

Welcome to D.N.A. Discovering New Adventures HBCU connection. This page was created In an attempt to bring higher learning to your fingertips in one fell swoop. Part of our mission is to spark an interest in STEAM using pre-existing information and resources that are right under your nose with our unique platform. Please enjoy connecting to the many wonderful options that are available for aspiration and inspiration. Your adventure awaits!

DNA

DISCOVERING NEW ADVENTURES

SCIENCE



Dr. Lloyd Hall

(1894-1971)

Dr. Lloyd Hall's major accomplishment was his work in food sterilization and preservation that improved processes in food packing and preparation.

Dr. Marie M. Daly

(1921-2003)

Marie M. Daly is best known for being the first African American woman to receive a Ph.D. in chemistry in the United States.





Dr. Edward Alexander Bouchet

(1852–1918)

In 1876, Edward Alexander Bouchet became the first African American to earn a doctorate degree in the United States.

HBCUs THAT SUPPORT SCIENCE -

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DISCOVERING NEW ADVENTURES

TECHNOLOGY

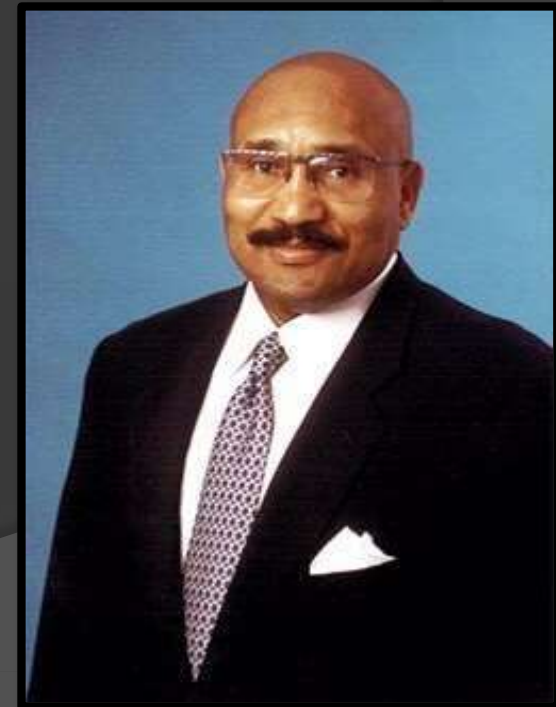


Dr. Shirley Jackson

Dr. Shirley Jackson was the first African-American woman to earn a doctorate in nuclear physics at MIT. Her experiments with theoretical physics paved the way for numerous developments in the telecommunication space including the touch-tone telephone, the portable fax, caller ID, call waiting, and the fiber-optic cable.

Emmitt McHenry

Emmitt McHenry co-founded Network Solutions, Inc., one of the early leading Internet domain services providers. In 1995, he founded NetCom Solutions International, a telecommunications and engineering company that has won awards from IBM and NASA, among other places.





Lisa Gelobter

If you ever enjoyed an animated GIF on the web, like this throwback clip of Soul Train, then you have Lisa Gelobter to thank. She has been integrally involved with the advent of several pioneering internet technologies, including Shockwave, the genesis of animation on the web, and the emergence of online video by way of Brightcove, Joost, and The FeedRoom .

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DISCOVERING NEW ADVENTURES

ENGINEERING



Mary Jackson

(1921-2005)

Mary Jackson, NASA's first Black female engineer, who along with pioneering mathematicians Katherine Johnson and Dorothy Vaughan helped NASA send the first American to space.

Lewis Latimer

(1848-1928)

Lewis Latimer, an inventor and engineer who created an improvement to Thomas Edison's light bulb, which burned out too quickly.





Jerry Lawson

Jerry Lawson, a self-taught engineer who became the first major Black video game engineer and designer. Lawson created the first cartridge-based video game console.

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- [Alabama A & M University](#)
- [Tennessee State University](#)
- [Virginia State University](#)
- [Clayton University](#)
- [Prairie View A & M University](#)
- [Southern University and A & M College](#)
- [South Carolina State University](#)
- [Kentucky State University](#)
- [Texas Southern University](#)
- [Langston University](#)
- [Elizabeth City State University](#)
- [Johnson C Smith University](#)
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- [Central State University](#)
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DISCOVERING NEW ADVENTURES

ARTS

Jacob Lawrence

(1917–2000)

Jacob Lawrence was one the most renowned African American artist of his time.

Known for producing narrative collections like the Migration Series and War Series, he illustrated the African American experience using vivid colors set against Black and brown figures. He also served as a professor of art at the University of Washington for 15 years.



Augusta Savage

(1892-1962)

Augusta Savage was an American sculptor associated with the Harlem Renaissance.

She was also a teacher whose studio was important to the careers of a generation of artists who would become

nationally known. She worked for equal rights for African Americans in the arts.



Gordon Parks

(1912–2006)



Gordon Parks was an American photographer, musician, writer and film director, who became prominent in U.S. photojournalism in the 1940s through 1970s — particularly in issues of civil rights, poverty and African Americans. He is best remembered for his iconic photos of poor Americans in the 1940s, for his photo essays for Life magazine, and as the director of the 1971 film Shaft.

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- [Le Moyne Owen College](#)
- [St Philip's College](#)
- [Bennett College](#)

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DISCOVERING NEW ADVENTURES

MATHEMATICS



Benjamin Banneker

(1731-1806)

Banneker, a mostly self-educated man in mathematics and astronomy, is best known for building America's first clock—a wooden device that struck hourly. Using his rich understanding of trigonometry and astronomy, he accurately predicted a solar eclipse in 1789.

Katherine Johnson

(August 26, 1918 –)

Katherine Johnson was a mathematician best known for her major contributions to the United States' aeronautics and space programs with the early application of digital electronic computers. Her work was recently recognized and featured in the movie *Hidden Figures*.





Gladys West

(1930 --)

Gladys West was a mathematician born and raised in Virginia, who was known for leveraging her mathematical and programming expertise to invent an accurate model of the Earth which was used as the foundation for the creation of the Global Positioning System (GPS). She was the second black woman ever to be employed by the Naval Surface Warfare Center Dahlgren Division and was inducted into the United States Air Force Hall of Fame—one of the highest honors awarded by the Air Force.

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