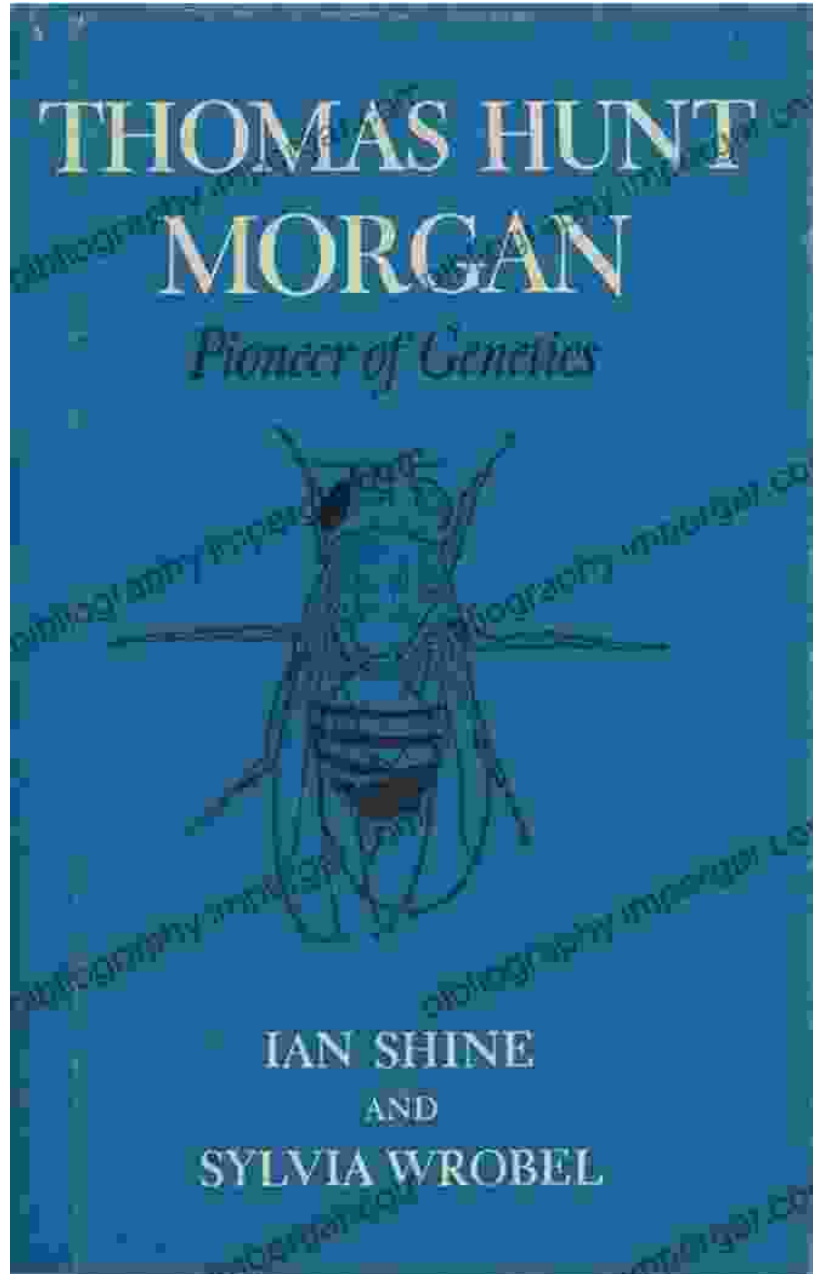


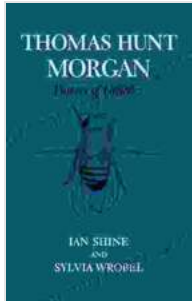
Thomas Hunt Morgan: The Pioneer of Genetics



Early Life and Education

Thomas Hunt Morgan was born on September 25, 1866, in Lexington, Kentucky. His father was a lawyer and his mother was a teacher. Morgan

showed an early interest in science, and he began studying zoology at the University of Kentucky at the age of 16. He graduated from the University of Kentucky in 1886 and went on to earn a Ph.D. in zoology from Johns Hopkins University in 1890.



Thomas Hunt Morgan: Pioneer of Genetics by Ian Shine

★★★★★ 5 out of 5

Language : English
File size : 2572 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 178 pages



Early Career

After earning his Ph.D., Morgan taught zoology at Bryn Mawr College and Columbia University. In 1904, he became the head of the Department of Zoology at Columbia University. Morgan's early research focused on embryology, but he soon became interested in genetics.

Work on *Drosophila melanogaster*

In 1908, Morgan began working with the fruit fly *Drosophila melanogaster*. *Drosophila* is a small, easy-to-breed fly that is ideal for genetic research. Morgan and his students used *Drosophila* to study a variety of genetic phenomena, including sex-linked inheritance, linkage, and crossing-over.

Morgan's work on *Drosophila* helped to establish the chromosome theory of inheritance. This theory states that genes are located on chromosomes

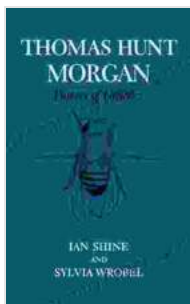
and that the inheritance of traits is determined by the組み合わせ of alleles that an offspring inherits from its parents.

Nobel Prize and Later Career

In 1933, Morgan was awarded the Nobel Prize in Physiology or Medicine for his work on the genetics of *Drosophila melanogaster*. He continued to work on genetics until his death in 1945.

Legacy

Thomas Hunt Morgan is considered to be one of the founders of modern genetics. His work on the genetics of *Drosophila melanogaster* helped to establish the chromosome theory of inheritance and provided a foundation for future research in genetics. Morgan's legacy continues to inspire scientists today.



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