



Australian Acoustical Society - Queensland Division

## **Christmas Party & Technical Meeting Wednesday 5<sup>th</sup> December 2012**

**Date & Time:** 6:30pm, Wednesday 5<sup>th</sup> December 2012

**Event:** A 3-course sit-down dinner with drinks subsidised by the Society. A technical presentation will be made during the main course by the Guest Speaker.

**Venue:** Queensland Cricketers' Club, 411 Vulture Street, East Brisbane

<http://www.qldcricketersclub.com.au>

The Queensland Cricketers' Club is located 3 kilometres from the CBD, via the South East Freeway and taking the Vulture Street exit. Club entrance and reception is via the ramp walkway from Vulture Street (opposite the German Club).

Members and Function Clients have access to the car park situated on the corner of Main and Vulture Streets. The entrance is via the driveway, off Main Street, between Vulture Street and Sports House South. A downloadable map with instructions can be found at [www.qldcricketersclub.com.au/lib/QCCCarParkInfo.pdf](http://www.qldcricketersclub.com.au/lib/QCCCarParkInfo.pdf).

**Guest Speaker:** Dr Rebecca Dunlop

**Cetacean Ecology and Acoustics Laboratory  
School of Veterinary Science  
University of Queensland  
Gatton Campus, Qld 4343, Australia**

Humpback whales are the most vocal of the baleen species in that they use a wide and varied catalogue of social sounds. More than 36 different sound types (vocal sounds and surface-generated sounds from energetic surface behaviours) were found during a three year study on migrating humpback whales. Other species of baleen whale use less than 8 different sounds. Animals generally modify the type of sound used or specific sound features (frequency, duration, amplitude for example) when the social context of the vocalising animal changes, or when there are changes in the environment they are vocalising in. Humpback whales have been found to do the same thing. They use different types of sounds depending on the social composition of the group they are in (a mother with her calf, a mother, calf and escorting male, an animal on its own) as well as the presence of other singing animals in the area. They also vary specific sound properties (the frequency and amplitude at which they vocalise) when group dynamics change. During periods of high wind noise, humpback whales modify both their acoustic repertoire as well as vocal signal properties. Signalling groups gradually switch from primarily vocal to primarily surface-generated communication in increasing wind speeds and background noise levels, though keep both signal types in their repertoire. They also

tend to vocalise more loudly with increasing noise levels. Determining how whales modify their vocal behaviour in increasing levels of background noise as well as with changes in social context will give us an important insight into how they might cope with increasing levels of anthropogenic noise.

Rebecca completed her PhD in Belfast focusing on stress physiology and neuroethology in Dec 2002. She then moved to Australia and started working in humpback whale bioacoustics and behaviour as a post-doc at the University of Queensland. After finishing her post-doc, she remained at the University of Queensland as a lecturer in physiology, and now co-runs the Cetacean Ecology and Acoustics Laboratory within the School of Veterinary Science, University of Queensland. Her current interests are social communication in humpback whales, acoustic surveys of cetaceans and behavioural response studies in large marine mammals.

**Cost:** **\$35.00 AAS Members**  
**\$50.00 Accompanying person(s)**

**Dress Code:** A high standard of smart casual clothing is required for both ladies and gentlemen within the Club and children should dress to a similar standard. A minimum dress standard for gentlemen of smart casual, collared shirt, covered shoes and socks is required at all times (see: [www.qldcricketersclub.com.au/page/Dress%20Code.asp](http://www.qldcricketersclub.com.au/page/Dress%20Code.asp)).

**RSVP:** **Wednesday 28th November 2012**  
**Claire Richardson: AAS QLD Treasurer**  
Email: [aas@ane.com.au](mailto:aas@ane.com.au)  
Fax: 07 3245 7809

**Payment:** **Payment must be made using the attached registration form (which also becomes a tax invoice after payment).**  
**No payments will be able to be made on the night.**



# Christmas Party & Technical Meeting Wednesday 5<sup>th</sup> December 2012

**Australian Acoustical Society**

ABN 28 000 712 658

**Queensland Division**

PO Box 760

Spring Hill QLD 4004

## REGISTRATION

*Please complete form and return together with your payment to:*

*or fax:*

*or mail:*

Claire Richardson: AAS QLD Treasurer

[aas@ane.com.au](mailto:aas@ane.com.au)

07 3245 7809

PO Box 760, Spring Hill QLD 4004

## TAX INVOICE

### 1. REGISTRATION DETAILS

A. **AAS MEMBER** (please print in block letters)

Surname:	First Name:
Address:	
City:	Postcode:
State:	Country:
Telephone:	Email:
Special Dietary Requirements:	

B. **ACCOMPANYING PERSON(S)** (please print in block letters)

Surname:	First Name:
Special Dietary Requirements:	

Note: If there is more than one accompanying person, please attached corresponding details to this form

### 2. PAYMENT DETAILS (fees in Australian Dollars, including 10% GST)

Type	Cost	Number	Total
AAS Member	\$35.00		\$
Accompanying Person(s)	\$60.00		\$
<b>TOTAL PAYMENT DUE:</b>			\$

Please find attached a cheque payable to: Australian Acoustical Society – QLD DIV

Please debit my credit card:

Type of card:  Visa  MasterCard

Name: \_\_\_\_\_

Number:

Valid from: \_\_\_ / \_\_\_ / \_\_\_      Expiry: \_\_\_ / \_\_\_ / \_\_\_

Date: \_\_\_ / \_\_\_ / \_\_\_      Signature: \_\_\_\_\_

I have made a direct deposit into the Australian Acoustical Society Queensland Division bank account

Bank: ANZ

BSB: 014-281

Account No: 5631 84149

Account Name: Australian Acoustical Society – QLD DIV

NB: Please include the reference "Xmas12" with your name in the "TO" account description section

**THIS DOCUMENT BECOMES A TAX INVOICE AFTER PAYMENT  
PLEASE RETAIN A COPY**