 30

Folder 1

Diploma, Convocation Program, M. Wilczynski

Box 30

Folder 2

A Critical History of the Dating of the Divine Comedy, M. Wilczynski

Box 30

Folder 3

A Discussion of the Sources and Analogues of Chretien's Yvain, M. Wilczynski

Box 30

Folder 4

Newspaper Clippings and Offprints, 1930-1960s

Box 30

Folder 5

Religious notebooks, small personal notebooks, 1930s-1984

Box 31

Folder 1-3

Personal Notebooks

Box 32

Folder 1

Misc. Personal and Religious Materials (1 of 6)

Box 32

Folder 2

Misc. Personal and Religious Materials (2 of 6)

Box 32

Folder 3

Misc. Personal and Religious Materials (3 of 6)

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Misc. Personal and Religious Materials (4 of 6)

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Misc. Personal and Religious Materials (5 of 6)

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Misc. Personal and Religious Materials (6 of 6)

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Books

Box 36

Books

Subseries D: Photographs and Artifacts

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Misc. Photographs (3 of 5)

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Folder 2

Misc. Photographs (4 of 5)

Box 38

Folder 1

Misc. Photographs

Box 38

Folder 2-4

Photo Album

Box 39

Folder 1

Promotional black and white photograph of a Catholic cardinal, 1914

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Folder 2

Misc. Photographs (1 of 5)

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Folder 3

Misc. Photographs (2 of 5)

Box 40

Two postcard albums and two notebooks

Box 41

Small wooden objects (4)

Box 41

Religious medallions

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Ribbons

Box 41

Film

Box 41

Jewelry

Box 41

Rosary beads

Box 41

Notecards

Box 42

Cotton flag, Linen towel

Box 42

Mathematical instruments

Box 42

Miniature shrines (2)

Box 42

Colored pencils

Box 42

Small leather wallet

Box 42

Tableaux celebres; jeu de quaternes

Box 42

Cassette tape

Box 42

Office supplies

Series VI: Oversize

Box 43

Folder 1

Christmas cards from the Maynard Hutchins family

Box 43

Folder 2

Oggi, Supplement v. 24, n. 14

Box 43

Folder 3

Misc. copies of newspapers, clippings, and religious memorabilia

Box 43

Folder 4

E.J. Wilczynski announcements

Box 43

Folder 5

M. Wilczynski diplomas

Box 43

Folder 6

E.J. Wilczynski, diplomas, 1902-1929

Box 43

Folder 7

Poem, undated

Box 43

Folder 8

Posters, undated

Series VII: Restricted Materials

Box 44

Folder 1

Transcript, M. Wilczynski

Box 44

Folder 2

Insurance information