

2018

## Highlands (Matthew E.) Records, 1800s?-2003

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## Professor Highlands (Matthew E.) Records

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Finding aid written in English

Describing Archives: A Content Standard

Raymond H. Fogler Library University Archives

5729 Raymond H. Fogler Library

University of Maine

Orono, ME 04469-5729

URL: <http://www.library.umaine.edu/speccoll>

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## Table of Contents

---

Summary Information .....	3
Biographical / Historical .....	3
Scope and Contents .....	4
Arrangement .....	5
Administrative Information .....	5
Controlled Access Headings .....	6
Collection Inventory .....	6
Academic & Family Records .....	6
Military Records .....	9

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## Summary Information

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<b>Repository:</b>	Raymond H. Fogler Library University Archives
<b>Creator:</b>	Highlands, Matthew Edward
<b>Title:</b>	Faculty Records (University of Maine). Professor Highlands (Matthew E.) Records
<b>ID:</b>	UA RG 0011.003
<b>Date [inclusive]:</b>	1800s?-2003
<b>Date [bulk]:</b>	1942-1970
<b>Physical Description:</b>	1 box
<b>Physical Description:</b>	1 box Half size box
<b>Physical Description:</b>	1 folder Oversized folder.
<b>Language of the Material:</b>	English

### Preferred Citation

University of Maine. Professor Highlands (Matthew E.) Records, UA RG 0011.003, [Box No.], [Folder No.], Raymond H. Fogler Library Special Collections Department, University of Maine, Orono, Maine.

[^ Return to Table of Contents](#)

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## Biographical / Historical

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Matthew Edward Highlands was a pioneer in the food processing industry. He was born on June 19, 1905 in Huntington, Indiana, but would relocate to Maine and attend school in Berwick, Maine. Highlands attended the University of Maine and graduated in 1928 with a degree in bacteriology. In 1943, Highlands earned a master's degree in food technology from the Massachusetts Institute of Technology (MIT). During Highlands' time as a student at MIT he was taught by the renowned food scientist and microbiologist Samuel Cate Prescott who was the head of MIT's Department of Biology and Public Health. In 1951, Highlands earned a PhD. in food technology from the University of Massachusetts Amherst.

In 1936, Highlands was appointed an assistant professor in bacteriology and food technology at the University of Maine. Highlands would stay in this position until 1942 when he entered the U.S. Army's World War II efforts as a lieutenant and branch chief of Dehydrated Products Branch of the Army's Subsistence Research Laboratory based in Chicago. In 1946, Highlands received an honorable discharge at the rank of major. Highlands would go on to serve in the Army Reserve as a lieutenant colonel.

Following a spell as manager of Friend Brothers, Inc. in Melrose, MA Highlands would return to the University of Maine in 1947 to become a food technologist in the Cooperative Extension, a position he would hold until 1955 when he was appointed the head of the Department of Food Processing. In 1960, Highlands founded the University of Maine's Department of Food Sciences.

In 1970, Highlands was awarded the status of Professor Emeritus of Food Science at the University of Maine and in 1985 he received the University's Distinguished Achievement Award. The Dr. Matthew Edward Highlands Pilot Plant located in Hitchner Hall is named in Highlands' honor. Highland was a member of numerous professional associations, including the National Academy of Sciences and the Institute of Food Technologists, who he was appointed a fellow of in 1976.

Highlands died in 2003.

[^ Return to Table of Contents](#)

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## Scope and Contents

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The records mainly contain textual information created and curated by Professor Matthew E. Highlands, but there are also photographs of his family, time in the U.S. Army, and of his mentor Samuel Cate Prescott. The record series

[^ Return to Table of Contents](#)

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## Scope and Contents

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The records mainly contain textual information created and curated by University of Maine Professor Matthew E. Highlands, but there are also photographs of his family, time in the U.S. Army, and of his mentor Samuel Cate Prescott.

The record series Academic & Family Records contains material related to Highlands' academic career at the University of Maine (both as a student and professor) and at the Massachusetts Institute of Technology and University of Massachusetts, including: research notes, recipes, articles, and formulas, degree certificates, membership and award certificates, travel diary and notes, family photographs, and a remembrance program.

The records series Military Records contains material related to Highland's military career, including identification cards, photographs, certificates and papers, correspondence, and reports from Highland's time in the Subsistence Research & Development Laboratory during World War II.

[^ Return to Table of Contents](#)

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## Arrangement

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The Records Group is broken down intellectually into the following record series: 1. Academic & Family Records and 2. Military Records. Physically the boxes are arranged by subject. File names and dates were added and material was separated and divided into multiple sub-folders where necessary. Material was rehoused into archival quality storage.

[^ Return to Table of Contents](#)

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## Administrative Information

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### Publication Statement

Raymond H. Fogler Library University Archives

5729 Raymond H. Fogler Library

University of Maine

Orono, ME 04469-5729

URL: <http://www.library.umaine.edu/speccoll>

### Accruals

Accruals of records regarding Professor Matthew E. Highlands are not anticipated.

### Conditions Governing Access

Kept at Fogler Library's offsite storage facility. One week's notice required for retrieval.

### Conditions Governing Use

Information on literary rights available in the Raymond H. Fogler Library Special Collections Department.

## Immediate Source of Acquisition

The records were transferred from Hitchner Hall to Special Collections by retired UMaine Professor of Food Science Alfred Bushway. Bushway worked alongside Highland at UMaine for many years. Accession #2018-0727.

## Processing Information

Processed by Matthew Revitt, July 2018, Raymond H. Fogler Library Special Collections Department. Processing involved a collection survey and intellectual arrangement into series and the creation of this finding aid. Material was reboxed into appropriate archival folders and the boxes and folders numbered and titled using information from ArchivesSpace.

[^ Return to Table of Contents](#)

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## Controlled Access Headings

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- Recipes
- World War, 1939-1945 -- Food supply
- Food processing
- World War, 1939-1945
- Certificates
- Research notes
- Potatoes -- Research
- Membership cards
- Family histories
- Bushway, Alfred, Dr.
- Massachusetts Institute of Technology

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## Collection Inventory

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### Academic & Family Records, (1925-1970), Late 1800s?-2003

Physical Description: 1 box

Physical Description: 1 folder Oversized folder

Title/Description	Instances	
Matthew Highlands Records -- Process For Low-Acid Canned Foods , 1963 & 1966	Box 1	Folder 1

Professor Highlands (Matthew E.) Records

<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Thesis "A Study Of White Potato Starch Plant Pomace Recovery", 1950	Box 1	Folder 2
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Various Formulas	Box 1	Folder 3
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- MIT Research Notebook - Formulae, 1946	Box 1	Folder 4
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- MIT Research Notebook - Food Technology 161, 26 June, 1950	Box 1	Folder 5
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Article "Canning Pineapple In Puerto Rico", June, 1935	Box 1	Folder 6
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Notebook - Sodium Restricted Diets & Foods, 1980s?	Box 1	Folder 7
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Pea Soup - Old Quebec Brand Formula, 1946	Box 1	Folder 8
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Various Research Reports, Notes & Formula, 1959-1969	Box 1	Folder 9
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Jam & Jelley Receipes, 1975?	Box 1	Folder 10
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Dodge & Olcott, Inc. Formulas, 1956	Box 1	Folder 11
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- House Of Five Continents Recipes	Box 1	Folder 12
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Notebook Of Various Formulas	Box 1	Folder 13
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Notebook Of Various Formulas	Box 1	Folder 14
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- History Of The Red Devil Company, 1977	Box 1	Folder 15



Professor Highlands (Matthew E.) Records

<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- European Visit Notes, 1959-1960	Box 1	Folder 16
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Institute Of Food Technologies Fellowship Material - Report For Consortium For The Development Of Technology, October 1974 - June 1975	Box 1	Folder 17a
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Institute Of Food Technologies Fellowship Material - "FDA/NCA Better Process Control School", June, 1974	Box 1	Folder 17b
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Institute Of Food Technologies Fellowship Material - Consortium For The Development Of Technology Correspondence, 1976	Box 1	Folder 17c
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Institute Of Food Technologies Fellowship Material - Membership Certificate, Proceedings & Fellowship Nomination Form, 1939-1976	Box 1	Folder 17d
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Institute Of Food Technologies - 50 Year Membership Recognition Certificate, 1989	Box 1	Folder 18
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Pilot Plant Dedication Plaque	Box 1	Folder 19
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- UMaine Distinguished Achievement Award Certificate, 1995	Box 1	Folder 20
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Various Membership Certificates, 1925-1969	Box 1	Folder 21
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Letter Re. Emeritus Status Designation, August 4, 1970	Box 1	Folder 22
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- UMaine Alumni Association Article Re, Highlands, Fall 1991	Box 1	Folder 23
<u>Physical Description:</u> 1 folder		
Matthew Highlands Records -- Curriculum Vitae , 1963-1964	Box 1	Folder 24
Matthew Highlands Records -- Remembrance Program, 2003	Box 1	Folder 25

Professor Highlands (Matthew E.) Records

Physical Description: 1 folder

Matthew Highlands Records -- UMass Doctor Of Philosophy Degree Certificate, June 3, 1951	Box 1	Folder 26
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Physical Description: 1 folder

Matthew Highlands Records -- Address List For UMaine Class Of 1925 Reunion, 1960	Box 1	Folder 27
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Physical Description: 1 folder

Matthew Highlands Records -- Photograph Of Highlands & Wife Ramona With President Hauck & "French Group", 1951	Box 1	Folder 28
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Physical Description: 1 folder

Matthew Highlands Records -- Signed Photographs Of Samuel Cate Prescott & Prescott Obituary	Box 1	Folder 29
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Physical Description: 1 folder

Matthew Highlands Records -- Travel Journal, 1960	Box 1	Folder 30
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Physical Description: 1 folder

Matthew Highlands Records -- Portrait Photograph Of Highlands	Box 1	Folder 31
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Physical Description: 1 folder

Matthew Highlands Records -- Family Photographs	Box 1	Folder 32
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Physical Description: 1 folder

Matthew Highlands Records -- UMaine & MIT Degree Certificates, 1928 & 1934	Folder 1	
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Physical Description: 1 folder

[^ Return to Table of Contents](#)

## Military Records , 1940-1979

Physical Description: 1 box Half size box

Title/Description	Instances	
Matthew Highlands Records -- Correspondence With Ramona, 1948	Box 2	Folder 1
<u>Physical Description</u> : 1 folder		
Matthew Highlands Records -- World War II Research Project, 1979	Box 2	Folder 2
<u>Physical Description</u> : 1 folder		
Matthew Highlands Records -- U.S. Army Military Record And Report Of Separation & Certificate Of Service, 1942-1946	Box 2	Folder 3

Professor Highlands (Matthew E.) Records

Physical Description: 1 folder

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Matthew Highlands Records -- Various Military Certificates, 1940-1960	Box 2	Folder 4
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Physical Description: 1 folder

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Matthew Highlands Records -- Biographies Of Q.M.C. Subsistence Research & Development Laboratory Staff, 1945	Box 2	Folder 5
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Physical Description: 1 folder

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Matthew Highlands Records -- Military Photographs Of Highlands	Box 2	Folder 6
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Physical Description: 1 folder

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Matthew Highlands Records -- Report On Facilities For The Production Of Dehydrated Potatoes & Cereals In Western Germany , 1948	Box 2	Folder 7
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Physical Description: 1 folder

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Matthew Highlands Records -- Letters Re. Military Achievements, 1946-1948	Box 2	Folder 8
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Physical Description: 1 folder

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Matthew Highlands Records -- Military Identification Cards, 1942-1976	Box 2	Folder 9
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Physical Description: 1 folder

[^ Return to Table of Contents](#)