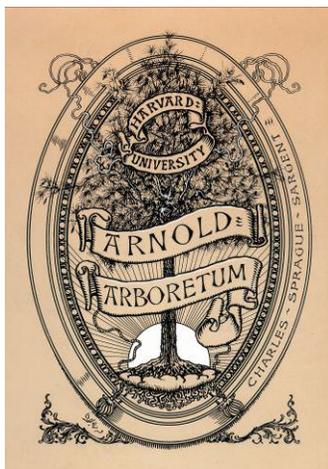


Archives II A-8 HMR

**Hugh Miller Raup (1901-1995) papers, 1933-1938: Guide**



Archives of the Arnold Arboretum of Harvard University

Jamaica Plain, Massachusetts

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### **Hugh Miller Raup (1901-1995) papers, 1933-1938: Guide** **Archives of the Arnold Arboretum of Harvard University** **© 2024 President and Fellows of Harvard College**

#### **Descriptive Summary**

**Repository:** Archives of the Arnold Arboretum of Harvard University, Jamaica Plain, MA

**Call No.:** II A-8 HMR

**Creator:** Hugh Miller Raup

**Title:** Hugh Miller Raup (1901-1995) papers, 1933-1938

**Date(s):** 1933-1938

**Quantity:** 5 linear inches

**Abstract:** The collection of Hugh Raup includes notes compiled during his tenure at the Arnold Arboretum, as well as photographs acquired by the Harvard Forest Archives and donated to the Arnold Arboretum. Raup came to the Arnold Arboretum as a Research Assistant and Associate in 1932, and during his career at Harvard he would eventually hold several positions within the university system – including Director of the Harvard Forest. During his tenure at the Arboretum, Raup was noted for his study of the influences that shaped the arboretum landscape.

**Note:** Access to Finding Aid record in [HOLLIS](#).

**Preferred Citation:** Hugh Miller Raup papers. Archives of the Arnold Arboretum of Harvard University.

**Additional Material:** Additional Raup correspondence may be found in the [Arnold Arboretum Correspondence Database](#). The Archives also holds meteorological notes taken by Raup in 1935 which are shelved separately in Archives IV C-9, also see Map Case Drawer 3 folder 7 for maps that were published in "Notes on the Early Uses of Land Now in the Arnold Arboretum," *Bulletin of Popular Information* 1935. The Harvard Forest archive holds extensive Hugh Raup material, information about research holdings can be accessed through their catalog. [Harvard Forest Archive Catalog](#). Contact the Harvard Forest Archivist for information pertaining to Raup's correspondence, administrative and photograph collections. Other Raup material is held by the University of Alberta Archives and the Canadian Museum of Civilization Library and Archives. The Government of Yukon [Archives](#) holds and has digitized 833 images taken by Hugh Raup and his sons on field trips from 1925 to 1948.

#### **Acquisition Information**

**Provenance:** The Notes on Chaenomeles Collection and the meteorological notes were compiled during Raup's tenure at the Arnold Arboretum and were transferred from its departmental holdings to the Archives during its formation in 1984. The collection of photographs and negatives of the Arnold Arboretum was acquired by the Harvard Forest

Archives and donated to the Arnold Arboretum Archives in 1997.

**Processing:** August 2003, Jessica M. Parr, revised Larissa Glasser, Sheila Connor 2012. Revised January 2023, July 2024 Larissa Glasser.

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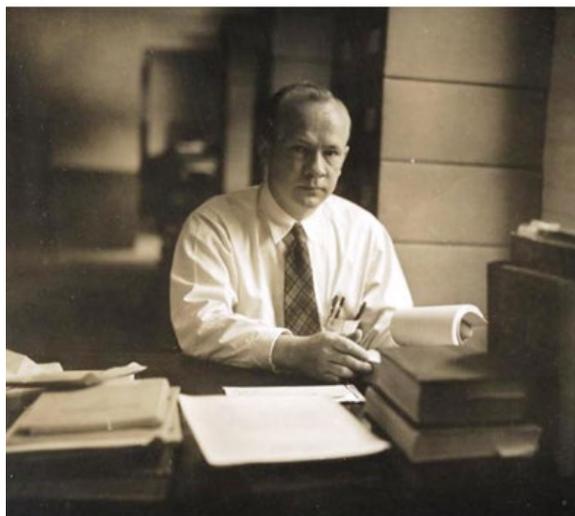
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### **Biographical Note**

Hugh Miller Raup was born on his family's farm in Springfield, Ohio on February 1, 1901, to Gustavus Phillip and Fannie (Mitchell) Raup. He attended Wittenberg College, receiving an A.B. in 1923. Immediately following his graduation, he was appointed as an instructor in biology, a position he held while pursuing his A.M. Raup received his Ph.D. from the University of Pittsburgh in 1928 and was promoted to Assistant Professor at Wittenburg College. Raup left the college in 1932 to serve under the Supervisor of the Arboretum Oakes Ames (1847-1950) in the "Department of Special Research", first as a Research Assistant and later as an Associate at the Arnold Arboretum, a position he held from 1932 to 1938. In 1938, under Elmer Drew Merrill's (1876-1956) tenure



Hugh Miller Raup at his desk in the Arnold Arboretum Herbarium, 1930s, photographer unknown

as Director, Raup was appointed Assistant Professor of Plant Ecology. According to Director of the Arboretum Richard A. Howard (1917-2003) in [Scientists and Scientific Contributions of the Arnold Arboretum: The First Century](#), "Only one Arboretum staff member has carried the title of Ecologist, that being Hugh Raup, whose work involved the Mackenzie Basin the Canadian Northwest Territories, and the Alcan Highway."

In 1935, Raup published [Notes on the Early Uses of Land Now in the Arnold Arboretum](#). This study examined the historical influences, both natural and manmade, that shaped the Arboretum's landscape. He challenged prior conceptions about the ecological history of the Arnold Arboretum, particularly the notion that historically, Hemlock Hill had been a pristine virgin forest. He documented the Arboretum's early history in [The Genesis of the Arnold Arboretum](#) and his article on [The North Meadow](#) describes how the area has remained a meadow throughout its long history and its appearance in Roxbury's oldest land records as "Gore's Meadow." Raup also wrote on [Lichens](#) and the damaging effects of a northwest winds in [Injurious Effects of Winds in the Arnold Arboretum](#).

Much of Raup's work revolved around an examination of historical influences on New England, Honduran, and Cuban landscapes, which was a relatively revolutionary approach. Other research included a phytogeographic survey of the Peace River region of Alberta and British Columbia, returning with thousands of specimens, and studies in subarctic Canada, northeastern Greenland, and the boreal forests of Alaska, some of which work was completed in collaboration with the Canadian National Museum.

Following his time at the Arboretum, Raup held a succession of professorial appointments at Harvard's other botanical institutions including the Department of Biology, the Black Rock Forest, now the [Black Rock Forest Consortium](#), and the [Harvard Forest](#). He climbed the academic ranks quickly, receiving a promotion to Assistant Professor of Plant Geography and Associate Professor in 1945. In 1949, he was promoted to full professor with an appointment as Bullard Professor in Forestry. He became director of the Harvard Forest in 1946, devoting all his energy to the Forest until his retirement in 1967. Following his retirement from Harvard, Raup spent three years at Johns Hopkins as a Visiting Professor.

He and his wife Lucy then spent 20 years living on the Common in Petersham, Massachusetts, where he continued to correspond with colleagues, debating and commenting on matters in the fields of biology, forestry, and ecology in lengthy letters. [Forests in the Here and Now, A Collection of Writings of Hugh Miller Raup](#) was published in 1981 and contains a bibliography of his writings. In their later years the Raups moved to Wisconsin to be closer to their younger son. Raup died on August 10, 1995, at 94 years of age.

David Foster, as Director at the Forest and Chairman of the Raup Memorial Committee for the Faculty of Arts and Sciences wrote of Raup's career at Harvard in the "Faculty of Arts and Sciences-Memorial Minute", published in the *Harvard Gazette*:

Hugh Miller Raup was among the last of Harvard's great field naturalists - a botanist, ecologist and geographer who vigorously applied his immense experience in tropical, temperate and arctic landscapes to landmark studies in natural history and natural resource management. As a teacher, colleague and friend he inspired students and contributed to Harvard and the broader world to the end of his 94 years.

### **Scope and Content**

The collection primarily consists of black and white photographs of the Arnold Arboretum, many of which were reproductions of earlier images, field notes, and a field notebook with additions by Edgar Anderson is also included.

### **Arrangement**

The Raup collection is organized in three series:

- Series I:** Biographical Material
- Series II:** Field books
- Series III:** Photographs

### **Container List**

#### **Box 1**

#### **Series I: Biographical Material, 1996-1998**

#### **Folder**

##### **1:**

- Photograph, 4<sup>1/2</sup>" x 3<sup>1/2</sup>" b&w print, unknown photographer, undated c1930s
- Photograph, 5" x 7" b&w print, unknown photographer, undated c1930s
- Jerome D. Greene, Secretary, President and Fellows of Harvard College to Raup, copy to E.D. Merrill regarding Raup appointment as Assistant Professor of Plant Ecology. May 2, 1938
- Oakes Ames, to Raup, regarding Raup appointment to Department of Special Research, Arnold Arboretum. January 30, 1932
- News clipping. "Raup, Former Forest Director, Dies at 94." *Harvard University Gazette*, copy. September 7, 1995
- Annual Report of the Harvard Forest, 1995-1996. copy. Includes 7"x8" b&w photograph of Raup, unknown photographer, undated c1950s and biographical essay
- "Memorial Minute: Hugh M. Raup." *Harvard University Gazette*, copy. February 12, 1998

- Sarah Neelon, Research Assistant, Harvard Forest to Arnold Arboretum, regarding acquisition of Raup papers and Harvard Forest's offer of Raup's "Old Photographs of the Arboretum" to Archives of the Arnold Arboretum, undated November 1996
- Sarah Neelon to Carol David, Library Assistant, Arnold Arboretum. November 14, 1996
- Sheila Connor, Horticultural Research Archivist, Arnold Arboretum to Sarah Neelon November 19, 1996, noting safe arrival of Raup material and inquiry regarding 2 images of group of unidentified children at Hemlock Hill, Arnold Arboretum

## **Series II: Field books**

### **Folder**

#### **1: Field Notebook**

"Notes on *Chaenomeles* Collection Taken in the Shrub Border at the Arnold Arboretum, May 19, 1933, H.M. Raup, Edgar Anderson. Notes in green ink in April 1935 by Edgar Anderson, after comparing these descriptions with the original varietal descriptions in Spaeths catalogues (at the M.H.S) [Massachusetts Horticultural Society] gift of the author, April 1934. Bound notebook, originally held in the Library, call number MH 126 R19.2 transferred to the Archives in 2003.

#### **2: Field Notes**

- Program for a proposed survey of environmental factors in the Arnold Arboretum
- Historical notes on the Arboretum
- Notes on the distribution of hardiness and winter injury in the shrub collection
- Plants injured in the shrub collection, winter 1933-34, numerical listing.
- List of plants injured outside the shrub collection, winter 1933-34
- Species and varieties damaged, in all degrees, in the shrub collection, 1933-34
- Tender plants injured
- Species duplicated in the shrub order
- [Alphabetical listing of plants, table includes Shrub collection, Bussey Hill, Centre Street Path, Group, Nervine Border, Bussey Hill Road
- Notes on drifting snow in the Arnold Arboretum, Storm of Jan. 23-4, 1935
- Manuscript "The shrub collection appears by far the most rigorous testing ground of all ... [1 and ½ page note]
- Diagrams, notes, observations and correspondence regarding the purchase and siting of equipment for proposed meteorological stations in the Arboretum
- E.J. Palmer mammals of the Arnold Arboretum
- "Bulletins on Winter Hardiness in the Arnold Arboretum", hand bound copy of articles on plant hardiness published in the *Arnold Arboretum Bulletin of Popular Information* [Winter Hardiness of Trees and Shrubs Growing in the Arnold Arboretum](#) by J. H. Faull, J. G. Jack, W. H. Judd, L. V. Schmitt, [Winter Hardiness](#)

[of Trees and Shrubs Growing in the Arnold Arboretum \(Continued\)](#), by J.G. Jack and [Winter Hardiness of Trees and Shrubs Growing in the Arnold Arboretum III \(Continued\)](#) also by J.G. Jack

### **Series III: Photographs**

While the collection consists primarily of undated and unlabeled images that Raup appeared to have assembled and re-photographed to illustrate his research on the history of the Arboretum, several appear to exist only in this collection.



Depicts haying on the Bussey Hill Overlook and was described by Raup in his article on [The Chinese Collection](#) as "An old photograph in the library of the Arboretum shows that early in the 1900's the knoll was a grassy meadow from which hay was cut in summer." From Series III, Folder 6



Raup may have reproduced this image of Valley Road with Hemlock Hill in the background. The image clearly shows the cobble gutters and a ramp on the right-hand side that enables vehicle access to the collection. The ramp may be positioned at the site of "Rockery Spring." From Series III, Folder 4



An outing of six young, unidentified boys to two locations on Hemlock Hill, original images may have been re-photographed by Raup. From Series III, Folder 4



These three images of Alfred Rehder with unidentified men were likely taken by Raup in the 1930s. From Series III, Folder 6



Two images of the Arboretum's Meadow Road and adjacent meadow taken by Raup from the roof of the Herbarium Wing possibly to be used in his article on the history of the meadow area. From Series II, Folder 5

- 1:** Prints and negatives nos. 1-19, unlabeled undated
- 2:** Negatives only nos. 20-25, unlabeled, undated
- 3:** Prints 1-9, multiple copies many prints of negatives in folder 4, some additional images including of Alfred Rehder with three unidentified men, unlabeled, undated
- 4:** Prints 10-19, multiple copies many prints of negatives in folder 4, some additional images, unlabeled, undated
- 5:** Prints 20-26, multiple copies many prints of negatives in folder 4, some additional images, unlabeled, undated
- 6:** Prints 1930s, 3 images, Alfred Rehder with three unidentified men, unlabeled, undated