

Biographical Description for The HistoryMakers® Video Oral History with Raymond L. Johnson

PERSON

Johnson, Raymond L.

Alternative Names: Raymond L. Johnson;

Life Dates: June 25, 1943-

Place of Birth: Alice, Texas, USA

Residence: Columbia, MD

Occupations: Mathematician;

Biographical Note

Mathematician Raymond L. Johnson was born on June 25, 1943 in Alice, Texas, a small town near Corpus Christi. He was raised by his mother Johnnie Johnson, his maternal grandmother Ethel Pleasant Johnson, and her second husband Benjamin Thompson. Growing up, it was Benjamin Thompson who taught Johnson how to read and do some arithmetic. This sparked an early interest in mathematics and allowed Johnson to skip the first two grades. Johnson attended a two room schoolhouse because the nearby grade school was segregated. With the help of his mentors, Larry O'Rear and Stan Brooks, Johnson excelled in high school mathematics. He went on to major in mathematics and received his B.A. degree from the University of Texas in 1963.

Once again, with the help and encouragement of a great mentor, Dr. Howard Curtis, Johnson applied and became one of the first African Americans to be admitted to Rice University. Two alumni sued the university to stop Johnson's entrance, but within the year, Rice University won the case. Johnson became a regular student, graduating with his Ph.D. degree in mathematics in 1969. After college, Johnson started his forty year career at the University of Maryland in College Park, becoming the first African American faculty member in the mathematics department. He began as an assistant professor in 1968 and became a full professor in 1980.

Johnson served as chair of the graduate studies department at the University of Maryland from 1987 to 1990. As chair, he founded several programs to eliminate barriers for minority students and to help increase the number of minorities and women in the Ph.D. program in mathematics. He received a Distinguished Minority Faculty Award for his work. Johnson was promoted to chair of the mathematics department in 1991, a position he held for five years. Johnson's mathematical work has focused in the area of harmonic analysis, the study of overlapping waves, which has roots in functions

related to trigonometry. He has contributed to over twenty-five publications on mathematics research. Johnson's current research focuses on applying harmonic analysis to study spectral synthesis. In 2007, Johnson was honored with the Mentor Award for Lifetime Achievement from the American Association for the Advancement of Science. In 2009, Johnson returned to Rice University to serve as a visiting professor. He has one son, Malcolm P. Johnson.

Raymond L. Johnson was interviewed by The HistoryMakers on August 17, 2012.

Related Entries

Dubose Intermediate [STUDENTOF]
[from ? to ?]

Grade 9

Carver Elementary [STUDENTOF]
[from ? to ?]

Grades 1-8

William Adams High School [STUDENTOF]
[from ? to ?]

High School Diploma

University of Texas at Austin [STUDENTOF]
[from ? to ?]

B.S. in math

Rice University [STUDENTOF]
[from ? to ?]

Ph.D. in math

ESSO PRDD RES [EMPLOYEEOF]
[from 1962 to 1962]

Summer Intern

University of Maryland, College Park [EMPLOYEEOF]
[from 1968 to 2009]

Assistant Professor, Associate Professor, Full Professor, Chair

Howard University [EMPLOYEEOF]
[from 1977 to 1979]

Visiting Professor

Rice University [EMPLOYEEOF]
[from 2009 to 2015]

Visiting Professor

American Mathematical Society [MEMBEROF]
[from ? to ?]

Various

Mathematical Association of America (MAA) [MEMBEROF]
[from ? to ?]

Various

National Association of Mathematicians (NAM) [MEMBEROF]
[from ? to ?]

Various

National Science Foundation (NSF) [MEMBEROF]
[from ? to ?]

MPS Board Member

Institute for Mathematics and its Applications (IMA) [MEMBEROF]
[from 1994 to ?]

Board Member

Spelman MIE [MEMBEROF]
[from 1996 to 2006]

Board Member

Mathematical Sciences Research Institute [MEMBEROF]
[from 1997 to 1998]

Board Member

Conference Board of the Mathematical Sciences [MEMBEROF]
[from 1998 to 2010]

Treasurer