

CHAIRMAN'S REPORT

19th ANNUAL GENERAL MEETING
of
THE AUSTRALIAN ACOUSTICAL SOCIETY
QUEENSLAND DIVISION

Wednesday, 14th September 2005

This report summarises activities in the Division since our last Annual General Meeting.

1 COMMITTEE MEETINGS

The 2004 Queensland AGM was held on 29th September 2004; the Division Committee has met formally on four occasions since that time. One other meeting was held which did not have a quorum. There was one formal meeting of the Acoustics 2004 Organising Committee during the period. In addition, prior to the conference there were numerous other meetings relating to various aspects of conference organisation.

This year's meetings were held at the Roma Street Gardens and at the Grand Chancellor Hotel.

The 2004/2005 Committee comprised:

Terry Anderson
Michael Caley Minutes Secretary (from February 2005)
Richard Deveraux Secretary, Acoustics Australia liaison/reporter,
Ian Hillock Chairman, Federal Councillor, Archivist
Michael Lanchester
David Mee
Stephen Pugh
Colin Speakman Treasurer, Federal Councillor
Martti Warpenius

2 TECHNICAL MEETINGS

Two technical meetings were held during the period. The first was a presentation by Andrew Rohde and Martin Veidt on their on-going ultrasonics research project, held at UQ Mechanical Engineering on 20 April 2005. More recently, on 18 July 2005, Martti Warpenius gave a technical presentation on the acoustic design of the New La Boite Roundhouse theatre, at La Boite, which was followed by a general social gathering.

As Acoustics 2004 recedes, time is now becoming available to organise such gatherings. We have a number of technical meetings planned for the remainder of the year. The first of these will occur later this month (Wednesday 28 September 2005) at this venue.

Preparation for a technical meeting requires significant investment of time by the presenters and those organising the venue and catering. I would like to thank those involved for their effort and time. I encourage those present to advise the Committee of likely topics for technical meetings and technical tours and to encourage all to get involved in this important aspect of Division activity.

3 ACOUSTICS 2004

Acoustics 2004 was a great success for the Queensland Division and the Society generally. It was in fact the largest National Conference of the the Society yet held. I will not go into detail in this report; the Congress has been reported in Acoustics Australia and I direct interested members to articles appearing in the last few issues of that journal.

I would like however to once again thank all members of the organising committee for their efforts in the preparation for Acoustics 2004 and during the Congress itself. Bob Hooker's contribution as Technical Committee Chairman should be particularly noted.

Colin Speakman as Division Treasurer and as Treasurer of Acoustics 2004 has made a number of remarks about the financial aspects in his report.

In the months following its conclusion the Congress has continued to generate significant amounts of work for members of the Organising Committee and I would particularly like to thank Colin Speakman, David Mee and Michael Caley for their contributions in this period.

4 CONGRESS PROCEEDINGS - ACOUSTICS 2004

Following an additional print run, copies of the Proceedings of the Congress are available in both printed and CDROM versions. Copies may be purchased for \$110.00 and \$33.00 respectively. The numbers of printed copies available are limited. If anyone requires a copy please contact David Mee or myself after this meeting. (A Proceedings order form has been posted on the Congress website).

We continue to receive orders for both the Printed and the CDROM versions of the Proceedings.

I would also note that if you do wish to obtain a copy please consider doing so prior to November as, as per standard arrangements, after the next conference, monies accruing from sale of Congress Proceedings will not go to Queensland Division, but will be handled at a Federal level.

5 SOCIAL FUNCTIONS

The major event during the period was Acoustics 2004. As a social event it was an outstanding success. Congress Organising Committee members Michael Caley, Colin Speakman and Steve Pugh are to be particularly congratulated on this aspect. Both technical meetings held this year have had a social component and we plan to do the same with future meetings. We are also planning to have a Christmas function later in the year to round out proceedings.

6 AWARDS PROGRAM

The Queensland Division Awards Program was instituted in 2002 to encourage interest and activities relevant to Acoustics within Queensland educational and research facilities. The Awards Program has two divisions, a secondary school division administered as part of the Queensland Science Teachers Association (STAQ) – Queensland Science Contest and a tertiary division open to undergraduate and 1st year postgraduate students studying subjects of direct relevance to Acoustics.

Initially the tertiary division was available to students studying at University of Queensland, Queensland University of Technology and Griffith University. Following review of the award in May this year, the Division Committee has voted to extend the award to students at all universities in Queensland.

The Division Committee also voted to increase the bursary amount for both award divisions. **Table 1** summarises current arrangements for the Awards Program.

Table 1 Award Bursaries 2004/2005

Division I – Secondary (STAQ Science Contest)
<i>A bursary of \$360.00 in cash will be awarded for the best project in the field of acoustics (noise/sound/vibration); open to students in all Science Contest divisions. At the discretion of the judges, this bursary may be split among a number of deserving entries (maximum of five).</i>
Division II – Tertiary
Category 1: - Project Proposal
<ul style="list-style-type: none"><i>A bursary of \$1500.00 in cash will be awarded for a proposed 4th year undergraduate (or 1st year postgraduate) project.</i>
Category 2: - Undergraduate Course Work
<ul style="list-style-type: none"><i>A book prize of \$150.00 will be awarded to the most outstanding student in the acoustics component of a relevant undergraduate degree subject.</i>

Note: In previous years the Science Contest bursary and Division II, Category I bursary have been to a total of \$250.00 and \$1000.00, respectively. The Division II Category II bursary was nominally \$100.00 but has never been awarded.

Division I

The Science Contest bursary was not awarded in 2004 due to a lack of suitable entries. In both previous years that the bursary has been awarded, there was no problem with lack of entries; the difficulty for the judges was to sort through the many potential winners.

This year's Science Contest will be held on 22 October at UQ, St Lucia. If members present know of likely projects, I would urge them to give their best encouragement to the students involved.

Division II

The 2004 Category I Bursary was awarded jointly to Francis Tan, Owen Lim and Louis Wong of University of Queensland Mechanical Engineering, for their project entitled *A Comprehensive Study of Acoustics Absorption Measurement Techniques*. This project involved comparative sound absorption measurements using UQ's Small Reverberation Chamber and Impedance Tubes and the large reverberation chamber at Acran.

It had been hoped to announce this award at the Acoustics 2004 Congress Dinner, but due to the clash with UQ swot vac, it was thought best to present the award a suitable function later in the year. The 2004 award was ultimately presented to the successful applicants at a luncheon at the UQ Staff Club held on 20 June 2005, organised by their supervisor Dr Robert Hooker. The Queensland Division is once again indebted to Dr Hooker for his encouragement of the science and practice of Acoustics!

We have invited Louis Wong to present the project results to the members at a Technical Meeting to be held in October 2005 (Francis Tan and Owen Lim have returned to Singapore following completion of their studies).

This year applications have been received for both the Category I and Category II bursary awards.

I am pleased to announce that the Category II bursary has been awarded to Scott Butterfield for his course work in Mech 3250 Engineering Acoustics at UQ.

The Category I bursary has been awarded to Mathew Morrison for his project entitled "*Investigation into the Effect of Initial Conditions on Wear Type Rail Corrugation Model Predictions*". This project was conducted in the context of the ongoing UQ/Rail CRC rail corrugation work led by Paul Meehan. As such the project is of direct relevance to a major noise source mechanism.

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I take this opportunity to thank my fellow members of the Queensland Division Committee, all members of the ACOUSTICS 2004 Organising Committee and all those who contributed to the success of the conference and to the work of the Division during the past year.

Ian Hillock

Chairman, Queensland Division