



**ROYAL
AERONAUTICAL
SOCIETY**

AUSTRALIAN DIVISION

Vol 2011-3

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www.raes.org.au

NEWSLETTER

NOVEMBER 2011

RAeS AUSTRALIAN DIVISION PRESIDENT'S MESSAGE



Your Australian Division Council met on Saturday 12th November 2011 for its third meeting of the year. As many of you will be aware, your elected Councillors give a great deal of their time to the running of the Division voluntarily. Our meetings typically take place on a Saturday and occupy most of the day. We are particularly appreciative of the support given by those Councillors who travel interstate to attend. I would like

to brief you on some of the key matters we discussed.

Firstly, you will recall the ongoing saga of the debate with our UK colleagues over the level of subvention we pay to the Society to cover the cost of supporting an Australian Division member. This subvention is by far the largest single cost element in your membership fees and is something your Council monitors very closely on your behalf. At the time of the last Australian Division newsletter we had provided to UK a detailed paper clearly setting out our views on this matter and the Society's President had subsequently referred the matter to the Advisory Committee. The upshot was that the Society appointed a Councillor, Mr. David Chinn, to produce a report on "The future funding of the Divisions". To his credit David worked extensively with us (in particular our Hon. Secretary Ross Barkla) to understand the background and history of this long debate. His report, containing a range of recommendations, and three items for Resolution was presented to the UK Council on 7th November. Whilst we were generally in agreement with his recommendations, two of his three items for resolution we did not agree with – one in particular. I am pleased to advise that wisdom prevailed and the UK Council agreed with our views.

In summary, the Society has accepted our subvention figure for the 2011 year and to increase this by the UK CPI for 2012. This will result in a small average 2% increase in your fees for 2012. Given that this is the first increase in the Australian membership fees for three years the Division Council believes this to be a responsible outcome. On this basis the maximum increase in an Australian membership fee for 2012 will be \$8. Most membership categories will increase by only \$2.00. Student Affiliate fees will remain unchanged.

The UK Council has also requested that "the Divisional members be invited to pay a voluntary additional 15% towards the charitable aims of the Society". The Division calculates this to be AUD11.00 added to your 2012 fees. Again your Council believes this to be reasonable request but wishes to be sure the funds are applied only

to the charitable works of the Society. We have therefore asked that any funds raised through this voluntary contribution be applied to the Society's Centennial Scholarship fund. The Society's President has agreed to this proposal. This fund was established to mark the Centenary of Flight and helps young people towards a career in Aerospace. Several young Australians have been recipients of the award. The details of the fund are available on the Society's website – www.raes.org.uk

The balance of the recommendations centred on improving communications between the Society and its Divisions and the active involvement of the Divisions in the development of future strategy for the Society. This has the full support of the Australian Division Council. To further this work it has been agreed that we will reactivate the Society's Divisions Conference and expect the first of these to be held early in the New Year. Your Council believes it is important that this meeting be closely managed and tightly focused on the future of the Society in a globalised industry.

Whilst we are pleased with the outcome of the subvention discussions, of more importance in the longer term is that the work has been able to draw attention to, and define, the bigger issues of the future direction and strategy of the Society. In this respect the outcome has been very positive and we look forward to working with our UK colleagues on these matters.

On behalf of your Division Council may I wish you and your families a very happy and successful 2012.

Andrew Drysdale, FRAeS, President, Australian Division.

Australian Division Council

President: (2011-2013) T. Andrew Drysdale FRAeS
Past President: David A. Forsyth FRAeS
Hon Secretary: Ross D. Barkla FRAeS
Hon Treasurer: Robert H. Stevens FRAeS
Councillors: Phillip N. Campbell FRAeS; A/Prof Cees Bil MRAeS; Katrin Hewitt ARAeS; John S. Napier AMRAeS; AVM Peter G. Nicholson AO FRAeS; Air Cdre Noel G. Schmidt AM CSC FRAeS; Mr John Vincent FRAeS; Capt Ian C. Watkins FRAeS; and Dr Ronald J. Yates AM Hon FRAeS
Branch Chairmen: Harold Walton, Adelaide; Glenn Luke, Brisbane; Air Cdre Jon Pike, Canberra; Dom Lombardo, Melbourne; John Hinton, Perth; and David Adkins, Sydney

Our Website - www.raes.org.au

Members should make use of our Australian Division website. Login instructions for Members are as follows:

1. The default usernames and passwords for the site are as follows:
2. **Username:** First letter of first name and surname (eg. jsmith for John Smith); and
3. **Password:** RAeS member number – usually 5 to 7 digits.

Users are encouraged to change their password upon logging in for the first time. No one is able to recover passwords; however the Australian Division Webmaster,

Michael Brett, is able to reset passwords should a member forget their password. Should this occur please contact Michael via email (michael.brett@gmail.com). Members are reminded that they can change their contact details via the website.

The International Council of the Aeronautical Sciences

“Covering the World of Aeronautics”

A/Prof Cees Bil reported on progress with the organisation of the 28th Congress of the International Council of the Aeronautical Sciences, to be held 23-28 September, 2012 in Brisbane, QLD. Approximately 900 abstracts had been received out of which just over 400 had been selected, based on quality. Consequently there will be twelve tracks rather than the usual eleven. He was pleased to report that the Division's nomination for the ICAS Guggenheim Memorial Lecture Award, Dr Bill Schofield, had been accepted. The ICAS Lawrence Hargrave Award will be awarded to Dr Takashi Ishikawa of Japan and two Australians, Dr Allan Paull and Prof Michael Smart would share in the ICAS von Karman Award for International Cooperation in Aeronautics. (Refer www.icas.org for further details.)

Sustainable Aviation Fuels

Following the completion of the Australian and New Zealand Sustainable Aviation Fuel Road Map Study Report (which is available on our website www.raes.org.au/aviation-and-the-environment/) Robin Stanier has undertaken a review of the Division's current environmental position paper to map commonality, identify any gaps, and to recommend to Council a strategy to adopt on this important matter. It is expected that this work will be completed in time for the next Meeting of Division Council, March 2012.

Australian Aeronautics Journal

Background: The journal Australian Aeronautics was initiated by the late Richard Douglas Archer, RAeS Australian Division Councilor and Professor at the University of New South Wales, to establish a journal to publish lectures presented to the Branches and to conferences in Australia for distribution to Division Members. Since Prof Archer's passing in 2004, to date the journal has been published on an ad hoc basis. It has been proposed to re-activate Australian Aeronautics as a technical journal and Council has approved the issue of one edition for publication in 2012 and to assess the results.

Objective: Many aeronautical societies around the world publish a journal as a service to researchers and other authors who wish to disseminate information of interest, such as on science, engineering, development and to the general community who like to be informed about the latest technological developments, industry news, etc. All papers submitted for inclusion in the Journal will be peer reviewed which significantly increases the credibility of the information, makes the Journal become a document for referencing, builds a reputation that is reliable, a quality Journal and will become a calling card for the society.

Process: Whilst the Australian Division will manage the sourcing of papers, reviews and make the decision to publish or not, the actual publication of the Journal will be outsourced to a company that has experience in publishing scientific and engineering journals.

Standardisation of the Award of Student Prizes.

The matter of the consistency in value of prizes awarded to students by the Branches of the Division is still concerning the Council. Katrin Hewitt, Director Student Programmes, is collating a register of student prizes.

The Student Programmes portfolio will also review initiatives and strategies applied by Branches that have seen student members join Branch Committees. It is expected that these strategies will encourage student numbers to increase and to participate in Branch and Division initiatives and more importantly provide career opportunities at different stages of their development as aerospace professionals.

Katrin will provide a progress report at the next Council meeting.

Development of New Advertising Material

Council believes there is a need of suitable advertising material to encourage membership. The Society is in the process of updating its material, as there is nothing currently available. The Honorary Secretary, Ross Barkla, Administration Officer, Peter Brooks and Councillor John Vincent, Director Membership, undertook to prepare a report on this matter for the March Council meeting.

The Hon. Secretary circulated to the meeting, copies of the latest membership information brochure produced by the Society. It was considered unsuitable for use by the Division in its present form. It was agreed that John Vincent would liaise with London to ascertain if a version suitable for use by the Division could be produced and at what cost and report the response to the Executive Committee.

External Affairs Matters

Mr Phillip Campbell, Director, External Affairs who is Chair of the Joint Board of Aerospace Engineering (JBaE), which met on 3rd November, 2011 reported the following:

1. The joint Engineers Australia and RAeS draft brochure mentioned in our August 2011 newsletter has now been finalised with all stakeholders and will be printed in December 2011. The brochure on Aerospace Engineering was sponsored by the Joint Board of Aerospace Engineering and utilised information derived from the National Engineering Registration Board website (www.engineersaustralia.org.au/nerb/).
2. The AIAC14 Congress was held with some 467 in attendance (AAC14 261; HUMS 98; and APISAT 108) and resulted in making a profit, which was dispersed in keeping with the terms of the original agreement.
3. The JBaE 2012 International Eminent Speaker, Mr Doug Arbuckle of the FAA will tour all branches during March 2012. His topic will be 'The New Air Traffic Control System for North America'.
4. Preliminary discussions were held regarding the 2013 International Eminent Speaker. Potential topics included gas turbines engines and bio-fuels, 2030 aircraft design features, space tourism, the European GPS system and a presentation by the Editor of Aviation Week magazine. Phil requested Branch Chairmen to forward their suggestions for possible topics/speakers for the 2013 programme The 2013

International Eminent Speaker is expected to be determined at the May 2012 JBAAE meeting.

5. Based on the tenure arrangements, Mr Phillip Campbell has concluded his time as Chair of JBAAE. Dr Murray Scott, as an EA Chair, will take on this role for 2012-2013.

Voluntary Privacy Policy

As previously advised Council noted that the Australian Division has a significant collection of personal data and undertook to develop a Voluntary Privacy Policy to be placed on the website. Councillor Mr Dom Lombardo developed a draft Division Privacy Policy based on the Society statement and tabled the document. It was agreed that the policy should nominate a contact officer and state the period for retention of membership records. Once the Division Privacy Policy is modified and agreed by Council it will be added to the Society website.

Australian Division – 2011 Aeronautical Fellowship

The RAeS Australian Division in May 2011 initiated an Aeronautical Fellowship valued at up to \$10,000 per year and called for applications. Katrin Hewitt, the Chairman of the Aeronautical Fellowship Committee reported that only two applications were received, but recommended that no Fellowship be awarded this year, which was accepted.

In addition Katrin Hewitt proposed that her committee review and clarify the details pertaining to the Fellowship with the objective of offering an Aeronautical Fellowship again in 2012.

Honorary Treasurer, Mr Robert Stevens

The Chairman reported that the Hon. Treasurer, Mr Robert Stevens, had advised the Executive Committee that he wished to step down from the position and had suggested that Mr John Napier, currently acting as Assistant Treasurer, be appointed to the position. Additionally, Mr Robert Stevens had indicated that he was willing to act as Assistant Treasurer to support Mr John Napier in the role of Hon. Treasurer. It was noted that Mr John Napier was not currently eligible to be Hon. Treasurer as he was not a voting member of the Society, however he has submitted an application for upgrading his membership.

It was accepted that Mr John Napier be appointed to the position of Honorary Treasurer, subject to his election to voting membership of the Society, and Mr Robert Stevens to the position of Assistant Treasurer.

The Chairmen then expressed the appreciation of the Council and the Division to Mr Robert Stevens for his service as Honorary Treasurer for so many years. Mr Stevens was appointed as Hon Treasurer on 17 July 1986

Notice of Proposed Rule Making- NPRM

As requested by Council at its August meeting, Jon Pike, Canberra Chairman, reviewed the Council's participation in the Civil Aviation Safety Authority's Rule Making.

Background: The Civil Aviation Safety Authority (CASA) is responsible for safety regulation of civil air operations in Australia and the operation of Australian aircraft overseas. In the development of regulations and amplifying documents, CASA seeks to consult widely with those with an interest in aviation. It uses a number of consultative forums and documents.

CASA's primary forum is the Standards Consultative Committee (SCC), which brings together CASA staff and

representatives from a diverse range of aviation community organisations to work jointly during the development phase of regulatory material. The SCC examines proposed regulatory changes to determine if they are worth pursuing and assists CASA in the allocation of priorities to those projects. Aviation community experts then work together with CASA staff in subordinate groups on the detailed development of regulatory material (both new regulations and amendments). The six sub-committees are: Certification Standards, Flight Crew Licensing Standards, Operational Standards, Sport and Recreational Aviation Standards, Maintenance Standards, and the Airspace and Infrastructure Users Group.

Currently the SCC comprises 39 organisations from a diverse range of industry groups. There are a combined total of over 200 CASA and industry participants in the SCC and its six sub-committees. The SCC usually meets bi-annually alternating between Canberra and Sydney. The meetings review any recommendations made to CASA, provide a status on updates to operational, licensing and maintenance regulations, and discuss sub-committee reports.

When conducting regulatory development activities, CASA's method in conducting consultation is to seek early and on-going input and comments from interested parties regarding aviation safety issues and proposals to introduce new or amended standards. The two primary means of public consultation used are:

- Informal consultation during the legislation development stage through a Discussion Paper (DP), and
- Formal consultation, once the policy and associated advisory/procedural material have been established/developed through a Notice of Proposed Rule Making (NPRM).

Mr. Ian McIntyre from the Canberra Branch is the RAeS nominated contact officer on the CASA's primary forum – the Standards Consultative Committee (SCC) and has fulfilled this role for some time. Previously, Capt. John Faulkner a member of the Division Council was also involved, but he vacated this position when he relocated to the UK.

Following general discussion Council agreed that there were enough members of Council involved in the industry to monitor the situation and alert the Council if there was any specific item which warranted Division input. Accordingly it was agreed that the Division should withdraw from participation in the SCC.

Awards

The Hon. Secretary reported that the Society's Medals and Awards Committee had awarded the Society's Specialist Silver Award to Mr Gregory Dunstone FRAeS, the winner of the 2011 Australian Division Lawrence Hargrave Award. Greg, accompanied by his wife, went to London to accept the Society's Award

Lawrence Hargrave

The Hon. Secretary reported that he had received a letter from Brian Riddle, the Society's librarian, advising that 2015 is the 100th anniversary of Lawrence Hargrave's death and as the Society holds a lot of Hargrave artefacts he wants to put together a book on Hargrave to be published in 2015. He has asked for Division help in finding an Australian publishing house which may be

willing to participate in publishing the book. It was agreed that the Division should support the project and that both the Mitchell Library and the UNSW Press be approached to ascertain their interest.

Strategy & Governance

The Past President, Mr David Forsyth, responsible to Council for Strategy and Governance, spoke to his draft paper entitled 'RAeS Australian Division Strategic Plan 2011 – 2016'. He focussed on:

- Australian Division's high level risks and how they may be mitigated; and
- Conducting a poll of our members which would be of benefit in the development of the strategic plan.

It was agreed that David Forsyth would develop and circulate to Council, questions for inclusion in a poll to determine the views of members. Once the questions are agreed by Council it maybe possible for each Branch Chairman to conduct the poll of their Branch membership at Branch meetings.

Council had organised a Risk Management/Governance session prior to the November Council Meeting, but, for personal reasons, the presenter was unable to come, so this will now occur at the March 2012 Council Meeting.

Branch Chairmen Reports

All Branches continued to active during the last quarter of 2011. Most notable events were:

- The Hargrave Lecture and Dinner (Melbourne Branch) on 19th October – Speaker Mr Ian Honnery;
 - The 53rd Sir Charles Kingsford Smith Lecture and Annual Branch Dinner (Sydney Branch) held 30th November – Speaker Mr Rodney Stiff, CEO, Jabiru Aircraft Pty Ltd;
 - Panel Discussion 'The Philosophies and Practicalities of Civil Aircraft Fly-by-Wire Technology' (Sydney Branch) held 19th October. Panellists were the Chief Pilot from each of V Australia and Virgin and a Qantas A380 Technical Pilot; and
 - Visit to Quickstep Technologies (Perth branch) on 4th August – a WA company specialising in production of carbon fibre components for the aerospace industry.
- Sydney Branch Chairman commented that the Panel Discussion mentioned above would be of interest to all branches and should they consider pursuing this to contact the moderator, Capt Ian Watkins.

Article for Australian Flying

The President is looking for a young member of the Australian Division involved in General Aviation to write an article for publication in the *Australian Flying* magazine. Council members were asked to assist in finding someone and Branch Chairmen were requested to raise this matter at Branch Meetings.

MEMBERSHIP SUBSCRIPTIONS FOR 2012

The Council of the Australian Division has approved the following membership subscriptions for 2012:

RAeS Grade	Member Rates	Fully Retired Member Rates 65 years & Over ²
Headline Membership Rates¹		
Fellow or Companion	\$414 (\$406)	\$86 (\$84)
Member	\$280 (\$274)	\$86 (\$84)
Associate Member	\$172 (\$169)	\$86 (\$84)
Associate	\$122 (\$120)	\$86 (\$84)
Affiliate	\$104 (\$102)	\$86 (\$84)
Affiliate – Student ³	\$25 (\$25)	

Baseline Membership Rate⁴ \$86

Notes:

1. In accordance with head office practice – since 2011, there are six rates that align with the six membership grades in the By-Laws.
2. Since 2011 subscriptions are no longer age related with the exception of:
 - Members who are 65 years of age and over and are **fully retired**;
 - Fully retired members under 65 rates will be increased by 2% over 2011 levels. BUT, this rate is no longer being offered to new retirees and is being gradually phased out.
3. Available to **full-time** students, under 26 years of age intending to follow a career in aerospace and will only have access to *Aerospace International* and *Aerospace Professional* via the Society's website.
4. The baseline membership rate is the cost incurred by the Division for each member and is calculated on the basis of subvention to London per member converted to Australian dollars plus \$15 per member.
being the Division subsidy paid to each Branch.
5. Bracketed figures are 2011 rates.
6. These rates are available to **all** members of the Society who are resident in Australia. If you paid your 2011 fees direct to the Society in London and now wish for 2012 to be invoiced by and to pay the Australian Division please contact the Administration Officer, Peter Brooks, at austdivision@raes.org.au to arrange.