

THE INSTITUTE OF BLACK
INVENTION AND TECHNOLOGY

TIBIT CONNECTIONS



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TIBIT BRINGS THE EXHIBIT TO YOU!

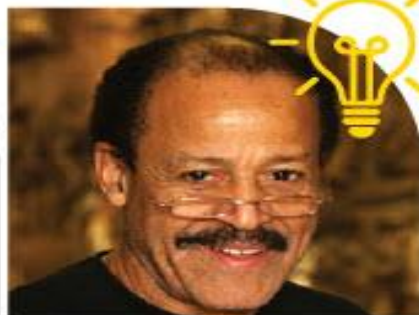
TIBIT is the only traveling museum in the country that educates audiences of all age groups about African American inventors and innovators in the fields of science, technology, engineering, art, and math/medicine (STEAM), displaying both original and reproduced artifacts. TIBIT was founded by Carroll and Sandra Lamb in 2005 in Amherst, MA. The traveling museum is now located in Kansas City, Missouri. Please visit TIBIT's website at www.tibit.biz to learn more about the various exhibits and programs.

SPOTLIGHT INVENTORS



DONYA DOUGLAS-BRADSHAW:

Since the age of ten, she knew that she wanted to be an aerospace engineer. She began at NASA as an intern while in high school and is now Project Manager at NASA for Lucy, which is involved in asteroid exploration. While working at NASA, she helped to create the technologies in temperature control to avoid loss of performance in spacecraft, in the Hubble Space Telescope, and in personal computers.



EDWARD (ED) DWIGHT:

Born in Kansas City, Kansas, Dwight is a sculptor, author, and former test pilot. He was also America's first African American astronaut candidate. As a child, he had a passion for art and later returned to his passion as a talented sculptor. His art studio in Denver became the largest privately owned production and marketing facility in the western United States. He is also recognized as the innovator of the negative space technique in art.



PATRICIA S. COWINGS:

The first African American woman scientist to be trained as an astronaut by NASA is an aerospace psycho-physiologist. While working at NASA Ames Research Center, she developed and patented a physiological training system called Autogenic-Feedback Training Exercise (AFTE). This system assists astronauts to control their heart rate, blood pressure, motion sickness, and to improve their performance during high-stress tasks.

A MESSAGE FROM TIBIT's...



EXECUTIVE DIRECTOR

Dear Friends,

As we welcome in a new year, I hope this message finds you and your family safe and healthy. You perhaps would agree that 2020 has proven to be one of the more volatile and challenging years, not only in the U.S., but for the world as well.

How will you remember 2020? Will you remember it as the year of open protests against racial injustice, a standout year for natural disasters, for its unprecedented presidential election or for the overarching global pandemic which still has a grasp on this country and the world? Regardless of how 2020 remains in your memory, please also remember some good things that grew out of all the unfortunate aspects we faced during the year, like more stay-at-home time with your family, discovering alternative benefits of modern technology, the selfless dedication of those in the medical profession in support of those with COVID-19 as well as those who risked their lives to keep the economy going.

We have witnessed the devastating impact the coronavirus has had on human life and felt the pangs of economic stress which have tested us all. May you continue to have the courage, resiliency, determination, and gratitude to embrace 2021.

What's Ahead for TIBIT:

- More publishing – in addition to our quarterly newsletter, a children's book is in the works.
- Deeper engagement/partnerships with community organizations and schools.
- Continuing to add to our exhibits by including more current inventors and innovators.
- Capitalizing on technology – posting a weekly story hour on YouTube, as well as conducting quarterly interviews with modern day African American inventors/innovators.
- Exploration and research on creating a virtual museum.

TIBIT's resolution is to continue to work to improve and advance our exhibits so that when our environment becomes safer and you begin to plan your face-to-face events, please consider contracting with TIBIT for an African American Exhibit customized to your needs.

SUPPORT TIBIT

The Institute of Black Invention & Technology, Inc. (TIBIT) is a 501(c)(3) non-profit organization that brings a traveling exhibit to colleges, universities, private, charter & public K-12 schools, conferences, museums, libraries, corporations, festivals, living rooms, senior living facilities and cultural events. TIBIT's exhibits instill pride and increase cultural awareness by providing a better understanding of the historic African American experience. With your support and donations, TIBIT will be able to continue bringing these experiences to more people around the country. Visit www.tibit.biz and click on Donations.

BLACK WOMEN in STEAM



DR. JEANETTE EPPS

In an interview at a NASA press event, Jeanette recalled that when she was nine years old, her brother came home and looked at her and her twin sister's grades and said, "You know you guys can become aerospace engineers or even astronauts." That seemed reasonable to Jeanette because she was always interested in math and science and dreamed of working for NASA. Her first encounter with NASA was as a NASA Fellow from 1996 to 1999 while in graduate school. Jeanette earned a Doctor of Philosophy degree in Aerospace Engineering in 2000 at the University of Maryland. After graduation, she worked at Ford Motor Company in their Scientific Research Laboratory. While at Ford, she received a provisional patent and a U.S. patent from researching automobile collision detection and countermeasure systems. In 2003, she worked for the CIA as an analyst of foreign weapons systems. Jeanette was selected to become a NASA astronaut in 2009, and in May 2018, Epps was all set to become the first African American female to join the crew on the International Space Station, but none of this happened, as she was reassigned. In an interview, Epps said she could not speculate why she was pulled from the mission just months before the launch date, but despite everything, Dr. Epps is expected to ride Boeing's CST-100 Starliner capsule on its first operational mission to the space station which is scheduled to launch in 2022.



DID YOU KNOW? A Little Known Black Inventor Fact...

Julie Stewart designed recipes, cooked, enforced FDA regulations, and staged food for photos, from Stouffer's shipping department to the test kitchen. Her recipe for Salisbury Stroganoff was selected and approved for the Apollo 11 astronauts.

PLANTING THE STEAM SEED



There are many YouTube videos on African American astronauts. Select a few to watch with your child/ren. Ask which one they enjoyed the most and why. An older child may do additional research on a particular astronaut and write a paper report on them.



HELPING GIRLS TO EXPLORE STEAM

GIRLS' STEAM/ ENTREPRENEURSHIP SUMMIT

Haile Thomas, TIBIT's second featured speaker at the 2018 Girls' Summit, is now 19 years old. Haile was the youngest graduate from the Institute for Integrative Nutrition as a Certified Integrative Nutrition Health Coach. She describes herself as a wellness-compassion activist, speaker, CEO of the nonprofit HAPPY (Healthy, Active Positive, Purposeful Youth). She is also the author of the book "Living Lively," which was named one of Delish's Best Cookbooks of 2020. Since the pandemic, Haile has continued to host her LIVE interview series with young people who are making a difference in the world, delivers organic farm boxes to families in partnership with DIG Feeds, and hosts two sessions of Self-Care Summer Camp on Zoom. These sessions are done with the intent of providing the hope and tools for mental resilience.



VICTOR GLOVER JR.

Victor Glover Jr. made history on Sunday, November 15, 2020, by becoming the first African American to begin a full six-month stint on the International Space Station. This is Glover's first space flight, and he is serving as pilot and second-in-command on the Crew-1 SpaceX Crew Dragon, named Resilience. While in space their activities will include scientific experiments, robotic operations, and space walks. Glover, a California native, was selected by NASA in 2013 and trained for seven years. He did this after serving as a Navy Commander, test pilot, and a legislative fellow in the U.S. Senate. Glover is a graduate of California Polytechnic State University, where he earned three masters' degrees in three years: in flight test engineering, systems engineering, and military operations art and science. Glover is married to Dionna Odom and they have four daughters.



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