

2020 Joint Mineralogical Societies of Australasia

Seminar Speaker Biographies

Adam McKinnon

Adam currently holds the role of Group Manager - Geology for Aurelia Metals Limited (AMI) and has more than 15 years industry and academic experience. Joining AMI as Project Geologist at the Hera Mine in 2014, he is now responsible for the Company's expanded exploration efforts in the region. Adam has previously held technical roles with CBH Resources Limited and KBL Mining Limited. Whilst at KBL he designed and managed the exploration programme that led to the discovery of the high grade Pearse Au-Ag deposit near Mineral Hill.

He was awarded a PhD from Western Sydney University in 2007 for the study of the geochemistry and mineralogy of deposits in the Cobar Basin and has particular expertise in exploration geochemistry, applied mineralogy, base metal and gold metallurgy, and mine-to-mill reconciliations.

Rod Martin

Rod is an engineer and geologist who was employed in the glass industry for over 35 years. Now retired, he works independently to pursue his interests in the following fields

- The identification of processes that form sulphates at the surface in low temperature environments such as those found in acid thermal areas.
- Sulphate formation in other areas.
- Zeolites of the Parnell Grit Formation, Auckland District
- New Zealand mineral occurrences
- Silica sinter research
- Minerals and crystals formed as by-products of industrial glassmaking

In 2012 Rod was elected to the International "Micromounters' Hall of Fame" in Baltimore to honour those micromounters who have made significant contributions to the hobby.



Dermot Henry

Dermot Henry is Head of Sciences at Museums Victoria with responsibilities for the Museum's Science research staff, collection management teams, as well as the Live Exhibits and Preparatory teams. Dermot joined the Museum in 1982, initially working in a variety of roles within the Geosciences section. In 2001, he was appointed Manager of Natural Sciences Collections and was appointed Head of Sciences in 2016.

In a museum career spanning over 35 years, Dermot has been responsible for managing and developing collections, developing public programs and exhibitions,

conducting peer-reviewed research, communicating science to a diverse range of audiences, and promoting the Museum in a wide variety of forums. Dermot has published on a variety of mineralogical, petrological and meteoritic topics. He has edited and contributed to four books on Victorian mineralogy, and was Editor of *Australian Journal of Mineralogy* for 20 years. Dermot is passionate about promoting the Museum collections and research and is dedicated to engaging the public through stimulating and entertaining public programs, exhibitions, and on-line products.

Trevor Dart

Trevor Dart was born in Broken Hill and his interest in minerals was sparked by his father who brought specimens home when he worked as a miner at the Broken Hill Mines. His mineral collection started as he inherited both his father's and grandfather's samples, gathered over a joint 67 years working on the North Mine. In 1990, he completed a Bachelor of Education, majoring in the Geology and Chemistry. In 2000, he returned to Broken Hill to teach Science, Geology, Chemistry and Earth and Environmental Science and in 2016 became the Head Teacher of Science at Broken Hill High School.

Over the last twenty years, he explored mineral collecting locations throughout the Broken Hill and Olary districts, as well as visiting other mineralogically diverse localities around Australia. At the same time, he acquired and incorporated mineral collections from retired miners at Broken Hill, into his personal collection.

His knowledge of the geology and the mineral collecting localities throughout the Broken Hill and Olary districts continues to grow as new areas are explored and old deposits are rediscovered and re-assessed. His ability to recognize mineral combinations in specimens and link where they originated has become his specialty.

Trevor Dart still teaches Science at Broken Hill and regularly takes the opportunity to explore other areas in the Broken Hill and Olary district, to add new specimens to his large and comprehensive mineral collection.

In March 2020, Trevor Dart published "A Collectors Guide to the Minerals of the Broken Hill and Olary Districts" highlighting the variety of minerals discovered across the Broken Hill and Olary districts including notable mineral occurrences from the line of lode and specific satellite deposits.

The presentation today is a culmination of the exploration Trevor has done over the last 20 years across the Broken Hill and Olary districts, with descriptions of some of the significant minerals and specific deposits found in the district, outside of the main Broken Hill line of lode.

Ralph Bottrill

Ralph is a geologist, mineralogist, petrologist and mineral collector, living near Hobart, Tasmania. Specialising in Tasmanian minerals, also minerals from Broken Hill, South Australia and a few other favourite areas. I work for Mineral Resources Tasmania (Mines Dept of Tas) where I run the geology/ mineralogy/ petrology/ geochemistry labs and rock collection; study various Tasmanian mineral deposits, rocks and minerals. I am an associate curator for minerals with both the Tasmanian Museum and the Queen Victoria Museum; this includes assisting with the famous mineral collections in the Zeehan Museum. I'm currently President of the Mineralogical Society of Tasmania, an associate editor for the Australian Journal of

Mineralogy and a registered valuer of minerals and meteorites under the Australian Cultural Heritage Act. On Mindat, I help manage the data for Australia and Tasmania in particular, since about 2008.

Steve Sorrell

Steve has had a keen interest in minerals for over 30 years, and held the position of Vice President of the Mineralogical Society of Tasmania for many years. He is an enthusiastic collector, and enjoys photographing minerals (particularly micro minerals), and also drawing or painting mineral specimens. He is the editor of the “Monthly Mineral Chronicles”, now into its third year, and has compiled the “What’s New” section in recent editions of the Australian Journal of Mineralogy.

Steve is very active on Social Media, and in particular, the Mineral Hub established on MeWe (mewe.com/i/stevesorrell2). All mineral collectors are welcome.

Recently retired, his current venture is the production of photo-rich mineral locality guides. Flinders (Victoria) and Spring Creek (South Australia) have already been published, and Lake Boga (Victoria) is currently in progress. Details can be found here - <https://sorrellpublications.com>.

Steve Turner



Stephen Turner is currently Chief Geologist, Asia Pacific Region, for Newmont Corporation and based in Perth, Western Australia.

He graduated with a BSc (Honours) at the University of Western Australia (1979) and subsequently obtained an MSc (distinction) through the Geothermal Institute at the University of Auckland, New Zealand (1986). He gained his doctorate at the Colorado School of Mines (1997) with a

field-based study on the giant Yanacocha high-sulfidation epithermal gold deposits in Peru.

Following his doctoral study on Yanacocha Stephen stayed on in South America for several years as Chief Geologist with exploration programs throughout South and Central America. In 2001 Stephen was based in Newmont’s Denver headquarters as global Chief Geologist and subsequently moved back to Perth in 2007.

John Haupt

John is a foundation member of the Mineralogical Society of Victoria. His keen interest in Australian minerals and mining history has developed from his early years growing up at the A1 Mine Settlement in the Victorian Alps.

John has authored numerous mineral articles in the Victorian Society’s publications, as well as the Australian Journal of Mineralogy and The Mineralogical Record. As publication manager, he contributed to the establishment of the

Australian Journal of Mineralogy. John is also a keen mineral photographer, with many of his photographs in mineral publications and on MINDAT.

Bill Birch

Bill Birch is Curator Emeritus in Geosciences at Museums Victoria. He retired five years ago after 40 years as Senior Curator in Mineralogy and Petrology.

He is still doing research as well as delving into the history of the Museum's mineralogy collection.

Nicolas Hebert

Nicolas Hebert has been working as a graduate geologist at Dalgaranga gold mine (WA) ever since he migrated down under in Nov 2019.

Following graduation late Sept 2018, he took a gap year and spend 7.5 months in SE Asia, collecting samples of ruby/sapphires from Chantaburi in Thailand and across the Cambodian border in Pailin. Field expeditions included zircon and gem albite deposits in Easternmost Cambodia (Bokeo in Ratanakiri province), visits to abandoned sapphire mines in Houei Xai (N Laos) and Kanchanaburi (W Thailand).

Nicolas is a passionate collector who got started in France with numerous day-trips to Mont Blanc massif (smoky quartz, pink fluorite) and Vosges massif (Ba, F, Cu, Mo, Fe-Mn, Au) which host several medieval workings. His collection is now mostly oriented towards the mineralogy of Mogok (Myanmar) and Luc Yen (Viêt-nam) which he has visited on several occasions.

As he is currently on-site in an isolated area, Nicolas's presentation is pre-recorded.