Hi, I'm Harriet.



TALKING HISTORY

with

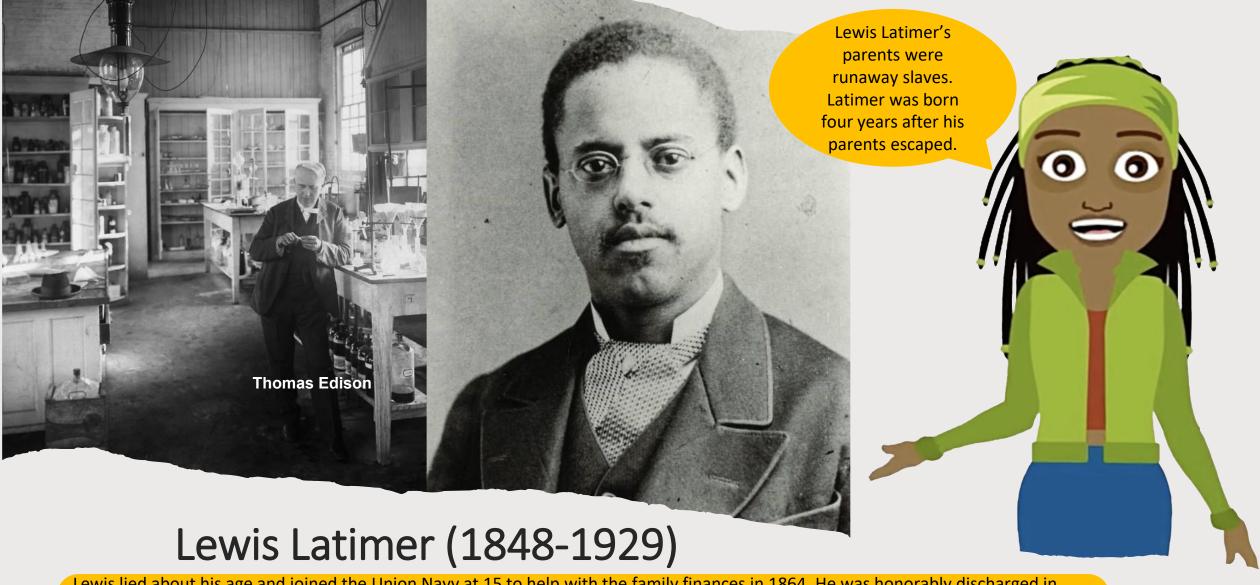
Harriet and Roxanne™ Essential Black Scientists And I'm Roxanne. Join us for..





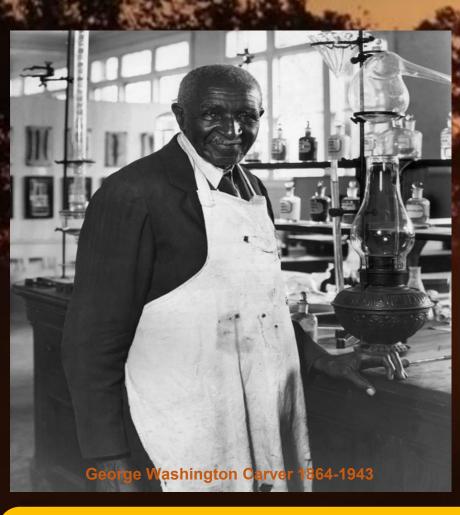






Lewis lied about his age and joined the Union Navy at 15 to help with the family finances in 1864. He was honorably discharged in 1865. Lewis taught himself mechanical drawing and became an expert draftsman. He joined Thomas Edison's lab in 1884 and was the only black of 24 "Edison Principles," the engineering division of the Edison System, to work with Edison. Lewis developed a longer-lasting filament for the lightbulb that helped Edison secure his patent for the lightbulb; without these improvements, the lightbulb would only last a few days. Latimer also helped draw up the patent for Alexander Bell's telephone. He also secured patents for his inventions, such as the Locking Rack for Hats, Coats, & Umbrellas in 1896 for hotels.

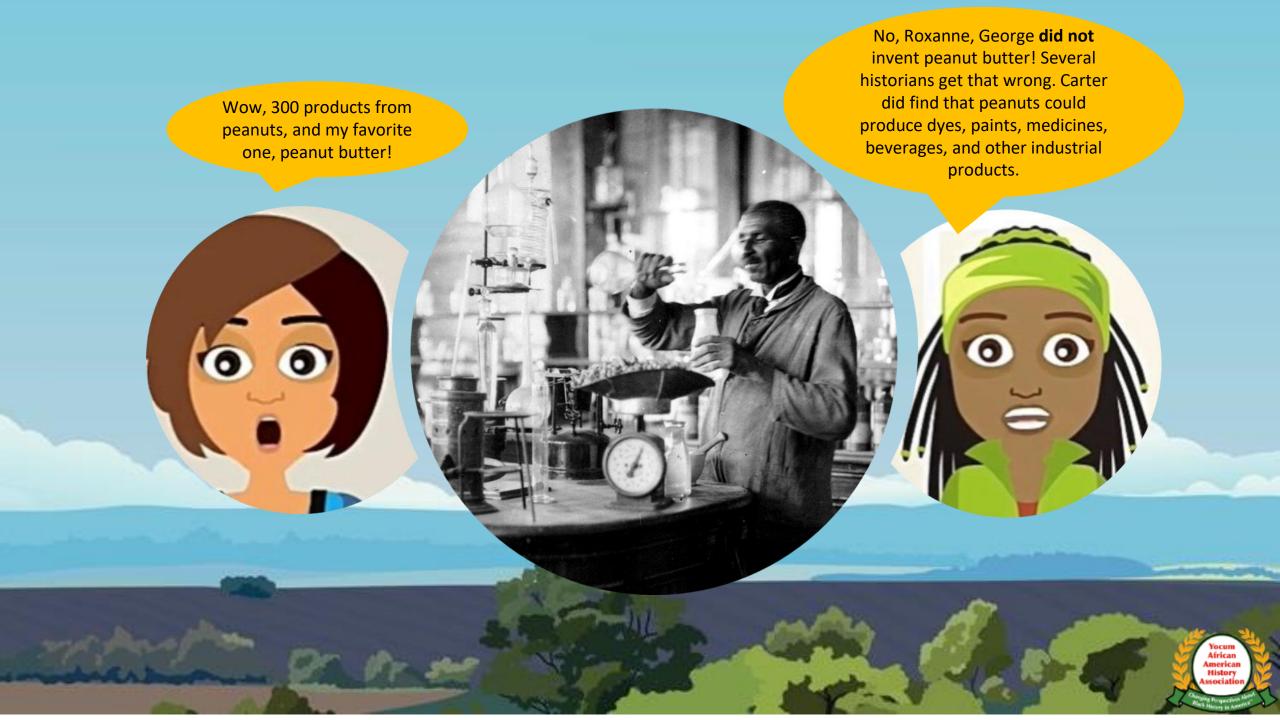




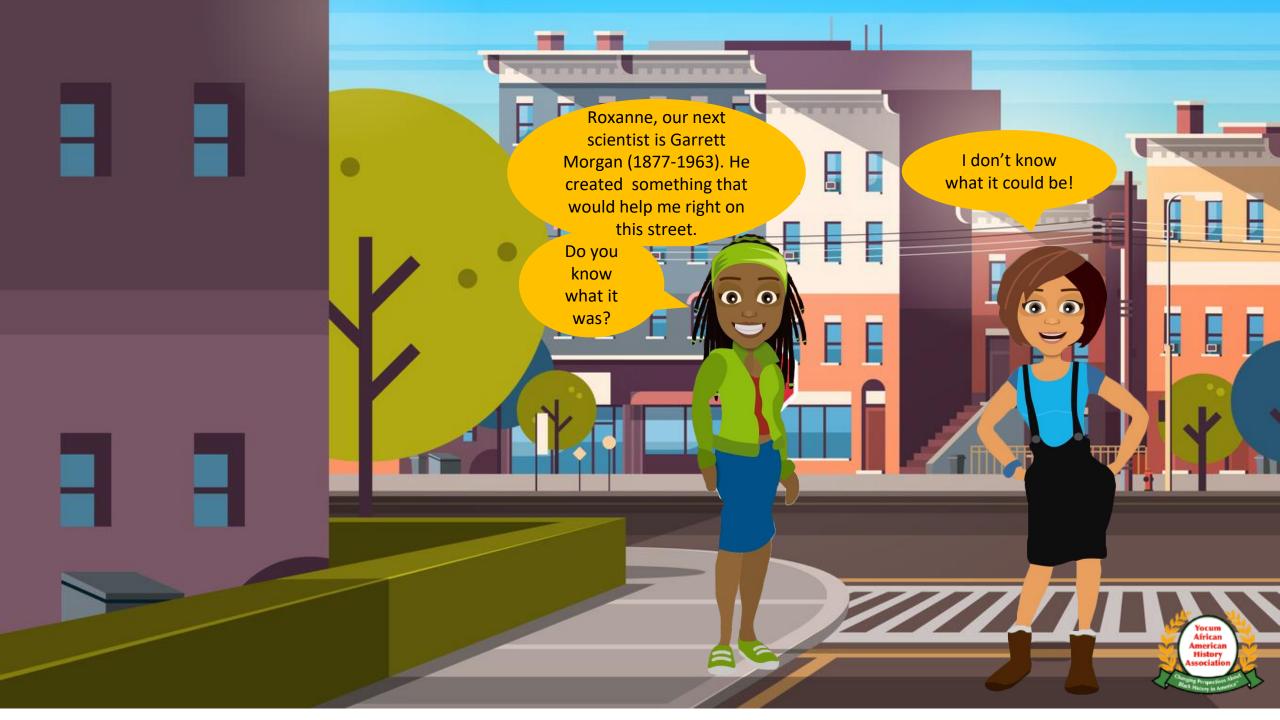
George Washington Carver (1864-1943) was born a slave in Missouri one year before the end of the Civil War. He was raised by Moses and Susan Carver. As George pursued his education, he faced discrimination, but his self-determination to get an education would not be denied.

George was one of the most prominent scientists from the 20th century. Carver loved nature and God and wanted to help former slaves be self-sufficient and in a practical way. After receiving his master degree in 1896, George was offered a teaching position by Booker T. Washington at Tuskegee Institute. Carver loved teaching and research. He developed the Jesup Agricultural Wagon to be a mobile laboratory to help farmers. Carver developed 300 uses for peanuts and 100 uses for sweet potatoes making them very profitable crops.





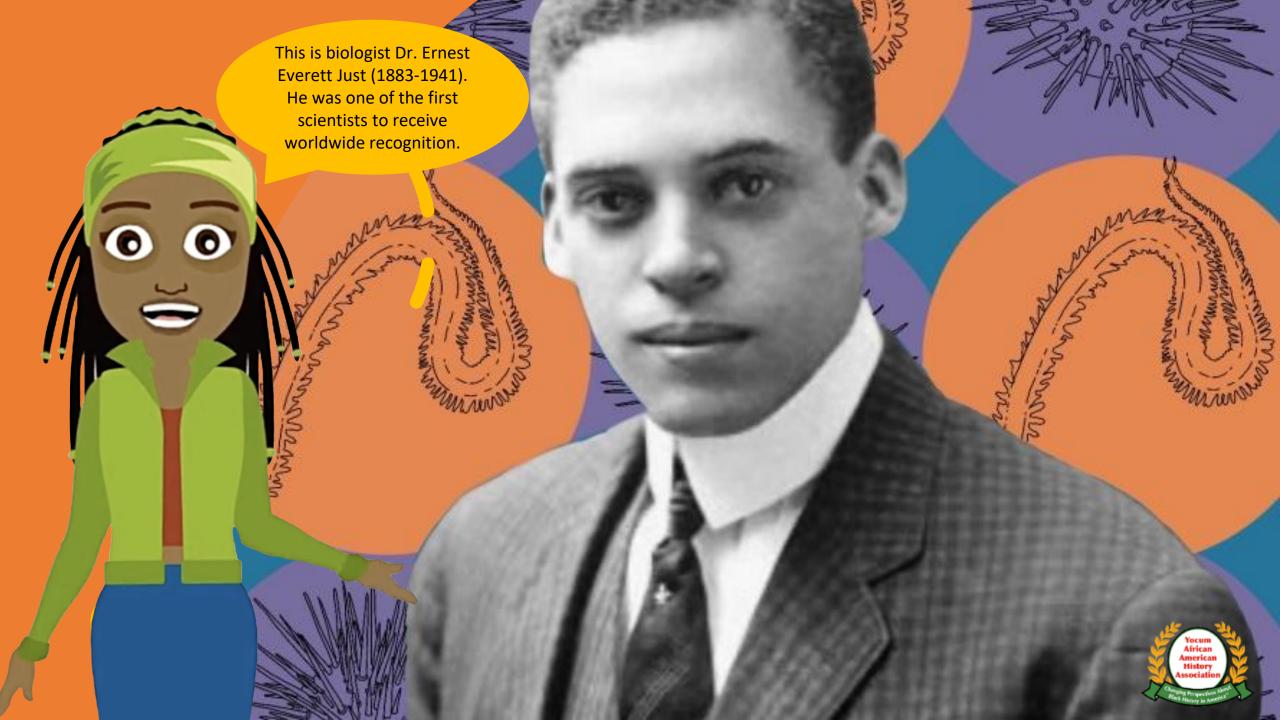






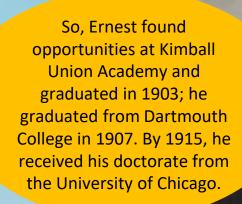


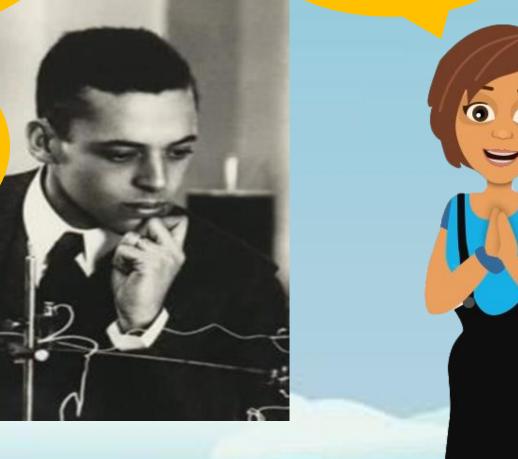




Roxanne, Ernest grew up in very difficult times, after he turned six, Reconstruction ended, and blacks were disenfranchised. The passing of *Plessy v. Ferguson* in 1896 would make getting a good education as a black man more difficult in the South.

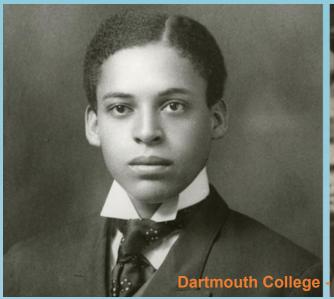
It is amazing that he continued against the odds to make science his career.



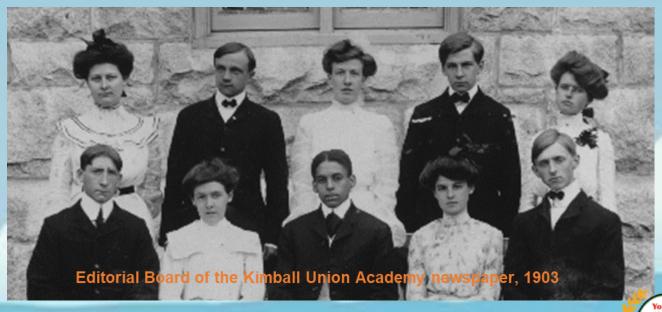












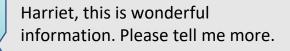
This is the Marine Biological Laboratory (MBL) at Woods Hole, Massachusetts where Ernest's interest in science flowered. He spent the summers from 1909 to 1941 as researching along with Dr. Frank R. Lillie., the head of the Zoology Department at the University of Chicago.

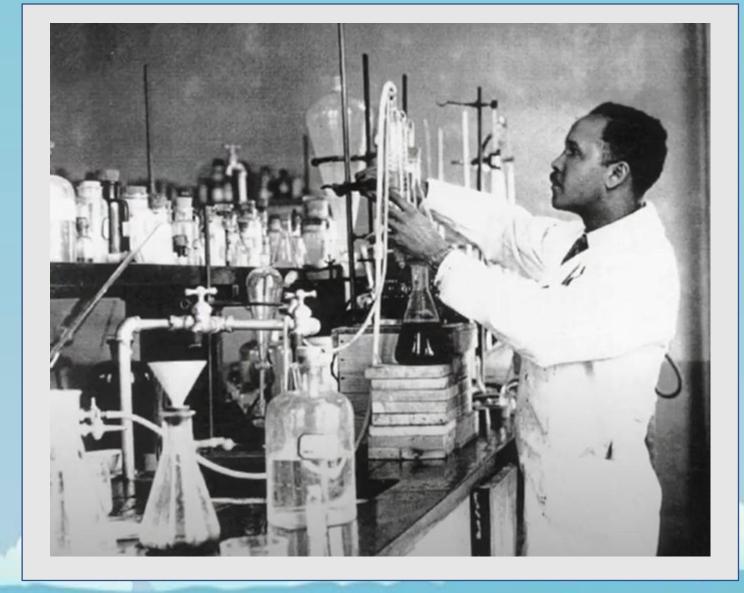






Dr. Julian was a pioneer research chemist. He was born in Alabama and had a tenth-grade education when he was accepted to DePauw University as a probationary student. He took high school classes while taking his first year and second year classes at DePauw. By the time he graduated in 1920, he was the class valedictorian. Two years later, he received a master's from Harvard University. In 1931 he went to Vienna to receive his Ph.D. in organic chemistry and began his experiments with the soybean plant, which was the cornerstone of his many scientific achievements. Julian would acquire more than 100 patents for his work.







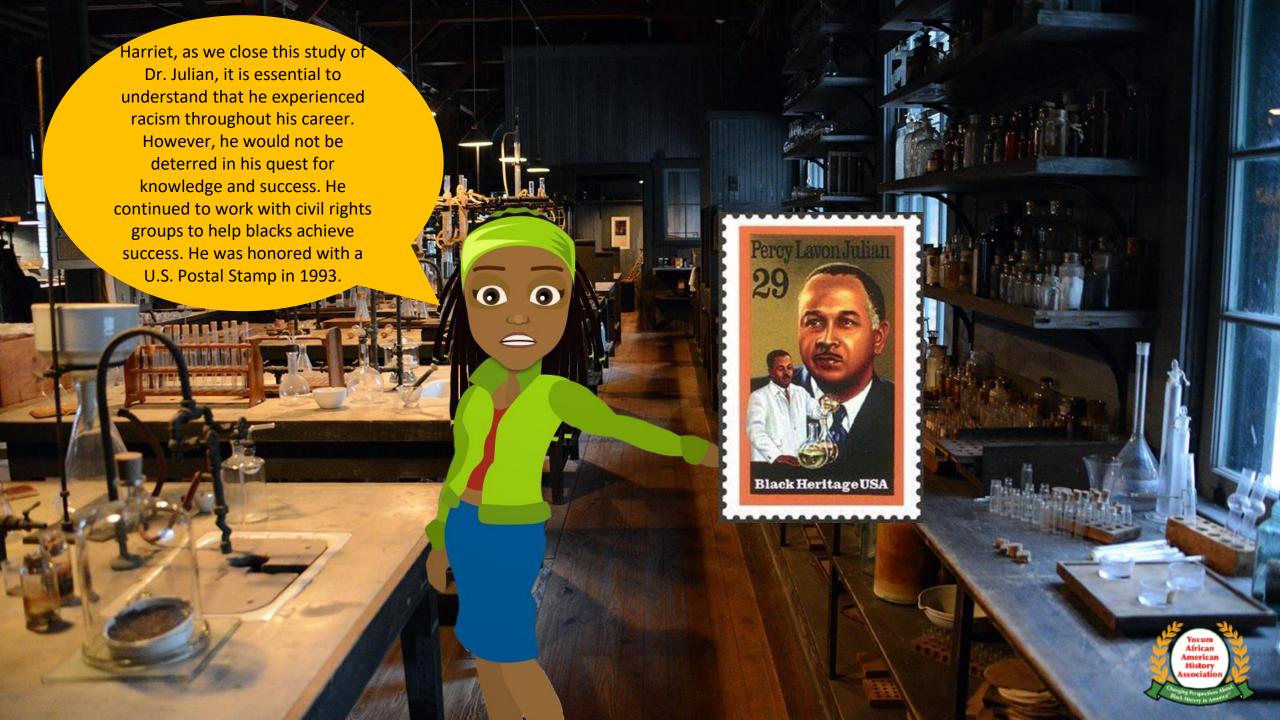


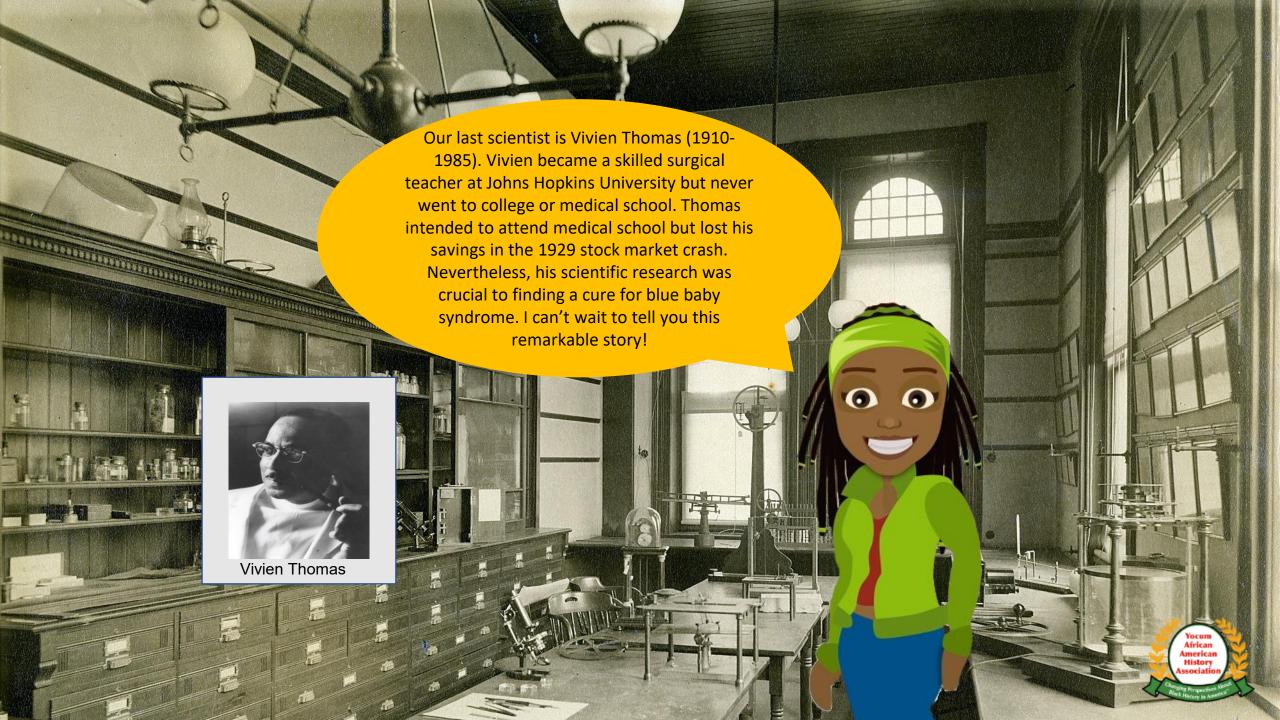


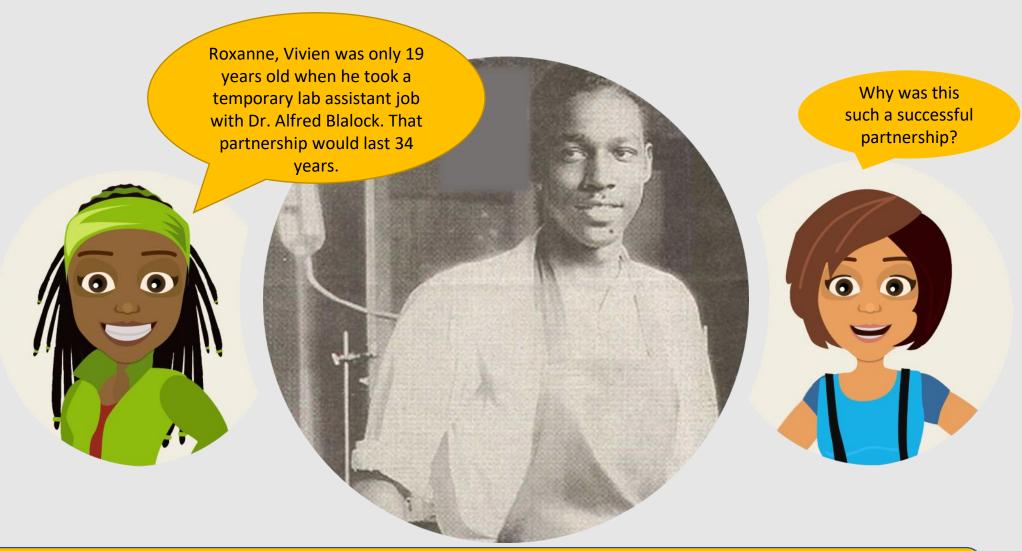


Dr. Julian developed many products from the soybean. He created a flame retardant that saved the navy countless lives during WWII. Julian developed medicines to help fight cancer, glaucoma, and synthetic cortisone that was less costly to relieve arthritis symptoms. Dr. Julian was elected to the National Academy of Sciences and the National Inventors Hall of Fame. He was the head of the Chemistry Department at Howard University.



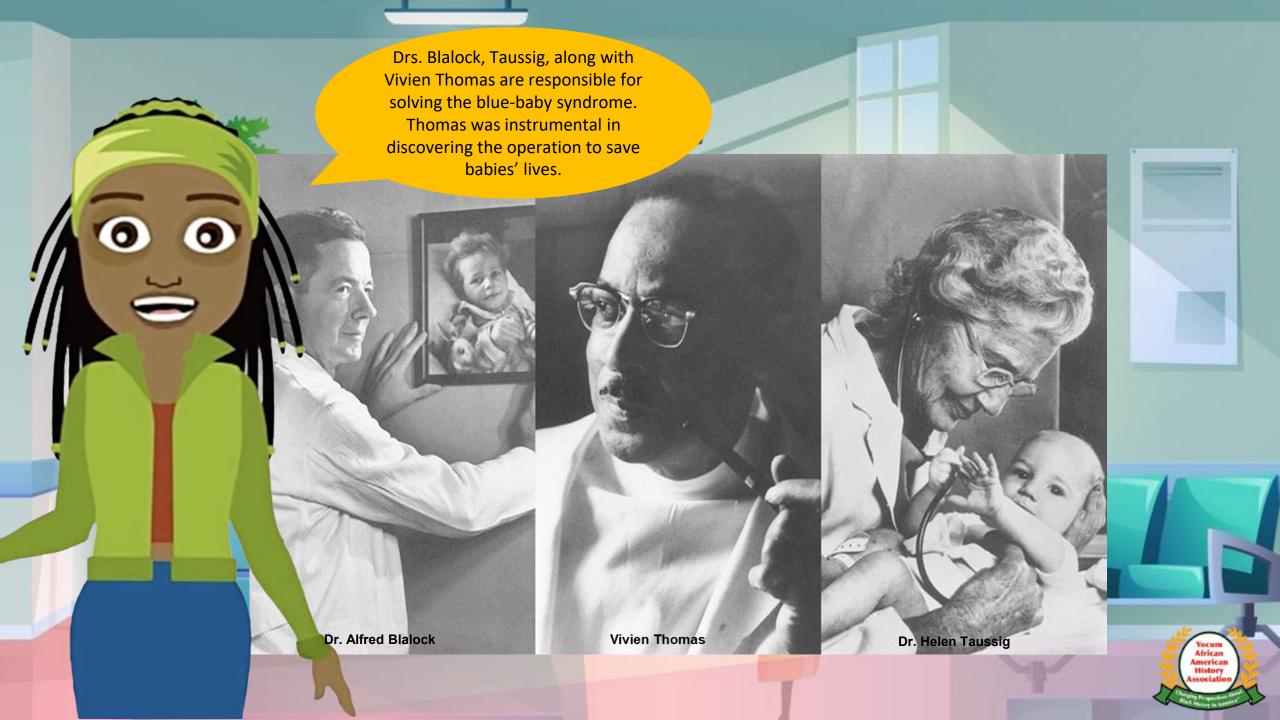


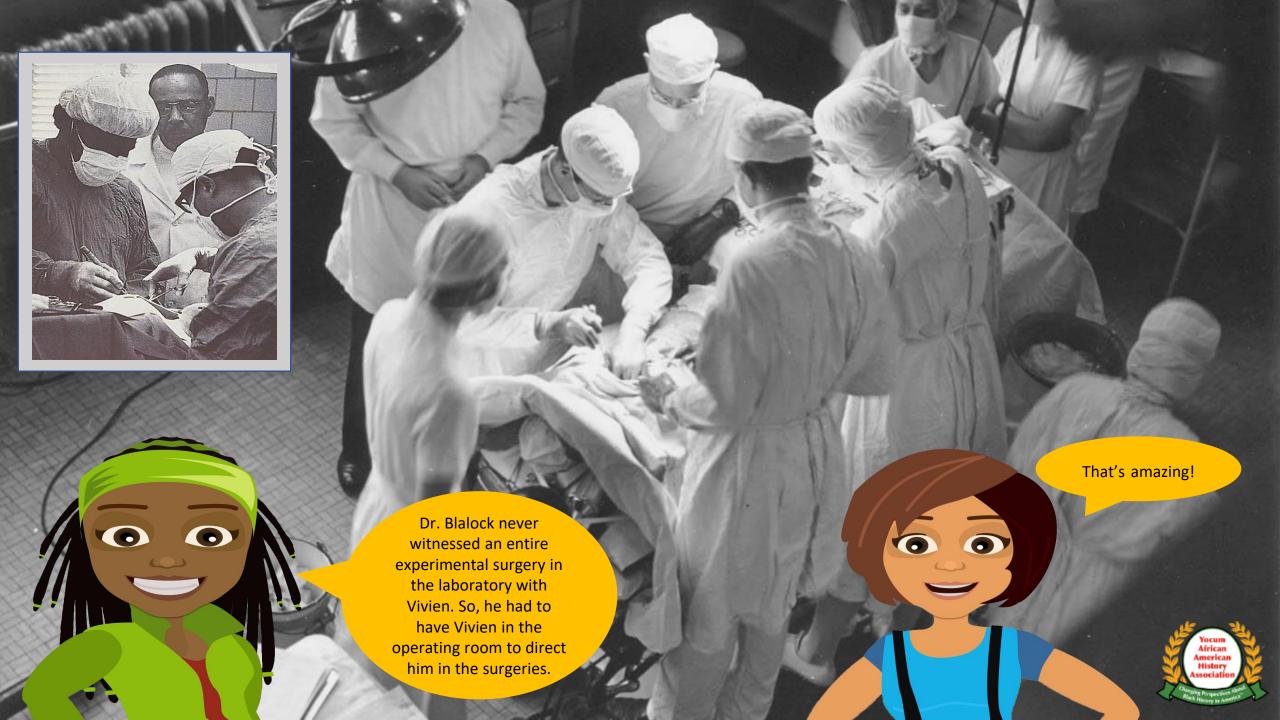




Dr. Blalock needed a full-time lab assistant and wanted someone who could duplicate what he could do and what he could not do. Vivien was gifted, intelligent, and skilled, and could operate. So, Dr. Blalock left Vanderbilt and took Vivien to Johns Hopkins University in 1940. Thomas was now in charge of the laboratory. The only other blacks employed at Johns Hopkins were black janitors, so seeing him running down the hall in a white lab coat opened spectators' eyes.











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