2019 AOC

Australasian Ornithological Conference

3-5th July

DARWIN

Northern Territory

Diamond Sponsors

DARWIN PORT
PART OF THE LANDBRIDGE GROUP

Threatened Species Recovery Hub
National Environmental Science Programme

CHARLES DARWIN UNIVERSITY

Platinum Sponsors

CITY OF DARWIN

Gold Sponsors

CHARLES DARWIN UNIVERSITY

RIEL
Research Institute for the Environment and Livelihoods

ANIMAL DATA SCIENCE

Lotek
advancing wildlife science

DRUID
Connecting Life and Nature

Ornitela

CSIRO PUBLISHING

CLS
COLLECTE LOCALISATION SATELLITES

Silver Sponsors

Bronze Sponsors

NT Bird Specialists
Birding, Wildlife & Photographic Safaris

inala nature tours
inalanaturetours.com.au

ABSA
Australian Bird Study Association Inc

Award Sponsors

birdlife
WESTERN AUSTRALIA

NT FIELD NATURALISTS' CLUB Inc.

BIRDS NEW ZEALAND

Welcome

Welcome to the tropics! We are so glad you are here to join us for the 10th Australasian Ornithological Conference. BirdLife Australia, in collaboration with Birds New Zealand, is committed to holding biennial conferences that provide a regular forum for the exchange of information and ideas between avian-based researchers and conservationists throughout the Australasian region. This is the first AOC held in the Top End – what better place than in Darwin where there is a rich diversity and abundance of birdlife. There is beautiful weather, many habitat types and birds everywhere around us. In the city and urban areas, you can spot Orange-footed Scrubfowls building mounds in backyards, Brown Honeyeaters nesting in trees along pathways, and Rufous Owls hooting at you from their roost in the botanic gardens.

We are excited to host this AOC at Charles Darwin University and showcase the campus and the Larrakia land and sea on which we meet. We also hope to share with you some of the exciting research coming out of the Top End. We are sharing this experience with over 300 delegates from Australia, New Zealand, America, China, the Pacific region, Lithuania, England, South Africa and we welcome you all.

Our scientific program will be made up of plenary sessions, presentations, poster sessions, and for the first time in AOC history we are introducing the Stuart Leslie Bird Research Award Alumni presentation to highlight the ongoing support and assistance that the SLBRA provides for student researchers. Our program will have three concurrent sessions some of the time and we ask that people move between session theatres quickly. The program includes 10 symposia: waterbird movements, evolution of Australasian birds, seabird conservation, bird banding, woodland birds, bird data collection and analysis methods, new technologies and citizen science, Australasian raptor research, conservation success, disease in birds. We also have many exciting talks in the general sessions.

It's a big week with workshops over the first two days and then straight into the social program with a market and movie night to welcome everybody to Darwin. We have the traditional AOC bird quiz scheduled and then the conference dinner at Crocosaurus Cove. We hope you enjoy the unique Darwin experiences we have organised for you.

Thank you to all delegates that are here joining us, sharing their research with us and to everyone for inspiring others and continuing to grow the ornithological community in Australasia.

Amanda Lilleyman
Chair of the local organising committee of the AOC 2019

Twitter: @AustOrnithConf #AOC2019

With special thanks…

None of this would be possible without the enthusiasm and effort of the volunteers on the local organising committee. Special thanks to everyone that has helped on this journey.

Local organising committee

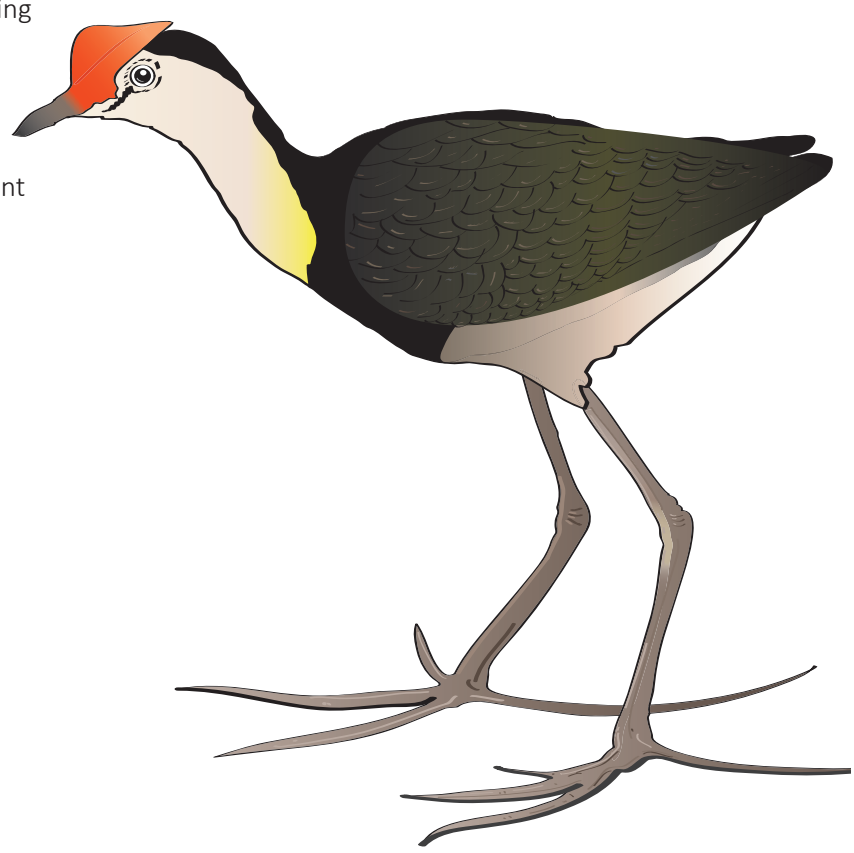
Amanda Lilleyman	Chair
Stephen Garnett	Vice chair
Amelie Corriveau	Finance and volunteer coordinator
Becky Saywell	Social events
Bryan Baker	Social events
Catherine Young	Abstracts and programming
David Lawrie	Birds NZ liaison
Glen Ewers	Sponsorship
James O'Connor	BirdLife Australia liaison
John Rawsthorne	Finance
Luke Einoder	Sponsorship and symposia
Luke Patterson	Excursions
Nigel Weston	Social events
Rebecca Rogers	Website and technology
Robin Leppitt	Social events
Sarah Burgess	Excursions
Tiffanie Pearse	Advertising and marketing
Will Riddell	Excursions

Additional help

Daisy Cabahug	Registration and payment
Julie Becker	Venue hire
Roanne Ramsay	Administration support
Tahlia Timms	Administration support

Event volunteers

Fiona Douglas
Louise Finch
Bryan Baker
Jan Allen
Rosemary Harbridge
Marj King
Jean Tucker
Yvonne Honey



AOC Artwork

Our beautiful AOC artwork was designed by local Darwin birdwatcher and graphic designer John Girdham. John volunteered his time in this role.

Behavioural code and ethics

We welcome everyone to the Australasian Ornithological Conference, both in person and online on social media. We have organised the AOC to engender and promote a welcoming environment that is collaborative, supportive and engaging for everyone involved. We hope that it is a space where there are opportunities to share, develop and broaden viewpoints in a safe and inclusive environment.

We celebrate diversity in all its forms and expect that all our participants are respectful and considerate of each other, that they provide supportive critique, and embrace the multitude of opinions that are on offer.

If you have any concerns or feel that any participant of an event has breached this code, or have suggestions for how we can make our events more inclusive and productive, please contact any of the AOC volunteers, BirdLife Australia staff or Birds NZ staff.

During an event, please report any incident as soon as you feel able, to allow us to act upon your concerns. Any reports will be handled in confidence.

Your primary contacts for any issues that may arise during this conference are:
Robin Leppitt
Catherine Young

Conference ethos and values

We have organised the AOC to reflect our values around sustainability and preserving the environment. We have endeavoured to reduce our carbon footprint by sourcing where possible local organic food and resources. We have tailored the catering menu to minimise red meat provided thereby reducing our supply for the product. Our caterer DeeBee Catering has customised the menu to suit a healthy lifestyle and the many dietary requirements https://deebeecatering.com.au/health-well-being/. We are using local organic fruit and vegetables from Organic AG https://www.organicdarwin.com.au/about.

We have engaged with a local primary school through our caterer that will take any excess food products and food waste to their chook yard. We will provide designated "chook bins" in the food and beverage area so please put all food scraps in these bins.

We are also using BioPak products for the catering and these items are made from plant material and are compostable.

The Malak Marketplace is also a plastic-free market and has positive sustainability practices as their core ethos https://www.malakmarketplace.org.au/market-darwin/sustainability-principles-at-malak-marketplace/ "Malak Marketplace holds sustainability principles at the core of its operations and has significantly committed its management practises and stallholders to eco-friendly and sustainable development."

Since going plastic-free, the Malak Marketplace vendors use BioPak products. As Darwin does not yet have a commercial composter we are not able to commercially compost this waste. Instead, we opted for a local closed-loop solution. The BioPak product waste is being collected in compostable bags during the conference and taken away by local organic farming business Organic AG to be shredded and then composted within their farming system. Please help us with this process by scraping off any food waste and then disposing of the BioPak plate, serviette and compostable cutlery into the designated compost bins.

ORGANIC AG
USING THE POWER OF LIFE TO GROW GREAT FOOD

Malak Marketplace
LOCAL & ORGANIC FARMERS' MARKET

deebee catering
creative fusion styled food

Venue – CDU Casuarina Campus

Key

- Ticket & Permit Parking
- Free Parking
- ATM
- Food
- Access Taxi Drop-off
- Bus Stop
- Security
- Accessible Toilets
- Post Office

Registration desk

The registration desk will be open at the beginning of each workshop on Monday 1st July and Tuesday 2nd July and will also be open from 1800 – 2000 on Tuesday 2nd July at the Market and Movie night. The desk will also be open from 0800 – 0900 on Wednesday 3rd July at the AOC at Charles Darwin University.

Oral presentations

Presentations should be in Microsoft PowerPoint format. Speakers should upload their talks as soon as possible after arrival, and no later than half a day before their talk. The desks for uploading talks are by the registration area. Please bring your talk on a USB stick for uploading. Presentations can be checked at this time. Please note that all presentation durations have to be enforced. Standard length presentations have 12 minutes for talking with 3 minutes for questions.

Posters

The posters will be displayed in the food and beverage space in the Orange 3 Theatre. Poster presenters are encouraged to display their poster there on arrival. Posters will be shown in this area throughout the conference. Poster presenters are asked to please stand by their poster during the lunchtime poster sessions (see schedule below).

Lecture theatre space

There will be four main venue locations for the conference:

1. Red 7 Mal Nairn Theatre – plenary presentations and session room
2. Blue 5.1.01 Theatre – session room
3. Blue 1.1.01 Theatre – session room
4. Orange 3 Theatre – morning tea, lunch, afternoon tea, trade exhibitors and posters also set in this space

Abstract booklet

Please note we are not providing a hard copy of the abstract booklet. The full abstract booklet can be downloaded from the conference website **https://www.aocdarwin.com/schedule**

Morning and afternoon tea, lunch

Morning and afternoon and lunch will all be served in the Orange 3 Theatre. Dietary restrictions included at registration have been catered for.

Trade exhibitors

Trade exhibitors will be situated in the Orange 3 Theatre and will be available for discussions and demonstrations during all breaks. Our trade exhibitors are:

- National Environment Science Programme Threatened Species Recovery Hub
- Lotek
- Druid Technologies
- Animal Data Science
- Ornitela
- CSIRO Publishing
- CLS Argos
- BirdLife Australia, Birds NZ, BirdLife Top End

Photo competition

The top photo entries will be displayed electronically during the conference. Prizes will be awarded to the winners during the award ceremony at the end of the conference.

Workshops

Workshops will be held on Monday 1st July and Tuesday 2nd July in the Mal Nairn Theatre at Charles Darwin University. These workshops are full and if you can no longer attend please let the workshop coordinators know so they can release that space to somebody on the waiting list.

Monday 1st July Managing waterbirds in artificial environments

Tuesday 2nd July (morning) Best practice methods and advances in tagging birds for research

Tuesday 2nd July (afternoon) Building a collaborative research network to track bird movement through Australasia

Social program

Market and movie night: The conference ice-breaker is on Tuesday 2nd July at the George Brown Botanic Gardens on the coconut lawns. You can access this site from Gardens Road. The event is from 1800 – 2200. Food and drinks will be available to purchase so please bring cash. There will be seating provided for dinner and the movie. Get to the gardens early for some birdwatching and let us know what you spot! We encourage all delegates to share their experience on social media using the hashtag **#AOC2019**.

Bird trivia night: Bird trivia is on Wednesday 3rd July at the Darwin Trailer Boat Club. Access is from East Point Road and Atkins Drive. The event is from 1830 – 2200. Food and drinks will be available to purchase from the bar and restaurant. The AOC will provide some nibbles for the table. There will be prizes for the winning trivia team. There will also be a lucky door prize!

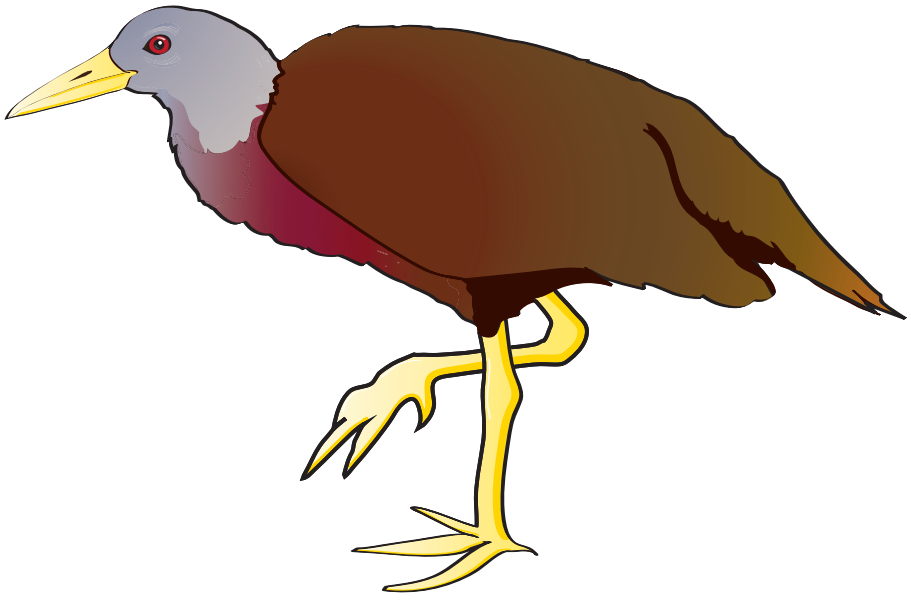
Conference dinner: The conference dinner is on Thursday 4th July at Crocosaurus Cove on Mitchell Street in Darwin city. The event is from 1800 – 2100. Dinner and one drink on arrival will be provided. There will be wildlife staff walking around with animals so feel free to take photos! The dinner is full so if you can no longer attend please let the organisers know so that your seat ca be released to somebody on the waiting list.

Excursions

There will be birdwatching on the morning of Thursday 4th July at East Point. An announcement for this will be made on Wednesday 3rd July.

The conference excursions are organised for Saturday 6th July at three locations.

1. Guided Bird Billabong birding walk in Mary River National Park 0530 – 1300
2. Corroboree Billabong Sunrise Birding Cruise in Mary River National Park 0515 – 1000
3. Chestnut Rail Coastal Cruise in Darwin Harbour 1530 – 1800



Plenary speakers

Dr Leo Joseph
Director, Australian National Wildlife Collection
CSIRO National Research Collections Australia
Canberra, Australian Capital Territory

Leo's roots are in birdwatching but very early in his birdwatching career he began thinking about and was drawn into the world of evolution. So today he tries to be an evolutionary biologist and ornithologist working on the birds of Australia and New Guinea – the evolution of their diversity against the geological and environmental histories of the region and studying how present-day communities have been assembled. Like many in this area field, he is adamant that we cannot fully understand the evolution of birds if we don't know them under field conditions so thinking about birds in their habitats is always paramount. He did undergraduate (1977-79) and Honours (1981) degrees at the University of Adelaide, a PhD at the University of Queensland (1989-1994) and has lived in Uruguay and the USA. In Uruguay, he studied the evolution of migration in shorebirds and the climatic correlates of bird migration in South America. From 1997-2005, he was curator and eventually Chair of the Department of Ornithology at the Academy of Natural Sciences of Philadelphia (now affiliated with Drexel University). He returned home to Australia as Director of the Australian National Wildlife Collection at the end of 2005.

Dr Helen Taylor
Research Fellow
Department of Anatomy
University of Otago, New Zealand

Dr Helen Taylor is a research fellow in conservation genetics at the University of Otago, New Zealand. She applies her research to bird species in New Zealand, many of which have experienced drastic reductions in population size and are now intensively managed via translocation programmes. Before moving to New Zealand from the UK, Dr Taylor volunteered with Birdlife Malta and the Tambopata Macaw Project in Peru. She has since applied genetic techniques to a variety of bird taxa including oystercatchers, little-spotted kiwi and, most recently, South Island robins and hihi (stitchbirds), where she is investigating links between small populations and poor male fertility. Dr Taylor is an active member of Birds New Zealand, having been a council member for the organisation since 2016 and a member of its scientific committee since 2017. She is currently spearheading a largescale rebrand for Birds New Zealand to help ensure the society stays relevant in the 21stcentury. Dr Taylor is also concerned with the effective integration of genetics into conservation management and is part of the IUCN Conservation Genetics Specialist Group. A passionate science communicator, you can find her blog at http://sciblogs.co.nz/wild-science/ on twitter @helentaylorcg, and learn more about her research at www.helentaylorscience.com.

Dr Rohan Clarke
Lecturer
School of Biological Sciences
Clayton Campus, Monash University, Victoria

Rohan leads the ResearchEcology group in the School of Biological Sciences at Monash University. Whilst his interests are broad, current focal areas are the conservation biology of threatened birds, and seabird spatial ecology, the latter also with an eye to addressing threatening processes. A large part of his career has involved working directly with managers to optimise conservation actions, with direct contributions to 20+ threatened species recovery programs. Current work includes contributions to the translocation efforts for the diminutive Mallee Emu-wren and assessing impacts of invasive rodents on a suite of endemic passerines that persist on Norfolk Island. Within the marine realm, Rohan leads seabird focused programs at Ashmore Reef, in waters off the south-east coast of mainland Australia and at Norfolk Island where his group establish baseline monitoring programs (e.g. following the Montara Oil Spill) and seek to disentangle the spatial ecology of wide-ranging species to better secure populations. Rohan is also a passionate birder with a strong desire to bridge the gap between birders, amateur ornithologists and professionals: recent contributions here include co-authorship of the Australian Bird Guide (2017: CSIRO Publishing) and Finding Australian Birds (2016: CSIRO publishing).

Dr Ayesha Tulloch
ARC DECRA Fellow
Desert Ecology Research Group, School of Life and Environmental Sciences
University of Sydney, New South Wales

Ayesha is an ARC DECRA Fellow at the University of Sydney whose research focuses on using good ecological knowledge to inform conservation decision-making. She has worked in applied conservation and wildlife ecology for over 15 years and is interested in biodiversity management decisions that take place in human-modified landscapes where there are multiple threats and conflicting objectives. Ayesha works with government agencies and NGOs in Australia, Africa and Asia including Bush Heritage Australia, the Wildlife Conservation Society and BirdLife Australia to help deliver effective on-ground conservation outcomes for threatened and declining species. Her current research interests centre around ecological and management forecasting to recover bird communities under threat. This research takes her to study birds across the Simpson Desert as well as threatened ecological communities of eastern Australia such as Box Gum Grassy Woodland. She has a keen interest in developing decision-support tools to help conservation management and monitoring, and co-leads the multi-stakeholder National Environmental Science Program Threatened Species Hub project “A Threatened Species Index for Australia”.

#AOC2019

Pre-conference activities

Monday 1st July	
1000 – 1600 **WORKSHOP** Managing waterbirds in artificial environments Amanda Lilleyman, Micha Jackson, Phil Vivian, Danny Rogers and Robert Bush	Mal Nairn Theatre, Charles Darwin University
Tuesday 2nd July	
0830 – 1200 **WORKSHOP** Best practice methods and advances in tagging birds for research Grace Maglio, Amanda Lilleyman	Mal Nairn Theatre, Charles Darwin University
1300 – 1700 **WORKSHOP** Building a collaborative research network to track bird movement through Australasia Tara Crewe, Hamish Campbell	Mal Nairn Theatre, Charles Darwin University
1800 – 2200 **Markets and movie night** (AOC registration opens)	George Brown Botanic Gardens, Gilruth Ave & Gardens Rd, The Gardens, Darwin

DAY 1 of #AOC2019

Wednesday 3rd July	
0800 **Registration**	Mal Nairn Theatre, Charles Darwin University
0830 **Welcome** | MC Amy Hetherington	
0845 **Opening** | Minister Lauren Moss	
0900 **Welcome from BLA** | BLA President	
0915 **Welcome to Country** | Larrakia Indigenous Traditional Owner	
0930 **Conference announcements** | MC Amy Hetherington	
0940 **Serventy medallist announced** | BLA President	

0945 **Plenary 1 – Leo Joseph** *(Chair: MC Amy Hetherington)* Mal Nairn Theatre						
1030 – 1100 **MORNING TEA** University Theatre, Orange 3						
Symposium: Evolution of Australasian birds: recent and current research *Convenor: Leo Joseph* Mal Nairn Theatre			**Symposium: Beyond bird surveys: new ways to collect and analyse bird data** *Convenor: David Watson* Blue 1 Theatre		**Symposium: The past, present and future of bird banding in Australasia** *Convenor: Catherine Young* Blue 5 Theatre	
1100	Jane Younger	Diversification of two endemic radiations in the biodiversity hotspot of Madagascar	Emma Feenstra	Population density of a cryptic species: comparison of monitoring methods on a 'known' population of Stewart Island kiwi (*Apteryx australis lawryi*)	Naomi Clarke	Then, now and the future of bird banding in Australia
1115	Gabriel Low	High-quality genome assemblies reveal the potential role of neo-sex chromosomes in mitonuclear divergence within the Eastern Yellow Robin	Michael Franklin	Survey of montane forest birds using acoustic recorders	Michelle Bradshaw	The past, present and future of bird banding in New Zealand
1130	Lana Austin	Do female hybrid offspring of crosses between inland and coastal Eastern Yellow Robins suffer lower fitness than do comparable males?	Sydney Collett	Using camera traps and colour banding to estimate the local population size of threatened birds	Mark O'Brien	Ringing in the Tropical Pacific Islands, Past, Present and Future?
1145	Elen Shute	Bird fossils from the Nullarbor Plain indicate high rates of species extinction during the 'mid-Pleistocene transition'	Bob Green	Bird responses to biodiversity corridors in a plantation forestry setting	Dean Ingwersen	Is a bird in the hand worth two in the bush? Results of 20 years of woodland bird banding in central Victoria.
1200	Trevor Worthy	New insights into the cranial morphology of *Genyornis newtoni* (aves: Dromornithidae)	Paul McDonald	Minding miners: using passive, bioacoustic monitoring to document Noisy Miner presence, dispersal and recolonisation	William Feeney	A new digital tool for managing and analysing bird banding and other ornithological data
1215	Jacqueline Nguyen	A new fossil species of bristlebird from northern Australia	Merryn Pryor	Hybrid standard search: a new survey method for censusing bush bird communities	Anthony Hunt	Population Responses of six common woodland species to extended drought at The Charcoal Tank Nature Reserve in central NSW.

1230	Vanesa De Pietri	An extinct species of *Prosobonia* from Henderson Island	Robin Toy	Use of acoustic recorders to inform management for roroa (Great Spotted Kiwi, *Apteryx haastii*)	Thomas Shannon	What we have learned from three years of woodland passerine banding in north-west Tasmania
1245	Paul Scofield	Genetics of the holotype of the kiwi *Apteryx australis*	David Watson	Evaluating the influence of sampling effort on ecological inference	William Rutherford	The Birds of Herdsman Lake; a banding study of an urban bird population.
1300 – 1330 **LUNCH** University Theatre, Orange 3 1330 – 1400 **POSTER SESSION** University Theatre, Orange 3 Special display from Territory Wildlife Park **MEETINGS:** 1310 – 1400 EMU editorial board – Blue 5 Theatre						
1400 **Plenary 2 – Helen Taylor** *(Chair: MC Amy Hetherington)* Mal Nairn Theatre						
General forum *Convenor: Kate Buchanan* Mal Nairn Theatre			**General forum: Shorebirds and habitat** *Chair: Chris Purnell* Blue 1 Theatre		**Symposium: The past, present and future of bird banding in Australasia** *Convenor: Catherine Young* Blue 5 Theatre	
1445	Lucy Farrow	Anatomical and cytoarchitectural analysis of the Noisy Miner (*Manorina melanocephala*) brain	Shorebirds 2020 Team	Australian National Directory of Important Migratory Shorebird Habitat	Bruce Robertson	Readable leg bands made the difference: a banding project on the Pacific Gull *Larus pacificus* in South Australia
1500	Malin Undin	Kiwi telomeres and evaluation of age, health and translocation success	Clive Minton	Satellite tracking of migratory waders in north-west Australia	Graham Fry	Long Term Bird Banding Studies – What they can tell us about our Birds
1515	Shandiya Balasubra-maniam	Genetic structure in the critically-endangered Plains-wanderer	Robert Clemens	Declines in Australian waterbirds and gaps in data demonstrate need to expand waterbird monitoring, while abundance targets needed for conservation	**Bird banding symposium discussion**	

1530 – 1600 **AFTERNOON TEA** University Theatre, Orange 3				
1600	Bruce Robertson	Is dispersal propensity linked to genetic "switches" in a great "speciator", the silvereyes *Zosterops lateralis*va	Amellia Formby	Wing Threads: Flight Around Oz
1615	Ludovic Dutoit	Faecal DNA sequencing as an alternative method to stomach flushing for diet analysis in the endangered yellow-eyed penguin/ hōiho (*Megadyptes antipodes*)	Ken Gosbell	Carry-over effects of non-breeding and migration conditions on breeding success in Ruddy Turnstones
1630	Yen YiLoo	The vocal behaviour and developmental period of Tītipounamu (*Acanthisitta chloris*)	Mel Galbraith	The Kelp Gull in northern New Zealand: evidence of changing diet from stable isotope analysis of bone and feathers
1645	Kate Buchanan	You are what you sing: transgenerational effects of early life stress in the zebra finch	Steve Klose	The National Migratory Shorebird Conservation Action Plan

1700 **END OF DAY 1**

1830 – 2200 (trivia starts at 1930)	**Bird trivia NT style** with MC Ian Morris	Darwin Trailer Boat Club, 8 Atkins Dr, Fannie Bay

DAY 2 of #AOC2019

Thursday 4th July						
0645 – 0800 **Birdwatching at East Point with NT Bird Specialists**						
0845 **Special announcement: Information for prospective researchers in Kakadu National Park – Feach Moyle** Mal Nairn Theatre						
0900 **Plenary 3 – Rohan Clarke** *(Chair: MC Amy Hetherington)* Mal Nairn Theatre						
Symposium: Waterbird movements and habitat use in dynamic landscapes *Convenors: Inka Veltheim and Bob Green* Mal Nairn Theatre			**Symposium: Australasian raptor research** *Convenor: William Riddell* Blue 1 Theatre		**Symposium: From the tropics to the sub-Antarctic; seabird conservation in Australasia** *Convenors: Kerry-Jayne Wilson and Rowan Mott* Blue 5 Theatre	
0945	Catalina Amaya-Perilla	Tracking migration: What technology is out there and what can we do with it	Beth Mott	A Powerful Bird for Conservation	Cathy Cavallo	Catch per unit foraging effort provides a quantitative index for seabird prey availability
1000	Rebecca Rogers (Lehrke)	Repurposing rain radar to track waterbirds in dynamic environments	Chris MacColl	Determining the spatial ecology of the elusive Red Goshawk	Kerry-Jayne Wilson	Status and research priorities for New Zealand's sub-Antarctic Crested Penguins
1015	Inka Veltheim	GPS tracking reveals importance of managing wetland complexes and movement corridors for Brolgas	Judy Harrington	Breeding Territory Defence Behaviour by White-bellied Sea-Eagles at the Newington Nature Reserve nest site	Jessica Radford	What is driving survival rates in crested terns?
1030 – 1100 **MORNING TEA** University Theatre, Orange 3						
1100	Heather McGinness	Movements and habitat use of Straw-necked Ibis, royal spoonbills and Australian White Ibis from breeding sites in the Murray-Darling basin, Australia	Mark Holdsworth	Long-term banding study of the Christmas Island Goshawk	Rowan Mott	Habitat suitability modelling predicts competition among colonies following seabird restoration

1115	Emma Williams	High seasonal mobility in Australasian bitterns highlights the importance of restoring regional-scale wetland networks	Simon Cherriman	Where Do Eagles Dare? Post-fledging and dispersal behaviour in the Wedge-tailed Eagle	Claire Greenwell	Coastal seabird conservation in an urban landscape
1130	Birgita Hansen	An overview of movement and migration knowledge from the Latham's Snipe Project	Keith Fisher	Breeding biology of the Pacific Baza *Aviceda subcristata* in subtropical coastal New South Wales	Holly Kirk	Predicting the at-sea distribution of the New Zealand flesh-footed shearwater (*Puffinus carneipes*) breeding population
1145	Graeme Cumming	Understanding the movements of southern African waterfowl	Nick Bradsworth	Movement ecology of a top-order predator in an urbanising landscape: Powerful owls and their response to urbanisation	Susie Stockwell	An appetite for answers: what's on the menu for Caspian terns in southwestern Australia?
1200	Amélie Corriveau	Fine-scale movements and space use of the Magpie Goose in a changing landscape	Vicky Thomson	Wildlife hospital records show coastal raptors are heavily impacted by fishing activities on Australia's mid-east coast	Jonathon Barrington	Improving best practice: pursuing new recommended minimum standards for branch line weighting in pelagic longline fisheries through scientific and management collaboration
1215	Batbayar Galtbalt	Atmospheric and on-ground condition determine "Loop" migration of Demoiselle crane				
General forum			**General forum**		**General forum**	
1230	Emma Montgomery	The role of artificial wetlands as bird habitat in an urbanised environment	Hui Yu	Next generation continuous behaviour monitoring trackers	Daniel Nugent	Where do Plains-wanderers (*Pedionomus torquatus*) wander?
Waterbird movement symposium discussion			Terry Greene	Eye in the Sky: Is Remote Sensing a Useful Tool for Avian Ecologists?	Jarrod Mesken	Exploring the response to models of conspecifics using 3D-printing

1300 **CONFERENCE PHOTO** University Theatre, Orange 3

1315 – 1345 **LUNCH** University Theatre, Orange 3

Special display from Territory Wildlife Park

1345 – 1415 **POSTER SESSION** University Theatre, Orange 3

MEETINGS: 1320 – 1415

Australasian Ornithological Conference Advisory Committee – Blue 1 Theatre

BirdLife Australia Raptor Group – Mal Nairn Theatre

Waterbird movements discussion – Blue 5 Theatre

1415 **SLBRA alumni presentation – Michael Lohr** *(Chair: MC Amy Hetherington)* Mal Nairn Theatre

	Symposium: Conservation success among Australia's threatened birds *Convenor: Stephen Garnett* Mal Nairn Theatre			**General forum: climate and birds** *Chair: Michelle Gibson* Blue 1 Theatre		**General forum: reproduction** *Chair: Helen Taylor* Blue 5 Theatre	
1430	Grainne Maguire	Ten years of Hooded Plover recovery on a highly impacted coastline in Victoria	Amanda Bourne	Hot droughts are associated with compromised overwinter survival in a cooperatively breeding bird, but bigger groups may recover better	Clancy Hall	Sex reversal in birds and its implications for conservation
1445	Peter Menkhorst	Helmeted Honeyeater – a symbol of endurance	Susan Cunningham	Landscape heterogeneity buffers a desert bird from costly thermal trade-offs	Kristal Kostoglou	Functions and costs of embryonic communication among shorebirds
1500	Matthew Herring	Bitten by the bittern bug: rice farmers championing waterbird conservation	Kiara L'Herpiniere	Effects of severe drought on maternal investment strategies in an arid zone cooperatively- breeding bird	Sara Petrovic	Does inbreeding depression affect sperm morphology and egg viability in helmeted honeyeaters?

1515	Barry Baker	Management of seabird bycatch leads to sustainable fisheries and seabird populations	Andrew McKechnie	Chronic sublethal effects of high temperatures will cause severe declines in arid-zone birds during the 21st Century	Laura Hurley	Sperm in eggs: Social, environmental, and phylogenetic impacts on avian polyspermy
1530 – 1600 **AFTERNOON TEA** University Theatre, Orange 3						
1600	Ashaley Ross	Bringing Alwal Home: A two-tool box approach for recovering the endangered Golden-shouldered Parrot	Louis O'Neill	Breeding in the arid zone	Ines Moran	Micro-geography in the vocal behaviour of New Zealand Wrens sheds light on the origin of vocal learning in birds.
1615	Allan Burbidge	Perpetual optimism maintained by long-term commitment – recovery of Noisy Scrub-birds and Western Ground Parrots	Nicholas Pattinson	Climate change-driven collapse of breeding success in Desert Hornbills evident over a short time scale	Niki Teunissen	Helping behaviour in a cooperative fairy-wren: nest defence and nestling provisioning
1630	William Mitchell	Reintroducing the Mallee Emu-wren *Stipiturus mallee* to Ngarkat Conservation Park	Lauren Tworkowski	Anthropogenic climate change: Are Little Penguins feeling the heat?	Kristal Cain	Conspicuous plumage does not increase predation risk: A continent-wide test using model songbirds
1645	Hayley Geyle	Celebrating progress in Australian threatened bird conservation			Kaspar Delhey	Do global birds follow Aussie rules? Revisiting ecogeographical rules of colour

1700 **END OF DAY 2**

1800 – 2100	**Conference dinner at Crocosaurus Cove**	Crocosaurus Cove, 58 Mitchell Street, Darwin

DAY 3 of #AOC2019

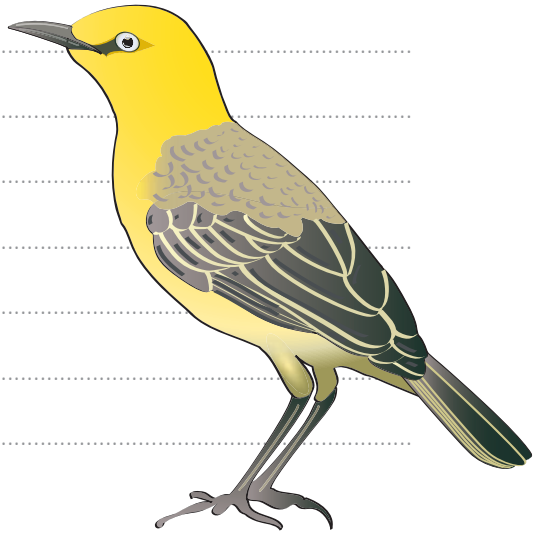
Friday 5th July						
0900 **Plenary 4 – Ayesha Tulloch** *(Chair: MC Amy Hetherington)* Mal Nairn Theatre						
Symposium: Woodland birds, including tropical savanna and stone country *Convenor: Alex Kutt* Mal Nairn Theatre			**Symposium: Advances in ornithology through new technologies and citizen science** *Convenors: Allan Burbidge, Richard Hill and Daniella Teixeira* Blue 1 Theatre		**Symposium: Disease in birds** *Convenors: Marcel Klaassen and Michelle Wille* Blue 5 Theatre	
0945	Martine Maron	Subtropical woodland bird decline	Lori Gould	Engaging the Community in the Latham's Snipe Project	Bethany Hoye	Silver gulls, scavenging, and scary bugs: insights into anti-microbial resistance at the human-wildlife interface
1000	Tegan Douglas	Population trends in temperate woodland avifauna: Insights from the Great Western Woodlands	James O'Connor	State of Australia's Birds	Helena Stokes	Investigating Chlamydia prevalence in Australian parrots and free-range poultry
1015	Floyd Holmes	Using animal behaviour as a bio-indicator of woodland restoration quality	Lindall Kidd	Shorebirds 2020 - Over 44 million shorebirds and counting	Sarah Coker	Molecular characterisation of coccidia (*Eimeria* spp.) in kiwi (*Apteryx* spp.).
1030 – 1100 **MORNING TEA** University Theatre, Orange 3						
1100	Teresa Eyre	Does carbon farming benefit woodland bird communities?	Clare Hawkins	Tracking nature together: a new monitoring programme for the Tasmanian Wedge-tailed Eagle (*Aquila audax fleayi*)	Johanne Martens	Parrots in Peril – Investigating Beak and Feather Disease Virus in wild Australian psittacines
1115	Diana Kuchinke	An overview of bird responses to fire, in the Heathy Dry Forests of Victoria	Adam Peck	The Great Cocky Count: an example of citizen science and its role in the protection of threatened birds.	Hannah Smith	Detecting Salmonella in pre-migratory shorebirds in Roebuck Bay; a natural occurrence or an anthropogenically influenced outbreak?

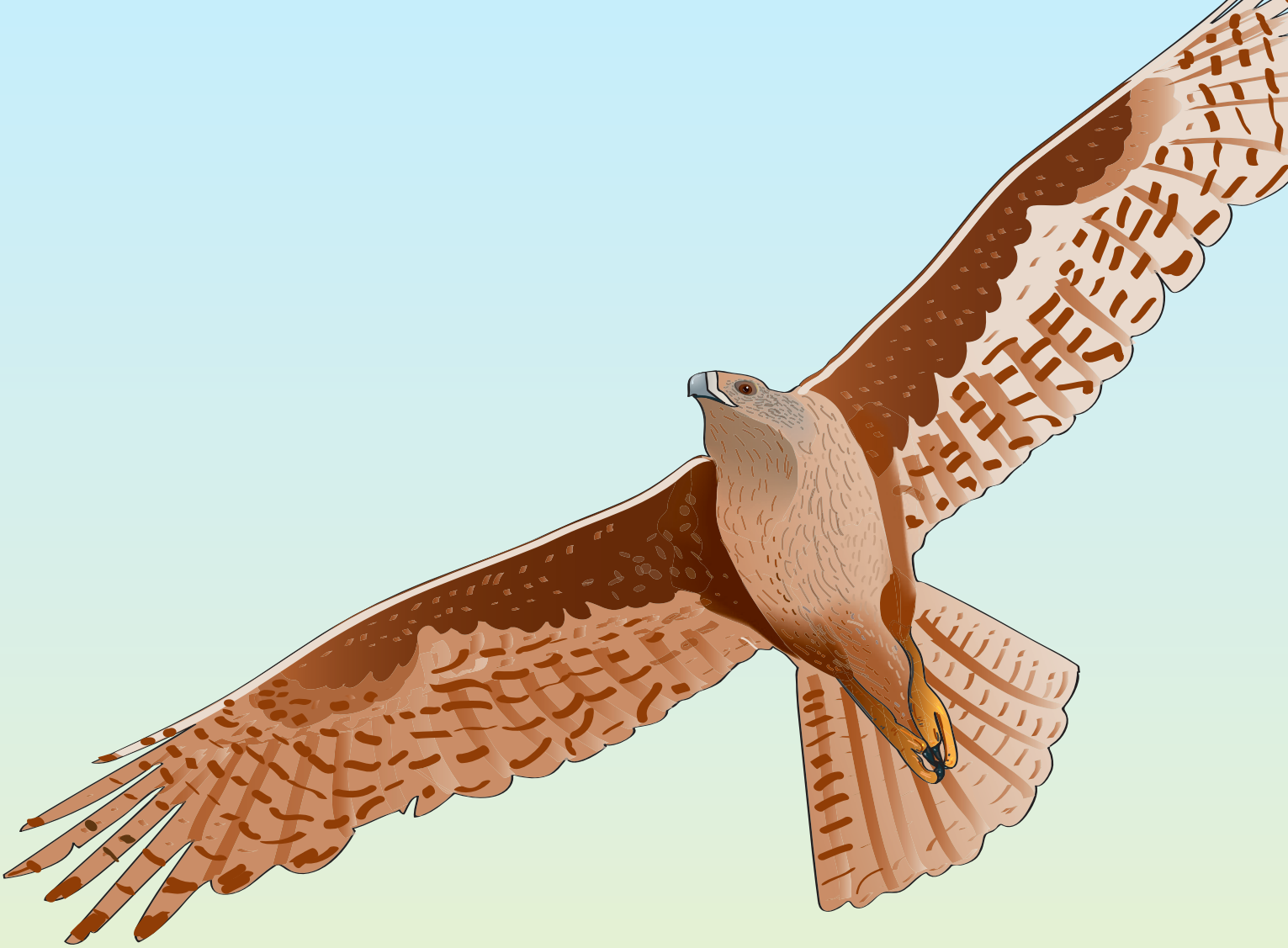
1130	Jessica Walsh	Combining noisy data: an adaptive management framework for effective conservation of woodland birds	Al Healy	New approaches to satellite mapping for management of threatened bird habitat	Archie MacFarlane	Long-term effects of genetic rescue on immunocompetence and parasite loads of South Island Robins *Petroica australis*
1145	Richard Loyn	Despotic birds profoundly affecting ecosystem structure in flood-prone Black Box woodlands.	Nicholas Leseberg	Using automated recognition to find rare species: advantages and limitations	Anjana Karawita	Highly Pathogenic Avian Influenza in Australian Black Swans (*Cygnus atratus*)
1200	Birgita Hansen	Livestock grazing effects on riparian bird breeding behaviour in agricultural landscapes	Daniella Teixeira	Bioacoustic monitoring of breeding success in endangered black-cockatoos	Michelle Wille	Factors affecting RNA virus diversity in wild birds
1215	Patrick Webster	An unknown bird of Queensland's tropical woodlands: The Buff-breasted Button-quail			Marcel Klaassen	The outstanding avian influenza situation in Australia
					General forum	
1230	Juan Mula-Laguna	Uncertainty in the face of extinction: Where should we invest to save the Black-throated Finch southern subspecies?			Benjamin Pitcher	Regent Honeyeater conservation breeding program: The influence of zoo-based life experience on post-release fitness
General forum: Urban birds *Chair: Holly Parsons*			**Symposium: Advances in ornithology through new technologies and citizen science** *Convenors: Allan Burbidge, Richard Hill & Daniella Teixeira*		**General forum**	
1245	Corey Callaghan	Deriving and applying a continuous measure of urban tolerance for assessing species adaptations and community changes in urban environments	Robert Davis	Bioclimactic modelling to evaluate suitability of planned translocation sites for the critically endangered Western Ground Parrot	Michael Magrath	Over-winter ranching and aided migration to help recovery the Orange-bellied Parrot
1300	Kaarissa Harring-Harris	Preventing bird declines in urban landscapes	Renee Mead	Remote sensing cameras and radio tracking help reveal relative threats to egg and chick fates of the threatened Hooded Plover	**Indigenous Threatened Species Planning session** *Chair: Stephen Garnett* (by invitation only) Meet at Blue 5 Theatre	

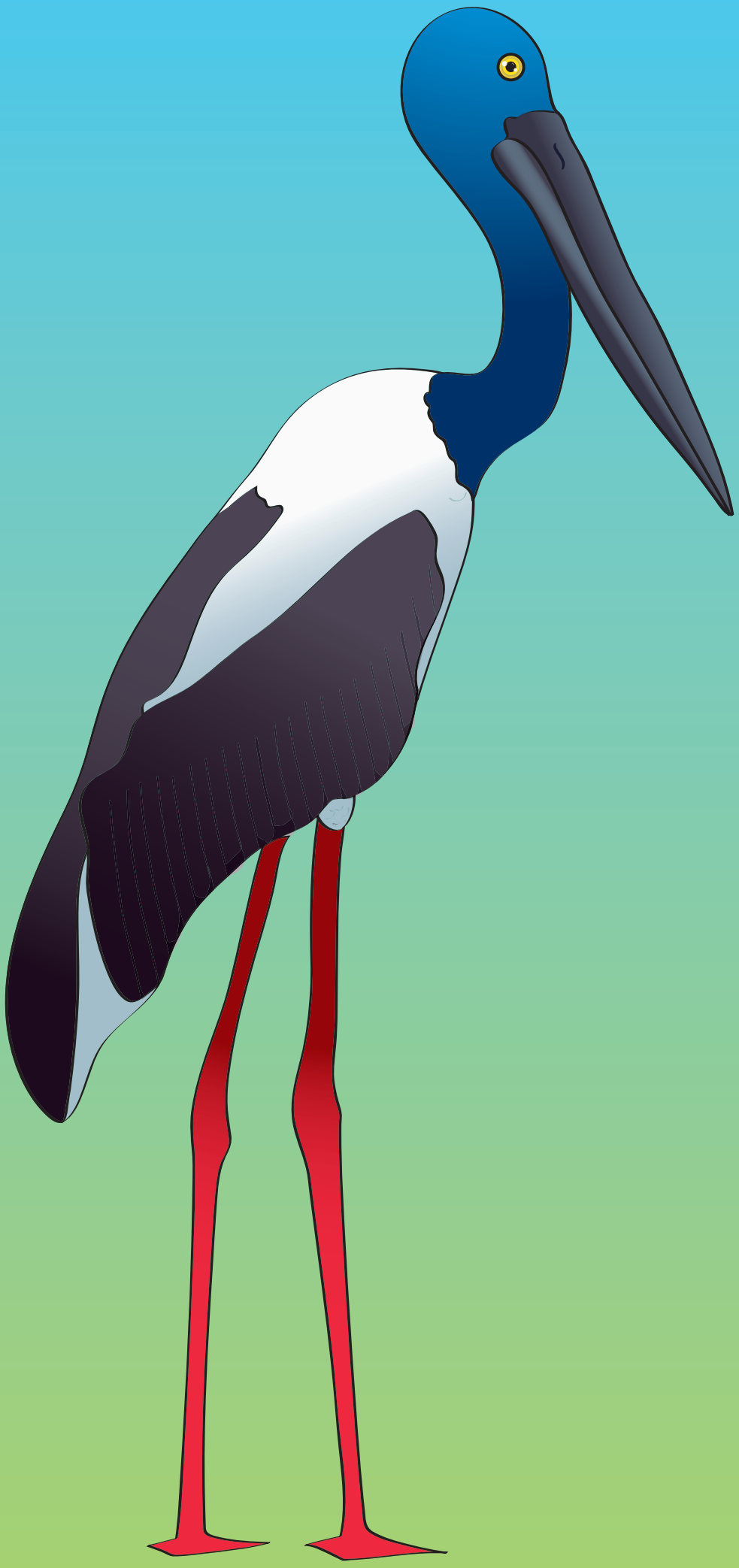
1315 – 1345 **LUNCH** University Theatre, Orange 3 1345 – 1415 **POSTER SESSION** University Theatre, Orange 3 **Meetings:** 1320 – 1415 Australasian Seabird Group member meeting – Blue 5 Theatre					
1415	Andrea Griffin	Species interactions around nesting opportunities in cities: parrots, introduced secondary cavity nesters, and aggressive natives.	Tara Crewe	Estimating home range of the endangered Gouldian Finch using automated radio-telemetry	
1430	Andrew Geschke	Compact cities or sprawling suburbs? Optimising the distribution of people in cities to maximise species diversity	Doug Bonham	Comparison of Motion Sensor Technologies for Automated Nest Monitoring	
1445	Holly Parsons	Improving conservation outcomes for Australia's urban birds	Sarah Comer	Acoustic monitoring informing recovery efforts for the critically endangered Western Ground Parrot	
General forum *Chair: LOC* Mal Nairn Theatre			**General forum** *Chair: LOC* Blue 1 Theatre		
1500	Brian Gill	Large insects and baby birds: diet of the Long-tailed Cuckoo (*Eudynamys taitensis*) in New Zealand	Josie Galbraith	Avian invasion risks from the pet trade in New Zealand	
1515	Dominique Potvin	Ecotourist activity, noise and its effects on the avian community	Alan Stuart	Investigating Rufous Scrub-birds in the NSW Gloucester Tops	
1530 – 1600 **AFTERNOON TEA** University Theatre, Orange 3					

1600	Hamish Campbell	Should we be worried about the Magpie Goose in Darwin?	Bruce Pascoe	Community Ecology of the Avifauna of Acacia shrublands in central Australia.	
1615	James O'Connor	A Threatened Species Index for Australian Birds	Melanie Massaro	Post-reintroduction distribution and habitat preferences of a spatially limited island bird species	
1630 **AWARDS AND PRIZES** Mal Nairn Theatre					
1650 **ANNOUNCEMENT OF AOC 2021** Mal Nairn Theatre					
1700 **CONFERENCE CLOSE** Mal Nairn Theatre					

Notes







62214 Uniprint 06.19 SS