

Robert E. Horton Papers

C.MSS.0066

Finding aid prepared by Jennifer Accavitti

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Describing Archives: A Content Standard

Albion College Archives and Special Collections
2004 September
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Table of Contents

<u>Summary Information</u>	3
<u>Biographical/Historical note</u>	4
<u>Scope and Contents note</u>	4
<u>Administrative Information</u>	5
<u>Collection Inventory</u>	7
<u>Publications</u>	7
<u>Manuscripts</u>	16
<u>Miscellaneous</u>	18

Summary Information

Repository	Albion College Archives and Special Collections
Title	Robert E. Horton papers
Date [bulk]	Bulk, 1917-1966
Date [inclusive]	1886-1979
Extent	1.0 Linear feet 1 box
Language	English
Language	The material is in English.

Preferred Citation

[item], folder, box, [Title], Archives and Special Collections, Stockwell-Mudd Library, Albion College.
Albion, MI.

Biographical/Historical note

Robert Elmer Horton was born in Parma, Michigan on May 18, 1875. He received a Bachelor of Science Degree from Albion College in 1897. Horton's interest and aptitude for Geophysical Studies resulted in his appointment as the New York District's Engineer of the U.S. Geological Survey in 1900. His studies of the New York waterways, as well as his experiments in infiltration, evaporation, interception, transpiration, and overland flow resulted in some of the most important publications for meteorologists of the era. His masterpiece of four laws detailing the prevention of erosion was published one month before his death on 1945 April 22.

Scope and Contents note

The **Robert E. Horton papers** consists of many different works; both published and unpublished, separated into three different series based on content. The series are then divided into several sub-series based on the author of the work.

The Horton Collection consists of three series, with four subseries in the first two series, and the last series merely containing a collection of miscellaneous artifacts.

Series I: Publications

Subseries I: By Horton

Section I: Hydrologic Cycle Materials: Reprinted for US Department of Agriculture: Weather Bureau
Section II: Publications in Journals Section III: Other Publications (Non-Journals)

Subseries II: By President Norris

Section I: Publications in Journals Section II: Other Publications (Non-Journals)

Subseries III: By Albion College Faculty

Section I: Publications in Journals Section II: Other Publications (Non-Journals)

Subseries IV: By Other

Series II: Manuscripts

Subseries I: By Horton Subseries II: By President Norris Subseries III: By Albion College Faculty
Subseries IV: By Other

Series III: Miscellaneous

Series Description

Publications

The By Horton subseries consists of published works by Robert E. Horton in journals as well as a special section devoted to his work for the United States Department of Agriculture Weather Bureau. The subseries is divided into three sections: Hydrologic Cycle Materials: Reprinted for US Department of Agriculture: Weather Bureau, Publications in Journals, and Other Publications (Non-Journals).

The By President Norris subseries features published works of Dr. Louis Norris, President of Albion College from 1960-1970. The subseries is divided into two sections: Publications in Journals and Other Publications (Non-Journals).

The By Albion College Faculty subseries consists of works published in both journals and non-journals by various members of the faculty. Similarly, this subseries is divided into two sections: Publications in Journals and Other Publications (Non-Journals).

The By Other subseries includes various published works by members with no obvious connection to the Albion College community, besides being a donated part of this collection.

Manuscripts

The By Horton subseries contains a number of unpublished scientific work and papers written by Mr. Horton.

The By President Norris subseries includes unpublished speeches and works of Dr. Louis Norris.

The By Albion College Faculty subseries features several items written but unpublished by Albion College Faculty members.

The By Other subseries consists of unpublished works by those outside the Albion College community.

Miscellaneous

This last series is simply labeled Miscellaneous as it contains various artifacts of the history of Albion College collected by Mr. Horton.

Administrative Information

Publication Information

Albion College Archives and Special Collections 2004 September

Conditions Governing Access

This collection is open for research.

Rights

The literary rights to this collection are assumed to rest with the person(s) responsible for the production of the particular items within the collection, or with their heirs or assigns. Researchers bear full legal responsibility for acquisition to publish from any part of said collection per Title 17, United States Code. The Albion College Special Collections Department may reserve the right to intervene as intermediary at its own discretion.

Collection Inventory

Series 1 Publications		
Subseries 1.1 By Horton		
	Box	Folder
<i>Additional Meteorological Data Needed by Engineers</i>	1	1
<i>Rainfall Interception</i>	1	1
<i>Correlation of Maximum Rain Intensities for Long and Short Time-Intervals</i>	1	1
<i>Cloudburst Rainfall at Taborton, N.Y., August 10, 1920 August 10, 1920</i>	1	1
<i>Vapor Pressure and Humidity Diagram and A Psychometric Chart for Determining the Dewpoint and Relative Humidity</i>	1	1
<i>Results of Evaporation Observations</i>	1	2
<i>Rainfall Interpolation</i>	1	2
<i>Accuracy of Areal Rainfall Estimates and Rainfall Duration and Intensity in India</i>	1	3

By Horton

<i>Group Distribution and Periodicity of Annual Rainfall Amounts</i>	1	3
<i>Transpiration By Forest Trees</i>	1	3
<i>Sub-Surface Drainage of Land by Tile</i>	1	4
<i>The Turbine Water Wheel as a Prime Mover</i>	1	4
<i>Diagram for Full Comparison of Hydraulic Turbines</i>	1	4
<i>Some Broader Aspects of Rain Intensities in Relation to Storm Sewer Design</i>	1	4
<i>The Measurement of Rainfall and Snow</i>	1	4
<i>Watershed Leakage in Relation to Gravity Water Supplies</i>	1	4
<i>Modern Developments of Hydraulic Turbine Design</i>	1	5
<i>Water Power (The Encyclopedia Americana Excerpt)</i>	1	5
<i>The Depletion of Ground-Water Supplies</i>	1	5
<i>Determining the Mean Precipitation on a Drainage Basin</i>	1	5
<i>Stream Gaging by the Current Meter</i>	1	5

By Horton

<i>The New Gravity Water Supply System of Albany, N.Y.</i>	1	5
<i>Water Diversion Between Drainage Basins</i>	1	5
<i>Primary Rainfall Types</i>	1	5
<i>List of Publications with Abstracts: Horton Hydrologic Laboratory</i>	1	5
<i>Central Station Redevelopment of Water Power</i>	1	5
<i>Hydrologic Research</i>	1	5
<i>Surface Runoff Phenomena: Part I Analysis of the Hydrograph February 1, 1935</i>	1	5
<i>Report of Hannacrois-Catskill Gravity Water Supply fir the City of Albany, N.Y.</i>	1	6
<i>Storm-Flow Prediction</i>	1	6
<i>The Role of Infiltration in the Hydrologic Cycle</i>	1	6
<i>The Relation of Hydrology to the Botanical Sciences</i>	1	6
<i>The Role of Snow, Ice and Frost in the Hydrological Cycle</i>	1	6
<i>Rainfall, Runoff, and Evaporation 1933</i>	1	6

By President Norris

Subseries 1.2 By President Norris

	Box	Folder
<i>The Neo-Realistic Criticism of Substance</i>	1	7
<i>Curricular Courses in Religion</i>	1	7
<i>Treasures in Heaven</i>	1	7
<i>The Church College Speaks</i>	1	7
<i>Is Science Explanatory?</i>	1	7
<i>When Dreams Fail</i>		
	Box	Folder
<i>Christianity- A Philosophy of History</i>	1	8
<i>Christianity and the Roots of Crisis</i>	1	8
<i>Christianity and Progress</i>	1	8
<i>Christians Can Be Great</i>	1	8
<i>God's Providence in History</i>	1	8
<i>Hindrances to Christian History</i>	1	8

By President Norris

Proceedings: The Ohio Conference on Character Education	1	8
<i>Teaching and the Philosophy of History</i>	1	9
<i>The Teacher as Profit</i>	1	9
<i>Values and the Non-Spiritual</i>	1	9
<i>Existence and its Polarities</i>	1	9
<i>Teaching For Fun</i>	1	9
<i>Problems in Christian Higher Education</i>	1	9
<i>A Philosophy of Health</i>	1	9
<i>How to Educate a Woman</i>	1	9
<i>What You Will Find at a Church College</i>	1	9
<i>In Praise of Maladjustment</i>	1	9
<i>The Role of Women in American Economic Life</i>	1	9
<i>On Mixing Ethics with Business: Throwing your Moral Weight Around</i>	1	9
<i>How to Educate a Woman's Husband</i>	1	9

By President Norris

<i>The Rights to Life, Liberty, and Learning</i>	1	9
<i>The Professor as a Leader</i>	1	9
<i>MacMurray College and Jacksonville (Ill) High School Collaborate in a Program for Superior Students</i>	1	9
<i>How to Educate a Man</i>	1	9
<i>College is a Mirror Held Up</i>	1	9
<i>The Good News Days and Polarity: A Philosophy of Tensions among Values (book excerpts)</i>	1	10
<i>Moral Hazards of an Executive</i>	1	10
<i>Philosophy is for the Young Too</i>	1	10
<i>Hinge Benefits (December 7, 1960 Chapel Address)</i>	1	10
<i>We Know in Part: The Unmistakable Partiality in Knowledge</i>	1	10
<i>Albert Schweitzer- A Christian Critic</i>	1	10
<i>Albert Schweitzer- A Christian Critic</i>	1	10
<i>What Constitutes True Education?</i>	1	10

By President Norris

<i>Tom Sawyer at Albion</i>	1	10
<i>The Moral Weight of the Administrator</i>	1	10
<i>Scholarship Can Cause Trouble</i>	1	10
<i>College Administrator Must Ask "What's the Big Idea?" of His Job</i>	1	10
<i>Men of Principle</i>	1	10
<i>It's the Idea of the Thing</i>	1	10
<i>What's Good About it?</i>	1	10
<i>From Mixture to Mastery</i>	1	10
<i>Pamphlet: Publications of Louis William Norris President, Albion College</i>	1	11
<i>Through a Glass Darkly</i>	1	11
<i>When We Do Everything Backward</i>	1	11
<i>Proceedings of the Third Annual Meeting Council of Graduate Schools in the United States</i>	1	11
<i>Teachers Shall Shine As the Firmament</i>	1	11

By Albion College Faculty

<i>The Individual in a Changing Society</i>	1	11
<i>The Individual in a Changing Society</i>	1	11
<i>Proceedings of the Twenty-Third Annual Meeting of the Midwest Conference on Graduate Study and Research</i>	1	11
Subseries 1.3 By Albion College Faculty		
	Box	Folder
<i>Sucking Behavior: A Review of the Literature</i>	1	12
<i>Relative Loss and Kind of Interpolated Activity in a Retroactive Interference Design</i>	1	12
<i>Sex Differences in Learning And Forgetting of Partly Connected Meaningful Material</i>	1	12
<i>On the Accuracy of Written Recall: A Scaling and Factor Analytic Study</i>	1	12
<i>Additional Observations on Scoring the Accuracy of Written Recall</i>	1	12
<i>Expressing the Magnitude of Results in Retroaction Experiments</i>	1	12
<i>Exploratory Studies of Stories Varying in the Adjective-Verb Quotient</i>	1	12
<i>Learning Factors as Determiners of Pretest Sensitization</i>	1	12

<i>Retroactive Interference in Meaningful Material as a Function of the Degree of Contextual Constraint in the Original and Interpolated Learning</i>	1	12
<i>Scaling the Accuracy of Recall of Stories in the Absence of Objective Criteria</i>	1	12
<i>The Effect of Reducing the Variability of Length of Written Recalls on the Rank Order Scale Values of the Recalls</i>	1	12
<i>An Investigation of the Response Mechanism of the Size-Weight Illusions</i>	1	13
"A Comparison of Three Scaling Techniques in Estimating the Accuracy of Written Recall"	1	13
<i>Clinical Judgment</i>	1	13
<i>Comparison of Two Procedures in the Study of Retroactive Interference in Connected Meaningful Material</i>	1	13
<i>Immediate Memory of Connected Meaningful Material Practiced Under Delayed Auditory Feedback</i>	1	13
<i>Encyclopedia Judaica on Jews of Latin America</i>	1	13
<i>Report to Governor William G. Milliken by the Special Commission on Energy</i>	1	13

By Other

<i>Nation-Building Myths in Asia</i>	1	13
<i>The Christian Philosophy of William Temple</i>	1	13
<i>The Michigan Schoolmasters' Club (First Meeting Papers)</i>	1	14
<i>Christ in the Gospels: An Introduction to His Life and its Meaning</i>	1	14
<i>Physician's Prognostic Judgments</i>	1	14
<i>The Edict of Industry</i>	1	14
Subseries 1.4 By Other		
	Box	Folder
<i>The Social Gospel and Personal Religion: Are they in Conflict?</i>	1	15
<i>Up to Now</i>	1	15
<i>Making Relief Respectable</i>	1	15
Series 2 Manuscripts		
Subseries 2.1 By Horton		
	Box	Folder

By President Norris

<i>Ebermayer's Experiments on Forest Meteorology</i>	1	16
<i>Some Hydrologic Characteristics of the United States Part I</i>	1	16
<i>Some Hydrologic Characteristics of the United States Part I</i>	1	16
Subseries 2.2 By President Norris		
	Box	Folder
<i>The Church's Ministry to Gainfully Employed Women</i>	1	17
<i>Orientation Class of 1966</i>	1	17
<i>Talk by Dr. Norris at the Lansing Luncheon for Businessmen</i>	1	17
Subseries 2.3 By Albion College Faculty		
	Box	Folder
<i>Personal Memoirs of Anson E. Hagle</i>	1	18
<i>Dr. Frederic Samuel Goodrich: America's Mr. Chips, Midwest Version</i>	1	19
<i>Memory for Meaningful Material</i>	1	19
<i>Apologiae: For J.L.G McKown and William B. Silber</i>	1	20
<i>The Early History of Football at Albion and the Part I Played</i>	1	20

By Other

<i>The Life of Mary Ann</i>	1	20
<i>Meet the Professor</i>	1	20
Series 2.4 By Other		
	Box	Folder
<i>The Log of a Would-Be Truth Teller: F. Ernest Johnson August 1917-October 1952</i>	1	21
Series 3 Miscellaneous		
	Box	Folder
<i>Memorial of the Funeral Services for Samuel Dickie</i>	1	22
<i>A Dinner to Mr. Homer Folks on the Occasion of his Seventieth Birthday</i>	1	22