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The Royal Society of Tasmania and Geological Society of Australia

INVITE YOU TO A PUBLIC LECTURE BY

Dr Peter McGoldrick Tasmania's Oldest Fossils

when: **1.30 pm Sunday 14th August 2022**

Full COVID vaccination and the wearing of face masks are highly desirable

where: **Meeting Room, QVMAG at Inveresk**

admission: **free for members of the Royal Society of Tasmania
and Geological Society of Australia**

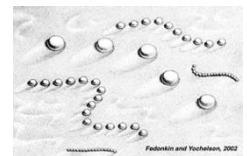
\$6 general admission

**\$4 for students, QVMAG or TMAG Friends, and
members of Launceston Historical Society**

for Zoom webinar, register at rst.org.au/

Darwin was puzzled by the paucity of fossils in Precambrian rocks. Twelve years ago, a new occurrence of an enigmatic Precambrian macrofossil (*Horodyskia* – ‘string of beads’) was described from a quarry near Balfour. The first *Horodyskia* fossils were found in Montana, and the Tasmanian occurrence is now known to be of similar age. This talk will describe the Tasmanian *Horodyskia* discovery and geological (and historical) links between Tasmania and Montana. Some results from recent Balfour field work will be presented, emphasising the importance of the site for, perhaps, solving ‘Darwin’s dilemma’.

Peter McGoldrick is an Adjunct Senior Research Fellow in Earth Sciences/CODES at the University of Tasmania. He taught undergraduate earth science and led research teams investigating supergiant sediment-hosted zinc-lead and copper deposits found in Precambrian rocks in Australia and Zambia. He now helps lead the ‘FrOTHies’ research group at UTas.



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