Museums Board of Victoria 2021–22 Annual Report

Supplementary Information





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Externally Funded Projects

The following projects received external funding and commenced during the year under review.

Public Programs and Education

Strategic Partnerships Program, funded by the Department of Education, continues in a new four-year agreement to support development and delivery of curriculum aligned education programs across our museums.

New **Positive Start** education and outreach programs funded by the Department of Education to support students across Victoria returning to museum experiences.

Victorian Challenge and Enrichment Series programs, funded by the Department of Education, provide enrichment opportunities across the curriculum to extend high-ability students from prep to Year 12 in Victorian government schools, so they are better supported to excel and reach their full potential.

Melbourne City Revitalisation initiative funded several new public programs and events to be delivered in 2022–23, including Saturday Sessions, Wellbeing Within, Culture Makers Weekends and Summer Plaza.

Art After Dark, funded by Visit Victoria, supported two nights of events at Melbourne Museum in May 2022, enabling the museum to stay open until 1am with free admission to the public.

Future Innovators: building links between STEM and early learning, funded by the Department of Education to increase competence of early childhood educators in early childhood STEM knowledge and teaching.

The Scanlon Foundation has funded a new four-year, strategically focused program with three transformative pillars: breaking down barriers to participation and engagement with diverse audiences; driving creative sector leadership and best practice; and enhancing diversity and inclusion in the workforce.

Catholic Education Commission of Victoria is supporting Museums Victoria to deliver STEM education programs and professional development programs for Catholic schools in Victoria.

Middle Years Science Challenges is a new program funded by the Department of Education to develop science challenges for years 5–8.

Exhibitions and Audience Experience

Naadohbii: To Draw Water, an exhibition funded by Canada Council of the Arts and Australia Council to support Winnipeg Art Gallery and Museums Victoria in hosting an exhibition. Grant administered by Winnipeg Art Gallery.

Country is Always Talking, funded by John T Reid Charitable Trusts, to enable development and implementation of a First Peoples interpretive overlay in the Forest Gallery at Melbourne Museum. Grant administered by Museums Victoria.

Gandel Gondwana Garden, funded by the Gandel Foundation, is supporting Museums Victoria to create a new garden in the museum's amphitheatre space. Grant administered by Museums Victoria.

Royal Exhibition Building Exhibition Experience, funded by Rebecca and Will Twycross, supports development of a new exhibition that will accompany the new Dome Promenade Experience in the Royal Exhibition building. Grant administered by Museums Victoria.

Research Institute

"Macroecology of reptiles and frogs over latitudinal and temporal gradients" Discovery Project, funded by Australian Research Council: Indirect funding through Monash University to Museums Victoria.

Supporting Australia's Exhibiting Zoos and Aquariums (SAEZA) program, funded by Australian Trade and Investment Commission (Austrade): Funding to assist with animal welfare activities during the period of COVID-19 restrictions.

"Australian Faunal Directory – Update the directory for selected taxonomic groups of marine and terrestrial invertebrates" project, funded by Department of Agriculture, Water and the Environment – Australian Biological Resources Study (ABRS).

"Indigenous Repatriation Program – Museum Grant 2021–2022", funded by Department of Infrastructure, Transport, Regional Development and Communications – Office for the Arts. "Enriching the Legacy of E.W. Cole with Museums Victoria" project, funded by E.W. Cole Foundation.

"FRM 01 – State Wide Ecosystem Resilience Monitoring Program – Final Four Ecological Fire Groups" project, funded by Natural Hazards and Disaster Resilience Research Centre Ltd (trading as Natural Hazards Research Australia): Indirect funding through the University of Melbourne to Museums Victoria.

"Saving Smoke before the Fire: BioBanking the living cells and population ecology of the endangered Smoky Mouse" project, funded by The Holsworth Charitable Gift.

First Peoples – Cadetship Program, funded by The Hugh D.T. Williamson Foundation.

"First Peoples – Elders in Residence" project, funded by The King Family Foundation.

"Frogs: A Barometer for Bushfire Recovery" project, funded by The Stuart Leslie Foundation.

"Listening to Nature – Australasian Bitterns" project, funded by The Stuart Leslie Foundation.

"Implementing Biodiversity On-Ground Actions Icon Species – Plains Wanderer Project 2021", funded by Department of Environment, Land, Water and Planning.

"Taxonomic Review of Deer Species in Victoria" project, funded by Department of Jobs, Precincts and Regions.

"Legacy Collection Data" Project, additional funding by Department of Jobs, Precincts and Regions – Creative Victoria to extend project.

"Life after Fire" project, funding from Victorian National Parks Association.

"Plains Wanderer Conservation" Project, funding from Zoological Parks and Gardens Board (trading as Zoos Victoria).

Research Supervision

*Bold denotes Museums Victoria employee

Caines, Rachel: PhD, Australian Catholic University.

Supervisors: **Deborah Tout-Smith**, Joy Damousi (University of Melbourne), Amanda Nettelbeck (Australian Catholic University). Project: "The Empire Needs Men": Imperial masculinities in First World War propaganda.

Chan, Yanni: MSc, School of BioSciences, University of Melbourne.

Supervisors: **Kevin Rowe**, Andrew Pask. Project: Conservation genomics of rodents.

Cottle, Rachael: PhD, La Trobe University. Supervisors: **Matthew Churchward**, Emma Robertson. Project: Women of the Victorian Railways.

Duncan, Ruairidh: PhD, Monash University.

Supervisors: **Erich Fitzgerald**, Alistair Evans. Project: The biomechanics and evolution of toothed mysticete whales.

Ferguson, Riley: MSc, School of BioSciences, University of Melbourne.

Supervisors: **Kevin Rowe**, Andrew Pask. Project: Genome resequencing of the Smoky mouse.

Fernandez, Juan Pedro Valbuena: PhD, Monash University. Supervisors: Jane Melville, Reid Tingley.

Project: Exploration of the impacts of Quaternary climate change on shaping past reptile and frog communities from the Australian tropics to the temperate south.

Gay, Catherine: PhD, University of Melbourne.

Supervisors: **Deborah Tout-Smith**, Andrew May, Carla Pascoe Leahy.

Project: 'All life and usefulness': Girls in nineteenth-century Victoria.

Harris, Jaclyn: PhD, Monash University.

Supervisors: **Jane Melville**, **Claire McLean**, David Chapple. Project: Fire regimes and reptiles: how does current fire management impact reptiles and how can we mitigate these impacts?

Louise Clark, Rebecca: PhD, Monash University.

Supervisors: **Deborah Tout-Smith**, Tom Chandler, Carla Pascoe.

Project: The Mother Archive: re-imagining motherhood.

Parker, William: PhD, Monash University.

Supervisors: **Erich Fitzgerald**, Alistair Evans, Justin Adams. Project: Unlocking the palaeobiology of Australia's extinct megafaunal marsupials.

Perry, Sam: PhD, University of Notre Dame.

Supervisors: **Stuart Mills**, Peter Burns. Project: Using hydrotalcites to clean uranium from wastewater.

Ramm, Till: PhD, joint enrolment at the University of

Melbourne and Humboldt-Universität zu Berlin, Germany.

Supervisors: **Jane Melville**, Christy Hipsley, Johannes Müller. Project: Shifts in lizard communities through time along the east coast of Australia with particular interest in dragon lizards.

Richards, Hazel: PhD, Monash University.

Supervisors: **Erich Fitzgerald**, Alistair Evans, Justin Adams. Project: Peculiar *Palorchestes*: Describing, reconstructing and analysing the limb anatomy of *Palorchestes azae*l.

Schubert, Joseph: PhD, University of Sydney.

Supervisors: **Jane Melville**, Nathan Lo, Simon Ho. Project: Phylogenomics of the Australian Peacock Spiders and their relatives.

Staff, Madison: PhD, Monash University.

Supervisors: **Jane Melville**, **Claire McLean**, Alan Anderson (Charles Darwin University), David Chapple (Monash University). Project: The impacts of fire on the structure and diversity of ants in the Little Desert region.

Watters, Matthew: BEnvSci(Hons), Deakin University (Waurn Ponds campus).

Supervisors: **Robin Wilson**, Ty Matthews, Craig Sherman. Project: Confirming the identity of cryptic marine polychaetes using traditional taxonomy and molecular tools.

Wong, Shu (Sharon): PhD, University of Melbourne. Supervisors: Alice Cannon, Petronella Nel.

Project: A framework for managing malignant plastics in museum collections.

Honorary Appointments

Honorary Life Fellows

Granted to individuals of high academic distinction or public standing, considered to have made a significant contribution to the intellectual standing or other significant development of Museum Victoria.

Emeritus Prof. Daine Alcorn Prof. Rufus Black Prof. Margaret Cameron AM Prof. Edwina Cornish AO Mr Jim Cousins AO Mr Graham Cunningham Mrs Amanda Derham Mr Robert (Bob) Edwards AO Ms Sylvia Falzon Mr Wilkin Fon Ms Jill Gallagher AO Prof. Margaret Gardner AO Mr Colin Golvan AM OC Prof. Jennifer Graves AO Dr J. Patrick Greene OBE Ms Susan Heron Dr Robin Hirst PSM Emeritus Prof. Rod Home AM Mr Steve Howard Dr Alison Inglis AO Dr Gael Jennings AM Prof. Pookong Kee Prof. Daryl Le Grew AO Prof. Janet McCalman AC Ms Tina McMeckan Mr Peter McMullin Mr Harold Mitchell AC Mr Graham Morris Mrs Sarah Myer Ms Sheila O'Sullivan Emeritus Prof. David Penington AC Mr Michael Perry Emeritus Prof. Marian Quartly Mr Ian Sinclair AC The Honourable Haddon Storey QC Mr Tim Sullivan Ms Annette Vickery Emeritus Prof. James Warren Ms Deanne Weir Mr Garry Woodard

Curators Emeritus

Granted to curators who retire after having given distinguished service to Museum Victoria for a minimum of 10 years and have made a distinguished contribution in an appropriate curatorial or research field.

History and Technology

Mr John Sharples

Dr Charlotte Smith

Ms Elizabeth Willis

Sciences

Dr William (Bill) Birch AM

Dr Thomas Darragh

Dr Chung-Cheng Lu

Dr Mark Norman PSM

Dr Gary Poore

Honorary Associates

Granted to individuals who can be called upon to provide specialist professional advice and assistance to the Board, management or staff on an honorary basis.

First Peoples

Ms Eileen Alberts OAM Assoc. Prof. Harry Allen Prof. Henry Atkinson Ms Susan (Sana) Balai Prof. Catherine Bennett Mr Jim Berg JP Dr Anthony Birch Dr Carolyn Briggs AM Mr Robbie Bundle Mr Leonard Clarke Ms Maree Clarke Dr Liz Conor Ms Vicki Couzens Ms Zena Cumpston Dr David Dorward Mr John Duggan Prof. Penelope Edmonds Dr Jason Gibson Dr Michael Green Mr Simon Greenwood Mr Mark Grist Ms Jade Hadfield Dr Colin Hope Mr Rob Hudson Mr Brendan Kennedy Ms Diane Kerr OAM Ms Esther Kirby OAM Prof. Marcia Langton AO Prof. Ian McNiven Dr John Morton Ms Katherine Mullett Mr Russell Mullett Ms Justice Nelson Ms Rochelle Patten Dr Lois Peeler AM Mr Shaun Angeles Penangke Prof. Nicolas Peterson Emeritus Prof. Bruce Rigsby Prof. Lynette Russell AM Mr Edward (Ted) Ryan Dr Gaye Sculthorpe Ms Diana (Titta) Secombe Ms Sandra Smith

Dr Nicola Stern Ms Kirsten Thorpe Dr Robin Torrence Dr Chris Urwin History and Technology Mr Maxwell Burnet Dr Martin Bush Mr Eddie Butler-Bowdon Ms Santilla Chingaipe Dr Sophie Couchman Prof. Joy Damousi Prof. Kate Darian-Smith Dr Gwenda Davey AM Emeritus Prof. Graeme Davison AO Ms Rhonda Diffey Dr June Factor Ms Rebecca Forgasz Dr Margaret (Peg) Fraser Dr Sarah Hayes Mr Geoffrey Holden Ms Alana Johnson Dr Marina Larsson Ms Ruth Leveson Ms Judy McKinty Dr Camila Marambio Prof. Andrew May Dr Pete Minard Prof. Timothy Murray Dr Seamus O'Hanlon Dr Carla Pascoe Leahy Dr John Pickard Dr Gary Presland Dr Emma Robertson Ms Heather Russell Dr Jonathan Sweet

Dr Benjamin Thomas

Prof. Alistair Thomson Prof. Peter Thorne Dr Graham Willett Dr Sara Wills Prof. Andrea Witcomb

Sciences

Dr Justin Adams Mr Philip Bock OAM Mr Robert Burn OAM Dr Lawrence (Laurie) Cookson Mr James Cozens Dr Andrew Drinnan Assoc. Prof. Alistair Evans Dr Caroline Farrelly Dr Ross Field Prof. Tim Flannery Prof. Ewan Fordyce Mr Alan Henderson Dr Dean Hewish Ms Marilyn Hewish Dr Julian Hollis Mr Francis Holmes Mr John Kean Mr Rudie Kuiter Dr John Lewis Assoc. Prof. Murray Littlejohn Prof. John Long Prof. John Lovering Mr Peter Marriott Mr Peter Menkhorst PSM Mr John Neil Dr Gareth Nelson Prof. Tim New Mr Ken Norris Mr P. Mark O'Loughlin Dr Robert Paddle

Ms Cathy Powers Dr Tarmo Raadik Dr Richard Schodde OAM Mr Luke Simpkin Mr David Staples Prof. Devi Stuart-Fox Dr Roy Swain Mr Peter Swinkels Emeritus Prof. John Talent Ms Elizabeth Thompson Mr Alfons VandenBerg Prof. Patricia Vickers-Rich AO Dr Mark Warne Dr Patricia Woolley AM **Strategic Collection Management** Ms Michelle Berry Ms Donna Fothergill Dr Robert Waller

Exhibitions and Audience Experiences Division (Melbourne Planetarium)

Assoc. Prof. Jonathan (Jonti) Horner

Prof. David Malin AM

Publications

*Bold denotes Museums Victoria employee

Refereed Journals

Baker, T.T., Radel, C., **Dale-Hallett, L.** and **Forge, C**. 2021. Photovoice, claiming visibility, and women's farming identities in Australia. *Emotion, Space and Society*, 41: 100835. DOI 10.1016/j.emospa.2021.100835.

Bell, J., Thompson, K.M., **Palmer, K**., McCarthy, G., Barrett, M., **Burrows, E**. and Nel, P. 2022. Collaborative development of polymer-based collection survey methodology and relational data model. *Studies in Conservation, IIC Wellington 2022 Supplement* (published online, 15 March 2022, DOI: 00393630.2022.2049034).

Bezděk, J., Riley, E.G. and **Walker, K**. 2022. Detective stories from historical collections: the case of *Eumolpus hobsoni* Curtis, 1840 (Coleoptera: Chrysomelidae: Eumolpinae). *The Coleopterists Bulletin*, 76(2): 206-208. DOI 10.1649/0010-065X-76.2.206.

Birch, W.D. and **Mills, S.J.** 2022. Fluorapatite crystals from Lake Boga, Victoria, Australia. *Rocks and Minerals*, 97(1): 28-35. DOI 10.1080/00357529.2022.1989949.

Birch, W.D., and Willman, C.E. 2021. John Halliley Greewood; an intrepid pioneer miner in 19th century Australia. *Journal of Australasian Mining History*, October 2021, 19: 23-44.

Bosi, F., Skogby, H., Hålenius, U., Ciriotti, M.E. and **Mills, S.J.** 2022. Lowering R3m symmetry in Mg-Fe-Tourmalines: the crystal structures of Triclinic Schorl and Oxy-Dravite, and the mineral luinaite-(OH) discredited. *Minerals 2022*, 12(4): 430. DOI: 10.3390/min12040430.

Boysen, K.E., Perkins, S.L., Hunjan, S., Oliver, P., Gardner, M.G., Balasubramaniam, S. and Melville, J. 2022. Diversity and phylogenetic relationships of haemosporidian and hemogregarine parasites in Australian lizards. *Molecular Phylogenetics and Evolution*, 167(5): 107358 [7 pages]. DOI 10.1016/j.ympev.2021.107358.

Bush, M. 2022. Again with feeling: modes of visual representation of popular astronomy in the mid-nineteenth century. *Notes and Records, The Royal Society Journal of the History of Science* (published online, 19 January 2022, DOI 10.1098/rsnr.2021.0040).

Camaiti, M., **Evans, A.R.**, **Hipsley, C.A.**, Hutchinson, M.N., Meiri, S., Anderson, R.O., Slavenko, A. and Chapple, D.G. 2022. A database of the morphology, ecology and literature of the world's limb-reduced skinks. *Journal of Biogeography*, 49(7): 1397-1406. DOI: 10.1111/jbi.14392.

Cao, W., Missen, O.P. and Turner, D.R. 2022.

Enantioselective chiral sorption of 1-phenylethanol by homochiral 1D coordination polymers. *Inorganic Chemistry Frontiers*, 9: 709-718. DOI 10.1039/D1QI01457A. Christison, B.E., Gaidies, F., Pineda-Munoz, S., **Evans, A.R.**, Gilbert, M.A. and Fraser, D. 2022. Dietary niches of creodonts and carnivorans of the late Eocene Cypress Hills Formation. *Journal of Mammalogy*, 103(1): 2-17. DOI 10.1093/jmammal/gyab123.

Cleuren, S.G.C., Parker, W.M.G., Richards, H.L., Hocking, D.P. and **Evans, A.R.** 2021. Sharp and fully loaded: 3D tissue reconstruction reveals how snake fangs stay deadly during fang replacement. *Journal of Anatomy*, 240: 1-10. DOI 10.1111/joa.13531.

Cleuren, S.G.C., Patterson, M.B., Hocking, D.P., Warburton, N.M. and Evans, A.R. 2022. Fang shape varies with ontogeny and sex in the venomous elapid snake *Pseudonaja affinis. Journal of Morphology*, 283(3): 287-295. DOI 10.1002/jmor.21442.

Coleman, D. 2021. George Lyell and Frederick Parkhurst Dodd: authority and expertise in nineteenth-century Australian entomology. *Memoirs of Museum Victoria* 80: 169–181.

Connors, M.G., Chen, H., Li, H., Edmonds, A., Smith, K.A., Gel,I C., Clitheroe, K., Miller, I.M., **Walker, K.L.**, Nunn, J.S., Nguyen, L., Quinane, L.N., Andreoli, C.M., Galea, J.A., Quan, B., Sandiford, K., Wallis, B., Anderson, M.L., Canziani, E.V., Craven, J., Hakim, R.R.C., Lowther, R., Maneylaws, C., Menz, B.A., Newman, J., Perkins, H.D., Smith, A.R., Webber, V.H. and Wishart, D. 2022. Citizen scientists track a charismatic carnivore: mapping the spread and impact of the South African Mantis (Miomantidae, *Miomantis caffra*) in Australia. *Journal of Orthoptera Research*, 31(1): 69-82. DOI: 10.3897/ jor.31.79332.

Cook, L.E., Newton, A.H., **Hipsley, C.A.** and Pask, A.J. 2021. Postnatal development in a marsupial model, the fat-tailed dunnart (*Sminthopsis crassicaudata*; Dasyuromorphia: Dasyuridae). *Communications Biology*, 4: 1028. DOI 10.1038/ s42003-021-02506-2.

Crotty, N. 2022. Time for action: when hazards in a collection require immediate attention. *Australasian Registrars Committee Journal*, 80: 52-56.

Dal Bo, F., Friis, H. and **Mills, S.J.** 2022. Nomenclature of wöhlerite group minerals. *Mineralogical Magazine* (published online, 24 January 2022, DOI 10.1180/mgm.2022.10).

de Wit, F. and **Mills, S.J.** 2022. Arrojadite-group nomenclature: sigismundite reinstated. *European Journal of Mineralogy*, 34: 321-324. DOI: 10.5194/ejm-34-321-2022.

Dissanayake, D.S.B., Holleley, C.E., **Sumner, J., Melville, J.** and Georges, A. 2022. Lineage diversity within a widespread endemic Australian skink to better inform conservation in response to regional-scale disturbance. *Ecology and Evolution*, 12(3): e8627. DOI: 10.1002/ece3.8627. Duncan, R.J., **Evans, A.R., Vickers-Rich, P., Rich, T.H.** and Poropat, S.F. 2021. Ornithopod jaws from the Lower Cretaceous Eumeralla Formation, Victoria, Australia, and their implications for polar neornithischian dinosaur diversity. *Journal of Vertebrate Paleontology*, 41(3): e1946551. DOI 10.1080/02724634.2021.1946551.

Edmonds, P. 2021. Monuments on trial: #BlackLivesMatter, 'travelling memory' and the transcultural afterlives of empire. *History Australia*, 18(4): 801-822. DOI 10.1080/14490854.2021.1994862.

Esselstyn, J.A., Achmadi, A.S., Handika, H., Swanson, M.T., Giarla, T.C. and **Rowe, K.C.** 2021. Fourteen new, endemic species of shrew (Genus Crocidura) from Sulawesi reveal a spectacular island radiation. *Bulletin of the American Museum of Natural History*, 454(1): 1-108. DOI 10.1206/0003-0090.454.1.1.

Factor, J. 2022. Children's play in very bad times. *International Journal of Play*, 11(1): 8-11. DOI: 10.1080/21594937.2022.2042935.

Farjandi, F., **Vickers-Rich, P.**, Linnemann, U., Raveggi, M., Hofmann, M., Hall, M. and **Rich, T.H.** 2022. Detrital zircon and apatite U-Pb geochronology of Ediacaran fossil-bearing strata spanning the late Ediacaran– Cambrian boundary in central Iran. *Alcheringa: An Australasian Journal of Palaeontology*, 46(1): 21-32. DOI: 10.1080/03115518.2022.2044075.

Feigin, C., Frankenberg, S. and **Pask, A.** 2022. A chromosome-scale hybrid genome assembly of the extinct Tasmanian Tiger (*Thylacinus cynocephalus*). *Genome Biology and Evolution*, 14(4): evac048. DOI: 10.1093/gbe/evac048.

Fenelon, J.C., Bennetts, A., Neal, A., Pyne, M., Johnston, S.D., **Evans, A.R**., Tucker, A.S. and Renfree, M.B. 2021. Getting out of a mammalian egg: the egg tooth and caruncle of the echidna. Preprint available at bioRxiv: DOI 10.1101/2021.10.12.464116 (13 Oct 2021).

Fenker, J., Tedeschi, L.G., **Melville, J.** and Moritz, C. 2021. Predictors of phylogeographic structure among co-distributed taxa across the complex Australian monsoonal tropics. *Molecular Ecology*, 30(17): 4276-4291. DOI: 10.1111/mec.16057.

Flannery, T.F., Rich, T.H., Vickers-Rich, P., Ziegler, T.,

Veatch, E.G. and Helgen, K.M. 2022. A review of monotreme (Monotremata) evolution. *Alcheringa: An Australasian Journal of Palaeontology*, 46(1): 3-20. DOI: 10.1080/03115518.2022.2025900.

Foon, J.K., **Moussalli, A.**, McIntosh, F., Laffan, S. and Köhler, F. 2022. Assessing the immediate impacts of the 2019/2020 bushfires on land snails in north-eastern New South Wales. *Australian Zoologist* (published online, 20 May 2022, DOI: 10.7882/AZ.2022.010). Freelance, C.B., Tierney, S.M., Rodriguez, J., **Stuart-Fox, D.M.**, Wong, B.B.M. and Elgar, M.A. 2021. The eyes have it: dim-light activity is associated with the morphology of eyes but not antennae across insect orders. *Biological Journal of the Linnean Society*, 134(2): 303-315. DOI 10.1093/ biolinnean/blab088.

Gatt, F. and **Gay, C.** 2022. 'Re-Living the Early Days': memory, childhood and self-indigenization, North Melbourne, 1934-1935. *Postcolonial Studies* (published online, 17 March 2022, DOI 10.1080/13688790.2022.2049466).

Gellert, M., Bird, G., Stępień, A., Studzian, M. and **Błażewicz, M.** 2022. A hidden diversity in the Atlantic and the SE Pacific: Hamatipedidae n. fam. (Crustacea: Tanaidacea). *Frontiers in Marine Science* (published online, 8 February 2022, DOI 10.3389/fmars.2021.773437).

Gomon, M.F., Struthers, C.D. and Kemp, J. 2021. A review of the Australasian genus Pseudophycis (Gadiformes: Moridae), redescribing its four species and resurrecting the name *Physiculus palmatus Klunzinger*, 1872, for the Australian Red Cod. *Memoirs of Museum Victoria*, 80: 59-99. DOI 10.24199/j.mmv.2021.80.04.

Grey, I.E., Elliott, P., Mumme, W.G., MacRae, C.M., Kampf, A.R. and **Mills, S.J.** 2022. Redefinition of angastonite, CaMgAl2(PO4)2(OH)4 · 7H2O, as an amorphous mineral. *European Journal of Mineralogy*, 34: 215-221. DOI: 10.5194/ ejm-34-215-2022.

Harty, T., Berthaume, M.A., Bortolini, E., **Evans, A.R.**, Galbany, J., Guy, F., Kullmer, O., Lazzari, V., Romero, A. and Fiorenza, L. 2022. Dental macrowear reveals ecological diversity of Gorilla spp. *Scientific Reports*, 12: 9203. DOI 10.1038/s41598-022-12488-8.

Hearn, L.R., Stevens, M.I., Schwarz, M.P. and Parslow, B.A. 2021. Parasitoids of the uniquely social colletid bee *Amphylaeus morosus* (Hymenoptera: Colletidae) in Victoria. *Memoirs of Museum Victoria* 80: 183–191.

Henry, D.A. and **Birch, W.D**. 2022. The Wombat Hole Prospect, Benambra, Victoria, Australia: a Cu–Bi–(Te) exoskarn with unusual supergene mineralogy. *Mineralogical Magazine* (published online, 28 January 2022, DOI 10.1180/ mgm.2022.11).

Holloway, D.J. 2021. Middle Silurian trilobites from Arkansas and Oklahoma, USA. Order Corynexochida. *Palaeontographica, Abteilung A, Palaozoologie – Stratigraphie*, 319: 1-55. DOI 10.1127/pala/2021/0101.

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Jones, M. 2021. Object/Art/Specimen at the Chau Chak Wing Museum. *History Australia*, 18(3): 607-609. DOI 10.1080/14490854.2021.1956357.

Kampf, A.R., **Mills, S.J.**, Celestian, A.J., Ma, C., Yang, H. and Thorne, B. 2022. Flaggite, Pb4Cu2+4Te6+2(SO4)2O11(OH)2 (H2O), a new mineral with stair-step-like HCP layers from Tombstone, Arizona, USA. *Mineralogical Magazine* (published online, 18 April 2022, DOI 10.1180/mgm.2022.37).

Kočí, T., Goedert, J.L. and **Buckeridge, J.S.** 2022. Eocene tube-dwelling annelids (Polychaeta: Sedentaria) from the Black Hills, western Washington State: the first record of Neodexiospira from North America. *PalZ* (published online, 23 March 2022, DOI: 10.1007/s12542-022-00604-y).

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McCallum, A.W., Ahyong, S.T. and Andreakis, N. 2021. New species of squat lobsters of the genus Munida from Australia. *Memoirs of Museum Victoria*, 80: 113-152. DOI 10.24199/j.mmv.2021.80.06.

McCann, E. and **Hadfield, J.** 2022. Looking back to move forward: continuing community-centric practices for conservation and collection care of Pacific Collections in an Australian museum. *Studies in Conservation* (published online, 3 May 2022, DOI: 10.1080/00393630.2022.2066318).

McCormack, R.B. and **Raadik, T.A.** 2021. Cherax latimanus sp. nov., a new burrow-dwelling freshwater crayfish (Decapoda, Parastacidae) from the mid-Murray River catchment, Australia. *Zootaxa*, 5026(3): 26 Aug 2021. DOI 10.11646/zootaxa.5026.3.2. McCurry, M., Marx, F.G., **Evans, A.R.**, Park, T., Pyenson, N.D., Kohno, N., Castiglione, S. and **Fitzgerald, E.M.G.** 2021. Brain size evolution in whales and dolphins: new data from fossil mysticetes. *Biological Journal of the Linnean Society*, 133(4): 990-998. DOI 10.1093/biolinnean/blab054.

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McLean, C. and **Melville, J.** 2021. The Impacts of Fire on Reptiles and Invertebrates in the Little Desert. Survey 1: 28th February – 10th March 2021. Report to the Urimbirra Co-Operative Society, and Ian Potter Foundation. 8 pages.

McLean, C. and Melville, J. 2021. The Impacts of Fire on Reptiles and Invertebrates in the Little Desert. Survey 2: 22nd November – 5th December 2021. Report to the Urimbirra Co-Operative Society, and Ian Potter Foundation. 11 pages.

O'Hara, T.D. 2021. Proposed offshore Key Ecological Features and Biologically Important Areas of Australia's Indian Ocean Territories. Final Draft, 9 August 2021. Report for Parks Australia. 51 pages.

O'Hara, T.D. 2022. An assessment of the offshore marine natural values of Australia's Indian Ocean Territories. Version 2.01 (post IN2021_V04a expedition), January 2022. Report for Parks Australia. 51 pages.

Peoples, M. and Gibbons, A. 2021. Securing Food Futures Kit. Outreach learning kit containing resources to support Year 7–10 Geography. Online at: https://museumsvictoria.com. au/learning/outreach-program/learning-kits/securingfood-futures/

Raymond, L.-A. 2021. Capturing digital memory: breaking down barriers. Digital Preservation Coalition blog entry for World Digital Preservation Day 2021 (published online, 3 November 2021 at: https://www.dpconline.org/blog/ wdpd/wdpd2021-raymond). Rowe, K.M.C. 2021. 19th century hummingbird case. Episode for Museums Victoria's Unboxing the Museum. series, YouTube (published online, 24 July 2021, at: https:// www.youtube.com/watch?v=wtsK6byOsJY&list=PLDP58n enCzbTVe6tDm2ILUJqPQi3cIxzf&index=8).

Rule, J.P. and Parker, W.M.G. 2021. 2022. Rare fossil reveals prehistoric Melbourne was once a paradise for tropical pig-nosed turtles. The Conversation (published online, 8 December 2021, at: https://theconversation.com/ rare-fossil-reveals-prehistoric-melbourne-was-once-aparadise-for-tropical-pig-nosed-turtles-173242).

Schubert, J. 2021. Molecular phylogenetics and systematics of the Australian Huntsman Spiders (Araneae: Sparassidae) with a focus on *Neosparassus* Hogg, 1903. Unpublished BSc(Hons) Thesis, Harry Butler Institute, Murdoch University.

White, W. (Ed.). 2021. Dinosaur Dreaming 2021 Field Report. Monash University, Swinburne University of Technology, and Museums Victoria. 27 pages. Online at: https://www. biodiversitylibrary.org/item/301149#page/1/mode/1up

Webster, H. 2022. Sharing the Knowledge, INCITE, 43 (3).

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Lectures and Presentations

*Bold denotes Museums Victoria employee

Conference Presentations

Barnard, K. 2022. *Reaching Beyond the Screen – Interactivity in Online Programs*. AMaGA National Conference, (Perth Convention and Exhibition Centre, Perth, WA, 14-17 June 2022).

Barnard, K. and **Phillips, K.** 2022. *Science and climate conversations: responding to adult learners in a time of change.* Australian Museums and Galleries Association (AMaGA) National Conference (Perth Convention and Exhibition Centre, Perth, WA, 14-17 June).

Birch, W.D. 2021. *The Silver King mine, Omeo, NE Victoria.* Annual Seminar of the Mineralogical Societies of Australia and New Zealand (2-3 October).

Bates, B and **Kaur, G**. 2021 Using Immigration Museum and Melbourne Museum resources in the classroom, History Teachers Association of Victoria (Online conference July 2021).

Cottle, R. 2022. *History of women working on the Victorian Railways*. 17th Biennial Conference of the Australian Society for the Study of Labour History (ASSLH) (Bendigo, 22-24 April).

Faulkhead, S. 2022. *The right of reply to Indigenous knowledges and information held in archives*. 2022 Victorian Museums and Galleries Forum (Deakin Downtown, Melbourne, 18 May).

Hetz Rodriguez, J. 2022. *The Ian Potter Australian Wildlife BioBank: working on safeguarding the diversity of Victoria's wildlife for the future.* Victorian Biodiversity Conference (virtual conference, 2-4 February).

Lal, R and More, G. 2022. *Living City: Data as a Storytelling Medium*. Remix Summit Sydney: A Changing World: Recovery, Resilience & Reinvention. (UTS, Sydney, 8 March).

Li, Z., Parker, W.M.G., Renfree, M. and **Evans, A.** 2021. *Novel features of tooth development and evolution in the Honey possum* (Tarsipes rostratus). 67th Annual Scientific Meeting of the Australian Mammal Society (virtual conference, Perth, WA, 28 September – 1 October).

McFadzean, M. 2021. *Power of authenticity: memorymaking and performative visitor experiences at Melbourne's Immigration Museum*. Australasian Sound Recordings Association Conference (online conference, 9-11 November).

Mills, S.J., Missen, O.P. and Rumsey, M.S. 2021. *Progress in understanding the mineralogy of secondary tellurium: crystal structures and new minerals from museum specimens.* 9th International Conference, Mineralogy and Museums (online conference, Sofia, Bulgaria, 24-26 August).

Missen, O.P., Mills, S.J. and Rumsey, M.S. 2021. *150 years in the making: characterising the 'questionable' mineral montanite.* 9th International Conference, Mineralogy and Museums (online conference, Sofia, Bulgaria, 24-26 August).

Moulton, K. 2022. *Decolonising museums*. Aabaakward Indigenous Symposium. 59th Venice Biennale (Venice, Italy, 20-23 May).

Pollock, T.I., Hocking, D.P., Panagiotopoulou, O. and **Evans, A.R.** 2021. *Remarkable adaptations in the canine teeth of mammalian carnivores revealed by 3D geometric morphometrics and finite element analysis*. 67th Annual Scientific Meeting of the Australian Mammal Society (virtual conference, Perth, WA, 28 September – 1 October).

Privett, H. 2022. Exhibitions National Network session (Chair). Australian Museums and Galleries Association, (Perth Convention and Exhibition Centre, Perth, 16 June 2022).

Rovinsky, D.S., **Evans, A.R.** and **Adams, J.W.** 2021. *Who's afraid of the marsupial wolf?* 67th Annual Scientific Meeting of the Australian Mammal Society (virtual conference, Perth, WA, 28 September – 1 October).

Roycroft, E., MacDonald, A.J., Moritz, C., **Moussalli, A.**, Portela Miguez, R. and **Rowe, K.C.** 2021. *Museum genomics unlocks a historical record of extinction in Australia*. 67th Annual Scientific Meeting of the Australian Mammal Society (virtual conference, Perth, WA, 28 September – 1 October).

Stevenson, M., Carland, R., Cannon, A. and **Dyson, M**. 2022. Panel discussion. *Collecting the pandemic: Urgent Histories require rapid response*. 2022 Conference, Australian Historical Association (Deakin University, Geelong Waterfront Campus, 27 June – 1 July).

Tout-Smith, D., Anderson, M., **Churchward, M**. and Keogh, L. 2022. Panel discussion. *Gathering, sharing and interpreting collections*. 2022 Conference, Australian Historical Association (Deakin University, Geelong Waterfront Campus, 27 June – 1 July).

Educational Presentations

Hoffman, T., 2022. *How to Stop a Fatberg. It Takes a Spark!* STEM Conference, (Thomas Carr College, Tarneit, Melbourne, 4 May 2022).

Hoffman, T., 2022. *Introduction to STEM Theory and Pedagogy in Primary School Classrooms*. Primary STEM Teacher Professional Learning, (Online webinar, Melbourne, 16 June 2022).

Kaur, G., 2021. *English at the Immigration Museum*, Victorian Association for the Teaching of English, iConference 2021, Melbourne, Australia (pre-recorded via Zoom conferencing, 20–21 September and 30 September–October).

McGrath, N. 2022. RMIT Information Management students: *The Professional Experience presentation*, (Melbourne, Australia, 5 May 2022).

McGrath, N. 2022. Archives tour for Biodiversity Heritage Library work experience students, (Melbourne, Australia, 22 June 2022).

Melville, J., Sumner, J., Phillips, K., Mackenzie, M., and McGrath, N. 2022. Women at the Museum (WAM) presents *Changing Climates*, Melbourne, Australia (online webinar, 10 March 2022).

Lectures

Babister, S. 2022. *Exhibition conservation at Museums Victoria: planning and management.* Guest lecture to Master of Arts – Cultural Materials Conservation, CUMC 90029: Preventive Conservation (University of Melbourne, Melbourne, 26 May).

Berg, J. and **Faulkhead, S.** 2022. *Truth telling through Country: power and the passion.* Melbourne Knowledge Week program (Melbourne Museum, 11 May).

Cannon, A. 2021. Panel member. *10 Agents over 10 Months* – *#10 – Isolation and the silver linings.* Webinar. Australian Institute for the Conservation of Cultural Materials (online via Zoom, 9 December).

Carland, R., Rowe, K.C., Sumner, J. and **Walker, K**. 2021. *Fieldwork Treasures: How objects from the field reveal valuable insights.* Treasures of the Natural World lecture series, Museums Victoria (online lecture, 21 August).

Carland, R., Walker, K., Rowe, K. and **Zeigler, T.** 2021. *Favourite Treasures*. Treasures of the Natural World lecture series, Museums Victoria (online lecture, 17 July).

Carland, R., Webster, H., Wilson, R. and **Babister, S.** 2021. *Exploring extraordinary treasures.* Museums Victoria Lecture Series, Treasures of the Natural World Edition (online, 27 October).

Churchward, M. 2022. *Not just a pretty façade: exploring the hidden depths of the Spotswood Pumping Station.* Fresh Approaches to Big Old Things. Museums Victoria Lecture Series (Melbourne Museum Theatre and online, 16 March).

Coxsedge, D. 2022. Integrated pest management at Museums Victoria: Guest presentations to Master of Arts – Cultural Materials Conservation, CUMC 90029: Preventive Conservation (University of Melbourne, Melbourne, 30 May and 2 June).

Crotty, N. 2022. Inside the Scienceworks Collection Store. Fresh Approaches to Big Old Things. Museums Victoria Lecture Series (Melbourne Museum Theatre and online, 16 March).

Edmonds, F., Clarke, M. and **Mahoney, M**. 2021. '*The Living Archive*'. Cabinet of Natural History seminar series, History and Philosophy of Science Department, University of Cambridge, UK (via Zoom, 28 October).

Henry, D.A. 2021. *Gold in Victoria. Friends of Mineralogy,* Colorado Chapter (Boulder, Colorado, USA) (webinar, 20 August). **Henry, D.A.** 2021. *Museum collections – who needs them?* Guest lecture for Masters Course, Museums Studies, Deakin University (webinar, 27 August).

Henry, D.A. 2021. *Stardust memories – 50 years of the Murchison meteorite.* Vision Australia lecture (via Zoom, 23 September).

Henry, D.A. 2021. *Natural science collections and research at Museums Victoria*. Guest lecture for First Year Natural History course, School of Design, University of Melbourne (Webinar, 13 October).

Henry, D., Rich, T.H. and Warren, A. 2022. *Fresh approaches to deep time.* Museums Victoria Lecture Series (Melbourne Museum Theatre and online, 13 April).

Ikinger, P. 2022. Panel member. '*Silences of the Archive*' symposium. Deakin Motion Lab, Deakin University (online symposium, 11 February).

McCartney, E. 2021. *COVID and uncertainty: a Victorian experience*. 10 Agents over 10 Months -- #9 – COVID. Webinar. Australian Institute for the Conservation of Cultural Material (online via Zoom, 18 November).

McCartney, E. 2022. *A dinosaur story*. 'Off the Record' Lecture Series. Australian Institute for the Conservation of Cultural Materials – Victorian Division (Melbourne, 28 April).

McFadzean, M. 2021. *How is Museums Victoria working with communities to tell difficult histories?* Presentation for an online forum of potential international collaborators in a new international research project proposal auspiced by Landscapes of Injustice team led by University of Victoria, Canada (1 July).

McFadzean, M. 2021. *Developing exhibitions*. Guest lecture for Cultural Heritage and Museum Studies students, Deakin University (30 September).

McFadzean, M. 2021. *Object stories with Moya*. Meet the Museum. Webinar session for Victoria schools: Our Lady Help of Christians East Brunswick, and Mulgrave Primary School (11 November).

Moulton, K. 2021. *Art Forum: Kimberley Moulton.* Victorian College of the Arts / Faculty of Fine Arts and Music, University of Melbourne series of weekly talks (online, 30 September).

Moulton, K. 2021. *Tell me a story: lines and connections between Ancestor objects and First Peoples arts practice today.* Linework: Lines, Lineages and Networks in Indigenous Art. The Power Institute 2021 lecture series (Chau Chak Wing Museum, University of Sydney; and online via Zoom; 21 October).

Moulton, K. 2022. Panel member. *Conversations: The (art) centre of the world.* Melbourne Art Fair (17-20 February).

Moulton, K. 2022. Panel member. *Conversations: Local-Global: Redefining the Terms*. Melbourne Art Fair (17-20 February).

Moulton, K. 2022. Presenter. *MTalks UNTOLD x Artlink Magazine: Indigenous-Visualising Sovereignty*. MPavilion 2022 program (19 February).

Moulton, K. 2022. Panel Chair. '*Beyond Curating*': First Nation's curatorial practices in arts and cultural institutions. Shepparton Art Museum Talk (Shepparton Art Museum, 6 March).

Moulton, K. 2022. *Connecting to culture: First Peoples agency and creative practice in museums and archives.* Museum of Ethnography Geneva (Switzerland, 4 May).

Moulton, K. 2022. *Unvanished*. Reconciliation Week program (Federation Square, Melbourne, 27 May).

Moulton, K. 2022. *Return to Country: repatriation and resilience* (Wheeler Centre, Melbourne, 31 May).

O'Hara, T.D. and **Mackenzie, M.** 2021. *Meet the Museum*. Webinar session for Victoria regional schools: California Gully Primary School and Lisieux Catholic Primary School (14 October).

Perkins, H., Tout-Smith, D. and **Reason, M.** 2021. *Virtual Tour: Clothing and Textile Collections*. Melbourne Fashion Week program (online, 17 November).

Phillips, K., **O'Hara,** T. and **Mackenzie, M**. 2021. *Treasures of deep-sea science*. Museums Victoria Lecture Series, Treasures of the Natural World Edition (Online, 22 September).

Rowe, K.M.C. 2021. *Bioacoustics for biodiversity: harnessing new technologies to improve wildlife conservation and management.* Vision Australia lecture (via Zoom, 4 November).

Steele, G. 2021. *Outreach & Advocacy.* Guest lecture, School of Information and Communication Studies, Faculty of Arts & Education, Charles Sturt University (Online via Zoom, 21 September).

Stevenson, M. and **Carland, R.** 2021. *Collecting the Curve: a rapid response project*. Collecting with Care: Ethics in Museum Work webinar (online webinar, National Museum of Australia, Canberra, ACT, 23 July).

Stevenson, M. and **Talarico, A.** 2022. Workshop to develop an Exhibition and Design Brief for the Mansfield Heritage Museum (Mansfield, 27-28 March).

Sumner, J. and Hetz Rodriguez, J. 2021. *Cryobanking for wildlife conservation*. Talks and Workshop exploring the feasibility of cryo-preservation as a conservation tool for Victorian threatened species (8 December).

Tout-Smith, D., Jocic, L., Cottle, R., Gay, C. and Clarke,

R.L. 2021. *Stories of women from the collections*. Museums Victoria Lecture Series (online lecture, 17 July).

Urwin, C. 2021. Convenor and moderator. *Remembering through things, encountering objects and kin in the museum.* 2021-2022 Summer Institute in Museum Anthropology seminar series (Smithsonian Institution, Washington DC, USA, 21 October).

Vaughan, M. 2022. *Steam in the machine*. Fresh Approaches to Big Old Things. Museums Victoria Lecture Series (Melbourne Museum Theatre and online, 16 March).

Webster, H. 2021. *Nature Illustrated*. National Science Week Panel, State Library of Victoria (Online via Zoom, 19 August).

Webster, H. 2022. *Virtual Study Tour: MV Library.* Guest lecture, School of Information and Communication Studies, Faculty of Arts & Education, Charles Sturt University (Online via Zoom, 7 April).

Ziegler, T. 2022. *Retrieval and study of fossil Pleistocene megafauna from Potholes Reserve, Murrindal.* General Meeting, Victorian Speleological Association (4 May).

Ziegler, T. 2022. *Make emblems Kool again: electing the State Fossil of Victoria, Koolasuchus cleelandi*. Online meeting, Geological Society of Australia – Victorian Division (via Zoom, 26 May).