

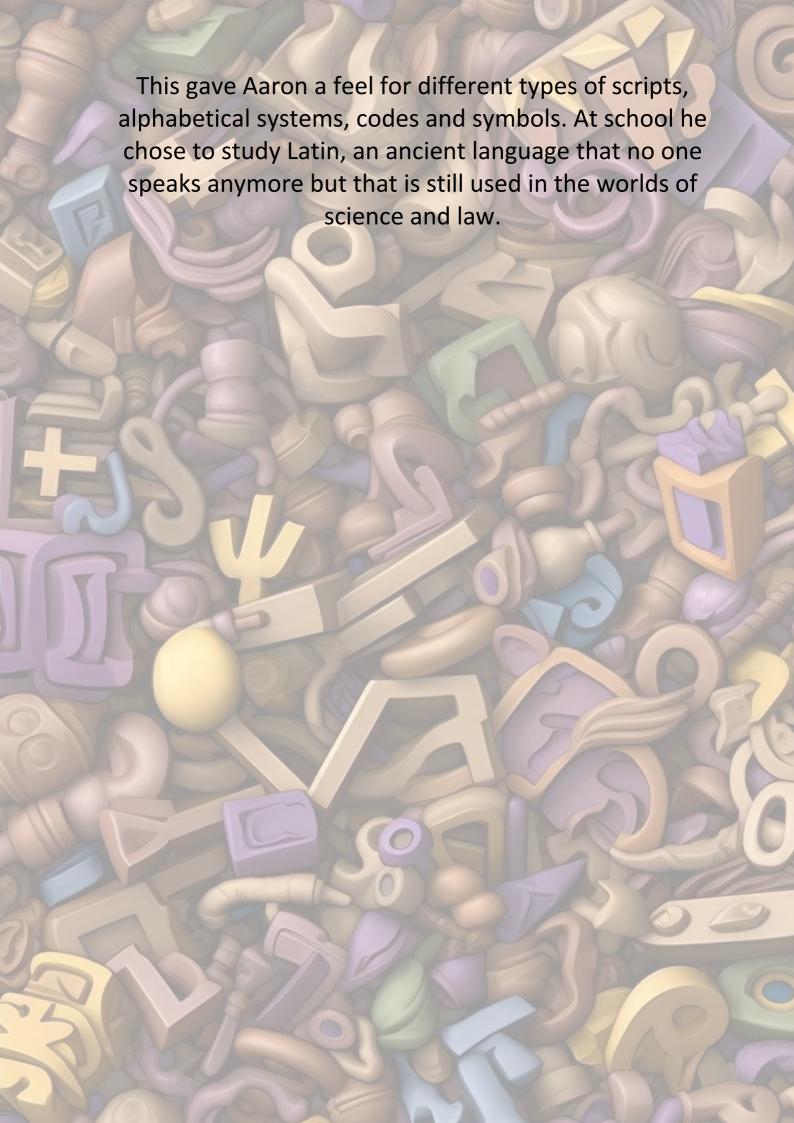


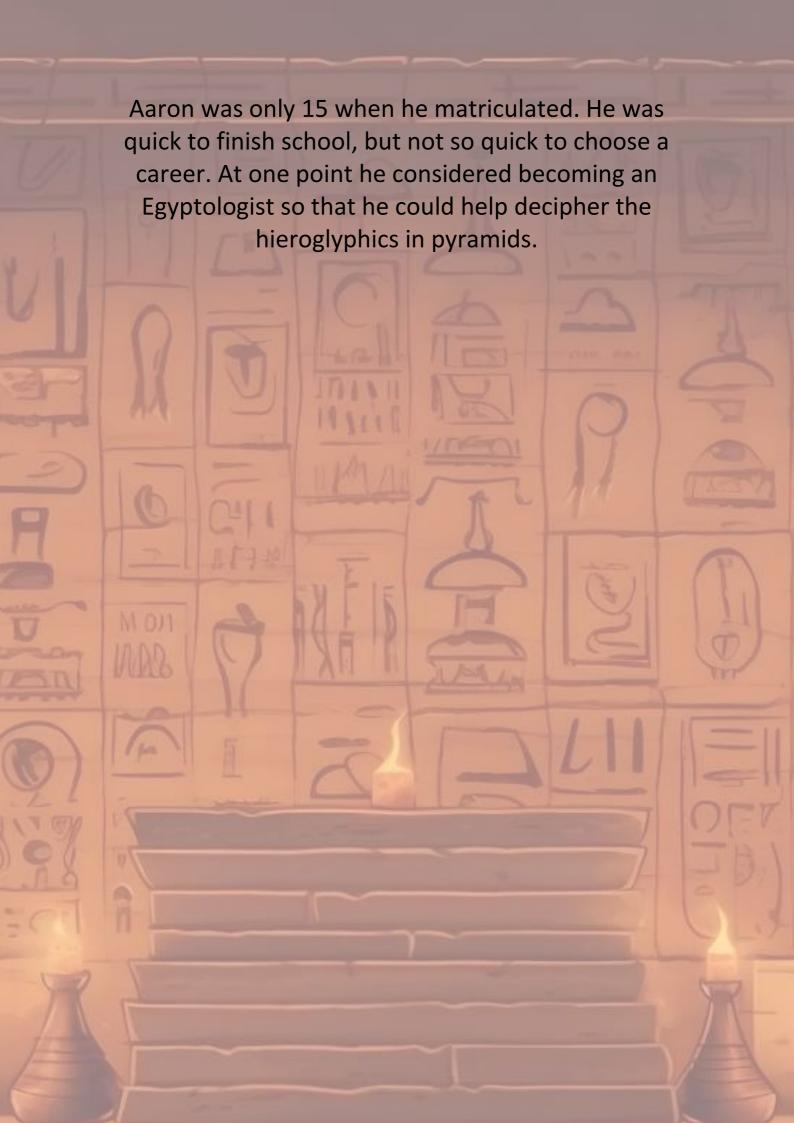
Aaron was only two years old when, in 1928, he moved with his parents from Lithuania in Eastern Europe to South Africa. They settled in Durban, where family of his mother, Bella, already lived. His father, Lazar, found a job in the local leather industry.

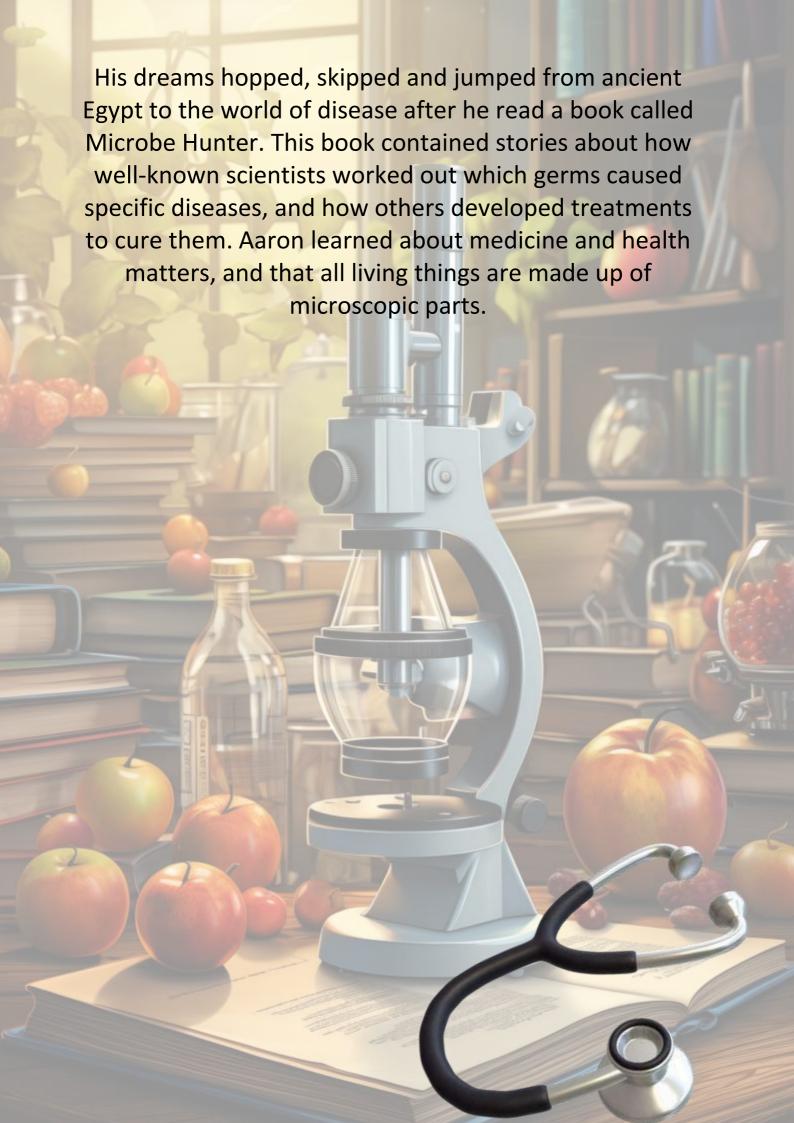


Because Aaron's family was Jewish, he learned how to speak and write Hebrew. Instead of the ABCs of English, the language has its own script of 22 letters. It is written from right to left on a page, and not left to right as is the case with most other languages.







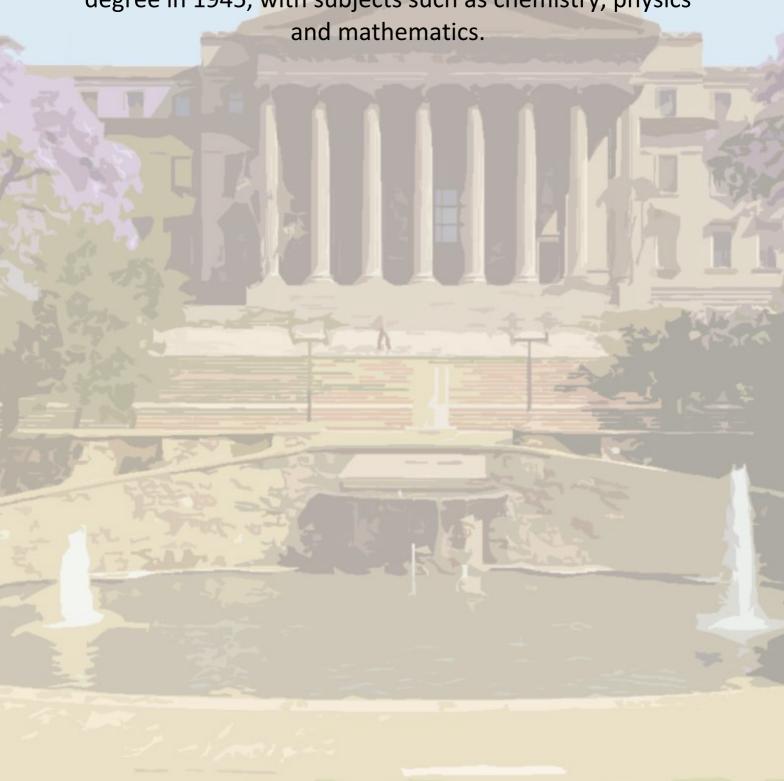


He excitedly tried to explain to his family what he was learning: 'There are so many unresolved medical mysteries that are just as difficult to decipher and solve as hieroglyphics. I'm going to study microbes and find out all I can about the tiniest of viruses, bacteria and cells on Earth.'



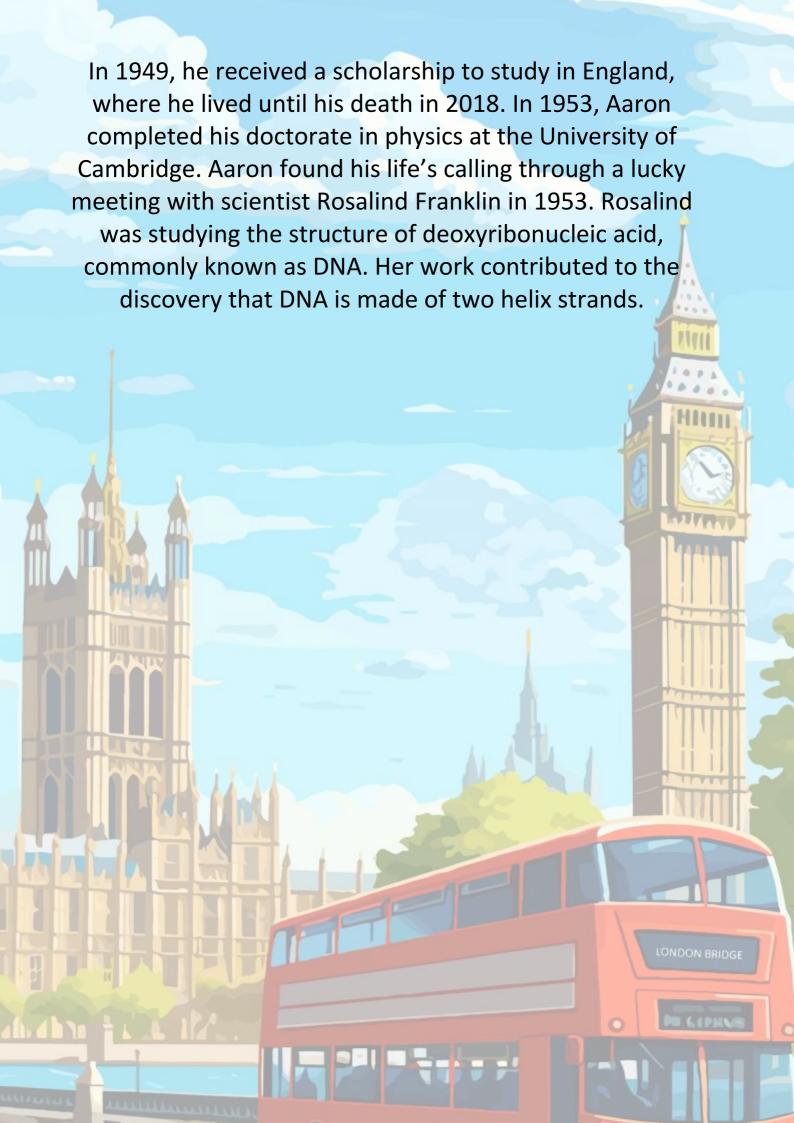
Still with only a vague idea of what he was going to do,
Aaron started studying at the University of the
Witwatersrand to become a doctor. It seemed like the best
idea at the time.

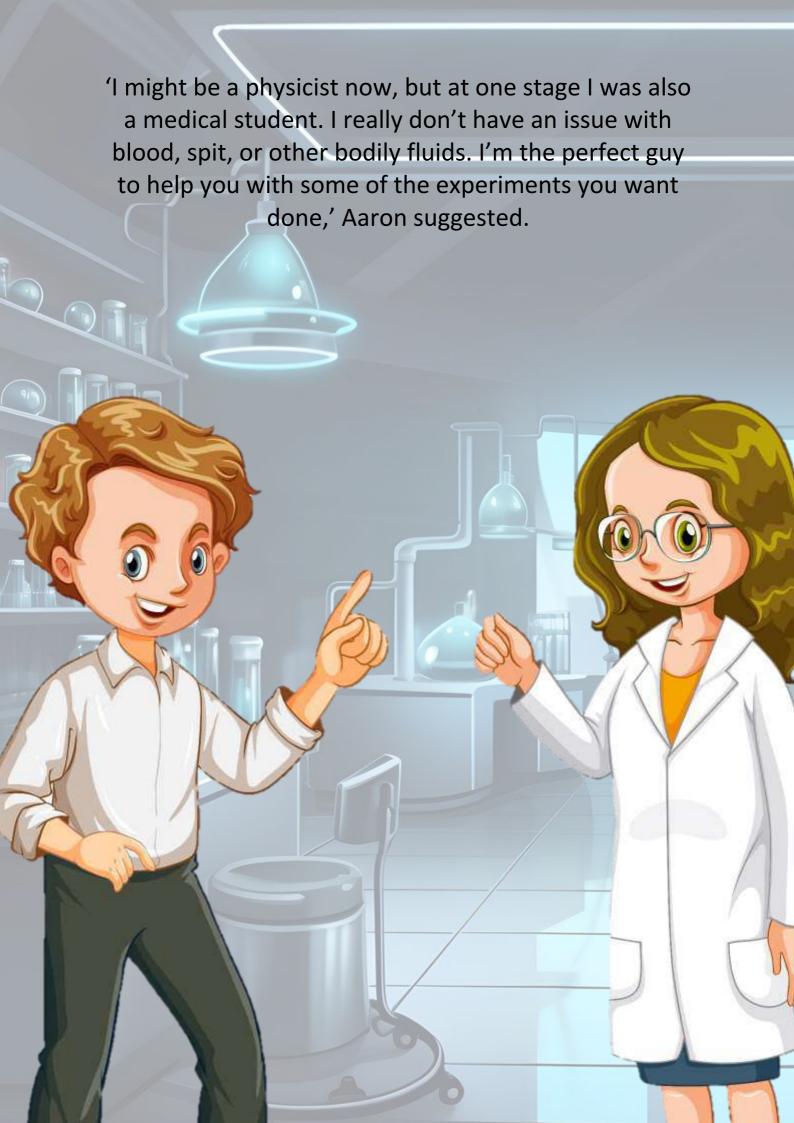
The One Big Plan for this bright young man's life kept eluding him, however, and he never actually graduated as a doctor. It took him four years to finally get his first science degree in 1945, with subjects such as chemistry, physics and mathematics.



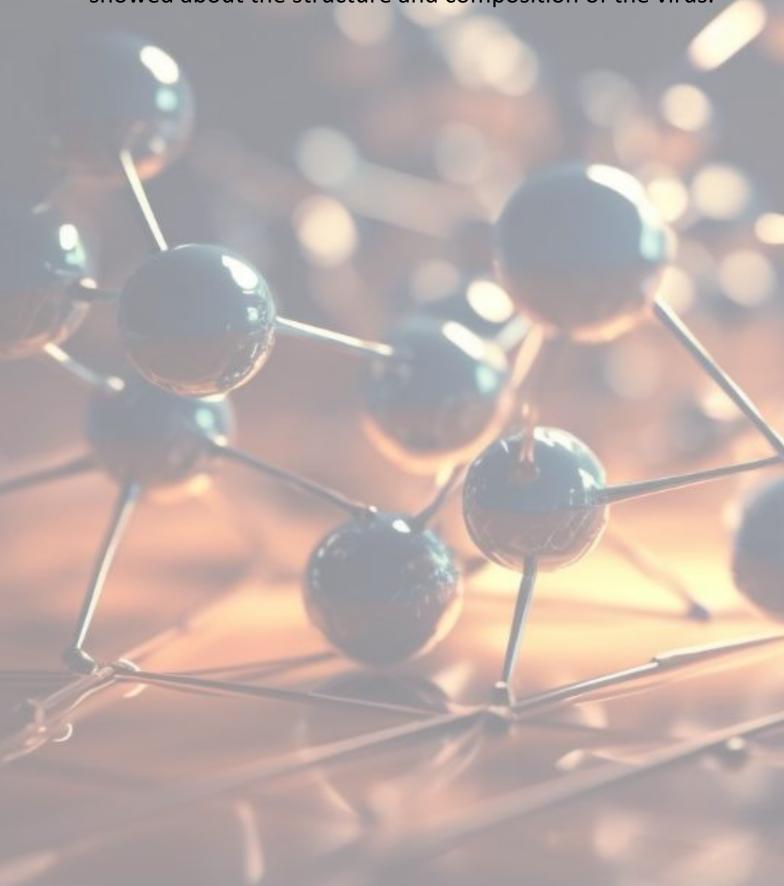
In 1946, he obtained a master's degree from the University of Cape Town and began teaching physics. He used X-rays to study the composition of different types of materials and matter. On weekends he often hiked up Table Mountain.

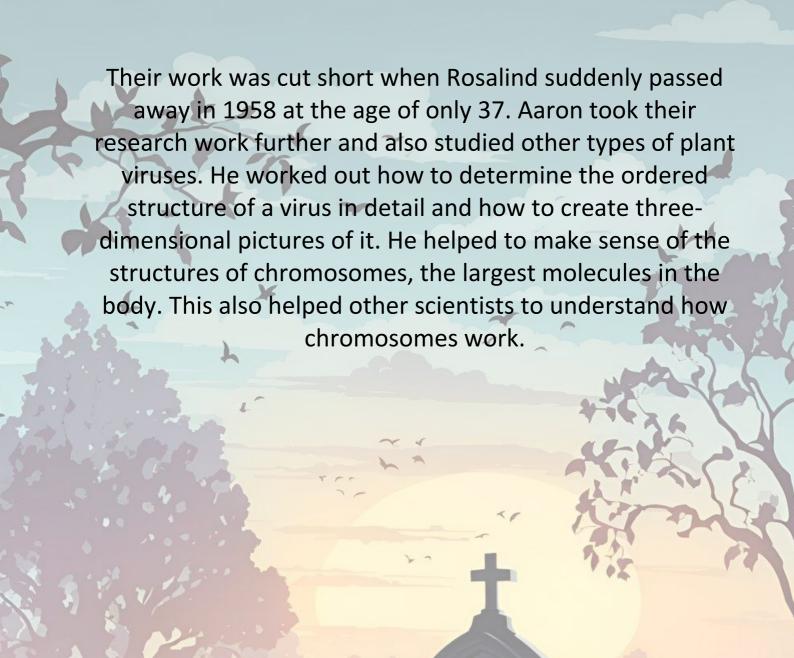






He got the job, Rosalind used X-rays to study the tobacco mosaic virus. It was the first virus people knew of that attacked plants. Aaron used his love of numbers and solving puzzles to help her make sense of what the X-ray images showed about the structure and composition of the virus.





Other scientists have since used electron tomography to take two-dimensional digital images from different angles of the pieces of which membranes, muscle fibres and chromosomes are made. Thanks to clever computer programs, these images are all combined into threedimensional digital images that can be rotated on a computer screen and viewed from all sides.

Thanks to his sense of curiosity and wonder about the world, Aaron became an excellent scientist. He worked at the University of Cambridge for 50 years, until he retired in 2012. He served as president of the Royal Society, one of the world's most prestigious clubs for scientists. In 1988, Queen Elizabeth II of Britain knighted him, and he could subsequently use the title 'Sir before his name.

