

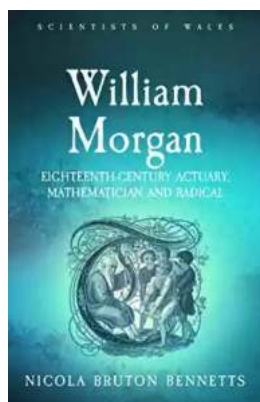
The Revolutionary Minds of Eighteenth-Century Actuary Mathematicians and Radical Scientists in Wales

In the vibrant intellectual landscape of the eighteenth century, Wales witnessed the rise of extraordinary individuals who not only revolutionized the field of mathematics but also challenged the conventions of their time.

The Actuary Mathematicians

One such remarkable figure was Thomas Price, a Welsh actuary mathematician who made significant contributions to the field during the eighteenth century. Price's work on risk assessment and probability theory laid the foundation for modern actuarial science, a field that deals with assessing and managing financial risks.

Price's mathematical prowess was far ahead of his time. His groundbreaking methods for calculating life expectancy and determining insurance premiums were used to predict, with remarkable accuracy, the mortality rates of individuals or groups of people. These actuarial calculations, which Price refined and formalized, brought about a revolution in the insurance industry.



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

by Temitope James (Kindle Edition)

★★★★★ 5 out of 5

Language : English

File size : 5150 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Word Wise	: Enabled
Print length	: 313 pages
Paperback	: 292 pages
Item Weight	: 9.94 pounds
Dimensions	: 6.1 x 0.7 x 9.25 inches



Another prominent actuary mathematician of the time was William John. Known for his intellectual brilliance and meticulous attention to detail, John introduced new concepts into the actuarial profession, including the idea of "risk factors" that could affect insurance premiums. His work helped shape the actuarial field, providing a more comprehensive understanding of risk assessment.

The Radical Scientists

In addition to the actuary mathematicians, eighteenth-century Wales also hosted a group of radical scientists who challenged traditional beliefs and paved the way for modern scientific thought.

One such figure was Dr. William Morgan, a Welsh chemist who conducted ground-breaking research in the field of chemical reactions. Morgan's experiments led to the discovery of new elements and compounds, expanding our understanding of the periodic table. His work contributed significantly to advances in chemistry, providing the basis for future breakthroughs in this dynamic field.

Another radical scientist of the time was Dr. Elizabeth Lewis, a Welsh astronomer known for her pioneering work in celestial mechanics. Lewis's mathematical equations and observations of celestial bodies provided groundbreaking insights into the movements and interactions of stars, planets, and other heavenly bodies.

Her work laid the groundwork for future advancements in astronomy and helped scientists deepen their understanding of the cosmos.

The Legacy of These Revolutionary Minds

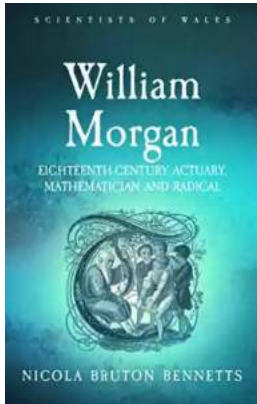
The contributions of these eighteenth-century actuary mathematicians and radical scientists were nothing short of revolutionary. Their innovative ideas and groundbreaking research pushed the boundaries of knowledge and paved the way for the scientific advancements of the modern world.

Today, their ideas continue to inspire current and future generations of mathematicians, scientists, and researchers. Actuaries still rely on the principles and formulas established by Price and John to assess risks and make informed decisions. Meanwhile, chemists and astronomers build on the discoveries made by Morgan and Lewis, unraveling the mysteries of the universe.

The intellectual climate fostered in eighteenth-century Wales remains an enduring testament to the power of human curiosity and innovation. These extraordinary individuals, with their long-lasting legacies, remind us of the immense potential of the human mind and its ability to reshape our understanding of the world.

The eighteenth century witnessed the emergence of revolutionary thinkers in Wales, both in the fields of actuarial mathematics and scientific exploration. Their contributions not only paved the way for advancements in their respective fields but continue to shape our world today. Through their intellectual prowess and radical ideas, they challenged convention and pushed the boundaries of knowledge. The legacy of these remarkable individuals is a testament to the power of human curiosity and the enduring impact of their revolutionary minds.

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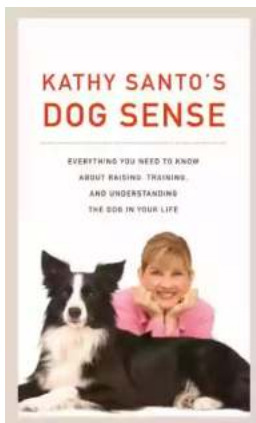
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To meet William Morgan is to encounter the eighteenth-century world of finance, science and politics. Born in Bridgend in 1750, his heritage was Welsh but his influence extended far beyond national borders, and the legacy of his work continues to shape life in the twenty-first century. Aged only twenty-five and with no formal training, Morgan became actuary at the Equitable, which was then a fledgling life assurance company. Known today as ‘the father of the actuarial profession’, his pioneering work earned him the Copley Medal, the Royal Society’s most prestigious award. His interests covered a wider scientific field, and his papers on electrical experiments show that he unwittingly constructed the first X-ray tube. Politically radical, Morgan’s outspoken views put him at risk of imprisonment during Pitt’s Reign of Terror. This biography, using unpublished family letters, explores Morgan’s turbulent private life and covers his outstanding public achievements.

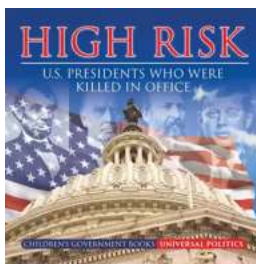
‘William spent 56 years at the Equitable Life Assurance Company, where he learnt how to understand and manage financial risk. In 1789, for his work on the mathematics of life assurance, he was awarded the Copley Medal, the Royal Society’s most prestigious decoration. Subsequent generations have hailed him as ‘the father of the actuarial profession’ – recognition of his having established many of the rules and standards on which the science is based.’

Read more about this on page 6 of the Booklaunch <https://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&edid=eacd7c66-df5c-4335-86ee-cad05c826bda>



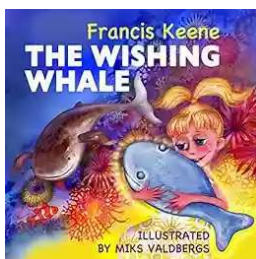
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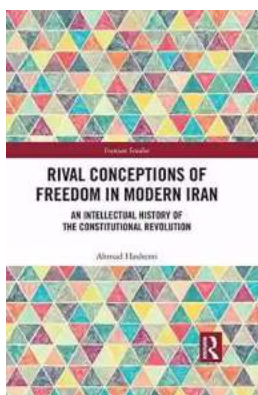
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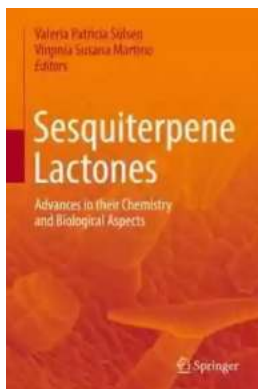
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