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## Front Matter

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[See table of contents](#)

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A pair of stromatolites within the Cryogenian Trezona Formation near Trezona Bore in the Flinders Ranges, South Australia. These carbonate rocks precede the younger Marinoan glacial succession  $\sim 635$  Ma and record a  $\sim 18\%$  negative shift in the  $\delta^{13}\text{C}$  around the world. This 'Trezona' isotopic anomaly is the largest  $\delta^{13}\text{C}$  shift in Earth history. Left stromatolite is  $\sim 70$  cm in height, and the intra-stromatolite wackestone contains putative fossils of sponge-grade animals. Photograph by Blake Dyer, Princeton University.



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Seeking the Suture: The Coast-Cascade Conundrum <i>J.W.H. Monger</i>	
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Arc and Slab-Failure Magmatism in Cordilleran Batholiths II – The Cretaceous Peninsular Ranges Batholith of Southern and Baja California <i>R.S. Hildebrand and J.B. Whalen</i>	399
<b>Harold Williams Series</b>	
Taconic Metamorphism Preserved in the Baie Verte Peninsula, Newfoundland Appalachians: Geochronological Evidence for Ophiolite Obduction and Subduction and Exhumation of the Leading Edge of the Laurentian (Humber) Margin During Closure of the Taconic Seaway <i>S. Castonguay, C.R. van Staal, N. Joyce, T. Skulski, and J.P. Hibbard</i>	459
The Grand Manan Terrane of New Brunswick: Tectonostratigraphy and Relationship to the Gondwanan Margin of the Iapetus Ocean <i>L.R. Fyffe</i>	483
Detrital Zircon Geochronology Across the Chopawamsic Fault, Western Piedmont of North-Central Virginia: Implications for the Main Iapetan Suture in the Southern Appalachian Orogen <i>K.S. Hughes, J.P. Hibbard, J.C. Pollock, D.J. Lewis, and B.V. Miller</i>	503
Lawrence Head Volcanics and Dunnage Mélange, Newfoundland Appalachians: Origin by Ordovician Ridge Subduction or in Back-Arc Rift? <i>A. Schoonmaker, W.S.F. Kidd, S.E. DeLong, and J.F. Bender</i>	523
<b>Series</b>	
Remote Predictive Mapping 6. A Comparison of Different Remotely Sensed Data for Classifying Bedrock Types in Canada's Arctic: Application of the Robust Classification Method and Random Forests <i>J.R. Harris, J.X. He, R. Rainbird, and P. Behnia</i>	557