



Beyond the Moon: A Conversational, Common Sense Guide to Understanding the Tides

By James Greig McCully

World Scientific Publishing Company. Paperback. Book Condition: New. Paperback. 304 pages. Finally, someone has written a comprehensive, easily readable explanation of the tides on earth that is both simple enough for students and solid enough for their professors. Step by step, by analogy and illustration, Beyond the Moon describes how the cyclical motion of the near solar system is impressed upon the earth's oceans, and how the hydraulics over the continental shelf and the geography of the coastline orchestrate this rhythm into the bewildering variety of tide patterns seen around the globe. This volume demystifies the complexity of the tides by systematically examining its many constituents and demonstrates that: Nature is, at once, awesome in complexity and beautiful in simplicity. Contents: The Tides in History. The Challenge of Understanding the Tides on Earth; The Lunar Orbit; Solar Influences and Solar Lunar Interaction. Gravitation and Fractal Forces; Celestial Harmonics; The Coriolis Force and Oceanic Amphidromes. Coastal Kelvin Waves. Tidal Currents. Sea Level; The Seiche Effect and Basins of Oscillation. Tidal Intermixing; Coastal Geography and Near Shore Topography, Resonant Co-Oscillation and Sustained Forcing; Shallow Estuaries and Tidal Pumping. Tidal Bores; The Computation of the Tide-Tables. Chaos Theory; The Weather and the...

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A very wonderful book with lucid and perfect answers. It is probably the most incredible book I have studied. It's been designed in an exceptionally simple way and is particularly just after I finished reading through this publication by which in fact transformed me, alter the way in my opinion.

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This book is definitely worth getting. It usually will not price too much. It's been printed in an extremely simple way in fact it is only right after I finished reading this publication where basically altered me, modify the way I think.

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