



*TO ALL AAS MEMBERS and interested parties*

## **TECHNICAL MEETING**

**8pm Tuesday 31<sup>st</sup> August 2004**

### **The ambient noise of the ocean**

by

Dr Doug Cato

Defence Science and Technology Organisation

Absorption of sound in water is much less than for electromagnetic radiation or for sound in air, so sound is our main means of sending information any distance through water. It is used extensively by marine animals for communication, breeding displays and to obtain information about their surroundings. This talk will discuss the major sources of ambient noise: surface waves, rain, shipping and animal vocalisations and the way the noise affects use of sound by humans and marine animals. It will attempt to provide an insight into the acoustic environment of the ocean as experienced by marine animals, one that is quite different from our own. Some current collaborative research, particularly on the use of sound by marine animals, including a major international experiment off Queensland will be discussed.

*Doug Cato is a Principal Research Scientist in the Maritime Operations Division of the Defence Science and Technology Organisation in Sydney, and Adjunct Associate Professor at the University of Sydney, Institute of Marine Science. He has more than 30 years research experience in ocean acoustics, specialising in ambient noise and bioacoustics. He is a graduate of the University of Sydney and a Fellow of the Acoustical Society of America.*

Anyone interested in attending the meeting is encouraged to join us prior the meeting for a friendly dinner and drinks (free wine, beer and soft drinks for members!) at Rumours (formerly the University Bistro) at **6pm on Tuesday 31<sup>st</sup> August**, Level 6 of the Union House (see map below). The meeting will commence at 8pm in the H.H. Davis Room, Department of Mechanical Engineering, Engineering South Building. Parking is available on Victoria Drive.

Please RSVP to the School of Mechanical Engineering on 8303 5460 or Luke Zoontjens via [luke.zoontjens@mecheng.adelaide.edu.au](mailto:luke.zoontjens@mecheng.adelaide.edu.au), to help us organise the event.

**PLACE:** H.H. Davis Room, Level 1, Eng. South Bldg., The University of Adelaide, Nth Terrace Campus.

**DATE:** TUESDAY 31<sup>st</sup> August, 2004



# Australian Acoustical Society

A.C.N. 000 712 658

## SOUTH AUSTRALIA DIVISION

**TIMING:** 6pm at Rumours, Level 6 for dinner and drinks, and ~7:45pm in the H.H. Davis Room for an 8pm meeting start.

