Programme-Monday

09:00–9:30	Welcome			
09:30–10:30	Plenary Talk. Biogeography meets genomics-new trends	s in data analy	ysis of biogeographic data, by Gonzalo Giribet	M-P-1
10:30-11:00	Morning Break			
11:00	eTools for Taxonomy—Concurrent (I),The Braggs	p17	Parasites, crustaceans and vertebrates—Concurrent (II), Horace Lamb	p21
11:00–11:15	Barbara Waterhouse , Bringing it all together—role of eTools in frontline biosecurity surveillance	M-1-2	Olivia Davies, Are parasites as problematic for biologists as they are for their hosts?	M-2-2
11:15–11:30	Mark McGrouther, Australasian Fishes—a new citizen science resource	M-1-3	Dan Huston , Integrated taxonomic investigation of the Enenteridae, a curious lineage of parasitic flatworms, reveals undiscovered diversity and provides new ecological insights student	M-2-3
11:30–11:45	Zoe Knapp , The Flora of Australia—we've taken the covers off	M-1-4	Kara Layton, Exploring an undocumented diversification of parasitic gastropods in Antarctica student	M-2-4
11:45–12:00	Judy West (Chair) , Flora of Australia eFlora—National Launch	M-1-5	Amelia Lewis, Uncovering the diversity of deep-sea crustaceans(Isopoda and Amphipoda) from the Great Australian Bightstudent	M-2-5
12:00–12:15	cont.		Carlos Pavón-Vázquez, Of volcanoes and lizards—phylogenomics and biogeography in a group of Mexican skinks student	M-2-6
12:15–12:30	cont.		Linette Umbrello, Small marsupials, big data—population genomics reveals structure in desert-dwelling Dasyuridae student	M-2-7
12:30-13:15	Lunch			
13:15–14:10	Kevin Thiele, The Biosystematics and Taxonomy Plan dis	scussion—Ple	enary, The Braggs	M-P-8
14:10–14:25	Gillian Brown, ALERT lessons from a biosecurity disaster			M-P-9
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14:30	Systematics in the sea—Concurrent (I) The Braggs	p29	Stygofauna and groundwater—Concurrent (II) Horace Lamb	p32
14:30–14:45	Nicole Foster, Taxonomic challenges to an independent evidence base for assessing coastal environmental change through time student		Giulia Perina , Remarkable biodiversity of subterranean Bathynellidae (Bathynellacea, Crustacea) in the north of Western Australia and the status of the <i>Bathynella</i> genus student	M-2-10
14:45–15:00	Charlotte Nitschke , Biodiversity and conservation of sea snakes (Hydrophiinae) in Western Australia student	M–1–11 t	Josephine Hyde , Phylogenetic revision of subterranean Dytiscidae from Western Australia—sister species validate sympatric or parapatric speciation underground student	M-2-11
15:00–15:15	Kor-jent van Dijk, Finding solutions to 'complex' seagrass relationships	M-1-12	Patrick Fahey, The systematics of Chloris in Australia – colonisation events and a newly discovered Artesian spring endemic student	M-2-12
15:15–15:45	Afternoon Break			
15:45	Challenges and conservation – Concurrent (I), The Braggs	p35	Systematic botany—Concurrent (II), Horace Lamb	p40
15:45–16:00	Haylee Weaver , The state of taxonomy and systematics in Australia—results of the 2016 Survey of Taxonomic Capacity	M-1-13	Tim Collins , Integrative taxonomic revision of <i>Xerochrysum</i> and <i>Coronidium</i> (Asteraceae: Gnaphalieae) student	M-2-13
16:00–16:15	Russell Barrett , Order out of chaos—have we reached a turning point in botanical taxonomy?	M-1-14	Tim Hammer , The noble and the exalted—resolving the relationships within <i>Ptilotus nobilis</i> (Amaranthaceae) student	M-2-14
16:15–16:30	Barry Richardson, Subspecies definitions and conservation legislation	M-1-15	Mike Crisp , <i>Callitris</i> —a molecular phylogenetic chronicle of extinction, survival and rediversification	M-2-15
16:30–16:45	Alexander Schmidt-Lebuhn, The use of phylograms and chronograms in the identification of biodiversity hotspots	M–1–16	Rismita Sari, The Phylogeny of Australian Garcinia (Clusiaceae) student	M-2-16
16:45–17:00	Michael Braby , Threatened species conservation—the need for national Action Plans of insects and other invertebrates	M-1-17	Kerry Gibbons , The <i>Hedyotis-Oldenlandia</i> complex (Spermacoceae, Rubiaceae) in Australia—polyphyly, multiple dispersals and new genera in an Asian-Australian-Pacific lineage	M-2-17
17:00–17:15	SASB AGM and business meeting		Francis Nge, Biogeographic history and evolution of the two Australian temperate floras student	M-2-18
17:15–17:30	cont.		Allison Mertin, Phylogenomic insights into the evolution of Greenhood orchids (subtribe Pterostylidinae) in time and space student	M–2–19

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endangered Notelaea ipsviciensisheritage—the origin of spider research in Australia and the importance of the Godeffroy Collection for current spider taxonomy and diversity assessments14:30–14:45Patricia Lu-Irving, Untangling the systematics and invasion history of Lantana camaraT–1–15Mark Harvey, Phylogenetic relationships of the Australian open-holed trapdoor spiders (Nemesiidae: Anaminae)—a multi-locus molecular analysis resolves generic classificationT–214:45–15:30Posters and Afternoon Breakp15:30–15:45ASBS AGM and business meeting—Concurrent (I), Horace LambMichael Rix, Systematics, biogeography and conservation of Australia's spiny trapdoor spiders (Idiopidae)—progress and prospectsT–215:45–16:00cont.Cor Vink, The spider tree of life—what does it mean for the NewT–2	14:00–14:15		T–1–13	• • • • • •	T–2–13	
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Horace Lamb Australia's spiny trapdoor spiders (Idiopidae) – progress and prospects 15:45–16:00 cont. Cor Vink, The spider tree of life – what does it mean for the New T–2-	14:45–15:30	Posters and Afternoon Break			p113	
, 1	15:30–15:45				T–2–16	
	15:45–16:00	cont.			T–2–17	

16:00–16:15 cont.	Jeremy Wilson , Spiny trapdoor spiders (<i>Euoplos</i>) of eastern Australia—broadly sympatric clades are coupled with burrow architecture and male morphology	student	T–2–18
16:15–16:30 cont.	Renan Santana, Phylogeny of the Eastern Australian tarantula	student	T–2–19
16:30–17:30 Nancy T. Burbidge Medal Presentation and Address			T-P-20

Programme-Wednesday

08:30-8:45	Housekeeping			
08:45–09:25	Keynote Talk. Out of sight, out of mind-marine invertebr	ate systemat	ics and conservation, by Nerida Wilson —Plenary, Horace Lamb	W-P-1
	move into concurrent sessions			
11:00	Stygofauna and groundwater—Concurrent (I), Horace Lar	mb p82	Palaeobotany and systematic botany—Concurrent (II), Benham	p92
09:30–9:45	William Humphreys, Towards subterranean fauna conservation in arid Australia—realisation, establishment and consolidation	W-1-2	Greg Jordan, Palaeoendemics	W-2-2
09:45–10:00	Michelle Guzik, Biodiversity assessment of a groundwater community in the Pilbara, Western Australia	W-1-3	Vera Korasidis, A Cenozoic southern hemisphere peatland rainforest record of climate, floral evolution and fire student	W-2-3
10:00–10:15	Steve Cooper, Systematics, evolution and conservation management of troglofauna from the Yilgarn calcretes	W-1-4	Anne-Marie Tosolini, Eocene ecosystems determined from fossil plant-insect interactions from Anglesea, Victoria, Australia	W-2-4
10:15–10:30	Grant Hose, Preliminary analysis of metabarcoding for the assessment of stygofauna assemblages	W-1-5	Andrew Rozefelds , What role can palaeobotany play in integrating systematics for conservation and ecology?	W-2-5
10:30-11:00	Morning Break			
11:00–11:15	Emma Matthews, Identifying short range endemic Parabathynellidae (Crustacea:Bathynellacea) and stygofauna in the Pilbara and Browns Range, Western Australia student	W-1-6	John Conran , Cretaceous to Recent araucarian forests in New Zealand—evidence from pollen, wood, leaves, amber and biotic inclusions	W-2-6
11:15–11:30	Danielle Stringer , Taxonomy and sequence capture of <i>Haloniscus</i> isopods from threatened arid zone groundwater habitats	W-1-7	Bob Hill, Can plant fossil data inform future environmental options?	W-2-7
11:30–11:45	Rachael King , Where to draw the line? Defining stygobitic amphipod species for conservation and management	W-1-8	Myall Tarran , The fossil record of <i>Syzygium</i> and <i>Metrosideros</i> (Myrtaceae) in the Cenozoic of South Eastern Australia student	W-2-8
11:45–12:00	Barbara Langille, Molecular evolution of 'eye genes' in blind beetles—evidence for neutral evolution of phototransduction genes student	W–1–9	Keelin Smith, Species delimitation and morphometric analysis of Anthotium humile (Goodeniaceae)student	W-2-9
12:00–12:15	Kurt Petersen, The ecological advantage of heterospory in Selaginella and Isoetes student		Bill Barker, The diversification of Australian Lindernia (Linderniaceae)	W–2–10
12:15–12:30	Nik Tatarnic , Sexual conflict and coevolution of sexually antagonistic armature in the ripple bug genus <i>Nesidovelia</i> (Veliidae)	W-1-11	Peter Wilson , Resolution of taxonomic limits in <i>Haloragis serra</i> and the <i>Haloragis exalata</i> species complex	W-2-11
12:30–13:15	Lunch			
13:15–13:55	Shelley James, Herbarium data-global biodiversity and	societal bota	anical needs for novel research—Plenary, Horace Lamb	W-P-12
	move into concurrent sessions			
14:00	Systematic botany and methods - Concurrent (I), Horace	Lamb p103	Pollination and conservation botany — Concurrent (II), Benham	p108
14:00–14:15	Matt Renner, Phylogenetic niche conservatism and release in <i>Acacia</i>	W-1-13	Hervé Sauquet, The ancestral flower of angiosperms and its early diversification	W-2-13
14:15–14:30	Matt Buys , Phylogenomics and island radiation— applying Anchored Hybrid Enrichment to <i>Leptospermum</i> <i>scoparium</i> (Myrtaceae)	W-1-14	Jennifer Tate , Host specificity in the New Zealand mistletoe <i>Korthalsella salicornioides</i> (Viscaceae)	W-2-14
14:30–14:45	Nathalie Nagalingum , Can NGS data resolve relationships in a recently-radiated genus? An example using the cycad genus <i>Cycas</i>	W-1-15	Juliet Wege, Saving our 'Attractions'-vascular plant taxonomy informing conservation efforts in Western Australia	W-2-15
14:45–15:00	Lars Nauheimer, Plastome structure and phylogenomics in Nymphaeales	W-1-16	Bronwen Keighery , Systematics and the conservation of Perth's vascular native flora	W-2-16
15:00–15:15	Ed Biffin , Probing the State's flora—a hybrid enrichment approach for vascular plants	W-1-17	Greg Keighery , Rainbows end—orchid systematics and conservation in south-west Western Australia	W–2–17
15:15–15:45	Afternoon break			
15:45-16:15	Wrap up and prizes—Horace Lamb			

15:45–16:15 Wrap up and prizes—Horace Lamb