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| **JUNE** NEWSLETTER |

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| **PREORDER FINISHES 30 JUNE**The Royal Society of Tasmania is celebrating its 175th Anniversary year, starting in October 2018. As part of the celebrations, two books are being published. The first, *Mapping Van Diemen’s Land and the Great Beyond* (cover shown above) edited by Lynn Davies, Margaret Davies and Warren Boyles will be published in mid July. The volume contains over 100 high resolution images of rare and beautiful maps from the Society’s collection with text from authoritative contributors contributing to their understanding. A generous prepublication sales discount is on offer as outlined in the attached flyer. The prepublication sales discount is also available online.**WE WOULD APPRECIATE YOU CIRCULATING IT WIDELY AMONGST YOUR COLLEAGUES, MEMBERS OR FRIENDS.**Our second volume, *Poles Apart: fascination, fame and folly*, edited by Anita Hansen and Brita Hansen, will be published in November 2018, and we will keep you informed on its appearance.  |

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| [**Pre-order form Mapping Van Diemen’s Land and the Great Beyond**](https://rst.org.au/product/mapping-van-diemans-land-and-the-great-beyond/) **attached** |

**TMAG talks and tours** https://gallery.mailchimp.com/7b2a048dc0e2c3cffcd6d48bc/images/f0e5280b-62ff-4492-b5a1-de1d4fc4b0bd.jpg |

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| [**Order 2019 calendar now**](https://rst.org.au/product/2019-calendar/)**, form attached** |

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| All welcome, members and friends are invited to attend presenting isDr Karin Orth (pictured above) will present**Mega Volcanic Eruptions and the Greatest Mass Extinction of All Time**Tuesday 24th June @1.30 pm [Meeting Room, Inveresk QVMAG](https://goo.gl/maps/sWyYXuhX1oo)Small fee for non-members (includes refreshments) |

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| Five near extinguishments of life on Earth have been related to changes in Earth’s atmosphere and oceans. Extra-terrestrial meteorites are often blamed, but Earth’s own forces may be suspect. Heat within the Earth builds volcanoes. Even small volcanic eruptions have local, regional and global climate effects. Giant lava fields coincide with the three most recent mass extinction events. Scaling up impacts from small eruptions to such voluminous eruptions indicates that volcanism is a major contributor to climatic disruption, with dire consequences for life. Dr Karin Orth lectures in Earth Sciences at the University of Tasmania. After a primary degree at Monash University and working for the Victorian Geological Survey, she gained her PhD in Tasmania. She has worked on ancient volcanic rocks in various regions across Australia, most recently on a very large field of ancient volcanic rocks that stretch across the Kimberley of northern Western Australia.**Can anyone help?** The Herbarium is trying to track down some copies of the *Papers and Proceedings of The Royal Society of Tasmania:*Vol 124 (2)Vol 133 (2)Vol 141 (2)Anyone who has copies of these that they do not need and would be prepared to help should contact Matt Baker Matthew.Baker@tmag.tas.gov.au This would be greatly appreciated.  |

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| All welcome, members and friends are invited to attend this lecture presented byAndrew Cole (pictured above)**A New High-Precision Look at the Milky Way**Tuesday 3 July 2018 @8 pm in [Royal Society Room, TMAG](https://goo.gl/maps/FNtFxxSRnLy) |

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| In the past decade the field of astronomy has been building towards a revolution in the way we measure distances and other fundamental physical properties of the stars in our home galaxy, the Milky Way.  The rapid increase in detector sensitivity and computing power in the 21st century has enabled both ground-based and space-based astronomy missions to survey enormous areas of the sky with unprecedented precision in the astrophysical parameters. Andrew will discuss some of the most significant recent developments to come out of this “big data” revolution, which range from improved knowledge of the frequency and masses of planets around nearby stars, the distribution of luminous and dark matter in the Milky Way, and the forensics of working out how the galaxy itself was assembled by infalling matter over billions of years.Dr Andrew Cole is Associate Professor in Physics and Astronomy and the Director of the Greenhill Observatory, the home of UTAS optical astronomy research infrastructure.  Dr Cole studies the processes and effects that govern the evolution of matter in the Universe from the Big Bang to the present day.  Essentially, how things came to be from the beginning of time as we know it.  Along with many who came before him and undoubtedly many to follow, he is driven by an innate curiosity, stubbornness and a sense of adventure.  Dr Cole uses the UTAS 1.3-metre Harlingten telescope to search for exoplanets around stars in the direction towards the centre of the Milky Way by analysis of gravitational microlensing light curves.  |

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| **Save the date for our August lecture**The Society's **August lecture** will occur on **Friday 10 August, 2018** presented by Professor Margaret MacMillan, 'War and the Making of the Modern World'.Margaret Olwen MacMillan, CC, CH (born 23 December 1943) is a Canadian historian and professor at the University of Oxford. She is former provost of Trinity College and professor of history at the University of Toronto and previously at Ryerson University. A leading expert on history and international relations, MacMillan is a commentator in the media. She is a great-granddaughter of former British Prime Minister David Lloyd George. |

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| [**There is a Paypal DONATE button on our website's home page for those wishing to donate. Thank you for your support!**](https://rst.org.au/) |

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| *Copyright © 2018 The Royal Society of Tasmania, All rights reserved.*ABN 65 889 598 100**Our mailing address is:**GPO Box 1166Hobart TAS 7001**Our office location is:**19 Davey StreetHobart TAS 7000Office hours: Wednesdays 9.30 am - 12.30 pm+61 3 6165 7014Thank you for reading!  |

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