

The Juneteenth Essay Contest

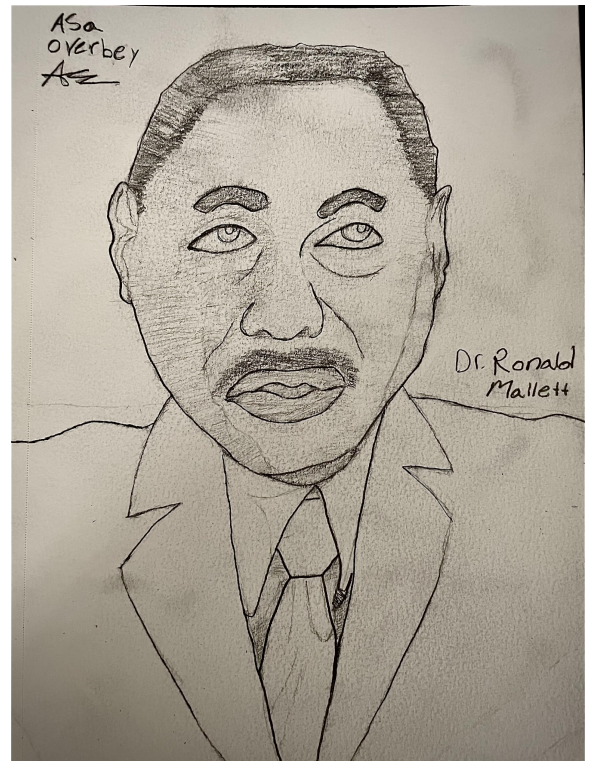
By

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When it comes down to notable black physicists that have done great and broken barriers, there is an abundance of them. However, the most unique and compelling black physicist that I have noticed, along with having contributions relating to STEM and inspiring myself represented in STEM, would be Dr. Ronald Mallett.

Dr. Ronald Mallett was born March 30th in 1945 and grew up in the Bronx, New York City (Mallett, R. 2006).

At a young age his dad would give him scientific toys such as a gyroscope and crystal radio sets. Unfortunately, Dr. Mallett's father had an untimely death, and did not get to see his son become the scientist he was grooming him to be. Dr. Mallett became inspired to become a physicist in remembrance of his father (Mallett, R. 2006). He used his grief to study hard and find a creative way to use his research.



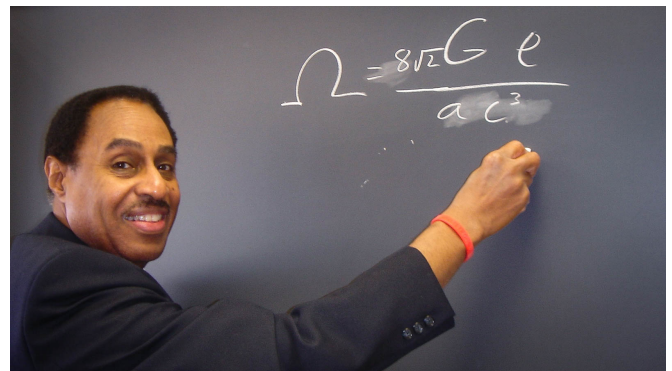
One may ask why I am drawn to Dr. Mallett's research in physics. Well at a young age not long ago, one of my favorite movies is called Back to Future, where Michael J. Fox, known as Marty in the movie, and Christopher Lloyd known as Doc Brown, are trying to build a time machine to alter future events.

I learned of Dr. Mallett's work from a book at the library on display for black history month. The summary described what he was trying to do with his research and how he was trying to create a time machine (Mallett, R. 2006). This was fascinating to me, I have always loved science and math in school, but rarely knew a black scientists that I would like to follow.

Dr. Mallet has inspired me, with how he used Quantum cosmology which relates to quantum physics (What is quantum physics? Caltech Science Exchange. n.d.). Therefore his research at the fundamental level was to figure out how to manipulate matter and energy to theoretically build a time machine.

I've always been interested in technology and applied science, especially when I found out about Dr. Ronald Mallett. Technology is where we involve science to produce devices that can perform different tasks as well as solve problems.

If I could talk with Dr. Mallett or work with him like in a summer internship of sorts. I would like to bring to the table my skills in mathematics, robotics, and computer software skills I have learned in school. I would like to see his mathematical equations on



The velocity and density of matter And energy. Then use my coding and mathematical skills to collect data and see where the gaps are, so we can resurrect his idea of a time traveling machine. This would be a dream come true to work with this genius and become a co creator with Dr. Mallett.

Bibliography:

1. Mallett, R. (2021, October 13). *'I invented a time machine' | Ron Mallett time travel documentary | my ...* Youtube. Retrieved May 19, 2022, from <https://www.youtube.com/watch?v=-9DPNO22he4>
2. *What is quantum physics?* Caltech Science Exchange. (n.d.). Retrieved May 20, 2022, from <https://scienceexchange.caltech.edu/topics/quantum-science-explained/quantum-physics>