

OPEN DATA

**BOARD OF THE
QUEENSLAND
MUSEUM
ANNUAL
REPORT
2017/18**



**QUEENSLAND
MUSEUM
NETWORK**



**Queensland
Government**

OPEN DATA – DISCLOSURE OF ADDITIONAL INFORMATION

QMN publishes the following information reporting requirements on the Queensland Government Open Data website (<https://data.qld.gov.au>) in lieu of inclusion in the annual report:

APPENDIX 1: QUEENSLAND MUSEUM NETWORK CONSULTANCIES 2017-18

ENTITY	NAME OF CONSULTANCY	PURPOSE OF CONSULTANCY	2017-18 BUDGET	2017-18 EST ACTUAL	2018-19 BUDGET	COMMENTS
QM	Vincent's Chartered Accountants	Sciencecentre redevelopment financial capacity assessments		3,600		
QM	Tim Sullivan	Fees for services – Anzac Legacy Gallery		1,500		
QM	Aaron Curran Consulting	Review of Sciencecentre pricing and admissions model		9,750		
QM	Various Budget		2,000		146,808	In the main associated with major projects, e.g. Anzac Gallery and Repatriation
Total			2,000	14,850	146,808	

APPENDIX 2: QUEENSLAND MUSEUM NETWORK OVERSEAS TRAVEL

PERSON TRAVELLING	DESTINATION	PURPOSE	DATES	AGENCY COST	EXTERNAL PARTY FUNDS	EXTERNAL PARTY – FUNDING
Chantal Knowles	Papua New Guinea	Collaborative research with staff of the Papua New Guinea National Museum and Art Gallery (PNGNMAG)	16-23 July 2017	756	3,403	MacGregor ARC Grant (University of Sydney funds)
Gary Cranitch	Papua New Guinea	Photograph the McGregor collection, repatriated to PNGNMAG from the Queensland Museum	19-26 July 2017	756	3,403	MacGregor ARC Grant (University of Sydney funds)
Andrew Rozefelds	China & Singapore	International Botanical Congress Conference attendance and research	July – August 2017	2,496	1,682	Personal funds
Merrick Ekins	Ireland	10th World Sponge Conference attendance	June – July 2017	4,545	0	
Alexander Hayward	Taiwan	Asia Pacific Network of Science and Technology Centres (ASPAC) Executive Council meeting to collaboratively plan ASPAC affairs in preparation for the hosting of the 2019 ASPAC Conference in Brisbane.	5-11 July 2017	466	4,100	National Taiwan Science Education Center
Tom Bridge	Micronesia – Tonga	Field trip Diving for corals	23 Aug – 10 Sept 2017	0	7,000	ARC for Coral Reef Studies, James Cook University
Jennifer Beard	USA	Research on Mites for biosecurity	17 Aug – 10 Oct 2017	0	6,229	Federal dept. of Agriculture and Water Resources Contract No. PIN20566.
Amy Boulding	Japan	QMN STEM trip to speak at the Science Centre World Summit 2017 (SCWS) in Tokyo	14 – 19 Nov 2017	4,029	0	
Rebekah Collins	London UK	Old Museum Science Centre redevelopment project	3-11 Feb 2018	4,790	0	
Madeline Fowler	USA & France	Conference presentation and research at American Archaeology Conference in Washington DC	9-28 April 2018	1,174	162	Indiana University of Pennsylvania
Madeline Fowler	Denmark	Field trip reconnaissance survey, geophysics and test excavation of the only known submerged prehistoric midden site in the world, to inform how we might apply such knowledge in an Australian context	11 June – 2 July 2018	50	4,625	Flinders University & James Cook University
Chantal Knowles	UK & Denmark	Present at the Royal Anthropological Institute Conference, 'Art, Materiality and Representation' as part of the ARC Discovery Project Excavating MacGregor (DP150103518)	24 May – 6 June 2018	51	4,076	University of Sydney (UoS) and University of Wollongong (UoW)
Chris Burwell	Sabah, Malaysia	Deliver 2 week intensive field ecology classes for Griffith University students	June – July 2017	0	3,650	Griffith University
Carol Davidson	China	Shanghai Science and Technology Museum to attend the International Salon of Shanghai Science Festival	18-23 May 2018	112	1,041	The Shanghai Science and Technology Museum
Carol Davidson	USA	World Science Festival NY attendance and Brisbane festival planning	May – June 2018	4,622	0	
Jim Thompson	USA	World Science Festival NY attendance and Brisbane festival planning	May – June 2018	16,555	0	

APPENDIX 3: QUEENSLAND MUSEUM NETWORK PUBLICATIONS 2017-18

Peer Reviewed Publications 2017–2018 (122 peer review)

- Allsopp, P.G. 2017. Siegius, a replacement name for Bilobatus Sieg, 1993 (Crustacea: Tanaidacea: Apseudidae), preoccupied by Bilobatus Machatschke, 1970 (Insecta: Coleoptera: Scarabaeidae: Rutelinae). *Zootaxa* 4317: 584.
- Allsopp, P.G. and Hutchinson, P.M. 2018. The exotic whitegrub *Plectris aliena* Chapin (Coleoptera: Scarabaeidae: Melolonthinae) is more widely distributed in Australia than previously thought. *Australian Entomologist* 45:1-6.
- Koungoulos, L., Faulkner, P., Asmussen, B. 2018. Analysis of pit and score tooth-mark sizes from bones modified by Holocene Australian terrestrial fauna in relation to body size. *Journal of Archaeological Science Reports* 20:271-283.
- Alvarez-Noriega, M.A., Baird, A.H., Bridge, T.C.L., Dornelas, M., Fontoura, L., Pizarro, O., Precoda, K., Torres-Pulliza, D., Woods, R.M., Zawada, K. & Madin, J.S. 2018. Contrasting patterns of changes in abundance following a bleaching event between juvenile and adult scleractinian corals. *Coral Reefs* <https://doi.org/10.1007/s00338-018-1677-y1>
- Amey, A.P. & Couper, P.J. 2017. A redescription of *Lerista karlschmidti* (Marx & Hosmer, 1959) (Reptilia: Scincidae) from the Northern Territory and removal of this species from the Queensland faunal list by rejecting its type locality. *Memoirs of the Queensland Museum – Nature* 60: 177-183. <https://dx.doi.org/10.17082/j.2204-1478.60.2017.2017-08>
- Amey, A.P. & Edwards, D.L. 2017. Taxonomy of the sand sliders of Western Australia's central coast (genus *Lerista*, Squamata: Scincidae): recognition of *Lerista miopus* (Günther, 1867). *Zootaxa*, 4317, 111–133
- Amey, A.P., Worthington Wilmer, J., Blomberg, S.P. & Couper, P.J. 2018. Range extension and genetic structure of the narrowly-restricted slider skink, *Lerista rochfordensis* Amey and Couper, 2009 (Reptilia: Scincidae). *Memoirs of the Queensland Museum – Nature* 61: 29-41
- Baehr, B. C., Harms, D., Dupérré, N. & Raven, R. 2017. The Australian lynx spiders (Araneae, Oxyopidae, Oxyopes) of the Godeffroy Collection, including the description of a new species. *Evolutionary Systematics* 1: 11-37
- Baehr, B. C., Raven, R. & Harms, D. 2017. High Tide or Low Tide?: *Desis bobmarleyi* sp. n., a new spider from coral reefs in Australia's Sunshine State and its relative from Sãomoa (Araneae, Desidae, Desis). *Evolutionary Systematics* 1: 111-120.
- Barnes, R.S.K. 2017. Patterns of benthic invertebrate biodiversity in intertidal seagrass in Moreton Bay, Queensland. *Regional Studies in Marine Science* 15: 17–25
- Barnes, R.S.K. & Lauriec, H. 2018. Seagrass macrofaunal abundance shows both multifractality and scaleinvariant patchiness. *Marine Environmental Research*. 138 (2018) 84–95.
- Barnett, L.K., Phillips, B.L., Heath, A.C.G., Coates, A., & Hoskin, C.J. 2018. The impact of parasites during range expansion of an invasive gecko. *Parasitology*, 1-10.
- Barnett, L.K., Phillips, B.L., & Hoskin, C.J. 2017. Going feral: time and propagule pressure determine range expansion of Asian house geckos into natural environments. *Austral Ecology*, 42 (2), 165-175.
- Bird, M.I. R.J. Beaman, S.A. Condie, A. Cooper, S. Ulm and P. Veth 2018 Palaeogeography and voyage modeling indicates early human colonization of Australia was likely from Timor-Roti. *Quaternary Science Reviews* 191:431-439. <https://doi.org/10.1016/j.quascirev.2018.04.027>
- Bishop, P.J., Clemente, C.J., Weems, R.E., Graham, D.F., Lamas, L.P., Hutchinson, J.R., Rubenson, J., Wilson, R.S., Hocknull, S.A., Barrett, R.S. & Lloyd, D.G. 2017. Using step width to compare locomotor biomechanics between extinct, non-avian theropod dinosaurs and modern obligate bipeds (2017) *Journal of the Royal Society Interface*, 14 (132), art. no. 20170276.
- Bragg, J.G., Potter, S., Silva, A.C.A., Hoskin, C.J., Bai, B.Y.H., & C Moritz, C. 2018. Phylogenomics of a rapid radiation: The Australian rainbow skinks. *BMC evolutionary biology*, 18 (1), 15.
- Buedenbender, L., Carroll, A.R., Ekins, M. & Ipek Kurtböke, D. 2017. Taxonomic and Metabolite Diversity of Actinomycetes Associated with Three Australian Ascidiarians. *Diversity* 9(4):53. <https://doi.org/10.3390/d9040053>.
- Burrow, C. & Gendry, D. 2017. Lost and found *Machaeracanthus* spines from the Lower Devonian of western France. *Annales de la Société Géologique du Nord*, 24 (2nd series), 71-78.
- Burrow, C.J., Ivanov, A.O. & Ershova, V.B., 2018. Acanthodians from the Silurian–Devonian boundary beds of Novaya Zemlya Archipelago, Russia. *GFF*: 1-8. <https://doi.org/10.1080/11035897.2018.1474381>
- Christy, A.G. 2018. Quantifying lithophilicity, chalcophilicity and siderophilicity. *European Journal of Mineralogy*. <https://doi.org/10.1127/ejm/2017/0029-2674>.
- Clemente, C.J., Bishop, P.J., Newman, N., & Hocknull, S.A. 2017. Steady bipedal locomotion with a forward situated whole-body centre of mass: The potential importance of temporally asymmetric ground reaction forces (2017) *Journal of Zoology*, 304(3): 193-201.
- Coates, A., Barnett, L.K., Hoskin, C., & Phillips, B.L. 2017. Living on the edge: parasite prevalence changes dramatically across a range edge in an invasive gecko. *The American Naturalist*, 189 (2), 178-183.
- Couper, P.J., Hoskin, C.J., Potter, S., Bragg, J.G. & Moritz, C. 2017. A new genus to accommodate three skinks currently assigned to *Proablepharus* (Lacertilia: Scincidae). *Memoirs of the Queensland Museum* 60: 227-231
- Cumming R.L., Gordon D.P. & Gowlett-Holme, S.K. 2018. Chapter 9. Bryozoans in the marine benthos. In: Cook PL, Bock PE, Gordon DP, Weaver HJ (eds) *Australian Bryozoa. Volume 1: biology, ecology and natural history*. pp 145-162 (CSIRO Publishing: Melbourne)
- Davie, P.J.F. 2017. Commensal associations: Crustacea. Pp. 64–69. In, Byrne, M. & O'Hara T.D. (Eds), *Australian echinoderms: biology, ecology and evolution*. (CSIRO Publishing, Clayton, Vic.).
- Davie, P.J.F. & Becker, C. 2017. Michael Türkay (3 April 1948–9 September 2015). In, Magalhães, C., Becker, C., Davie, P.J.F., Klimpel, S., Martínez-Arbizu, P. & Sonnewald, M. (Eds), *Special Issue Dedicated to the Memory of Michael Türkay (1948-2015)*, *Crustaceana*. 90 (7-10): 773–797.

27. Di Palma, A., Seeman O.D. & Alberti G. 2017. Complexity, adaptations and variations in the secondary insemination system of female Dermanyssina mites (Acari: Anactinotrichida: Gamasina): the case of *Afrocypholaelaps africana*. *Experimental and Applied Acarology*, 72(3):191-203
28. Disspain, M.C.F., S. Ulm, N. Draper, J. Newchurch, S. Fallon and B.M. Gillanders 2018 Long-term archaeological and historical archives for mulloway, *Argyrosomus japonicus*, populations in eastern South Australia. *Fisheries Research* 205:1-10. <https://doi.org/10.1016/j.fishres.2018.03.009>
29. Dohrmann, M., Kelley, C., Kelly, M., Pisera, A., Hooper, J.N.A. & Reiswig, H.M. 2017. An integrative systematic framework helps to reconstruct skeletal evolution of glass sponges (Porifera, Hexactinellida). *Frontiers in Zoology*. 14 (18): 1-31 <https://doi.org/10.1186/s12983-017-0191-3>
30. Ekins, M., Debitus, C., Erpenbeck, D. & Hooper, J.N.A. 2018. A new species of the sponge *Raspailia* (Raspaxilla) (Porifera: Demospongiae: Axinellida: Raspailiidae) from deep seamounts of the Western Pacific. *Zootaxa*. 4410 (2): 379–386 <https://doi.org/10.11646/zootaxa.4410.2.7>
31. Ekins, M., Willis, B., Bridge, T., Srinivasan, M., Rowley, S. & Hooper, J.N.A. 2017. The coral killing sponge *Terpios hoshinota* in Kimbe Bay, Papua New Guinea. *Memoirs of the Queensland Museum – Nature*. 60: 174–175
32. El-Demerdash, A., Atanasov, A.G., Abdel-Mogib, M., Hooper, J.N.A. & Al-Mourabit, A. 2018. *Batzella*, *Crambe* and *Monanchora*: Highly Creative Marine Sponge Genera Yielding Compounds with Potential Applications for Cancer and Other Therapeutic Areas. *Nutrients* 10, 33: 1-24; <https://doi.org/10.3390/nu10010033>.
33. El-Demerdash, A., Tammam, M., Atanasov, A., Hooper, J.N.A., Al-Mourabit, A. & Kijjoo, A. 2018. Chemistry and Biological Activities the Marine Sponges of the Genera *Mycale* (Arenochalina), *Biemna* and *Clathria*. *Marine Drugs* 16: 214; doi.org/10.3390/md16060214.
34. Englebert, N., Bongaerts, P., Muir, P., Hay, K., Pichon, M., Hoegh-Guldberg, O. 2017. Lower mesophotic coral communities (60–125 m depth) of the northern Great Barrier Reef and Coral Sea. *PLoSOne* 12, e0170336.
35. Erpenbeck, D., Aryasari, R., Benning, S., Debitus, C., Kaltenbacher, E., Al-Aidaros, A.M., Schupp, P., Hall, K., Hooper, J.N.A., Voigt, O., de Voogd, N.J. & Wörheide, G. 2017. Diversity of two widespread Indo-Pacific demosponge species revisited. *Marine Biodiversity*. <https://doi.org/10.1007/s12526-017-0783-3>.
36. Ewart, A. 2018. Two new genera and five new species of Mugadina-like small grass cicadas (Hemiptera: Cicadidae: Cicadettini) from Central and Eastern Australia: comparative morphology, songs, behaviour and distributions. *Zootaxa* 4413(1), 1–56.
37. Galitz, A., de Cook, S.C., Ekins, M., Hooper, J.N.A., Naumann, P.T., de Voogd, N.J., Wahab, M.A., Wörheide, G., Erpenbeck, D. 2018. Identification of an aquaculture Poriferan Pest with Potential and its phylogenetic implications. *PeerJ* 6:e4596 <https://doi.org/10.7717/peerj.4596>.
38. George, A.M. 2017. Sponges & Environment. *Reef Encounter* 32(1) 51-55.
39. George, A.M., Brodie, J., Daniell, J., Capper, A., & Jonker, A. 2018. Can sponge morphologies act as environmental proxies to biophysical factors in the Great Barrier Reef, Australia? *Ecological Indicators* 93:1152-1162, <https://doi.org/10.1016/j.ecolind.2018.06.016>.
40. Gillespie, K. 2017. Protecting Our Shadow: Repatriating Ancestral Recordings to the Lihir Islands, Papua New Guinea (book chapter). In *A Distinctive Voice in the Antipodes: Essays in Honour of Stephen A. Wild*. Acton: ANU Press. Pp. 355–374.
41. Gillespie, K. 2018. The ethnomusicologist at the rock face: Reflections on working at the nexus of music and mining. In *Post*, Jennifer C. (ed.) *Ethnomusicology: A Contemporary Reader*, Volume II. New York and London: Routledge, pp. 81-96.
42. Gunter, N.L., Monteith, G.B., Cameron, S.L. & Weir, T.A. 2018. Evidence from Australian mesic zone dung beetles supports Gondwanan vicariance and Mesozoic origin of the Scarabaeinae (Coleoptera: Scarabaeidae). *Insect Systematics & Evolution*.
43. Harrison, S.E., Harvey, M.S., Cooper, S.J.B., Austin, A.D. & Rix, M.G. 2017. Across the Indian Ocean: a remarkable example of trans-oceanic dispersal in an austral mygalomorph spider *PLoS One* 12(8): e0180139.
44. Harvey, M.S., Hillyer, M.J., Main, B.Y., Moulds, T.A., Raven, R.J., Rix, M.G., Vink, C.J. & Huey, J.A. 2018. Phylogenetic relationships of the Australasian open-holed trapdoor spiders (Araneae: Mygalomorphae: Nemesiidae: Anaminae): multi-locus molecular analyses resolve the generic classification of a highly diverse fauna. *Zoological Journal of the Linnean Society* <https://doi.org/10.1093/zoolinnean/zlx111>.
45. Healy, J.M. & Glaubrecht, M. 2018. Ultrastructure of spermatophoral sperm in the freshwater gastropod *Thiara amarula* (Linnaeus, 1758) (Cerithioidea: Thiaridae): potential taxonomic features including eusperm nuclear content differentiation. *Journal of Molluscan Studies* (2018): 1–14. <https://doi.org/10.1093/mollus/eyy018>
46. Holcroft, L. 2018. A revision of Gyrocochlea-grade Charopidae from mid-eastern Queensland and redescription and generic reassignment of three Gyrocochlea-grade species (Eupulmonata: Charopidae). *Memoirs of the Queensland Museum – Nature* 61: 1–28. <https://doi.org/10.17082/j.2204-1478.61.2018.2017-14>
47. Hughes, T.P., Anderson, K.D., Connolly, S.R., Heron, S.F., Kerry, J.T., Lough, J.M., Baird, A.H., Baum, J.K., Berumen, M.L., & Bridge, T.C. 2018. Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. *Science* <https://doi.org/10.1126/science.aan8048>
48. Johnson, J.W. & Worthington Wilmer, J. 2018. Three new species of *Parapercis* (Perciformes: Pinguipedidae) and first records of *P. muronis* (Tanaka, 1918) and *P. rubromaculata* Ho, Chang & Shao, 2012 from Australia. *Zootaxa*. 4388 (2): 151–181 <https://doi.org/10.11646/zootaxa.4388.2.1>
49. Johnson, J.W. & Motomura, H. 2017. Five new species of *Parapercis* (Perciformes: Pinguipedidae) from southeast Asia and northwest Australia. *Zootaxa*. 4320 (1): 121–145, <https://doi.org/10.11646/zootaxa.4320.1.7>.
50. Kenady, S.L., K.M. Lowe, P.V. Ridd and S. Ulm (2018) Creating volume estimates for buried shell deposits: A comparative experimental case study using ground-penetrating radar (GPR) and electrical resistivity under varying soil conditions. *Archaeological Prospection* (Published online 8 February 2018). <https://doi.org/10.1002/arp.1594>
51. Kenady, S.L., K.M. Lowe and S. Ulm 2018 Determining the boundaries, structure and volume of buried shell matrix deposits using ground-penetrating radar: A case study from northern Australia. *Journal of Archaeological Science: Reports* 17:538–549. <https://doi.org/10.1016/j.jasrep.2017.12.015>

52. Khanjani, M., Khanjani, M. & Seeman, O.D. 2018. The spider mites of the genus *Oligonychus* Berlese (Acari: Tetranychidae) from Iran. *Systematic & Applied Acarology*, 23, 223-287.
53. Khanjani, M., Khanjani, M. & Seeman, O.D. 2017. New spider mites (Acari: Tetranychidae) of the genera *Paraplonobia* and *Eurytetranychus* from Iran, and a description of all life stages of *Eutetranychus orientalis* (Klein). *Acarologia*, 57(3): 465-491.
54. Kreij, A., J. Scriffignano, D. Rosendahl, T. Nagel and S. Ulm (in press) Aboriginal stone-walled intertidal fishtrap morphology, function and chronology investigated with high-resolution close-range Unmanned Aerial Vehicle photogrammetry. *Journal of Archaeological Science* <https://doi.org/10.1016/j.jas.2018.05.012>
55. Latifi, M., Mahdavi, S.M., Asadi, M. & Seeman, O.D. 2018. A new species of the neotenic genus *Larvacarus* (Acariformes: Tenuipalpidae) from *Astragalus* (Fabaceae) in Iran. *Systematic & Applied Acarology* 23, 216-222.
56. Laverick, J.H., Piango, S., Andradi-Brown, D.A., Exton, D.A., Bongaerts, P., Bridge, T.C. & Rogers, A. D. 2018. To what extent do mesophotic coral ecosystems and shallow reefs share species of conservation interest? A systematic review. *Environmental Evidence* 7 (1): 15.
57. Lavery, T.H. & Judge, H. 2017. A new species of giant rat (Muridae, *Uromys*) from Vangunu, Solomon Islands. *Journal of Mammalogy* <https://doi.org/10.1093/jmammal/gyx116>.
58. Leach, E.C., Burwell, C.J., Jones, D.W. & Kitching, R.L. 2018. Modelling the responses of Australian subtropical rainforest birds to changes in environmental conditions along elevational gradients. *Austral Ecology* <https://doi.org/10.1111/aec.12586>.
59. Loch, D.S. & Seeman, O.D. 2017. Incidence and distribution of mite species across a reference collection of *Cynodon* spp. (Bermudagrass) genotypes growing in Subtropical Australia. *International Turfgrass Society Research Journal* 13, 512-516.
60. Loch, D.S., Seeman, O.D., Knihinicki, D.K. & McMaugh, P.E. 2017. Distribution, field recognition and implications of phytophagous mite species on *Cynodon* spp. (Bermudagrass) and *Pennisetum clandestinum* (Kikuyugrass) in Australia. *International Turfgrass Society Research Journal*, 13, 502-511.
61. McKay, J. & Healy, J.M. 2017. Elizabeth Coxen: pioneer naturalist and the Queensland Museum's first woman curator. *Memoirs of the Queensland Museum – Nature* 60: 139-160 <https://doi.org/10.1082/j.2204-1478.60.2017.2017-05>.
62. McKnight, D.T., Alford, R.A., Hoskin, C.J., Schwarzkopf, L., Greenspan, S.E., Zenger, K.R., & Bower D.S. 2017. Fighting an uphill battle: the recovery of frogs in Australia's Wet Tropics. *Ecology*, 98 (12), 3221-3223.
63. Magalhães, C., Becker, C., Davie, P.J.F., Klimpel, S., Martínez-Arbizu, P. & Sonnewald, M. (Eds) 2017. Special Issue Dedicated to the Memory of Michael Türkay (1948-2015), *Crustaceana* 90 (7-10): 1155-1175.
64. Mate, G. and C. Pocock (2017) A Disconnected Journey. *International Journal of Heritage Studies*, DOI: 10.1080/13527258.2017.1378902.
65. Miller, T.L., Barnett, S.K., Seymour, J.E., Jenkins, T.P., McNamara, M. & Adlard, R.D. 2018. Biliary tract-infecting myxosporeans from estuarine and reef stonefish (Scorpaeniformes: Synanceiidae) off eastern Australia, with descriptions of *Sphaeromyxa horrida* n. sp. and *Myxidium lapipiscis* n. sp. (Myxosporea: Bivalvulida). *Journal of Parasitology* 104(3), 254-261.
66. Mills, S.J., Christy, A.G. & Favreau, G. 2018. The crystal structure of ceruleite, $\text{CuAl}_4[\text{AsO}_4]_2(\text{OH})_8(\text{H}_2\text{O})_4$, from Cap Garonne, France. *Mineralogical Magazine* 82: 181-187.
67. Mills, S.J., Christy, A.G., Favreau, G. & Galea-Cloulus, V. 2017. Multidimensional structural variation in the cyanotrichite family of merotypes: camerolaite-3b-F-1. *Acta Crystallographica B* 73: 950-955.
68. Mitchell, M.L., Hamilton, B.R., Madio, B., Morales, R.A.V., Tonkin-Hill, G.Q., Papenfuss, A.T., Purcell, A.W., King, G.F., Undheim, E.A.B. & Norton, R.S. 2017. The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones* *Aust. J. Chem.* <https://doi.org/10.1071/CH17228> CSIRO Publishing.
69. Monteith, G. B. & Rossini, M. 2017. A new name for the Australian dung beetle, *Onthophagus bicornis* Macleay, 1888 (Coleoptera: Scarabaeidae) with notes on type locality, distribution and biology. *Australian Entomologist* 44(3): 161-171.
70. Moulds, M.S. & Popple, L.W. 2018. A new species of *Yoyetta* (Hemiptera: Cicadidae: Cicadettini) from New South Wales. *Australian Entomologist* 45(2)m 177-189.
71. Muir, P. 2017. Exploring the twilight zone of the Great Barrier Reef. *Ocean Geographic* 16, 15-24.
72. Muir, P.R., Marshall, P.A., Abdulla, A. & Aguirre, J.D. 2017. Species identity and depth predict bleaching severity in reef-building corals: shall the deep inherit the reef? *Proceedings B, Royal Society Proc. R. Soc. B* 284: 20171551. <https://dx.doi.org/10.1098/rspb.2017.1551>.
73. Muir, P.R., Pichon, M., Squire Jnr, L. & Wallace, C.C. 2018. *Acropora tenella*, a zooxanthellate coral extending to 110-m in the northern Coral Sea depth. *Marine Biodiversity* <https://doi.org/10.1007/s12526-018-0855-z>.
74. Myers, A.A. & George, A.M. 2017. Amphipoda living in sponges on the Great Barrier Reef, Australia (Crustacea, Amphipoda). *Zootaxa* 4365 (5): 571-584. <https://doi.org/10.11646/zootaxa.4365.5.4>.
75. Naser, M.D., Davie, P.J.F. & Waltham, N. 2018. Redescription of *Austrothelphusa wasselli* (Bishop, 1963) (Crustacea: Brachyura: Gecarcinidae), and designation of a new species from the Gilbert River, north Queensland, Australia. *Zootaxa*, 4369(1): 109-127.
76. Nelson, L.J., Seeman, O.D. & Shinwari, M.W. 2017. *Psorergatoides* cf. *kerivoulae* (Acari: Psorergatidae) induces cutaneous lesions on the wings of *Myotis macropus* (Chiroptera: Vespertilionidae). *Systematic & Applied Acarology* 22(3): 446-448.
77. Newman, M.J. & Burrow, C.J., 2018. Allocation of Devonian acanthodian lectotypes. *Scottish Journal of Geology* 1 p.
78. Oliver, P.M., Blom, M.P.K., Cogger, H.G., Fisher, R.N., Richmond, J.Q., & Woinarski, J.C.Z. 2018. Insular biogeographic origins and high phylogenetic distinctiveness for a recently depleted lizard fauna from Christmas Island, Australia. *Biology Letters* 14: 20170696. <https://doi.org/10.1098/rsbl.2017.0696>.
79. Pearce, C., Burwell, C.J. & Baker, A.M. 2017. Dietary composition and prey preference of a new carnivorous marsupial species, the buff-footed antechinus (*Antechinus mysticus*), at the northern and southern limits of its range. *Australian Journal of Zoology* <https://doi.org/10.1071/ZO16028>.
80. Pocock, C., M. Stell and G. Mate (2018) 'Raw emotion: the Living Memory module at three sites of practice'. In L. Smith and M. Wetherall (Eds), *Emotion, affective practices and the past in the present*. Routledge: Abingdon, Oxon, UK.

81. Popple, L.W. 2017. A revision of the *Myopsalta crucifera* (Ashton) species group (Hemiptera: Cicadidae: Cicadellini) with 14 new species from mainland Australia. *Zootaxa* 4340(1), 1–98.
82. Popple, L.W. & Emery, D.L. 2017. Two new species of *Clinopsalta* Moulds (Hemiptera: Cicadidae) and additional distribution records for *Clinopsalta adelaida* (Ashton), with notes on their distinctive calling songs. *Records of the Australian Museum* 69(4), 237–256. <https://doi.org/10.3853/rj.2201-4349.69.2017.1673>.
83. Poropat, S.F., Nair, J.P., Syme, C.E., Mannion, P.D., Upchurch, P., Hocknull, S.A., Cook, A.G., Tischler, T.R., & Holland, T. 2017. Reappraisal of *Austrosaurus mckillopi* Longman, 1933 from the Allaru Mudstone of Queensland, Australia's first named Cretaceous sauropod dinosaur (2017) *Alcheringa*, 41 (4), pp. 543–580.
84. Prangnell, J and H Craig-Ward 2017 Domestic Archaeology of 1 William Street, Brisbane City, Australasian Historical Archaeology 35:71-78.
85. Quattrini, A.M., Faircloth, B.C., Dueñas, L.F., Bridge, T.C., Brugler, M.R., Calixto Botía, I. F., & Miller, D. J. 2018. Universal target enrichment baits for anthozoan (Cnidaria) phylogenomics: New approaches to long standing problems. *Molecular ecology resources* 18(2), 281–295.
86. Raven, R.J. & Hebron, W. 2018. A review of the water spider family Pisauridae in Australia and New Caledonia with descriptions of four new genera and 23 new species. *Memoirs of the Queensland Museum, Nature* 60: 233–381.
87. Reinhold, L., Limpus, C.J., Limpus, D.J. & Whiting, A.U. 2017. Pivotal temperature of Loggerhead sea turtles, *Caretta caretta*, from Dirk Hartog Island, Western Australia. *Memoirs of the Queensland Museum – Nature*. 60: 161–171.
88. Revell, B., Couper, P.J., Wilson, S., Amey, A.P., & Hoskin, C.J. 2017. A significant range extension for the Border Ranges Leaf-tailed Gecko, *Saltuarius swaini* (Wells & Wellington, 1985) (Reptilia: Carphodactylidae). *Memoirs of the Queensland Museum – Nature* 60: 185–191, <https://dx.doi.org/10.17082/rj.2204-1478.60.2017.2017-10>.
89. Rix, M.G., Bain, K., Main, B.Y., Raven, R.J., Austin, A.D., Cooper, S.J.B. & Harvey, M.S. 2018 Systematics of the spiny trapdoor spiders of the genus *Cataxia* (Mygalomorphae: Idiopidae) from south-western Australia: documenting a threatened fauna in a sky-island landscape. *Journal of Arachnology* 45: 395–423.
90. Rix, M.G., Huey, J.A., Cooper, S.J.B., Austin, A.D. & Harvey, M.S. 2018. Conservation systematics of the shield-backed trapdoor spiders of the *nigrum*-group (Mygalomorphae, Idiopidae, Idiosoma): integrative taxonomy reveals a diverse and threatened fauna from south-western Australia. *ZooKeys* 756: 1–121.
91. Rix, M.G., Main, B.Y., Raven, R.J. & Harvey, M.S. 2018. Systematics of the spiny trapdoor spiders of the genus *Eucanippe* (Mygalomorphae: Idiopidae: Aganippini) from south-western Australia: documenting a poorly-known lineage from Australia's biodiversity hotspot. *Journal of Arachnology* 46: 133–154.
92. Rix, M.G., Raven, R.J., Main, B.Y., Harrison, S.E., Austin, A.D., Cooper, S.J.B. & Harvey, M.S. 2017. The Australasian spiny trapdoor spiders of the family Idiopidae (Mygalomorphae: Arbanitinae): a relimitation and revision at the generic level. *Invertebrate Systematics* 31: 566–634.
93. Rogers, D.C., Ahyong, S.T., Boyko, C.B., d'Udekem d'Acoz, C., et al. [multiple authors including Davie, P.J.F.]. 2017. Images are not and should not ever be type specimens: a rebuttal to Garraffoni & Freitas. *Zootaxa* 4269(4): 455–459.
94. Rozefelds, A.C., Dettmann, M.E., Clifford, H.T., & Carpenter, R. 2017. *Lygodium* (Schizaeaceae) in southern high latitudes during the Cenozoic; a new species and new insights into character evolution in the genus. *Rev. Palaeobot. Palynol.* 247: 40–52.
95. Rozefelds, A.C., Dettmann, M.E., Clifford H.T. & Ekins, M. 2017. An Australian origin for the candle nut (Aleurites, Crotonoideae, Euphorbiaceae) and the fossil record of the Euphorbiaceae and related families in Australia and New Zealand. *Review of Palaeobotany and Palynology*. <http://dx.doi.org/10.1016/j.revpalbo.2017.01.006>.
96. Rozefelds, A.C. & Pace, M.R. 2018. The first record of fossil Vitaceae wood from the Southern Hemisphere, a new combination for *Vitaceoxylon ramunculiformis*, and reappraisal of the fossil record of the grape family (Vitaceae) from the Cenozoic of Australia. *Journal of Systematics and Evolution*. <https://doi.org/10.1111/jse.12300>.
97. Scheele, B.C., Skerratt, L.F., Grogan, L.F., Hunter, D.A., Clemann, N., McFadden, M., Newell, D., Hoskin, C.J., Gillespie, G.R., Heard, G.W., Brannelly, L., Roberts, A.A. & Berger, L. 2017. After the epidemic: Ongoing declines, stabilizations and recoveries in amphibians afflicted by chytridiomycosis. *Biological Conservation* 206, 37–46.
98. Seeman, O.D., Akamine, A. & Loch, D.S. 2017. Flat mites: a potential threat to turfgrasses worldwide, or already widespread? *International Turfgrass Society Research Journal* 13, 497–501.
99. Seeman, O.D., Beard, J.J. & Zhang, L. 2017. A new Australian species of *Eotetranychus* (Acari: Tetranychidae) from buck spinifex *Triodia mitchelli* (Poaceae), intraspecific variation in *Eotetranychus*, and the synonymy of *Platyotetranychus* with *Eotetranychus*. *Zootaxa* 4324 (3), 491–517.
100. Seeman, O.D., Lindquist, E.E. & Husband, R.W. 2018. A new tribe of tarsonemid mites (Trombidiformes: Heterostigmata) parasitic on tetrigid grasshoppers (Orthoptera). *Zootaxa* 4418, 1–54.
101. Seeman, O.D., Minor, M., Baker, M.R. & Walter, D.E. 2018. A revision of the Heatherellidae (Parasitiformes: Mesostigmata) with a new genus and two new species from Australasia. *Zootaxa*. 4434: 441–465.
102. Shahdadi, A., Davie, P.J.F. & Schubart, C.D. 2017. *Perisesarma tuerkayi*, a new species of mangrove crab from Vietnam (Decapoda, Brachyura, Sesarmidae), with an assessment of its phylogenetic relationships. In: Magalhães, C., Becker, C., Davie, P.J.F., Klimpel, S., Martínez-Arbizu, P. & Sonnewald, M. (Eds), *Special Issue Dedicated to the Memory of Michael Türkay (1948–2015)*, *Crustaceana*. 90 (7–10): 1155–1175.
103. Shahdadi, A., Davie, P.J.F. & Schubart, C.D. 2018. Systematics and phylogeography of the Australasian mangrove crabs *Perisesarma semperi* and *P. longicristatum* (Decapoda : Brachyura : Sesarmidae) based on morphological and molecular data. *Invertebrate Systematics* 32: 196–214.
104. Sidabalok, C.M. & Bruce, N. 2018. *Cirolana bambang*, a distinctive new species of *Cirolana* Leach, 1818 (Crustacea: Isopoda: Cirolanidae) from Bitung, Indonesia. *Zootaxa* 4375 (3): 441–450 <https://doi.org/10.11646/zootaxa.4375.3.10>.

105. Sidabalok, C.M. & Bruce, N. 2018. Two new species and a new record of *Metacirrolana* Kussakin, 1979 (Crustacea: Isopoda: Cirrolanidae) from Indonesia. *Zootaxa* 4370 (5): 519–534 <https://doi.org/10.11646/zootaxa.4370.5.4>.
106. Singhal, S., Hoskin, C.J., Couper, P., Potter, S. & Moritz, C. 2018. A framework for resolving cryptic species: a case study from the lizards of the Australian Wet Tropics. *Systematic Biology*.
107. Skippington, J., Manne, T. & Veth, P. 2018. 'Macropods and measurable: A critical review of contemporary isotopic approaches to palaeo-environment reconstructions in Australian zooarchaeology', *Journal of Archaeological Science: Reports*, vol. 17, pp. 144–154.
108. Sloss, C.R., L. Nothdurft, Q. Hua, S.G. O'Connor, P.T. Moss, D. Rosendahl, L.M. Petherick, R.A. Nanson, L.L. Mackenzie, A. Sternes, G.E. Jacobsen and S. Ulm (in press) Holocene sea-level change and coastal landscape evolution in the southern Gulf of Carpentaria, Australia. *The Holocene* <https://doi.org/10.1177/0959683618777070>
109. Smales, L.R., Adlard, R.D., Elliot, A., Kelly, E., Lymbery, A.J., Miller, T.L. & Shamsi, S. 2017. A review of the Acanthocephala parasitising fresh water fishes in Australia. *Parasitology*, 1-11. (Cambridge University Press) [doi:10.1017/S0031182017001627](https://doi.org/10.1017/S0031182017001627).
110. Smallhorn-West, P. F., Bridge, T. C., Munday, P. L. & Jones, G. P. 2017. Habitat morphology constrains the depth distribution and growth rate of a coral-associated reef fish. *Marine Ecology Progress Series* 576, 43–53.
111. Snyder, D., Turner, S., Burrow, C.J., & Daeschler, E.B. 2017. "Gyracanthus" *sherwoodi* (Gnathostomata, Gyracanthidae) from the Late Devonian of North America. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 165, 195–219.
112. Song, J-H, Bruce, N.L., & Min, G-S. 2018. The first records of *Stenobermuda* Schultz, 1982 and *Tenupedunculus* Schultz, 1979 from the Great Barrier Reef (Isopoda, Asellota, Stenetriidae) Australia, with description of two new species from the Great Barrier Reef (Isopoda, Asellota, Stenetriidae). *ZooKeys* 733: 1–24. <https://doi.org/10.3897/zookeys.733.20474>.
113. Stanisic, J. 2018. Revision of the land snail genus *Pallidelix* Iredale, 1933 with the description of new species from the central highlands of inland Queensland (Gastropoda: Eupulmonata: Camaenidae). *Memoirs of the Queensland Museum – Nature* 60: 193–226, <https://dx.doi.org/10.1082/j.2204-1478.60.2017.2017-11>.
114. Stanisic, J. 2018. Description of a new species of semi-slug, *Fastosarion comerfordae* sp. nov., from Eungella National Park, mid-eastern Queensland (Gastropoda: Eupulmonata: Helicarionidae). *Memoirs of the Queensland Museum – Nature* 61: 43–51.
115. Stanisic, J., Shea, M., Potter, D. & Griffiths, O. 2018. *Australian Land Snails, Vol 2. A field guide to southern, central and western species*. Bioculture Press: Mauritius 594 pp.
116. Theischiner, G. & Burwell, C.J. 2017. A second species of *Oristicta* Tillyard (Odonata: Isostictidae). *Zootaxa* 4323 (1): 83–95.
117. Turner, S. & Burrow, C.J., 2018. Microvertebrates from the Silurian–Devonian boundary beds of the Eastport Formation, Maine, eastern USA. *Atlantic Geology*, 54: 171–187.
118. Valles, S.M., Wylie, R., Burwell, C.J., McNaught, M.K. & Horlock, C. 2017. Evaluation of a lateral flow immunoassay for field identification of *Solenopsis invicta* (Hymenoptera: Formicidae) in Australia. *Austral Entomology*, Version of Record online : 9 AUG 2017, <https://doi.org/10.1111/aen.12297>.
119. Velasquez, E., Bryan, S.E., Ekins, M., Cook, A.G., Hurrey, L., & Firn, J. 2018. Age and area predict patterns of species richness in pumice rafts contingent on oceanic climatic zone encountered. *Ecol. Evol.* 2018;00:1–13. <https://doi.org/10.1002/ece3.3980>.
120. Wahab, H.A., Pham, N.B., Tengku Muhammad, T.S., Hooper, J.N.A. & Quinn, R.J. 2017. Merosesquiterpene Congeners from the Australian Sponge *Hyrtios digitatus* as Potential Drug Leads for Atherosclerosis Disease. *Marine Drugs* 15 (6): 1–10 <https://doi.org/10.3390/md15010006>.
121. Williams, A.N., S. Ulm, T. Sapienza, S. Lewis and C.S.M. Turney 2018. Sea-level change and demography during the last glacial termination and early Holocene across the Australian continent. *Quaternary Science Reviews* 182:144–154. <https://doi.org/10.1016/j.quascirev.2017.11.030>
122. Wilson, J.D., Hughes, J.M., Raven, R.J., Rix, M.G. & Schmidt, D.J. 2018. Spiny trapdoor spiders (Euoplos) of eastern Australia: Broadly sympatric clades are differentiated by burrow architecture and male morphology. *Molecular Phylogenetics & Evolution* 122, 157–165.

Research papers (number published) – non peer reviewed (3)

1. Fowler, M. 2017. Please God Send Me A Wreck: Responses to Shipwreck in a 19th Century Australian Community. Brad Duncan and Martin Gibbs. *Journal of Anthropological Research* 73(3): 493–495.
2. Fowler, M. 2017. Maritime Heritage in Crisis: Indigenous Landscapes and Global Ecological Breakdown. Richard Hutchings. *Heritage & Society*.
3. Wilson, J. (2018) Magnificent Makers, *History Australia*, 15:2, 379–380, DOI: 10.1080/144490854.2018.1469375

Popular Publications & Reports (13)

1. Alencar, A., Bourgeois, B., Butscher, J., Debitus, C., Ekins, M., Fleurisson, D., Folcher, E., Hall, K.A., Hertrich, L., Hooper, J.N.A., Lerouvreur, F., Levy, P., Maihota, N., Orempuller, J., Petek, S., Pisera, A., Renaud, A., Sutcliffe, P., Vacelet, J. 2017. Sponges of Polynesia. DDUNI, Institut de Recherche pour le Développement <https://sponges-tahiti.ird.fr/?s=of+Polynesia>
2. Bosi, F., Christy, A.G. & Hålenius, U. 2017. Crystal-chemical aspects of the roméite group, A₂Sb₂O₆Y, of the pyrochlore supergroup. *Mineralogical Magazine* 80: 1287–1302
3. Fay, H.A. & Monteith, G.B. 2017. Obituary – Ian Cameron Cunningham. *News Bulletin of the Entomological Society of Queensland* 45(7):128–131.
4. Kindt, K. 2017. A Few of our Favourite Things *Antenna* issue 46 pp 20–21.
5. Lambkin, C. 2018. Queensland Museum Entomology. *Metamorphosis Australia: magazine of the Butterfly & Other Invertebrates Club*, 89, 11–15.
6. Lambkin, C.L. & Thompson, G.I. 2018. What, a chrysopterid? Never! And it eats ants? *News Bulletin of the Entomological Society of Queensland*, 45, 173.

7. Mate, G. (2017) Transport in Museums and Museums of Transport. *Museum Galleries Australia Magazine* 25(2): 50-54.
8. Mate, G. (2017) Industrial Museums: The Workshops Rail Museum. *TICCIH Bulletin, The International Committee for the Conservation of Industrial Heritage* 76 (Qtr 2, 2017):17-19.
9. Monteith, G.B. 2017. Calligrapha explosion near Proserpine. *News Bulletin of the Entomological Society of Queensland* 45(3):50-51
10. Monteith, G.B. 2018. Mrs Scorpion all aglow about having babies at the Queensland Museum. *News Bulletin of the Entomological Society of Queensland* 46(1): 14-15
11. Monteith, G.B. & Baldwin, N. 2018. David Behrens and his studies on the Giant Hoop Pine Weevil. *News Bulletin of the Entomological Society of Queensland* 45(9):177-181
12. Rix, M.G. 2017. Life Down Under: camouflage and convergence in an underground world. *Wildlife Australia Magazine*. 54(2): 37-39
13. Shiels, R. 2018 Light Railways: Australia's Magazine of Industrial & Narrow Gauge Railways Hunslet Locomotive 1239 (WD327) On the Wester Front and in Queensland Pp 308
10. Hall, K.A. & Hooper, J.N.A. 2017. Beyond the sponge barcode: testing the taxonomic utility of microbial diversity analysis using 16s rRNA gene sequences among tetillid sponges. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
11. Hall, K.A., Vidgen, M.E., Harper, M.K. & Hooper, J.N.A. 2017. *Cinachyrella australiensis* (Carter, 1886) in the Indo-west Pacific: an integrative approach to understanding a complex species complex. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
12. Harper, M.K., Hall, K.A., Ekins, M., Ireland, C.M. & Hooper, J.N.A. 2017. Taxonomy of Theonellidae in the Indo-west Pacific. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
13. Knowles, C 'Art, Materiality and Representation' at the Royal Anthropological Institute Conference at the British Museum and School of Oriental and African Studies, London 1-3 June 2018.
14. Leach, E., Burwell, C., Jones, D. & Kitching, R. 2017. Using automated acoustic monitoring to detect elevational migration in the avian community of the Gondwana Rainforests of Australia. *Abstract Journal of the Acoustical Society of America* 141: 4003.

Other publications – Abstracts & Posters (19)

1. Arvanitidis, C., Adlard, R.A., Arango, C., Bruce, N.L., Davie, P.J.F., Hooper, J.N.A. (& 277 other authors) 2018. Research Infrastructures offer capacity to address scientific questions never attempted before: Are all taxa equal? *PeerJ*. 26812
2. Bishop, P.J., Hocknull, S.A., Clemente, C.J., Rubenson, J., Barrett, R.S. & Lloyd, D.G. (2017) Extinct dinosaurs and modern birds exhibit walking, grounded running and running gaits. 26th Congress of the International Society of Biomechanics, Brisbane, 23/7/17 – 27/7/17.
3. Bishop, P.J., Hocknull, S.A., Clemente, C.J., Barrett, R.S. & Lloyd, D.G. (2017) Dinosaur locomotor biomechanics inferred from cancellous bone architecture. 26th Congress of the International Society of Biomechanics, Brisbane, 23/7/17 – 27/7/17
4. Cramb, J., Price, G. & Hocknull, S (2017). The importance of rats: murid rodent fossils from Australia and why they matter. *Society of Vertebrate Paleontology Conference Abstracts* p100.
5. Cramb, J., Hocknull, S. & Price, G. (2017) Tilting at windmills: phylogenetic analyses of Australian fossil murid rodents. 16th Conference on Australasian Vertebrate Evolution, Palaeontology & Systematics.
6. Erpenbeck, D., Schuster, A., Voigt, O., Hall, K., Ekins, M., Schönberg, C., De Voogd, N.J., Kelly, M., Hooper, J.N.A., Debitus, C., Wörheide, G. 2017. Molecular diversity of demosponges in the Indo-Pacific. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
7. Fowler, M. (Chair), 'Westerdahls' comet 25 years on' session, Australasian Institute for Maritime Archaeology, 22/09/2017.
8. Fromont, J., Abdul Wahab, M.A., Gomez O, Ekins, M., Geeruida Grol, M., Hooper, J.N.A. 2017. North Western Australia: A sponge biodiversity hotspot. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
9. Gillespie, K. 'The long journey home: Repatriation and the creation of new cultural practices'. Presented at the Australian Anthropological conference, held in December 2017 at Adelaide.
15. Morrow, C., Thomas, O., Hooper, J.N.A. & McCormack, G. 2017. Stir it Up! – Support for the movement of the 'Bob Marley' sponge, *Pipistela candelabra* from Axinellidae to Bubarida. 10th World Sponge Conference, 24-30 June 2017, National University of Ireland, Galway.
16. Rozefelds, A.C. 2017. What role can palaeobotany play in integrating systematics for conservation and ecology. In Calladine A. & Kellerman J. eds. *Abstracts Systematics 2017 Integrating Systematics for Conservation and Ecology* November 26-29, Adelaide Swainsonia Supplement 5, 95.
17. Sorokin, S.J., Williams, A., Althaus, F., & Tanner, J.E. [Contributing author George, A.M.] 2017. Deepwater sponges (Porifera) of the Great Australian Bight. Project 3.1 GAB benthic biodiversity characterisation. Great Australian Bight Research Program, GAB Research Report Series Number 32, 133pp.
18. Seeman, O.D. 2017. Outright Arachnophilia [book review]. *Wildlife Australia* 54, 44-45.
19. Skippington, J. 'Isotopic investigations in Northwest Australia. Presented at the Australian Archaeological Association annual conference, held Dec 2017 at Melbourne.

Other publications – Technical reports (3)

1. Fromont, J., Abdul Wahab, M.A., Gomez, O., Ekins, M., Grol, M. & Hooper, J.N.A. 2017. Sponges of the north west of Western Australia: biogeography and considerations for dredging related research. Report of Theme 6 – Project 6.2 prepared for the Dredging Science Node, Western Australian Marine Science Institution, Perth, Western Australia.
2. Burwell, C.J., Popple, L., Lambkin, C.L., Wright, S., Daniels, G., Koch, K., Fjellstad, B., Li, X., & Power, N. 2017. Quinkan Bush Blitz March 2017: Queensland Museum Entomology Report. ABRS Bush Blitz Report. DOI:10.13140/RG.2.2.33348.32640
3. Rozefelds, A.C. 2018. Queensland Museum awarded PCOL (protection of Cultural Objects on loan) status by Federal Government will drive change in the way we manage incoming collections. *Nomen Nudum* 37, 8-12

APPENDIX 4: QUEENSLAND MUSEUM NETWORK GRANTS 2017-18

PROJECT TITLE	PROJECT BRIEF DESCRIPTION	RESEARCH LEADER AND AWARDEE
ARC Centre of Excellence for Australian Biodiversity and Heritage (CABAH)	Transdisciplinary research collaboration that will unlock environmental and human history of Australia, Papua New Guinea and eastern Indonesia.	AWARDED TO PROFESSOR RICHARD ROBERTS, UNIVERSITY OF WOLLONGONG. QM PARTNER INVESTIGATORS: CHANTAL KNOWLES AND DR BRIT ASMUSSEN.
How Meston's 'Wild Australia' shaped Australian Aboriginal History	To produce an authoritative and original interpretation of the Show situating it within local, national and transnational narratives.	AWARDED TO PROFESSOR PAUL MEMMOTT, THE UNIVERSITY OF QUEENSLAND QM PARTNER INVESTIGATOR: CHANTAL KNOWLES
Excavating MacGregor: Re-connecting a colonial museum collection	Research to understand the MacGregor collection and disentangle the social relations embedded in the objects.	AWARDED TO ASSOCIATE PROFESSOR ANNIE CLARKE QM PARTNER INVESTIGATOR: CHANTAL KNOWLES
Heritage of the Air	"Heritage of the Air" aims to reshape scholarly, industry and community understanding of the extraordinary cultural impact of aviation, in the lead up to the centenary of Australian civil aviation in 2020/21.	AWARDED TO A/PROF TRACY IRELAND QM PARTNER INVESTIGATOR: SENIOR CURATOR JENNIFER WILSON
A national framework for managing malignant plastics in museum collections	(1) Survey museum collections to identify deterioration issues in Australian cultural collections; (2) Develop inexpensive non-invasive rapid techniques for plastics identification to reveal information about composition, preventing the need for further invasive expensive time consuming analysis techniques; (3) Accelerated ageing studies in order to characterize the ageing trajectory of malignant plastics identified by the museum collection surveys; and (4) Testing preventive and active conservation strategies for different polymers informed by an understanding of the ageing properties of malignant plastics.	CATHY TER BOGT
Australian species of <i>Cinachyrella</i> Wilson (Porifera, Tetractinellida, Tetillidae): uncovering hidden sponge diversity using DNA and morphology.	New anti-cancer compounds were isolated last year from an undescribed species of golf-ball sponge (<i>Cinachyrella</i>) from Indonesia. Another golf-ball sponge from India increases reproduction rates when sea temperatures rise. These sponges may hold valuable clues for the treatment of disease and the protection of our environment. Worldwide, there are 41 species of <i>Cinachyrella</i> , however, just four species are known from Australia, and of these, only two are common. Ongoing studies at Queensland Museum using DNA and electron microscopy are finding that these two commonly-collected species in fact represent a much richer, and as yet undescribed, biological diversity.	DR KATHRYN HALL
TTC216-01 The ant-eating spiders of the endemic Australian genus <i>Neostorena</i> (Araneae: Zodariidae) from Queensland Integration of Bush Blitz specimens into species descriptions	A systematic revision for the Australian <i>Neostorena</i> species from Qld including all available specimens from the QM.	DR BARBARA BAEHR
TTC216-05 New wolf spiders of <i>Arctoria</i> (Lycosidae) from ACT and NSW: integrating BushBlitz specimens into taxonomic research on an abundant predator.	To describe all species of <i>Arctoria</i> (est. 23 species) and review 14 currently described species to compile a detailed identification key to all species and publish in a peer reviewed journal like <i>Zootaxa</i> or <i>ZooKeys</i> .	DR BARBARA BAEHR
Bush Blitz Tactical Taxonomy Grant TTC217-08	The <i>Lynx</i> spiders of the genus <i>Oxyopes</i> (Oxyopidae) from Queensland: integrating BushBlitz specimens into taxonomic research on an abundant predator	DR BARBARA BAEHR
Spider mites of Australia	Produce an interactive key to the species of spider mites (Tetranychidae) recorded in Australia, with updated diagnostics and images	DR JENNY BEARD
ABRS grant RG18-03: Conservation systematics of Australian open-holed trapdoor spiders of the Teyl-complex (Mygalomorphae: Nemesiidae: Anamini)	To document the trapdoor spider genera <i>Teyl</i> and <i>Namea</i> across Australia, using integrative molecular and morphological approaches. This monophyletic assemblage was recently re-defined using a multi-locus molecular approach, although numerous new species remain to be described.	DR MICHAEL RIX
Australian Geographic Excavating Western Australia's first Jurassic tetrapod skeleton	The main goal of this project is the collection of the associated skeleton of a probable ichthyosaur. The presence of fragmentary remains on the surface along with bones still visible within the friable sandstone, suggests much of the animal might still be preserved within its petrified tomb. To get a holistic understanding of the environment in which the animal lived and died, and the ecosystem it was a part of, the stratigraphy (the sequence and type of sedimentary deposition) will be mapped and samples of the surrounding sediments will be collected for geochemical and microfossil analyses. Continued recognisance is expected to yield further important discoveries of the aquatic and terrestrial fauna that inhabited Western Australia 145-201 million years ago.	Dr Espen Knutsen

	PARTNERS AND STAKEHOLDERS	GRANT FROM	AMOUNT OF GRANT (\$ TOTAL ALL YEARS)	YEARS OF PROJECT
	Queensland Museum Network; and 19 other University and Industry partners.	Australian Research Council, Centre of Excellence	\$33.75 million	2017-2024
	University of Queensland, Queensland Museum Network, The Australian National University, Museum Victoria, State Library of New South Wales.	Australian Research Council Linkage	\$361,019	2016-2019
	University of Sydney, Australian Museum, Museum Victoria	Australian Research Council Discovery Grant	\$479,026	2015-2019
	Australian National University, University of Canberra, Queensland Museum, University of Sydney, University of Adelaide, Macquarie university, Air services Australia, National Museum of Australia, Civil Aviation Historical Society, Essendon, Airways Museum	Australian Research Council Linkage	\$350,000	2018-2021
	Museum of Victoria, Museum of Applied Arts and Sciences – Powerhouse, South Australia Museum, Art Gallery of NSW, University of Technology Sydney, Flinders University Adelaide, University of Melbourne	Australian Research Council	\$15000	3 (2017-2019)
	Dr John Hooper (QM), Dr Merrick Ekins (QM), Ms Mary Kay Harper (Univ. Utah)	Australian Biological Resources Study	105,000	2017-2019
	Dr Barbara Baehr	Australian Biological Resources Study – Bush Blitz Tactical Taxonomy Grants	\$16500	2017-18
	Dr Barbara Baehr	Australian Biological Resources Study – Bush Blitz Tactical Taxonomy Grants	\$16500	2017-18
	Dr Barbara Baehr	Australian Biological Resources Study	\$15000	2017-18, 2018-19
	Northern Australian Quarantine Strategy	Department of Agriculture and Water Resources (federal)	99,000	2017-2018 (12 months)
	Queensland Museum, Western Australian Museum Joint Investigators: Dr Robert Raven (Queensland Museum), Mr Jeremy Wilson (Queensland Museum), Dr Mark Harvey (Western Australian Museum)	Australian Biological Resources Study (ABRS)	285,000	2018-2021
	Queensland Museum, James Cook University	Australian Geographic Society	15,000	2017-2018

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**Board of the Queensland Museum annual report for the year ended
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