

## Draft Workshop Program (Tuesday 5th to Tuesday 12th September 2017)

Arrival and registration Tuesday 5th 5:00 pm

Time	Day 1 Wed 6th	Day 2 Thurs 7th	Day 3 Fri 8th	Day 4 Sat 9th	Day 5 Sun 10th	Day 6 Mon 11th	Day 7 Tues 12th
5:30 - 9:30 Sunrise - 6:15		Comparison of recording rigs Part 1	Field Recording	Field Recording	Field Recording	Field Recording	
<b>Breakfast</b> 8:30 - 10:00							
<b>Session 1</b> 10:00 - 11:00	Andrew Skeoch:- Welcome, program outline, housekeeping. Background & history of the AWSRG.  Sue Gould Facilitated discussion - Getting the most out of this workshop?	Jennifer Ackerman - Latest research on avian intelligence and how it informs communication	Dr Leah Barclay (GU) - Transdisciplinary possibilities of Acoustic Ecology (Including an introduction to River Listening, Biosphere Soundscapes and Sonic Reef	Dr Ros Bandt (AMC) Sounding spaces - the integration of the present soundscape, edited sound recordings and document of significant events (Delphi)	Dr Michael Towsey (QUT) - Sonographic representation of long temporal eco- acoustic data	Dr Leah Barclay (GU) - The Art and Science of Environmental Field Recording in Local Communities (including the approaches to field recording developed through Biosphere soundscapes and equipment demonstrations)	AWSRG AGM Final wrap up farewells & depart
<b>Morning Tea</b> 11:00-11:30				Group photo			

<b>Session 2</b> 11:30 - 12:30	David Paull - General overview of the Pilliga	Prof Michael Mahony (UON) - Frogs	Jessie Cappadonna (QUT) Designing citizen science to find sneaky species with acoustic sensing	Sue Gould - A walk in the Clouds - Huon Peninsula, PNG	Dr Patrick Tap - Forestry Corporation Wildlife Monitoring in the Pilliga presentation and demonstration Fred van Gessel - Trip to Borneo	Fred van Gessel - Do we have 1 or 3 species of cicadabird in Australia?	
<b>Lunch</b> 12:30 - 1:30							
<b>Session 3</b> 1:30 - 3:00	Site visit somewhere with David Paull	Melinda Barrie - Sound Heritage ??	Julie Broken-Brow (30 mins)  Lucy Farrow (UNE) - acoustic signalling of noisy miners	Andrew Skeoch - Processing and repairing nature recordings: Specific techniques for using Izotope RX	Facilitated discussion by Jennifer Ackerman “Queries into bird communication: duetting, dialects and inter-species dialogues?”	Facilitated discussion: Jessie Cappadonna / Leah Barclay and Andrew Skeoch Role of AWSRG in citizen science; future of AudioWings; Developing AWSRG resources, networks and facilitating knowledge exchange  Where to next? Opportunities & challenges for our group.	
<b>Afternoon tea</b> 3:00 - 3:30							

<b>Session 4 3:30 - 5:00</b>	Andrew Skeoch - Introduction to the AWSRG website, Practical web blogging and social media skills / strategies Live blogging, editing and uploading recordings from the workshop	Comparison of recording rigs - Part 2 - Listening to and visualising recordings made in this morning's session. Discussion about matching equipment to purpose	Tony Baylis - Making use of your wildlife sound recordings	Bob Tomkins - The art and craft of field recording	TB / RT / AS - Preparing for a sound recording field trip		
<b>5:00 - 6:00 Practical sessions</b>	Andrew Skeoch Social Media 1: Identifying (a) social media opportunities, (b) what workshop participants are currently using and (c) what participants would like to learn about using social media	Social media 2: Run by Andrew Skeoch, Jessie Cappadonna, Leah Barclay - could be in small groups or one or one sessions	5:30 start Julie Broken-Brow Demonstration of Titley bat recorders	Social media 3: Run by Andrew Skeoch, Jessie Cappadonna, Leah Barclay - could be in small groups or one or one sessions			
<b>Dinner 6:30 - 8:00</b>							
<b>After Dinner activities</b>		Movie "Sacrifice Zone"	Bob Tomkins - PNG Sing sings?	Ros Bandt and Leah Barclay concert - Sonic Activism in the Antipodes	Andrew Skeoch - practice run.		

## **Workshop Presenters:**

### **Jennifer Ackerman**

A bird lover since childhood, Jennifer Ackerman has been writing about science and nature for three decades. Her most recent book, *The Genius of Birds*, explores the intelligence of birds. A national bestseller, the book has been published in 15 languages and has been a finalist for several literary science journalism awards. Jennifer's previous books include *Notes from the Shore*, a book about the shorebirds and other natural life of the U.S. mid-Atlantic coast; *Chance in the House of Fate: A Natural History of Heredity*; and *Sex Sleep Eat Drink Dream: A Day in the Life of Your Body*. Jennifer's articles and essays have appeared in *National Geographic Magazine*, *The New York Times*, *Scientific American*, and many other publications and have been included in anthologies such as *Best American Science Writing*, *The Nature Reader*, *Best Nature Writing*, *Flights of Imagination: Extraordinary Writings About Birds*, and *The Penguin Book of the Ocean*. Jennifer is the recipient of an NEA Literature Fellowship in Nonfiction, a Radcliffe Institute Fellowship, and a grant from the Alfred P. Sloan Foundation.

### **Ros Bandt**

Dr Ros Bandt is an internationally acclaimed sound artist, composer, researcher and scholar. Since 1977 she has pioneered interactive sound installations, sound sculptures, and created sound playgrounds, spatial music systems, and some 40 sound installations worldwide. She has curated many sound performances, exhibitions and events. Her original works are recorded on New Albion Records, Move Records, EMI/ABC, and Wergo. In 1990, Ros won the Don Banks Composers Award. Other awards include the inaugural Benjamin Cohen Peace Prize in the USA and the Sound Art Australia Prize funded by the ABC and the Goethe Institute. She has been commissioned by the Paris Autumn festival, the Studio of Acoustic Art, WDR-Cologne, Transit and ORF Vienna and was one of the six exquisites in the International Sound Art Festival in the USA. She collaborates with many interdisciplinary artists and has been a founding member of six ensembles: La Romanesca early music ensemble, the cross-cultural Back to Back Zithers, and the improvisatory LIME, the south north ensemble and the baroque Trio Avium. Ros is a prolific writer on sound and her book, *Sound Sculpture: Intersections in Sound and Sculpture in Australian Artworks* is the first audio visual profile of Australian sound art. She is an honorary fellow in digital heritage at the University of Melbourne, for her [The Australian Sound Design Project](#), the first on-line soundart gallery, searchable data-base and web site merging soundart practice with academic research. She has a sound studio in the faculty of Architecture and lives from her sounding spaces practice creating new site specific acoustic works tuning in to ancient sites in Europe, natural and man-made. She has an acoustic sanctuary for land for wildlife where her aeolian harps sing country.

[www.hearingplaces.com](http://www.hearingplaces.com) / [www.hearingjaarajaara2013.wordpress.com](http://www.hearingjaarajaara2013.wordpress.com) / [www.rosbandt.com](http://www.rosbandt.com)

## **Leah Barclay**

Dr Leah Barclay specialises in electroacoustic music, acoustic ecology and emerging fields of biology exploring environmental patterns and changes through sound. She creates complex sonic environments that draw attention to changing climates and endangered ecosystems. These works are realised through live performances and interactive installations drawing on environmental field recordings, data sonification and immersive sound diffusion. Leah's work is multi-platform and involves long-term engagement with communities ranging from the centre of the Amazon Rainforest to remote river systems in South India. Leah is the President of the Australian Forum for Acoustic Ecology, the Vice President of the World Forum for Acoustic Ecology and the founder and artistic director of Biosphere Soundscapes, a large-scale interdisciplinary project exploring the changing soundscapes of UNESCO Biosphere Reserves across the world. She is currently a postdoctoral research fellow at the Queensland Conservatorium Research Centre where she is leading a portfolio of research exploring the value of acoustic ecology as an accessible, interdisciplinary field that can inspire communities across the world to listen to the environment.

## **Michael Mahony**

Professor Michael Mahony (University of Newcastle) and internationally-renowned 'Frog Whisperer' is interested in conservation biology, with a particular emphasis on conservation genetics. He is currently working on recovery plans for several species of frog known to be endangered. He is also interested in genetic methods for the biological control of the cane toad, and his research has led to his involvement with the discovery of over ten new species of frog. Michael and his team of researchers are responsible for one of the world's most significant inventions of 2013, according to TIME Magazine's 25 Best Inventions of the year. The Lazarus Project has developed de-extinction technology which will resurrect vanished species and is the only Australian invention named in the global list. The breakthrough genome technology, which has been successfully applied to the gastric brooding frog, extinct since 1983, could herald a new era in global biodiversity and conservation management.

## **Andrew Skeoch**

Andrew Skeoch is a naturalist and one of Australia's best-known nature sound recordists. Over the last twenty years, he has journeyed to remote locations around the world in search of some of our planet's most beautiful and fascinating sounds. Combining his areas of expertise with a deep curiosity, Andrew explores the crucial role of sound and communication in nature and evolution. He weaves the latest scientific understandings into a fascinating celebration of the natural soundscape around us. His intriguing presentations are supported by audio recordings made over 20 years in wild habitats the world over, and will have you appreciating nature from an entirely fresh perspective. He is the current President of the Australian Wildlife Sound Recording Group Inc.

**Michael Towsey**

Dr. Michael Towsey has held research positions at QUT since 1997. He uses machine learning methods to solve biological problems. These have ranged from the sublime (analysis of bird song) to the ridiculous (analysis of milk yield in cow herds) with some bioinformatics in between. Michael is currently in the Bioacoustics Research Group at QUT. He works on the 'big data' problems associated with long duration recordings of the environment, in particular, building recognizers for species of interest, extracting acoustic indices to aid navigation and visualisation.