



Smithsonian

*National Museum of American History Kenneth E. Behring Center*

## Virgil Eldon Bottom Collection

NMAH.AC.0148

NMAH Staff

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Virgil Eldon Bottom Collection
<b>Date:</b>	1936-1983.
<b>Identifier:</b>	NMAH.AC.0148
<b>Creator:</b>	Bottom, Virgil Eldon (Collector)
<b>Extent:</b>	0.33 Cubic feet (1 box)
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Collection donated by Virgil E. Bottom, 1998, January 20.

### Provenance

Collection transferred to the Archives Center from the Division of Electricity (now Division of Work and Industry), 3/26/85

### Processing Information

Collection processed by NMAH Staff, undated

### Preferred Citation

Virgil Eldon Bottom Collection, 148, AC NMAH

### Restrictions

Collection is open for research.

### Conditions Governing Use

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## Biographical Note

Virgil Eldon Bottom was a leading figure in the use of quartz crystal technology for frequency control in radio communication, particularly for use by the military. In early radio quartz was frequently used to help hold the frequency.

## Scope and Contents

This collection consists of letters from Virgil Bottom requesting information about the early days of the quartz crystal industry in the United States and letters from "Old Timers" in the industry received by Bottom in response to his request of December 10, 1980; print materials, including a "History of the Quartz Crystal Industry in the United States" by Bottom; photographs; clippings; and two audio tapes.

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## Arrangement

Divided into five series: (1) Correspondence, 1969-1983; (2) Printed materials; (3) Photographs, 1942-1945; (4) Clippings; (5) Audio Tapes.

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Electrical engineering  
Radio

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## Container Listing

### Series 1: Correspondence, 1936-1983

Box 1, Folder 1	Outgoing, 12/10/80 – 12/12/83
Box 1, Folder 2-3	Incoming, 11/23/80 – 3/23/81
Box 1, Folder 4	Letter from John Newman with reprint from QST, 1969-11-12T00:00:00+00:00

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## Series 2: Printed Materials

Box 1, Folder 5	Bottom, Virgil E. A History of the Quartz Crystal Industry in the U.S.A. Reprint of the article published in the Proceedings of the 35th Annual Frequency.
Box 1, Folder 6	Ibid. Manuscript of the talk presented to the 35th AFC, May 27, 1981
Box 1, Folder 7	Bliley Radio Amateur Questionnaire, 1936
Box 1, Folder 8	McCommon, Patricia. A History of the Crystal Industry in the Carlisle Area., January 21, 1974
Box 1, Folder 9	The Story of Monitor Crystals
Box 1, Folder 10	The Erie Story. February,, 1980
Box 1, Folder 11	Bliley, Charles A. The Bliley Electric Company, the Early Years:, 1930-1955
Box 1, Folder 12	Stroiber, Richard E., Tolman, Carl, and Robert D. Butler. Geology of Quartz Crystal Deposits.
Box 1, Folder 13	A Tribute Dr. Harry Berman. Reeves Oscillator.
Box 1, Folder 14	Krustallos: A Story of Quartz

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## Series 3: Photographs

Box 1, Folder 15

Photographs, 1942-1945

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## Series 4: Clippings

Box 1, Folder 16	"Kansas City's Crystal Pioneers." Kansas City Star, May 7, 1979
Box 1, Folder 17	News clippings, 1947; 1950; 1982

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## Series 5: Audio Tapes

Box 1, Folder 18

A History of the Quartz Crystal Industry in the U.S.A., Talk before Annual Frequency Control Symposium, 5/27/81

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