

Biographical Description for The HistoryMakers® Video Oral History with Arlene Maclin

PERSON

Maclin, Arlene P.

Alternative Names: Arlene Maclin;

Life Dates: June 7, 1945-

Place of Birth: Rawlings, Virginia, USA

Residence: Washington, District of Columbia

Work: Washington, District of Columbia

Occupations: Physicist;

Biographical Note

Physicist and education administrator Arlene P. Maclin was born in Brunswick County, Virginia on June 7, 1945 to parents Otis Armstead and Alice Matthews Maclin. Maclin attended Hickory Run Elementary School and Rawlings Elementary School, and graduated from James Solomon High School in 1963. Upon graduation, Maclin enrolled at North Carolina Agricultural and Technical University, where she graduated with her B.S. degree in engineering physics in 1967. Maclin went on to earn her M.S. degree in theoretical nuclear physics from the University of Virginia in 1971, and her Ph.D. degree in theoretical solid state physics from Howard University in 1974.

Throughout her career, Maclin has served as a researcher and educational administrator for several major institutions. She served as a research physicist at MIT's Lincoln Laboratory and as a visiting scientist at Oak Ridge National Laboratory. In 1980, Maclin was appointed program director for the National Science Foundation, and from 1981 to 1983, she was the Senior Applied Research Physicist at the Central Intelligence Agency. Her academic service includes more than fifteen years of teaching at the levels of associate and full professors, and with administrative experience at the level of associate dean and director or of research. From 2002 to 2009, Maclin served as professor of optical engineering and director of the Intelligence Community Center for Academic Excellence at Norfolk State University, where she received research grants totaling \$10 million and developed graduate programs in optical engineering and electronics engineering. In 2011, Maclin was appointed as the executive director of the MAC-CAE Program and adjunct professor of physics at Morgan State University.

Maclin is a member of American Physical Society, the Institute of Electrical and

Electronics Engineers and the Materials Research Society. She served as the primary program staff for the Materials Science and Engineering Report and the International Survey of Atomic and Molecular Science, which were published by the National Research Council. For her many contributions and accomplishments, Maclin was selected for inclusion in Who's Who Among Black American, International Who's Who of Women, and Who's Who in America.

Arlene Maclin was interviewed by The HistoryMakers in January 14, 2013.

Related Entries

Howard University [STUDENTOF]
[from ? to ?]

Ph.D.

University of Virginia [STUDENTOF]
[from ? to ?]

M.S.

North Carolina Agricultural & Technical State University [STUDENTOF]
[from ? to ?]

B.S.

James Solomon Russell Middle School [STUDENTOF]
[from ? to ?]

Diploma

Rawlings Elementary School [STUDENTOF]
[from ? to ?]

Grade 7

Hickory Run Elementary School [STUDENTOF]
[from ? to ?]

Grades 1-6

Howard University [EMPLOYEEOF]
[from 199808 to 200206]

Associate Professor & Program Director

Norfolk State University [EMPLOYEEOF]
[from 200209 to 200908]

Professor of Optical Engineering & Project Director

Morgan State University [EMPLOYEEOF]
[from 1954 to ?]

Adjunct Professor of Physics, Project Director

Howard University [EMPLOYEEOF]
[from 1971 to 1975]

Lecturer and Associate Director, Comprehensive Sciences Program

Massachusetts Institute of Technology Lincoln Laboratory [EMPLOYEEOF]

[from 1975 to 1976]

Research Physicist

United States Congressional Office of Technology Assessment [EMPLOYEEOF]

[from 1978 to 1980]

Congressional Fellow

National Science Foundation (NSF) [EMPLOYEEOF]

[from 1980 to 1981]

Program Director

Central Intelligence Agency [EMPLOYEEOF]

[from 1981 to 1983]

Senior Applied Research Physicist

Oak Ridge National Laboratory [EMPLOYEEOF]

[from 1983 to 1985]

Visiting Scientist

National Research Council (NRC) [EMPLOYEEOF]

[from 1985 to 1988]

Program Staff Officer

Howard University [EMPLOYEEOF]

[from 1988 to 1992]

Associate Professor of Electrical Engineering

Hampton University [EMPLOYEEOF]

[from 1992 to 1994]

Director of Research and Professor of Physics

National Aeronautics and Space Administration (NASA) Langley Research Center

[EMPLOYEEOF]

[from 1994 to 1995]

Guest Scientist

Mnemonic Systems [EMPLOYEEOF]

[from 1996 to 1998]

Senior Business Developer

[MEMBEROF]

[from ? to ?]

Center for Integrated Access Networks [MEMBEROF]

[from 20080901 to 201110]

Director of Diversity

Delete [MEMBEROF]
[from 199009 to 1995]

Board Member

Center for Innovative Technology [MEMBEROF]
[from 19880901 to 199308]

Board Member