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Longitude-Dava Sobel 2010-07-05 The dramatic human story of an epic scientific quest and of one man's forty-year obsession to find a solution to the thorniest scientific dilemma of the day--"the longitude problem." Anyone alive in the eighteenth century would have known that "the longitude problem" was the thorniest scientific dilemma of the day-and had been for centuries. Lacking the ability to measure their longitude, sailors throughout the great ages of exploration had been literally lost at sea as soon as they lost sight of land. Thousands of lives and the increasing fortunes of nations hung on a resolution. One man, John Harrison, in complete opposition to the scientific community, dared to imagine a mechanical solution-a clock that would keep precise time at sea, something no clock had ever been able to do on land. Longitude is the dramatic human story of an epic scientific quest and of Harrison's forty-year obsession with building his perfect timekeeper, known today as the chronometer. Full of heroism and chicanery, it is also a fascinating brief history of astronomy, navigation, and clockmaking, and opens a new window on our world.

Longitude-Dava Sobel 2011-04-28 The dramatic human story of an epic scientific quest: the search for the solution of how to calculate longitude and the unlikely triumph of an English genius. With a Foreword by Neil Armstrong.

Longitude-Dava Sobel 2007-02-01 Anyone alive in the eighteenth century would have known that "the longitude problem" was the thorniest scientific dilemma of the day--and had been for centuries. Lacking the ability to measure their longitude, sailors throughout the great ages of exploration had been literally lost at sea as soon as they lost sight of land. Thousands of lives and the increasing fortunes of nations hung on a resolution. One man, John Harrison, in complete opposition to the scientific community, dared to imagine a mechanical solution--a clock that would keep precise time at sea, something no clock had ever been able to do on land. "Longitude" is the dramatic human story of an epic scientific quest and of Harrison's forty-year obsession with building his perfect timekeeper, known today as the chronometer. Full of heroism and chicanery, it is also a fascinating brief history of astronomy, navigation, and clockmaking, and opens a new window on our world.

The Theory and Practice of Finding the Longitude at Sea Or Land-Andrew Mackay 1793

Longitude by Wire-Richard Stachurski 2009 At the turn of the nineteenth century, even the most experienced mariners were still risking catastrophe when navigating the North American coastline, because they lacked accurate navigational charts. The various means available to chart makers of the era to measure longitude, both celestial and terrestrial, could be off by thousands of feet -- often deadly for ships. In 1807 the U. S. Coast Survey was created to map the coast accurately and reduce the costly and deadly toll of shipwrecks, a challenge that would take the better part of a century to overcome. This is the tale of discoveries made by American scientists as they worked to solve this life-threatening quandary and develop a precise method of measuring longitude. It recounts how the successful coupling of precision chronometers with the new electrical technology represented by Samuel Morse's telegraph produced the solution to the longitude problem. The use of the telegraph by scientists of the U.S Coast Survey to communicate time signals reduced the probable error in longitudinal measurement to less than ten feet. The "American method," as it was deemed, quickly revolutionized observational astronomy and every other branch of science that depended on recording the precise time of an event.

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longitude, sailors throughout the great ages of exploration had been literally lost at sea as soon as they lost sight of land. Thousands of lives and the increasing fortunes of nations hung on a resolution. One man, John Harrison, in complete opposition to the scientific community, dared to imagine a mechanical solution—a clock that would keep precise time at sea, something no clock had ever been able to do on land. Longitude is the dramatic human story of an epic scientific quest and of Harrison's forty-year obsession with building his perfect timekeeper, known today as the chronometer. Full of heroism and chicanery, it is also a fascinating brief history of astronomy, navigation, and clockmaking, and opens a new window on our world.

Determination of the Difference of Longitude Between Washington and Paris, 1913-1914-United States Naval Observatory 1916

Portuguese and Spanish Attempts to Measure Longitude in the 16th Century-W. G. L. Randles 1985

A Practical Method for Finding the Longitude and Latitude of a Ship at Sea, by Observations of the Moon-Robert Waddington 1763

A Supplement to the Treatise for Finding the Longitude-Robert Waddington 1764

Latitude and Longitude--Read, Read, Read Your Map Hands-On Activity-Sarah D. Giese 2014-01-01 Make geography fun and interactive to motivate your students. Encourage teamwork, creativity, reflection, and decision making. Take an active approach to teaching while inspiring your students to make their own explorations of geography.

A practical introduction to finding the Longitude at sea by lunar observations; also, to spherics and nautical Astronomy, etc-Thomas EVANS (Lieut. R.N.) 1817

Discovery of Longitude, The-Joan Marie Galat 2012-09-14 Scientific discovery changes the world! Discover the fascinating story behind one of the most important changes to nautical navigation in this nonfiction book for young readers. More than 300 years ago, explorers wandered the seas using unreliable maps. What they needed to know was the longitude of their locations, but for that they needed accurate time keeping. Unfortunately, no accurate source of time measurement at sea existed. In 1714 the British government decided to offer a reward to anyone who could solve the problem. Learned men and great thinkers alike tried unsuccessfully to work out a solution. They declared it unsolvable! Carpenter John Harrison was intrigued; he thought he might have a solution. He worked for years to design a clock that functioned accurately at sea, even though no one believed he could do it. Even after his timepiece was demonstrated effective at sea, he was still not acknowledged for his ingenious solution. It took many years and intervention by the king to grant Harrison the recognition and reward he deserved for solving the problem of how to accurately track longitude and for winning the British government prize. The book offers a detailed map of the world at that time and includes the advancements in the use of longitude since then.

Latitude, Longitude, and Direction-Julia J. Quinlan 2012-01-15 Explains the concepts of latitude and longitude as well as the purpose of the compass rose on a map.

Latitude and Longitude--Grid and Bear It! Hands-On Activity-Sarah D. Giese 2014-01-01 Make geography fun and interactive to motivate your students. Encourage teamwork, creativity, reflection, and decision making. Take an active approach to teaching while inspiring your students to make their own explorations of geography.

The Transatlantic Longitude, as Determined by the Coast Survey Expedition of 1866-Benjamin Apthorp Gould (Jr) 1869

Star tables ... for ... ascertaining the longitude and latitude at sea-Thomas Lynn 1821

A practical introduction to finding the longitude at sea by lunar observations; also to spherics and nautical astronomy-Thomas Evans 1814

A Proposal for Discovering Our Longitude-Jane Squire 1742

The method of finding the longitude at sea, by timekeepers: to which are added, Tables of equations to equal altitudes-William WALES (F.R.S.) 1822

L'automate de longitude. Nouveau système d'hydrométrie, etc-Allain PITOT 1716

Determination of Azimuth, Latitude & Longitude by Astronomical Observations-Mark H. Small 1922

The Theory and Practice of Finding the Longitude at Sea Or Land: to Which are Added, Various Methods of Determining the Latitude of a Place ... by Andrew Mackay, ... in Two Volumes- 1793

New methods of finding the longitude, either at sea or on shore, by messrs. Yarrow and [T.] Lynn [&c.]-Thomas Yarrow 1826

360 Degrees Longitude-John Higham 2012-07-17 Much more than a travel narrative 360 Degrees Longitude: One Family's Journey Around the World is a glimpse at what it means to be a "global

citizen”—a progressively changing view of the world as seen through the eyes of an American family of four. After more than a decade of planning, John Higham and his wife September bid their high-tech jobs and suburban lives good-bye, packed up their home and set out with two children, ages eight and eleven, to travel around the world. In the course of the next 52 weeks they crossed 24 time zones, visited 28 countries and experienced a lifetime of adventures. Making their way across the world, the Highams discovered more than just different foods and cultures; they also learned such diverse things as a Chilean mall isn't the best place to get your ears pierced, and that elephants appreciate flowers just as much as the next person. But most importantly, they learned about each other, and just how much a family can weather if they do it together. 360 Degrees Longitude employs Google's wildly popular Google Earth as a compliment to the narrative. Using your computer you can spin the digital globe to join the adventure cycling through Europe, feeling the cold stare of a pride of lions in Africa, and breaking down in the Andes. Packed with photos, video and text, the online Google Earth companion adds a dimension not possible with mere paper and ink. Fly over the terrain of the Inca Trail or drill down to see the majesty of the Swiss Alps—without leaving the comfort of your chair.

Longitude made easy from the moon's altitude only-William GARRARD (Quarter-Master of Instruction at the Royal Navy Asylum, Greenwich.) 1787

The Longitude Discovered, by a New Mathematical Instrument, Called Graphor-Pierre de Gravers 1794

The Longitude and Latitude Found by the Inclinator Or Dipping Needle;- 1724

Longitude and Empire-Brian W. Richardson 2010-10-01 Before Captain Cook's three voyages, to Europeans the globe was uncertain and dangerous; after, it was comprehensible and ordered. Written as a conceptual field guide to the voyages, Longitude and Empire offers a significant rereading of both the expeditions and modern political philosophy. More than any other work, printed accounts of the voyages marked the shift from early modern to modern ways of looking at the world. The globe was no longer divided between Europeans and savages but populated instead by an almost overwhelming variety of national identities. Cook's voyages took the fragmented and obscure global descriptions available at the time and consolidated them into a single, comprehensive textual vision. Locations became fixed on the map and the people, animals, plants, and artifacts associated with them were identified, collected, understood, and assimilated into a world order. This fascinating account offers a new understanding of Captain Cook's voyages and how they affected the European world view.

Address ... to the British Board of longitude upon the actual state of the mathematics ... and upon the new celestial mechanics, giving the definitive solution of the problem of longitude, tr. by W. Gardiner-Józef Maria Hoene Wroński 1820

Method of finding the longitude, meridian, time [&c.]-John Tyrrell Baylee (the elder.) 1823

A proposal of a method for measuring Degrees of Longitude upon parallels of the Æquator-John MICHELL (F.R.S.) 1767

H.O. Pub-United States. Hydrographic Office 1915

The International Code of Signals for the Use of All Nations-United States. Hydrographic Office 1882

Pacific SEAMAP 1961-70 Data for Area 15530-10, Longitude 155°W to 165°W, Latitude 30°N to 36°N-J. J. Dowling 1972

...Transpacific Longitudes Between Canada and Australia and New Zealand-Otto Klotz 1907

The Longitude-Richard Locke (Mathematician) 1732

Pacific SEAMAP 1961-70 Data for Area 15248-14- 1972

The Latitude and Longitude of the Gentile Protestant Church- 1854

Latitude & Longitude: Geography 2nd Grade for Kids | Children's Earth Sciences Books Edition-Baby Professor 2017-02-15 Learn to read maps, and locate regions in the world by using latitude and longitude. Is the lesson complicated? Perhaps, but with the right resource it should be easy enough for a second grader to learn. What makes this book effective is the right mix of texts and pictures. A child will be entertained by the colors, and educated by the facts. Buy a copy now!

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