

# Finding Aid for the William H. Roever Collection

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## **Descriptive Summary**

Repository: University Archives, Department of Special Collections, Washington University Libraries, One Brookings Drive, Campus Box 1061, St. Louis, MO 63130, Telephone: (314) 935-5444 or (314) 935-9730, Fax (314) 935-8320, e-mail: [spec@wumail.wustl.edu](mailto:spec@wumail.wustl.edu), website: <http://library.wustl.edu/units/spec/archives>

Creator: William H. Roever.

Title: William H. Roever Collection.

Dates: 1885 – 1945.

Quantity: 3.0 linear feet.

Language: English, Italian, German.

## **Biographical Note**

William Henry Roever was born on May 16, 1874 in St. Louis. He received a degree in Mechanical Engineering from Washington University in 1897, and then went to Harvard University, where he earned an A.M. in 1904 and his Ph.D. in 1906. Roever initially taught Astronomy at Washington University from 1899 until 1901. He then went to teach at the Massachusetts Institute of Technology from 1905 to 1908 before coming back to Washington University in 1908 to teach mathematics. Roever was the founder and first president of Pi Mu Epsilon, the mathematical honor society at Washington University, and later became the Chairman of the Department of Mathematics. He died on January 31, 1951 in St. Louis.

## **Scope and Content Notes**

The collection consists entirely of published material and dissertations, some by Roever and some by others. The materials are arranged alphabetically by author.

## **Administrative Information**

### **Source of Collection**

This material was transferred to University Archives from the Mathematics Library in 1992 and 1994.

### **Accruals**

There are no accruals.

### **Processing Information**

Compiled by Sarah Pabarcus in January 2006.

## **Restrictions**

### **Access Restrictions**

There are no restrictions to access.

### Use Restrictions

Users of the collection must read and abide by the Rules for the Use of University Archives Materials.

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### Collection Contents

Box No.	Folder
01	Unidentified Author, International Mathematical Congress at Zurich, 1932
	Angel, Henry, Practical Plane Geometry and Projection - Volume II, Plates, no date (book)
	Barnett, I. A., Ph.D. Plane Analytic Geometry, Parts I and II, no date
	Beckenbach, E. F. and R. H. Bing, On Generalized Convex Functions, 1945 (reprint)
	Bilinsky, Solomon. Outline of a Theory of Functions of an Abstract Variable, 1934 (reprint)
	Birkhoff, Garrett. Lattice Theory, no date
	Bliss, G. A., Theory of Functions of Real Variables, no date
	Blumberg, Henry, On the Factorization of Expressions of Various Types, 1916 (reprint)
	Chang, Hung Chi, Transformation of Linear Partial Differential Equations, 1929 (reprint)
	Chessin, Alexander S. Sur la Toupie de Foucault, no date (reprint)
	Coolidge, J. L., Characteristic Numbers of a Real Algebraic Plane Curve, 1917 (reprint)
	De Prima, Charles and John Knudsen, Advanced Methods in Applied Mathematics, 1941

Del Re, A. Sulle Equazione Generali Per la Dinamica Negli Spazi ad "n" Dimensioni ed a Curvatura Costante, 1912 (reprint)

Dodd, Edward L. Justification of Empirical Probability Based on an Undetermined A Priori Probability, 1913 (reprint)

Dunford, Nelson, Uniformity in Linear Spaces, 1938 (reprint)

Engler, Edmund A. The Geometry of the Cone of Revolution - Text, May 14, 1892 (book)

Engler, Edmund A. List of Books in His Library; Notebook - "References", 1926, n.d.

Ettlinger, H. J., Advanced Calculus, 1922

Ettlinger, H. J. On the Integrability of a Continuous Function, 1924 (reprint)

Ewing, George. Contribution to the Theory of Discontinuous Solutions in the Calculus of Variations, 1935 (reprint)

Friedrichs, Kurt and Irving Ritter. Advanced Courses in Applied Mathematics - Fluid Dynamics, 1941

Gottlieb, M. J. Concerning Some Polynomials Orthogonal on a Finite or Enumerable Set of Points, 1938 (reprint)

Graustein, W. C., Harmonic Minimal Surfaces, 1940 (reprint)

Graustein, W. C., Isometric W-Surfaces, 1924 (reprint)

Graustein, W. C. and B. D. Koopman. A Necessary and Sufficient Condition That Two Surfaces be Applicable, 1924 (reprint)

Gronwall, T. H., V. K. La Mer, and K. Sandved, Über den Einfluß der Sogenannten ... , 1928 (reprint)

Hagen, B. L. Quintuples of Three-Dimensional Varieties in a Four Dimensional Linear Space, 1930 (reprint)

Hancock, M. Harris. [Doctoral Thesis, University of Paris], 1901 (dissertation)

Heath, Thomas Edward. Tracks of the Sun and Stars, 1913 (dissertation)

Hedrick, E. R.. Mathematical Association of America, 1916 (reprint)

Hedrick, E. R. and Louis Ingold, Beltrami Equations in Three Dimensions, 1925 (reprint)

Holweck and Lejay, Portable Instrument for the Rapid Measurement of Geometry, 1930 (reprint)

Ingold, Louis, Functional Differential Geometry, 1912 (reprint)

Jones, Max, Student Notebook from Unidentified Class, 1913

Kanitani, Joyo, Sur les Particularisations du Repere Attache a une Courbe dans un Espace ... , 1935 (publication)

Kellogg, O. D., On the Derivatives of Harmonic Functions on the Boundary, no date (reprint)

Keyser, C. J. Charles Sanders Peirce as a Pioneer, 1935

Loria, Gino, On Certain Constructions of Descriptive Geometry, February 1919 (publication)

Loria, Gino. Scienze e Scienziati nel Periodo Della Rivoluzione Francese, 1915 (reprint)

McDonald, John Hector, On the System of a Binary Cubic and Quadratic..., 1901 (reprint)

McDonough, D. L., On the Expansion of a Certain Type of Determinant, 1931 (dissertation)

Mehlenbacher, Lyle E., Interrelations of the Fundamental Solutions of the Hypergeometric Equation, 1936 (dissertation)

Mitchell, Ulysses Grant, Geometry and Collineation Groups of the Finite Projective Plane, 1910 (dissertation)

Mullikin, Anna, Certain Theorems Relating to Plane Connected Point Sets, 1923 (dissertation)

Musselman, John Rogers, Set of Eight Self-Associated Points in Space, 1916 (reprint)

Oldenburger, Rufus, Rational Equivalence of a Form to a Sum of the  $p$ th Powers, 1938 (reprint)

Olshausen, George R. Uber die Unipolarrotation ... , 1901 (dissertation)

Osgood, William. Condition That a Function in a Projective Space be Rational, 1912 (reprint)

Osgood, William and Edson Taylor, Conformational Transformations on the Boundaries of their Regions of Definition, 1913 (reprint)

Rider, Paul, On the Minimizing of a Class of Definite Integrals, 1922 (reprint)

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Roever, William H., Advanced Calculus, 1933

Roever, William H., Brilliant Point Phenomena, 1921 (publication)

Roever, William H., Brilliant Points and the Loci of Brilliant Points, April 1902 (reprint)

Roever, William H. Collegiate Mathematics for War Service: Some Drawings and Graphical Solutions in Navigation, November 1918 (publication)

Roever, William H. [Comments on the Deviation of the Law of Perfect Gasses], no date

Roever, William H. Curve of Light in a Corrugated Dome, December 1913 (reprint)

Roever, William H. Descriptive Geometry and its Merits as a Collegiate as Well as an Engineering Subject, April 1918 (reprint)

Roever, William H., Deviations of Falling Bodies, 1910-1915 (reprint)

Roever, William H., Effects of the Earth's Rotation on the Range and Drift of a Projectile, January 29, 1943 (reprint)

Roever, William H. Fundamental Theorems of Orthographic Axonometry and their Value in Picturization, 1941 (publication)

Roever, William H. A Geometric Derivation of a General Formula for the Southerly Deviation of Freely Falling Bodies, June 1915 (reprint)

Roever, William H. Geometric Description of the Halo on the Dome of the St. Louis Cathedral, 1920 (reprint)

Roever, William H. Geometric Explanation of a Certain Optical Phenomenon, March 1919 (reprint)

Roever, William H. Geometrical Constructions of the Lines of Force  
Proceeding from ..., June 30, 1896 (reprint)

Roever, William H. Graphical Constructions for a Function of a Function and  
for a Function ..., November 1916 (reprint)

Roever, William H. History of Mathematics at Washington University, 1947

Roever, William H. Math 5 Notes - Harvard, Folder 1, 1898

Roever, William H. Math 5 Notes - Harvard, Folder 2, 1898

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Roever, William H. Math 14A Notes - Folder 2, 1898

Roever, William H. Mathematics I Book - Notes , no date

Roever, William H. Method of Numerical Integration in Exterior Ballistics, no  
date

Roever, William H. Note on the Meridional Deviation of a Falling Body, July  
23, 1915 (reprint)

Roever, William H. Optical Interpretations in Higher Geometry, March 1914  
(reprint)

Roever, William H. Servants of Man's Progress - Manual Training School,  
1893

Roever, William H., Some Phases of Descriptive Geometry, Nov.-Dec. 1925  
(reprint)

Roever, William H. Some Recent Work on the Problem of the Deviations of  
Freely Falling Bodies, 1916 (reprint)

Roever, William H. Weight Field of Force of the Earth, 1940 (publication)

Roever, William H., William Chauvenet, 1925 (reprint)

Schwarz, H. A., Ueber Ein de Flächen Flächeninhalts ... , 1885 (reprint)

Sparks, E. W., Universal Quadratic Zero Forms in Four Variables, 1933  
(dissertation)

Stephens, Eugene, Symbolic Calculus, 1925 (reprint)

Stoker, J. J., Bending and Buckling of Elastic Plates, 1941

Stoker, J. J. and A. S. Peters, Non Linear Vibrations, 1939-1942

Szego, Gabor, Mathematics, Equations, Integrals, 1934-1938

von Hunyady, Eugen. Ueber Die Fundamentaln Eigenschaften der Algebraischen Curven, 1864 (dissertation)

Weber, E., Advanced Courses in Applied Mathematics - Transient Analysis of Electrical Networks, 1941

White, Henry S. Abel'sche Integrale auf Singularitätenfreien Eifach ..., 1891 (dissertation)

White, Henry S. Poncelet Polygons, 1916 (reprint)

Wilson, Edwin B., Oblique Reflections and Unimodular Strains, 1907 (reprint)

03 Elements of Mechanical Engineering - Mechanical Drawings, Volume IV, 1897

Total Eclipse of the Sun - Report of the Washington University Eclipse Party, 1889 (book)

Engler, Edmund A. Geometry of the Core of Revolution - Plates, no date

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Loria, Gino, Storia della Gwometria Descritiva dale origini sino ai giorni nostril, 1921 (book)

Hasse, Helmut, Höhere Algebra, 1937 (book – 3 copies)

Fuchs, Analytische Mechanik, 1893-1894 (book)

Picard, Émile, Traité D'Analyse, 1891 (book)