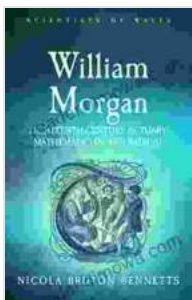


# Eighteenth Century Actuary Mathematician And Radical Scientists Of Wales: Unsung Pioneers of Enlightenment Science

The 18th century witnessed a remarkable flourishing of scientific advancements, and Wales played a pivotal role in this intellectual revolution. This article delves into the lives and contributions of exceptional Welsh actuaries, mathematicians, and radical scientists who left an indelible mark on the history of science. Their groundbreaking work shaped actuarial science, advanced mathematical techniques, and challenged established scientific paradigms.



## William Morgan: Eighteenth-Century Actuary, Mathematician and Radical (Scientists of Wales)

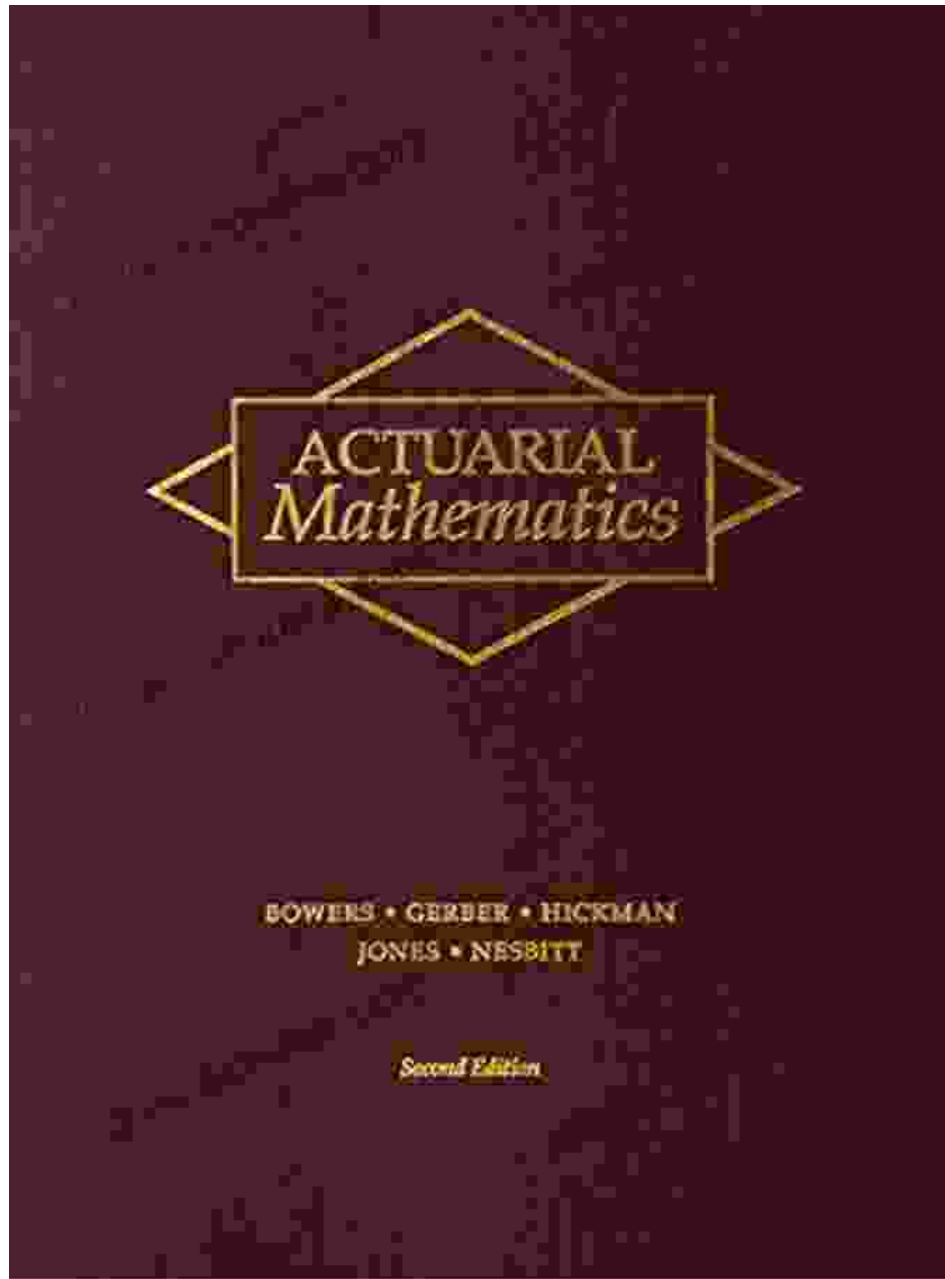
by Temitope James

★★★★★ 5 out of 5

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## The Actuary Pioneers



Edward Jones, a prominent figure in the field of actuarial science, hailed from Wales. His influential treatise, "A Treatise on Annuities and Reversions," published in 1745, became a foundational text for actuaries. Jones's rigorous mathematical approach revolutionized the understanding of annuities and risk assessment, shaping the modern financial services industry.

Another notable actuary, John Price, made significant contributions to the development of life insurance. His research and tables on mortality rates provided a scientific basis for determining life insurance premiums, enhancing the sustainability and fairness of the insurance industry.

## **Mathematical Luminaries**



William Jones, a brilliant mathematician and versatile scholar.

William Jones, a brilliant mathematician and linguist, played a pivotal role in the advancement of mathematics in the 18th century. His "Synopsis Palmariorum Matheseos" (1706) became a widely used textbook for mathematics education. Jones's work on number theory, algebra, and geometry pushed the boundaries of mathematical knowledge and laid the groundwork for future discoveries.

Another mathematical luminary, David Thomas, was known for his contributions to calculus. His "Treatise on Fluxions" (1736) introduced innovative techniques for solving complex mathematical problems, expanding the scope and applicability of calculus.

## Radical Scientists



The influence of Welsh scientists extended beyond mathematics and actuarial science. Richard Price, a prominent philosopher and scientist, was a leading figure in the Enlightenment. His bold ideas on political economy, probability theory, and ethics challenged conventional wisdom and stimulated intellectual discourse.

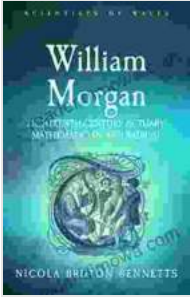
William Williams, another radical scientist, was a vocal advocate for the rights of dissenters. His writings on natural history, astronomy, and social issues combined scientific observations with a deep concern for human well-being.

## **Legacy and Impact**

The contributions of these Welsh actuaries, mathematicians, and radical scientists have had a profound impact on the development of science and society. Their pioneering work laid the foundations for modern actuarial practices, advanced mathematical techniques, and challenged established scientific paradigms. Their intellectual legacy continues to inspire and inform scholars and practitioners in various fields today.

The 18th century witnessed a remarkable convergence of talent and intellect in Wales, producing a cohort of exceptional actuaries, mathematicians, and radical scientists. Through their groundbreaking work, they pushed the boundaries of scientific knowledge, shaped modern financial practices, and sparked intellectual revolutions. Their enduring legacies serve as a testament to the transformative power of curiosity, innovation, and the pursuit of truth.

**William Morgan: Eighteenth-Century Actuary,  
Mathematician and Radical (Scientists of Wales)**



by Temitope James

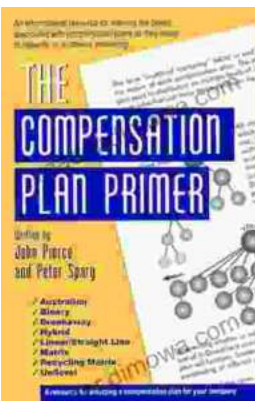
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