

# Finding Aid to The HistoryMakers® Video Oral History with Linda Hayden

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## Overview of the Collection

<b>Repository:</b>	The HistoryMakers®1900 S. Michigan Avenue Chicago, Illinois 60616 info@thehistorymakers.com www.thehistorymakers.com
<b>Creator:</b>	Hayden, Linda B., 1949-
<b>Title:</b>	The HistoryMakers® Video Oral History Interview with Linda Hayden,
<b>Dates:</b>	February 25, 2013
<b>Bulk Dates:</b>	2013
<b>Physical Description:</b>	7 uncompressed MOV digital video files (3:21:00).
<b>Abstract:</b>	Mathematician and educator Linda Hayden (1949 - ) is the associate dean of the Elizabeth City State University School of Mathematics, Science and Technology, and the director of the Center of Excellence in Remote Sensing Education and Research. Hayden was interviewed by The HistoryMakers® on February 25, 2013, in Elizabeth City, North Carolina. This collection is comprised of the original video footage of the interview.
<b>Identification:</b>	A2013_044
<b>Language:</b>	The interview and records are in English.

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## Biographical Note by The HistoryMakers®

Mathematician and research director Linda B. Hayden was born on February 4, 1949 in Portsmouth, Virginia to Linwood Copeland, Sr. and Sarah Vaughn Bailey. She enjoyed math as a child, particularly plotting out functions and determining their characteristics. Hayden attended Portsmouth Public Schools for her elementary and secondary education. After graduating from I. C. Norcom High School in Portsmouth, Hayden attended Virginia State University and went on to graduate from there in 1970 with her B.S. degree in mathematics and physics. In 1972, Hayden received her M.A. degree in mathematics and education from the University of Cincinnati; and, in 1983, she received her M.S. degree in computer science from Old Dominion University. Hayden earned her Ph.D. degree in mathematics and education from American University in 1988. Her doctoral thesis was titled, "The Impact of an Intervention Program for High Ability Minority Students on Rates of High School Graduation, College Enrollment, and Choice of a Quantitative Major."

Hayden began her teaching career as an assistant professor of mathematics at Kentucky State University in 1972 where she remained until 1976. Hayden then served as an assistant professor at Norfolk State University. In 1980, she was appointed as an associate professor of computer science at Elizabeth City State University (ECSU). While there, Hayden founded, and served as director of, the Center of Excellence in Remote Sensing Education and Research (CERSER). She was promoted to full professor and named as the associate dean of the ECSU School of Mathematics, Science, and Technology in 2002. In addition, Hayden has served as a research fellow at the Department of the Army Training and Doctrine Command, and as a visiting professor at American University and the University of the District of Columbia.

Her research has been published in national and international journals such as, the *Proceedings of the National Science Teachers Association* and the *Institute of Electrical and Electronics Engineer - Geosciences and Remote Sensing Society Joint International Conference Proceedings*. Hayden was a founding member of the Eastern North Carolina Chapter of the Geosciences and Remote Sensing Society (GRSS) and subsequently served as president.

Hayden is a recipient of the Institute of Electrical and Electronics Engineers Professional Achievement Award as well as the *U.S. Black Engineer Magazine* Emerald Award for Educational Leadership. In 2009, the National Science Foundation presented Hayden with the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring, and the National Association for Equal Opportunity in Higher Education presented her with the NOBLE Laureate Award.

Hayden and her husband, Lee V. Hayden Jr., live in Portsmouth, Virginia. They have one son, Kuchumbi Linwood Hayden.

Linda B. Hayden was interviewed by *The HistoryMakers* on February 25, 2013.

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## Scope and Content

This life oral history interview with Linda Hayden was conducted by Larry Crowe on February 25, 2013, in Elizabeth City, North Carolina, and was recorded on 7 uncompressed MOV digital video files. Mathematician and educator Linda Hayden (1949 - ) is the associate dean of the Elizabeth City State University School of Mathematics, Science and Technology, and the director of the Center of Excellence in Remote Sensing Education and Research.

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## Restrictions

### Restrictions on Access

Restrictions may be applied on a case-by-case basis at the discretion of The HistoryMakers®.

### Restrictions on Use

All use of materials and use credits must be pre-approved by The HistoryMakers®. Appropriate credit must be given. Copyright is held by The HistoryMakers®.

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## Related Material

Information about the administrative functions involved in scheduling, researching, and producing the interview, as well as correspondence with the interview subject is stored electronically both on The HistoryMakers® server and in two databases maintained by The HistoryMakers®, though this information is not included in this finding aid.

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## Controlled Access Terms

This interview collection is indexed under the following controlled access subject terms.

### Persons:

Hayden, Linda B., 1949-

Crowe, Larry (Interviewer)

Hickey, Matthew (Videographer)

## Subjects:

African Americans--Interviews  
Hayden, Linda B., 1949- --Interviews

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## Organizations:

HistoryMakers® (Video oral history collection)

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The HistoryMakers® African American Video Oral History Collection

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Elizabeth City State University

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## Occupations:

Mathematician

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## HistoryMakers® Category:

ScienceMakers

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## Administrative Information

### Custodial History

Interview footage was recorded by The HistoryMakers®. All rights to the interview have been transferred to The HistoryMakers® by the interview subject through a signed interview release form. Signed interview release forms have been deposited with Jenner & Block, LLP, Chicago.

### Preferred Citation

The HistoryMakers® Video Oral History Interview with Linda Hayden, February 25, 2013. The HistoryMakers® African American Video Oral History Collection, 1900 S. Michigan Avenue, Chicago, Illinois.

### Processing Information

This interview collection was processed and encoded on 5/30/2023 by The HistoryMakers® staff. The finding aid was created adhering to the following standards: DACS, AACR2, and the Oral History Cataloging Manual (Matters 1995).

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## Other Finding Aid

A Microsoft Access contact database and a FileMaker Pro tracking database, both maintained by The HistoryMakers®, keep track of the administrative functions involved in scheduling, researching, and producing the interview.

## Detailed Description of the Collection

### Series I: Original Interview Footage

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_001, TRT: 1:29:29 ?

Linda Hayden talks about her family background. Her mother, Sarah Deloris Vaughn Bailey, was born May 1932 in South Norfolk, Virginia. She later worked as a nurse's aide in Portsmouth General Hospital. Her father, Linwood Copeland Bailey, was born in December of 1929 in Portsmouth, Virginia. After graduating from I.C. Norcom High School, he opened up a barbershop, The Ellis Barbershop. He played football in high school and enjoyed playing golf as well. After winning a legal dispute against the city for rights to use the public golf course, he lost his barbershop. Hayden's family lived in Cavalier Manor, one of the largest black-owned communities in the United States. Hayden talks about her parents' personalities, her siblings, and her earliest childhood memories.

African American families--Virginia.

African American business enterprises--Barbershops.

Golf--Social aspects--United States--History.

Discrimination in public accommodations--United States.

African Americans--Virginia--Portsmouth--Social conditions.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_002, TRT: 2:29:35 ?

Linda Hayden talks about her childhood and early education. She attended Zion Baptist Church for kindergarten, Riddick Weaver Elementary School, and Southwestern Elementary School before the fourth grade. She then finished the rest of her elementary education at Cavalier Manor Elementary School before entering S.H. Clark Junior High School, where she was first introduced to science. In 1961, Hayden entered the eighth grade at I.C. Norcom High School and became progressively immersed in math and science. While in high school, she was a member of the science club, math club, the yearbook staff. She also worked at her family's laundry business during the summers. Hayden talks about her teachers, her interest in mathematical functions, and her pre-college counseling.

Childhood and youth--Virginia--Portsmouth.

Schools--Virginia--Portsmouth.

Science--Study and teaching.

Mathematics--Study and teaching.

Summer employment.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_003, TRT: 3:32:35 ?

Linda Hayden attended Virginia State University, where she received a scholarship. With her family's help, she was able to pay for her room and board. Hayden talks about the professors that influenced her during her time at Virginia State. Her math professor, Dr. Louise Hunter awarded her the Freshman of the Year Award in mathematics. Also, Hayden joined the Alpha Epsilon Chapter of the Alpha Kappa Alpha Sorority, the math club, and the science club. After receiving her B.S. degree in mathematics in 1970, Hayden worked during the summers at General Electric in Schenectady, New York before moving to Cincinnati, Ohio to attend the University of Cincinnati. After receiving her M.A.T. degree in mathematics education in 1972, she joined the faculty at

Kentucky State University.

Virginia State University.

African American college students--Scholarships.

Mathematics--Awards.

Alpha Kappa Alpha Sorority.

University of Cincinnati--Students.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_004, TRT: 4:29:47 ?

Linda Hayden joined the mathematics department at Kentucky State University as an instructor in 1972. In 1979, she and her family moved back to Virginia to support Hayden's mother when her mother took ill. Hayden served as an assistant professor of mathematics at Norfolk State University. In 1980, she joined the faculty at Elizabeth City State University. While there, she was encouraged to pursue a M.S. degree in computer science due to ECSU's emerging computer science program. In 1983, Hayden received her M.S. degree from Old Dominion University. She was then granted a four year sabbatical from ECSU to pursue her Ph.D. degree in mathematics education at American University in Washington, D.C. Hayden taught at the University of the District of Columbia's Saturday Academy during her doctoral studies. After earning her Ph.D. degree in 1989, Hayden returned to ECSU and was instrumental in expanding the computer science program.

Kentucky State University. Math and Physics Department--Faculty.

Universities and colleges--Faculty--United States.

Terminally ill parents--Virginia.

Elizabeth City State University--Faculty

Computer science--Study and teaching.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_005, TRT: 5:30:56 ?

Linda Hayden completed her doctoral studies in mathematics and mathematical education at American University in 1989. She then returned to Elizabeth City State University as a full professor of computer science. She also worked hard to establish the technological infrastructure for ECSU's computer science department. She helped acquire grants from the United States Navy's Office of Naval Research, NASA, and the National Science Foundation for student scholarships, facility improvement, and student summer research seminars. Hayden talks about her work with NASA, NOAA (National Oceanic and Atmospheric Administration), the Geosciences Remote Sensing Society (GRSS), and the University of Cairo in Egypt.

Doctoral students--Mathematics.

Mathematics--Study and teaching (Higher).

Elizabeth City State University. Math and Computer Science Department--Faculty.

Grants-in-aid--Universities and colleges--United States.

Mathematicians--Intellectual life--20th century.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_006, TRT: 6:29:01 ?

Linda Hayden talks about her work at Elizabeth City State University. In 2002, Hayden was appointed as director of the Center for Excellence in Remote Sensing Education and Research (CERSER) program. In 2003, she received the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring by the National Science Foundation. In 2005, the Center for Remote Sensing of Ice Sheets (CRISIS) was established at the University of Kansas in

partnership with ECSU and four other universities. Hayden makes a concerted effort to include students, particularly underrepresented minorities, into her research projects. Her research has provided valuable contributions to cyber-infrastructure and polar science, particularly in regards to the melting glaciers and rising sea levels.

Elizabeth City State University--Faculty.

Remote sensing--Study and teaching (Higher)--United States.

Science--Mathematics--Engineering--Awards--United States.

Minorities--Education.

Polar regions--Remote sensing.

Video Oral History Interview with Linda Hayden, Section A2013\_044\_001\_007, TRT: 7:19:37 ?

Linda Hayden talks about her organizational affiliations and the presence of women in mathematics. She also shares her hopes and concerns for the African American community and reflects on her life choices and how she would like to be remembered. Finally, Hayden describes her photos.

African Americans--Professional associations.

Women in mathematics--United States.

Photographs.