The Australian Mathematical Society (Inc)

Reports for the sixty-first Annual General Meeting and the one-hundred-and-twenty-third Council Meeting 2017

President’s Report
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AustMS President’s Report

Annual Meeting 2017

Half way through my term as President already, and I am reminded of the Immediate Past President Tim Marchant’s advice to me a year ago: the two-year term will fly by, and you should focus on only a few things you wish to achieve before handing over to the next President. Well, there is a long list of things to achieve, and I wonder if the next President should have a longer term, perhaps three years, to achieve them. I will be discussing this issue with Council.

At the start of my term, I identified some issues that formed an initial set of priorities:

- provide a forum for mathematicians to debate fundamental questions about our discipline
- expand reciprocal agreements between AustMS and like-minded overseas societies, and reciprocal agreements with other Australian societies in “01” fields
- review and adapt the London Mathematical Society’s “Good Practice Scheme” for gender equity, ensuring that all society processes conform to best practice.

This list quickly grew following a consultation period with members. In particular, a meeting in February with the members of the Australian Council of Heads of Mathematical Sciences identified a number of issues where they hoped to see AustMS playing a leadership role:

- helping to implement the decadal plan
- improving visibility of MISG and other opportunities to engage with industry
- investigating the perceived inequities in the ARC grant system that may be disadvantaging some groups within the mathematical sciences
- ensuring sufficient numbers of mathematicians are nominated for ARC College of Experts roles
- revisiting the course accreditation role of AustMS

I am grateful to these colleagues for their feedback and look forward to advancing these issues. A summary of progress to date is provided below.

The Inaugural Debate

Thanks to the six debaters and Adam Spencer for the time and commitment to make our inaugural debate at this year’s annual meeting as entertaining and informative as possible. Thanks also the colleagues I consulted on a range of possible topics before deciding on “The traditional mathematics blackboard lecture is dead!” There are plenty of other topics that we can choose in future years, and I hope this will serve as just one of several mechanisms we can develop to provide opportunities for mathematicians to discuss fundamental questions about our discipline.
Reciprocal agreements

This year we have signed reciprocal agreements with the Japanese Society for Industrial and Applied Mathematics (JSIAM) and renewed a cooperation agreement with the European Mathematical Society. Discussions are underway with the Australian Society for Operations Research (ASOR) about reciprocal membership. Please contact me if there are other societies with which you would like AustMS to explore reciprocal arrangements.

Gender Equity

1. Thanks to Aidan Sims (Wollongong) who has chaired a working party this year charged with reviewing the London Mathematical Society’s Good Practice Scheme for Gender Equity. The working party included Ben Burton (UQ), Bronwyn Hajek (UniSA), Vivien Kirk (Auckland), Susan Scott (ANU), Aidan Sims (Wollongong), and Yvonne Stokes (Adelaide). They have done an excellent job in providing a comprehensive set of recommendations that Council has been asked to endorse.
   - Changes we can make to policy now within the AustMS to improve AustMS practice.
   - Initiatives we could develop to support its members at their home institutions.
   - Initiatives we could develop to encourage good practice in mathematics departments.

   There is also a recommendation to establish an Equity and Diversity Committee to oversee the implementation of these recommendations, and I’d be delighted to hear from anyone who would like to join this committee.

2. WIMSIG conference – Congratulations to Lesley Ward and her team for organizing such a successful inaugural Women in Mathematics conference, held in Adelaide in September this year. It was a truly wonderful few days spent supporting each other, mentoring, and learning from some outstanding plenary speakers and a line of up excellent research talks across many parallel sessions. I hope that this event will become a regular part of the AustMS conference schedule, and that even more people (of all genders) can benefit from attending next time.

3. I am pleased to offer continued support of the Women in Maths Special Interest Group (WIMSIG) networking events, via my ARC Laureate Georgina Sweet funding, continuing the tradition established by Nalini Joshi with her generosity. Funding will be used to continue the WIMSIG lunches and dinners at AustMS and ANZIAM conferences for the next few years, and to provide additional Anne Penfold Street awards. I urge all female members of the society to get involved in these activities and to benefit from the networking and support that WIMSIG is providing so well.
ARC issues

Concerns have been raised by some members about the methodology used by the ARC for the ERA benchmarking exercise, in particular pointing out the volatility of the relative citation indices of world benchmarks and the very blunt tool this creates for assessing university performance in 4 digit FoR codes. I have a draft letter to the ARC, currently refining to seek input from others about other concerns with the process, and have suggested that there are many members of the society who would be happy to be on a working party to ensure the methodology and use of these benchmark numbers is meaningful. If anyone has any other concerns they would like expressed, please let me know.

My time spent this year on the ARC College of Experts has been very interesting and useful, giving me a very good picture of the mathematical research work going on across the country. I also believe that the process of awarding grants is very fair and transparent, but the outcomes for our discipline depend greatly on the quality, background and skills of the mathematicians on the panel. It is particularly important to have enough mathematicians nominated, and we must identify outstanding candidates and encourage them to nominate as a service to our discipline. I mentioned this in one of my President columns, and mention it again now. I would be happy to discuss with anyone who is potentially interested. I also have a 1 hour seminar I have been giving, based on my experiences this year on the ARC College of Experts, about the process and tips I can share, and would be happy to give this seminar at your university if you contact me.

Course accreditation

Following the discontinuation of the AustMS Course Accreditation process in 2012, and at the request of several groups, I have agreed to chair a working party of AustMS to look into the feasibility of re-establishing the Course Accreditation process. This will be in partnership with AMSI who will coordinate the various mathematical sciences societies, such as AustMS, the Statistical Society of Australia, Australian Institute of Physics, etc. Please contact me if you have any interest in contributing to this working party or any subsequent accreditation panel, or if you believe your department would be interested in having any courses accredited.

New VP (T&L)

I am delighted that Council has been asked to endorse a proposal to establish a new Vice President (Teaching & Learning) role. This recognizes the fact that teaching mathematics is an important part of the lives of many of our members, and is an area where the society can better support members. The appointment of the new VP(T&L) will be an open process for nominations to be considered.
Engagement with Industry

Recently I attended the Science Meets Business event in Sydney, organized by Science and Technology Australia. It was an interesting day, and I encourage members to attend such events (also Science Meets Parliament) when you receive emails calling for expressions of interest. Highlights of the day for me included an excellent opening address from UTS Chancellor Catherine Livingston which contrasted Australia to Israel, arguing that our negative attitudes create a self-reinforcing mantra about us not doing university-industry collaboration well. She argued that we need to rethink university education, its role and our products; better integration between university of VET sectors, mid-career training, etc. A lot of the discussion was on job creation, and the role of universities in job creation, so that the government has sufficient wealth to afford to support research and innovation. The political messaging continued with speeches from both government and opposition (Craig Laundy and Kim Carr). One opportunity for AustMS members that I learned about that day is Data61’s Expert Connect https://expertconnect.data61.csiro.au/ – an online database currently listing 45000 experts available to support business with research challenges. Many of you are already automatically listed there, but won’t be happy with the information they have mined. I will be speaking with Data61 about what we can do to improve this.

Election

I am delighted that we had an election for the President-Elect role with two very excellent candidates in Jacqui Ramagge and Geoff Prince. It is a very positive sign that leadership of the Society is seen as a desirable role, attracting high quality nominations, and suggests that the future of the Society is in good hands.

But there is still one year left in my term, and much to be done. I’d like to thank members of Council, Steering Committee and the office holders, particularly Peter Stacey and Algy Howe, as well as May Truong, for their tremendous assistance this year.

Professor Kate Smith-Miles, FAustMS

President
November 15th, 2017
Secretary's report to Council and the AGM 2017

1. Statistics for the period 1/8/16 to 31/7/17

**NEW MEMBERS: 135**

*Ordinary Members (O) Early Career (EC) Reciprocal Members (Recip) Reduced-rate Members (RR)
Retired Members (Ret) Student Members (S) Education Members (Edu) Sustaining Members (Susi)

ABOLGHASEMI Mahdi (S)  
AFSAR Zahra (EC)  
AL-SHAKARCHI Shaymaa (S)  
ALGAR Shannon D (S)  
ALMOND Michael D (S)  
ALWAN Aya (S)  
ANSARIZADEH Fatemeh (S)  
AOGO Rosemary A (S)  
ARYAL Nanda R (S)  
ASANJARANI Azam (S)  
AUSTIN Annabelle (S)  
BADZIACHIN Dzmitry (O)  
BAILEY David H (Ret)  
BAILEY Julian (S)  
BHARDWAJ Abhishek (S)  
BHATTACHARYYA Upal (O)  
BOYER Yossi (S)  
BRAHAM Calum (S)  
BRENNEN Gavin (O)  
BUI Hoi T (S)  
BUI Jenny (S)  
BURKE Oscar J (S)  
BUTTLE Nicholas (S)  
BUTTSWORTH Timonthy (S)  
CALVISI Dino (O)  
CARNAFFAN Sean (S)  
CARRISON Jack (S)  
CARTWRIGHT Laura C (S)  
CAVALLO James C N (S)  
CHONG Aaron (S)  
CHOUDHARY Renu (Recip)  
CHOWDHURY Tanzila K (S)  
COOPER Shaun (Recip)  
COUCHMAN Joel R (S)  
COX Alexander J (S)  
CROKE Barry F W (O)  
CROWLEY Diarmuid J (Susit)  
DAL VERME Giulia (S)  
DANIELS George F (S)  
DE SILVA Raven (D)  
DE STERCK Hans (O)  
DILCHER Karl (Recip)  
DIPIERRO Serena (EC)  
DISINGER Nathan (S)  
EITELBERG Linda M (S)  
FEROV Michal (EC)  
FISHER Jody C (S)  
FREEDMAN Saul D (S)  
GALE Nicholas M (S)  
GALLAGE Polwaththa D D (S)  
GILL Gurtek (S)  
KHOR Alexander J (S)  
KLESCH Ferdi (O)  
KLESHNINA Maria (S)  
KOZIC Slaven (O)  
KULARATNE Thilini D (S)  
KUMBHARI Adarsh (S)  
LE Nguyen T T (S)  
LEVITINA Galina (S)  
LI Ming (O)  
LIN Daniel (S)  
LITOBSKARST Stuart L H (Recip)  
LIU Elynor (S)  
LU Jingyue (S)  
LUO Ben B B (S)  
LULLIN Samuel G (O)  
MASSIERER Mike (EC)  
MCCALLUM Thomas A (S)  
MCCARTHY John B (S)  
MENG Fanzi (S)  
MILLER Claire M (S)  
MOEINI Asghar (S)  
MOORE Jack M (S)  
MORONEY Timothy J (O)  
MUNDEY Alexander D (S)  
NOLAN Katelyn G (S)  
O'LEARY Joe (S)  
OGUNLADE Samson T (S)  
OLAOIJU Adeyemi O (O)  
OLSEN-KETTLE Louise O (O)  
PAUWELS Bregje (EC)  
PINHEIRO Marcia R (O)  
PRICE Christopher J (O)  
RAJAGOPAL Vijay (O)  
RAVEENDRAN Nishanthi (S)  
RAYMOND Christopher (S)  
REZA SM Rajibur (S)  
RIEGER Janosch (O)  
ROSA Kyle S (S)  
ROZENDAAL Jan (O)  
SAMUELSON Aviva (S)  
SCHICKER Thomas T (S)  
SCHINDLER Tanja (EC)  
SHEN Yilbing (S)  
SHYLAYA Devika (S)  
SINGH Shonal (S)  
STEVENSON Daniel C (O)  
SUJUKOV Arthur G (S)  
TATE Dominic (S)  
TRAN Xuan C (O)  
TU Van H (S)  
UR REHMAN Attique (RR)
GORADIA Harsh (S)  
GRAY Charles T (S)  
GUJARATI Kajal N (EC)  
GUO Hao (S)  
HALLAM Michael A (S)  
HILL Dilshare (O)  
HINDLE Thomas J (S)  
HOANG Vy (S)  
HODGKINSON Liam S (S)  
HOWARD Beau (S)  
HUANG Jinghao (S)  
HUANG Zhenxi (S)  
IQBAL Azhar (RR)  
JOHNSTON Emma T (S)  
KAHLON Arwin S (S)  
KAWASETSU Kazuya (EC)  
KERSCHL Alexander F (S)  

VAN WYK Daniel W (RR)  
VASKOVYCH Volodymyr (S)  
VILONEN Karl (O)  
VINO Thiripura (S)  
WILLIAMSON Guthrie J (O)  
WONG Thomas (EC)  
WOODCOCK Stephen (O)  
WORMELL John P (S)  
WORALL John (S)  
XU Yan (S)  
XUE Ting (O)  
YATES Luke (S)  
YAU Kam Hung (S)  
YOUNG Samuel J (S)  
ZHOU Maolin (EC)  
ZUMALACARREGUL PEREZ Ana (EC)  

MEMBERS WHO PASSED AWAY: 4  
BORWEIN Jonathan M  
BRYCE Bob A  
CROSS James M  
EDESON Margaret J  

MEMBERS WHO CANCELLED THEIR MEMBERSHIP TOTAL: 18  
BAKER Christopher  
BULUT Aynur  
CHALKER Kirsty A  
COX Alexander J  
ELCI Eren M  
JARVIS David A  
O’BRIEN Simon J  
PFEIFER Robert N C  
POPIEL Tomasz  
POWER Anthony J  
SHAUSAN Aminath  
SIMMS Peter D  
STREBENAC DARIO  
TALBOT Kyle S  
TOMSKOVA Anna  
TRAN Minh C  
TRESKATIS Timm  
ZAIDI Atiya T H  

DEEMED RESIGNED MEMBERS TOTAL: 43  
(Membership status can be resumed by payment of outstanding fees)  
AARAO Jorge  
ALEXANDER Tristram  
ANTIC Alex  
BAKER Karen A M  
BARTNIK Robert  
BEDINI Andrea  
CHAN Yao-Ban  
CHEN Mike  
CLARK Lisa O  
DODDRIDGE Edward  
DYSKIN Arcady V  
FEWSTER-YOUNG Nicholas J  
GILMORE James  
HAJDA Sandra  
HARLEY Kristen  
LARSON Jay W  
LORD Steven G  
MANI Arun P  
MARCHIORI Dean  
MARIA Clement  
NGUYEN HUY T  
NIVEN B S  
NOAKES J LYLE  
NUR Darfiana  
O’KEEFFE Lisa  
PATEL John  
PILCH Konrad K  
PUDNIKS Kurt M  
RILEY Geoff W  
SA NGIAMSUNTHORN Parinya  
SALMERON Raquel  
SUTHERLAND Duncan A  
TARNOPOLSKAYA Tanya  
TEHSEEN Naghmana  
TOGNETTI Keith P  
TRITSCHER Peter  
WALSH Darragh M  
WHEAT Mitchell  
WITTE Nicholas S  
WOODHOUSE Francis G  
WOOLCOTT Geoff  
YU Shona H
DEEMED RESIGNED STUDENT MEMBERS TOTAL: 65

AHMAD Rashid
ALHARBI Fahad M
AUCHETTL Rebecca N
BANIASADI Pouya
BOWMAN David J
BRAUNSTEINS Peter T
BUCKLEY Mitchell A
BUNDEER Rachel P
CATT Elliot
CHAKRABORTY Arpita
CHALMERS Alexander D
CHAN Joseph Y C
COLLIS Jesse F
CONWAY Eamon J
COOPER Matthew K
DAVIS Frank W
DIAZ David
DRUMMOND Carson
DUDEK Adrian W
EDIE-MICHELL Cael J
ELVEY PRICE Andrew T
FAN Chenxi
FOSTER Kylie
FRANKLIN David
FRYER Daniel P
GOSAI Dhruvisha M
GREENWOOD Ava A
HALL Jonathan M M
HAN Jingya
HARRISON John J L W
HOQUE Mohammad M
ISMAIL Shahrina
KRISHNAN Mythreye

KUHN Julia
LEE Melissa
LIM Khey J
MAHER Damian R
MANIC Ludmila
MCANDREW Augus W
MCLENNAN Liam A
MEEK Egan A
MENDAN Stacey
MISEREN Grace O
NDII Mekelanis
NOLAN Matthew
NUGENT Jeremy W
OGILVIE Ross B
PATCH Brendan
PAVLYESHYN Damian T
PHAM Khanh G
PULLEN Ainsley M
RAHMAN Md Habibur
RAO Guang
REYNOLDS Katrina
SALEH Manel M
SHAFIE Sabarina B
SHELLEY Jack E
SHIRAZI-MANESH Mojdeh
SNADDEN John A
SUNARKO Budi
TABET Paul J
YAN Hongxuan
YANG Tianyu Tim
ZAITOUNY Ayham
ZHU Houying

NEW ACCREDITATIONS:

New Fellows (F AustMS): 4
DE GIER Jan
FROYLAND Gary

New Accredited Members (MAustMS): 2
LOSADA-PEREZ Julio
LI Ming

New Graduate Member (GAustMS): 1
AGUSTIN Micah N

TOTAL ACCREDITATION LIST:
Fellows: 151
Accredited: 41
Graduate: 15
FINANCIAL MEMBERS OF THE SOCIETY (UP TO 30th SEPT 2017):

<table>
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<th>Membership Type</th>
<th>Year 2017</th>
<th>Year 2016</th>
<th>Change</th>
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<td>5</td>
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<td>TOTAL:</td>
<td>1219</td>
<td>1210</td>
<td>9</td>
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</table>

ANZIAM: 534 528 6
ANZAMP: 191 174 17

Sustaining members: Dr Diamuid J CROWLEY, Prof Nalini JOSHI, Dr Benjamin E ODGERS
Dr Todd A OLIynyk & Dr Ilknur TULUNAY

As at 30 Sept 2017, 252 members (including the listed 44 deemed resigned members and 65 deemed resigned Student members) have not renewed their 2017 membership.
2. **2017 Subscriptions and Journal Prices to Members**

The 60th Annual General Meeting, held at the Australian National University, endorsed the decisions of Council and the Australian Mathematical Publishing Association Incorporated that the subscriptions and journal prices to members for 2017 be as follows:

- Ordinary Member – $138
- Reciprocal Member – $69
- Retired Member – $35
- Education Member – $69
- EC Member – $69
- Life Membership at Retirement for Members over 55 years – $690

Subscription for an Institutional Member: $1,859.

**Note**

1. Existing Ordinary Members who renewed their subscriptions before 1st January 2017 were entitled to a rebate of $5.00, deducted from their payments.

2. Members were permitted to pay for up to three years in advance, at the current rate of membership.

3. Free membership of the Society was available to any honours or graduate student in mathematics, statistics, computer science, physics or mathematical finance, enrolled at an Australian institution. Such membership was available for 6 years of study, subject to annual confirmation of eligibility by the student.

4. Free membership of the Society was available to an undergraduate student of mathematics enrolled at an Australian institution. Such membership was available for 4 years of study, subject to annual confirmation of eligibility by the student.

5. All new Ordinary Members were entitled to pay their first year’s subscription at the concession rate of $69 (no rebate).

<table>
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<tr>
<th>Membership Type</th>
<th>Resident in Australia</th>
<th>Resident overseas</th>
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<td>Ordinary, Sustaining, Education &amp; Reciprocal Members</td>
<td>$113.30</td>
<td>$103</td>
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<tr>
<td>Reduced Rate, Retired Members &amp; Life Members</td>
<td>$56.65</td>
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</table>

**J. Australian Mathematical Society**

- Resident in Australia: $113.30
- Resident overseas: $103

**ANZIAM Journal**

- Resident in Australia: $96.80
- Resident overseas: $88

**Bulletin**

- Resident in Australia: $107.80
- Resident overseas: $98

**Gazette**

Free to members paying a subscription.
3. **The Australian Mathematical Society Medal**

In 2016 the Australian Mathematical Society Medal was awarded to Professor A.D. Sims.

The 2017 AustMS Medal Committee consists of:

- Professor P.J. Forrester *(Chair)*;
- Professor P.G. Bouwknegt *(Outgoing Chair)*;
- Dr C. O’Keefe *(Incoming Chair)*;
- Professor A. Henderson *(1 year term)*.

4. **The George Szekeres Medal**

In 2016 the George Szekeres Medal, which is awarded in even years, was awarded to Professor J.M. Hill and Professor G.I. Lehrer.

5. **The Gavin Brown Prize**

In 2016 the Gavin Brown Prize was awarded to Professor G.A. Willis for his paper with Yehuda Shalom *Commensurated subgroups of arithmetic groups, totally disconnected groups and adelic rigidity*, Geom. Funct. Anal. 23 (2013), no. 5, 1631-1683.

The 2017 Gavin Brown Prize Committee consists of:

- Professor J. Ramagge *(Chair)*;
- Professor J.F. Grotowski *(Outgoing Chair)*;
- Professor S.O. Warnaar *(Incoming Chair)*;
- Professor P. Solomon *(Member, one yr.)*.

6. **The B.H. Neumann Prize**

The 2016 prize was awarded to Hao Guo (University of Adelaide) for the talk *Spin-c, K-homology and Proper Actions*.

Also special commendations went to:

Anthony Carapetis (Australian National University), Sean Carnaffan (University of Sydney), Scott Lindstrom (University of Newcastle) and Trang Thi Thien Nguyen (University of South Australia).

7. **The Mahler Lecturer**

The 2016-2019 Mahler Lecturer Committee consists of:

- Dr A.E. Ghitza *(Chair)*;
- Assoc. Prof. M.G. Jackson *(Outgoing Chair)*;
- Assoc. Prof. T. Trudgian *(Incoming Chair)*;
- Professor V. Gaitsgory *(Vice-President (Ann Conf))*;
- Professor I.M. Wanless* *(Director 2019 Annual Conference)*.

* Subject to confirmation by the 2017 AGM.

8. **The Alf van der Poorten Travelling Fellowship**

In 2017 the Alf van der Poorten Travelling Fellowship was awarded to Dr Joshua Howie of Monash University.

The 2017 Selection Committee consisted of:

- Professor S.A. Morris *(Chair)*;
- Assoc. Prof. J. Purcell *(Incoming Chair)*;
- Assoc. Prof. D.A. Pask *(Outgoing Chair)*.
9. **Lift-off Fellowships**

Australian Mathematical Society Lift-off Fellowships have been awarded in 2016-2017 to

Dr Ravindra Pethiyagoda (Queensland University of Technology)
Dr Ioannis Tsartsaflis (La Trobe University)
Dr Alexandra Hogan (Australian National University)
Dr Alexander Campbell (Macquarie University)
Dr Adrian Paul Grantham (University of South Australia)
Dr Sangeeta Bhatia (Western Sydney University)
Dr Joshua Ching (University of Sydney)
Dr Joachim Worthington (University of Sydney)
Dr Jason Michael Whyte (University of Melbourne)
Dr Zeinab Haji Abolhasani (University of South Australia)
Dr Ting-Ying Chang (University of Sydney)
Dr Stuart Johnston (Queensland University of Technology).

The 2016-17 Selection Committee consisted of:

Professor S.A. Morris (*Chair*); Assoc. Prof. J. Purcell (*Incoming Chair*);
Assoc. Prof. D.A. Pask (*Outgoing Chair*).

10. **Sixty-second Annual Meeting**

The sixty-second Annual Meeting of the Society will be held from Tuesday 4th December to Friday 7th December 2018 at the University of Adelaide with Dr T. Leistner as Director.

11. **Reciprocity Agreements**

During the year the Society concluded a reciprocity agreement with the Japanese Society for Industrial and Applied Mathematics. It currently operates reciprocity agreements with the following societies:

American Mathematical Society  Mathematical Society of Brunei Darussalam
Calcutta Mathematical Society  New Zealand Mathematical Society
Canadian Mathematical Society  Singapore Mathematical Society
Czech Mathematical Society (CMS) and Union of Czech Math’ns and Physicists (JCMF)
Deutsche Mathematiker Vereinigung  Sociedad Matemática Mexicana
Edinburgh Mathematical Society  Société Mathématique de Belgique
European Mathematical Society  Société Mathématique de France
Gesellschaft für Angewandte etc.  Société Mathématique Suisse
Glasgow Mathematical Association  Southeast ASian Mathematical Society
Hong Kong Mathematical Society  Suomen Matemaattinen Yhdistys
Indian Mathematical Society  Svenska Matematikersamfundet
Indonesian Mathematical Society  Islenzka Staerdfraedafelagid
Unión Matemática Argentina  Korean Mathematical Society
Unione Matematica Italiana  London Mathematical Society
Wiskundig Genootschap  Malaysian Mathematical Society
Mathematical Society of Japan  Real Sociedad Matemática Española
Pakistan Mathematical Society  Slovak Mathematical Society
Society for Industrial and Applied Mathematics (SIAM)  
Japanese Society for Industrial and Applied Mathematics (JSIAM)
12. Council Members for the session 2016/2017

The elected Members of Council for this past session, 2016–2017, were:

- President: K.A. Smith-Miles
- Immediate-past-President: T.R. Marchant
- Elected Vice-President: J.A.G. Roberts
- Secretary: P.J. Stacey
- Treasurer: A. Howe

The ex officio members of Council for the 2015–16 session were:

- Vice-President (Chair ANZIAM): M.R. Myerscough
- Vice-President (Chair ANZAMP): T.M. Garoni
- Vice-President (Annual Conferences): V. Gaitsgory
- AustMS Member elected to Steering Committee: P.J. Forrester
- Representative of ANZIAM: J. Piantadosi
- Representative of ANZAMP: V. Mangazeev
- Chair, Standing Committee on Maths Education: B.I. Loch
- Public Officer of both AustMS and AMPAI: P.J. Cossey
- Editors:
  - Gazette: S.A. Morris/ D.T. Yost
  - Journal of AustMS: G.A. Willis
  - ANZIAM Journal: A.P. Bassom/ G. Hocking
  - Electronic Editor: A.J. Roberts
  - Bulletin: J.H. Loxton
  - Lecture Series: J. Ramagge
  - Electronic Site: R.R. Moore

13. Electronic mailing list

The email list is used to send messages likely to be of general interest to members. To request that a message be sent to the list, please email secretary@austms.org.au.

If you are a member of AustMS, are not receiving any email announcements from the Society and wish to do so, please send your email address to secretary@austms.org.au.

14. Honours to members and friends of the Society

During the last session it has been a pleasure to congratulate the following members or friends of the Society.

- Dr F.R. de Hoog on winning the Hannan Medal of the Australian Academy of Science,
- Associate Professor J. Ross on winning the Moran Medal of the Australian Academy of Science,
- Professor R. Williams on being awarded the 2016 John von Neumann Theory Prize,
- Professor N. Wormald on election as a Fellow of the Australian Academy of Science,
- Professor M. Varghese on being awarded an Australian Laureate Fellowship,
- Professor G.A. Willis on being awarded an Australian Laureate Fellowship,
- Professor F. Sukochev on being awarded an Australian Laureate Fellowship,
- Dr S. Calabretto on being selected for the ABC National Top 5 under 40 program.

\[\text{The Secretary and Treasurer are appointed by Council for each session.}\]
15. Deaths of members and friends of the Society

It was with great regret that since my last report I informed members of the deaths of Dr R.A. Bryce, Dr J.M. Cross, Professor A.P. Street and Dr W. Robertson.

16. Acknowledgements and thanks

I am grateful for the help I have received throughout the year from the President, Kate Smith-Miles, the Treasurer, Algy Howe, the editor of the electronic site, Ross Moore, and all the other editors and officers of the Society. The Secretary gets a chance to glimpse the huge amount of work they all do for the Society, for which all members should be grateful.

I also thank May Truong and the other members of the Society’s Business Office for their help throughout the year.

Peter Stacey
November 2017

Department of Mathematics and Statistics
La Trobe University
Vic 3086
EMAIL: secretary@austms.org.au
Treasurer's Report for 1st August 2016 – 31st July 2017

In the past financial year the Society has provided:

$48,628 AMSI Annual Contribution for 2016 and 2017
$16,000 AMSI 2017 Summer School
$8,000 Effective Learning in the Qualitative Disciplines
$11,527 travel grants for 27 students to attend the 2016 AustMS AGM
$5,268 for EC workshop
$1,000 for B H Neumann prize
$12,000 for 2017 AustMS AGM seeding money + plenary speakers expenses at Macquarie University
$37,000 for 11 Lift Off fellowships
$24,522 for 12 Special Interest Meetings
$3,000 for Math Olympiad 2015 and 2016
$2,850 for Heidelberg Laureate Forum travel grants (half share with AMSI)
$3,017 for 2 attendees to Science Meets Parliament
$8,289 Cheryl E Praeger Travel Awards

Our accounts show that AustMS provided $146,100 in grants for the financial year. AMSI reimbursed AustMS $13,600 for jointly funded ventures.

Grant Moneys Returned for the 2015 and 2016 AustMS AGMs: $32,500.

At the end of December 2016, the JAustMS paid subscription numbers stood at 309, of which 143 institutions paid via their parent consortium. In addition a further 2,489 institutions also got online access via consortia. The total profit to AustMS, for the JAustMS, was £85,926, which is an increase of 1.8% on the previous year.

At the end of December 2016, the Bulletin paid subscription numbers stood at 270, of which 124 institutions paid via their parent consortium. In addition a further 2,506 institutions also got online access via consortia. The total profit to AustMS, for the Bulletin, was £62,704, which is an increase of 8.1% on the previous year.

At the end of December 2016, the ANZIAM J paid subscription numbers stood at 164, of which 95 institutions paid via their parent consortium. In addition a further 2,534 institutions also got online access via consortia. The total profit to AustMS, for the ANZIAM J was £38,305, which is a decrease of 4.6% on the previous year.
Over the years, there has been a steady annual decrease in direct subscriptions, i.e., those in which one of our journals is specifically requested. However, up until now, this has been countered by annual increases in indirect subscriptions, where our journals are included in consortia. This year, there has been a significant decrease in consortia subscriptions for all of our journals.

The Office has again been very well run by May Truong, and Michael Foo.

For the period 1st August 2016 – 31st July 2017 the audited financial statements show that our total receipts were $131,491 and the total payout was $190,032 giving an operating loss of ($58,541). The receipts include money collected for ANZIAM, ANZAMP, SIG’s but not for AMPAI.

It is well known that AMPAI pays for much of the expenses of the Society. The full production costs for the Gazette, paid by AMPAI, was $39,540.

This financial year AMPAI made a profit of $63,860. Taking into account the fact that the Society made a loss of ($58,541), we see that the combined profit of the Society and AMPAI, over this financial year, is $5,319.

The Society’s income was made up from:

- **Total subscriptions from Members**: $113,143
  (including ANZIAM, ANZAMP, SIGs and accreditations)
- **Reimbursements and grants returned**: $46,100
- **Interest income**: $20,465
- **Copyright royalties**: $1,082
- **Counting Australia In**: $70

The payments were:

- **Officers expenses**: $10,500
- **Grants (including subventions)**: $165,037
- **Bank, credit card and eway fees**: $3,169
- **Storage of journals**: $1,380
- **Insurance/Indemnity Insurance**: $3,003
Postage $1,523
Pitman Interest $57
Computer database $900

**Special Interest Groups**

**ANZIAM** $21,438
(subscriptions $9,810, subvention $11,628)

**ANZAMP** $5,950
(subscriptions $2,434, subvention $3,516)

**Applied Probability SIG** $870
(subscriptions $275, subvention $595)

**Mathematics Education SIG**
($887 collected in subscriptions, but Math Ed SIG has no bank account for deposition)

**Math of Computation & Optimization SIG** $1,319
(subscriptions $437, subvention $882)

**Number Theory Down Under SIG** $964
(subscriptions $313, subventions $651)

**Australian Algebra Group** $1,336
(subscriptions $389, subvention $947)

**WIMSIG (including Cheryl Praeger travel awards)** $9,031

Total paid up membership at 31st July 2017 was 861 (non-financial members are not included).

<table>
<thead>
<tr>
<th>Category</th>
<th>July 2017</th>
<th>July 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellows</td>
<td>150</td>
<td>143</td>
</tr>
<tr>
<td>Graduate Members</td>
<td>15</td>
<td>14</td>
</tr>
<tr>
<td>Accredited Members</td>
<td>39</td>
<td>38</td>
</tr>
<tr>
<td>Ordinary Members</td>
<td>544</td>
<td>533</td>
</tr>
<tr>
<td>Reduced rate Members</td>
<td>30</td>
<td>22</td>
</tr>
<tr>
<td>Student Members</td>
<td>185</td>
<td>177</td>
</tr>
<tr>
<td>Early Career Members</td>
<td>87</td>
<td>84</td>
</tr>
</tbody>
</table>
Reciprocal Members 30 30
Education Members 10 11
Non-financial Members 35 35
(officials from other societies)
Honorary Members 27 26
Free Members 73 67
Life Members 62 63
Retired Members 90 84
Deceased Members 4 6
Resigned Members 18 31
Deemed Resigned Members 110 102
New Members 135 167

Institutional Member
Mathematical Sciences Institute
Australian National University,
Department of Mathematics
La Trobe University,
AMSI

Sustaining Member
Prof Nalini Joshi
Dr Benjamin Odgers
Dr Todd Oliynyk
Dr Ilknur Tulinay
Dr Diarmuid J Crowley

Divisions and Special Interest Groups

<table>
<thead>
<tr>
<th>Division</th>
<th>Financial Members 2017</th>
<th>Student Members 2017</th>
<th>Total 2017</th>
<th>Total 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANZIAM</td>
<td>396</td>
<td>117</td>
<td>513</td>
<td>578</td>
</tr>
<tr>
<td>ANZAMP</td>
<td>120</td>
<td>58</td>
<td>178</td>
<td>207</td>
</tr>
<tr>
<td>Applied Probability SIG</td>
<td>20</td>
<td>37</td>
<td>57</td>
<td>54</td>
</tr>
<tr>
<td>Mathematics Education SIG</td>
<td>64</td>
<td>46</td>
<td>110</td>
<td>122</td>
</tr>
<tr>
<td>Mathematics of Computation and Optimization SIG</td>
<td>37</td>
<td>45</td>
<td>82</td>
<td>86</td>
</tr>
<tr>
<td>Division</td>
<td>Financial Members</td>
<td>Student Members</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------</td>
<td>-----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number Theory Down Under SIG</td>
<td>28</td>
<td>53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australia Algebra Group SIG</td>
<td>36</td>
<td>68</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women in Mathematics SIG</td>
<td>150</td>
<td>217</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Free to join)

The numbers of Financial Members in all Divisions and Special Interest Groups have declined by amounts varying between 16% and 36%. However the number of Student Members has increased by amounts varying between 9% and 61%.

Algy Howe  
Treasurer  
11\textsuperscript{th} October 2017
Contents

Committee's Report 3
Income and Expenditure Statement 5
Detailed Balance Sheet 6
Notes to the Financial Statements 8
Statement by Members of the Committee 9
Independent Auditor's Report to the Members 10
Your committee members submit the financial accounts of the Australian Mathematical Society for
the financial year ended 31 July 2017.

Committee Members
The names of committee members at the date of this report are:

Kate A Smith-Miles, FAustMS
Algy Howe, FAustMS
John A G Roberts
Tim R Marchant, FAustMS
Peter J Stacey, FAustMS
Nigel G Bean
Alice Devillers
Diane M Donovan
Andrew P Bassom
Joan E Licata
Anne Thomas
Jan De Gier, MAustMS
Harvinder S Sidhu
Aidan Sims
Mary R Myerscough
Vladimir Gaitsgory
Birgit I Loch
Tim M Garoni
Julia Piantadosi
P John Cossey
Peter J Forrester
Vladimir V Mangazeev
Sidney A Morris, FAustMS
David T Yost
George A Willis
Andrew P Bassom
Graeme Hocking
Anthony J Roberts
John H Loxton
Jacqui Ramagge
Ross R Moore

Principal Activities
The principal activities of the association during the financial year were: .

Significant Changes

The accompanying notes form part of these financial statements.
Australian Mathematical Society
Committee’s Report
For the year ended 31 July 2017

No significant change in the nature of these activities occurred during the year.

Operating Result

The deficit from ordinary activities after providing for income tax amounted to

<table>
<thead>
<tr>
<th></th>
<th>Year ended</th>
<th>Year ended</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>31 July 2017</td>
<td>31 July 2016</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>(58,541)</td>
<td>(63,436)</td>
</tr>
</tbody>
</table>

Signed in accordance with a resolution of the Members of the Committee on:

_________________________________________________
Kate A Smith-Miles, FAustMS

_________________________________________________
Algy Howe, FAustMS

The accompanying notes form part of these financial statements.
Australian Mathematical Society  
Income and Expenditure Statement  
For the year ended 31 July 2017

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Income</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subscriptions</td>
<td>108,404</td>
<td>102,397</td>
</tr>
<tr>
<td>Interest received</td>
<td>20,465</td>
<td>18,412</td>
</tr>
<tr>
<td>Other income</td>
<td>2,623</td>
<td>2,915</td>
</tr>
<tr>
<td><strong>Total income</strong></td>
<td>131,492</td>
<td>123,724</td>
</tr>
</tbody>
</table>

| **Expenses**   |          |          |
| Officers Expenses | 10,500  | 4,881    |
| Total Grants    | 132,597  | 160,915  |
| AMSI expense    | 38,335   | 11,000   |
| Bank Fees And Charges | 30  | 30  |
| Commission      | 1,992    | 2,156    |
| Fees & charges  | 1,177    | 289      |
| Insurance       | 1,789    | 3,021    |
| Pitman bequest interest | 57  | 69  |
| Purchase of surplus journals AMPAI | 39  | 14  |
| Postage         | 1,524    | 2,350    |
| Repairs & maintenance | 900 | 785 |
| Storage         | 862      | 1,380    |
| Sundry expenses | 231      | 269      |
| **Total expenses** | 190,033 | 187,160 |

**Profit (loss) from ordinary activities before income tax**  
(58,541)  
(63,436)

Income tax revenue relating to ordinary activities

**Net profit (loss) attributable to the association**  
(58,541)  
(63,436)

**Total changes in equity of the association**  
(58,541)  
(63,436)

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening retained profits</td>
<td>310,562</td>
<td>373,998</td>
</tr>
<tr>
<td>Net profit (loss) attributable to the association</td>
<td>(58,541)</td>
<td>(63,436)</td>
</tr>
<tr>
<td><strong>Closing retained profits</strong></td>
<td>252,021</td>
<td>310,562</td>
</tr>
</tbody>
</table>

The accompanying notes form part of these financial statements.
### Detailed Balance Sheet as at 31 July 2017

#### Note 2017 2016

<table>
<thead>
<tr>
<th>Note</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

#### Current Assets

**Cash Assets**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash At Bank - CBA Current A/C</td>
<td>25,337</td>
<td>34,272</td>
</tr>
<tr>
<td>CBA Security Investment A/C</td>
<td>104,147</td>
<td>182,784</td>
</tr>
<tr>
<td>Term Deposit #2476</td>
<td>473,613</td>
<td>459,726</td>
</tr>
<tr>
<td>Term Deposit #2484</td>
<td>217,514</td>
<td>212,299</td>
</tr>
<tr>
<td><strong>Total Cash Assets</strong></td>
<td><strong>820,611</strong></td>
<td><strong>889,081</strong></td>
</tr>
</tbody>
</table>

**Receivables**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounts Receivable</td>
<td>15,350</td>
<td>14,218</td>
</tr>
<tr>
<td><strong>Total Receivables</strong></td>
<td><strong>15,350</strong></td>
<td><strong>14,218</strong></td>
</tr>
</tbody>
</table>

**Other**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepayments</td>
<td>12,026</td>
<td></td>
</tr>
<tr>
<td>Journals On Hand</td>
<td>58</td>
<td>69</td>
</tr>
<tr>
<td><strong>Total Other</strong></td>
<td><strong>12,084</strong></td>
<td><strong>69</strong></td>
</tr>
</tbody>
</table>

**Total Current Assets**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Current Assets</strong></td>
<td><strong>848,045</strong></td>
<td><strong>903,369</strong></td>
</tr>
</tbody>
</table>

**Total Assets**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Assets</strong></td>
<td><strong>848,045</strong></td>
<td><strong>903,369</strong></td>
</tr>
</tbody>
</table>

#### Current Liabilities

**Other**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscriptions in advance</td>
<td>54,500</td>
<td>51,282</td>
</tr>
<tr>
<td></td>
<td>54,500</td>
<td>51,282</td>
</tr>
</tbody>
</table>

**Total Current Liabilities**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Current Liabilities</strong></td>
<td><strong>54,500</strong></td>
<td><strong>51,282</strong></td>
</tr>
</tbody>
</table>

**Total Liabilities**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Liabilities</strong></td>
<td><strong>54,500</strong></td>
<td><strong>51,282</strong></td>
</tr>
</tbody>
</table>

**Net Assets**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net Assets</strong></td>
<td><strong>793,546</strong></td>
<td><strong>852,086</strong></td>
</tr>
</tbody>
</table>

The accompanying notes form part of these financial statements.
### Members' Funds

**Reserves**

<table>
<thead>
<tr>
<th>Note</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Assets</td>
<td>541,524</td>
<td>541,524</td>
</tr>
<tr>
<td>Accumulated surplus (deficit)</td>
<td>252,021</td>
<td>310,562</td>
</tr>
<tr>
<td><strong>Total Members' Funds</strong></td>
<td><strong>793,546</strong></td>
<td><strong>852,086</strong></td>
</tr>
</tbody>
</table>

The accompanying notes form part of these financial statements.
Note 1: Summary of Significant Accounting Policies

This financial report is a special purpose financial report prepared in order to satisfy the financial reporting requirements of the Associations Incorporations Act of the Australian Capital Territory. The committee has determined that the association is not a reporting entity.

The financial report has been prepared on an accruals basis and is based on historical costs and does not take into account changing money values or, except where specifically stated, current valuations of non-current assets.

The following significant accounting policies, which are consistent with the previous period unless otherwise stated, have been adopted in the preparation of this financial report.

(a) Cash and Cash Equivalents

Cash and cash equivalents include cash on hand, deposits held at call with banks, and other short-term highly liquid investments with original maturities of three months or less.

(b) Revenue and Other Income

Revenue is measured at the fair value of the consideration received or receivable after taking into account any trade discounts and volume rebates allowed. For this purpose, deferred consideration is not discounted to present values when recognising revenue.

Interest revenue is recognised using the effective interest rate method, which for floating rate financial assets is the rate inherent in the instrument. Dividend revenue is recognised when the right to receive a dividend has been established.

Grant and donation income is recognised when the entity obtains control over the funds, which is generally at the time of receipt.

All revenue is stated net of the amount of goods and services tax (GST).

(c) Goods and Services Tax (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Tax Office. In these circumstances, the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the assets and liabilities statement are shown inclusive of GST.
The Committee has determined that the association is not a reporting entity and that this special purpose financial report should be prepared in accordance with the accounting policies outlined in Note 1 to the financial statements.

In the opinion of the Committee the Income and Expenditure Statement, Statement of Financial Position, and Notes to the Financial Statements:

1. Presents fairly the financial position of Australian Mathematical Society as at 31 July 2017 and its performance for the year ended on that date.

2. At the date of this statement, there are reasonable grounds to believe that the association will be able to pay its debts as and when they fall due.

This statement is made in accordance with a resolution of the Committee and is signed for and on behalf of the Committee by:

_________________________________________________
Kate A Smith-Miles, FAustMS
President

_________________________________________________
Algy Howe, FAustMS
Treasurer

The accompanying notes form part of these financial statements.

Opinion

We have audited the financial report of Australian Mathematical Society (the association), which comprises the Statement by Members of the Committee, Income and Expenditure Statement, Balance Sheet as at 31 July 2017, a summary of significant accounting policies and the certification by members of the committee on the annual statements giving a true and fair view of the financial position and performance of the association.

In our opinion, the accompanying financial report presents fairly, in all material respects, the financial position of the association as at 31 July 2017 and [of] its financial performance for the year then ended in accordance with the accounting policies described in Note 1 to the financial statements and the requirements of the Associations Incorporation Act 1991.

Basis for Opinion

We conducted our audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the Auditor’s Responsibilities for the Audit of the Financial Report section of our report. We are independent of the association in accordance with the ethical requirements of the Accounting Professional and Ethical Standards Board’s APES 110 Code of Ethics for Professional Accountants (the Code) that are relevant to our audit of the financial report in Australia. We have also fulfilled our ethical responsibilities in accordance with the Code.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of Matter – Basis of Accounting

We draw attention to Note 1 to the financial report, which describes the basis of accounting. The financial report has been prepared to assist the association to meet the requirements of Associations Incorporation Act 1991. As a result, the financial report may not be suitable for another purpose. Our opinion is not modified in respect of this matter.

Responsibilities of the Committee for the Financial Report

The committee is responsible for the preparation and fair presentation of the financial report in accordance with the financial reporting requirements of the Associations Incorporation Act 1991 and for such internal control as the committee determines is necessary to enable the preparation and fair presentation of a financial report that is free from material misstatement, whether due to fraud or error.

In preparing the financial report, the committee is responsible for assessing the association’s ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the committee either intends to liquidate the association or to cease operations, or has no realistic alternative but to do so.
Auditor’s Responsibilities for the Audit of the Financial Report

Our objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial report.

As part of an audit in accordance with Australian Auditing Standards, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial report, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the association’s internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the committee.

- Conclude on the appropriateness of the committee’s use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the association’s ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor’s report to the related disclosures in the financial report or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor’s report. However, future events or conditions may cause the association to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial report, including the disclosures, and whether the financial report represents the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the committee regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Signed on 4 October, 2017:

___________________________________________________
James Daniels, CPA
Federation Tax & Accounting
116 Crawford Street Queanbeyan NSW 2620
2016–2017 EDITORS’ REPORT to COUNCIL
(Prepared with the assistance of JD Borwein)

Summary: The untimely death of Editor Jonathan Borwein is an enormous loss to the Journal. Owing to his direction and expertise since 2012, the Journal is in such a sound position that issues are appearing in hard copy on schedule, there is a sufficient supply of accepted articles to fill over seven standard size issues, and the median time for online presence is 5 months.

I. Editorial arrangements

George Willis (University of Newcastle) has been Editor since July 2012. This report covers the period of July 2016 up to 1 September 2017. The editorial team has been altered during the reporting year and is now as follows:

<table>
<thead>
<tr>
<th>B. Alspach</th>
<th>M. Giudici</th>
<th>W. Moors</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. M. Batten</td>
<td>A. Henderson</td>
<td>M. K. Murray</td>
</tr>
<tr>
<td>D. Chan</td>
<td>V. Jeyakumar</td>
<td>I. E. Shparlinski</td>
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<td>M. Coons</td>
<td>F. Larusson</td>
<td>A. Sims</td>
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<tr>
<td>J. East</td>
<td>B. Martin</td>
<td>V. T. Stefanov</td>
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<tr>
<td>B. J. Gardner</td>
<td>C. Meaney</td>
<td>T. Tao</td>
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</table>

The changes were made in order to replace departing editors and to better cover the subjects of papers being submitted. The rate of success with referees seems to be good as most papers are returned with careful reports in timely fashion. Thanks are due to our Associate Editors past and present for their unstinting efforts.

A commemorative volume for Jonathan Borwein is planned. Brailey Sims is chairing the Editorial Committee.

Cambridge University Press manages the publishing in the UK, and Sunrise Setting of Devon handles the typesetting. Printing is done in the United Kingdom at Bell & Bain Ltd., Glasgow. The quality of the product, we think, is excellent.
II. General comments

The Assistant Managing Editor for the Journal of the AustMS is Judith Borwein who can be contacted at jams@austms.org.au.

(a) Cambridge University Press continues to do a very good job of production and distribution of the Journal.

(b) All those involved in the process of producing the Journal deserve our thanks for furthering the dissemination of mathematics. Without their assistance, with the many levels in the editorial process, little would be accomplished. Our Associate Editors deserve special thanks as much effort goes into the grooming of papers that come into their hands.

(c) The Editor culls the submissions each week. In the period from 1 July 2016 to 1 September 2017, out of 334 papers received, the number rejected without refereeing was 175, or 52%. This category includes those papers which should have been sent to a more specialist journal and those which are just not up to the standards of the Journal of the Australian Mathematical Society. Since 1 July 2016, the remaining submissions have gone to an Associate Editor and of these 35 have been accepted for publication: yielding a 10.5% current acceptance rate for submissions. The submitted papers came from 57 countries and the countries with most manuscripts accepted are USA (6), China (3), Japan (3).

(d) JAMS is doing well despite the reduction of grants to education in many countries world wide. The ANZ_JAZ_BAZ Report 2017 produced by CUP shows a decrease of 450 institutional subscriptions from Pakistan and Nepal alone. An increase in price maintained our revenue stream for 2016.

(e) The 2016 Impact Factor for the Journal is .656, an increase over 2015 which was .443. The increase in IF is due to citations. The five year Impact Factor is .537.

(f) Our Mathematical Citation Quotient, measuring citations in Mathematical Journals, is .49 which is a slight increase over 2015.

(g) The total number of articles downloaded and/or seen as homepage views from CUP in 2016 was more than 177,000, including 153,257 full text views, and the accesses in 2017 appear set to exceed this comfortably.

(h) As of June 2013, the copyright forms have been accepted electronically. This simple change has dramatically improved the waiting time from acceptance to being sent to the publisher. Since this change the average elapsed time is .7 of a month or 22 days with the range being from 3 days to 11 1/2 months.
III. Open Access Issues

Journals such as ours and indeed companies like Cambridge University Press rely on our revenue stream for sustainability to continue our service to the Mathematics community. Cambridge has formulated a series of points pertaining to its journals in order to accommodate the push to open source. Their concern revolves around free access to the final published paper or the Version of Record on social sharing sites such as ResearchGate. Cambridge estimates that over 25% of published journal content is shared. This sharing negatively influences the Journal’s counts of online views and downloads, which are used to market the Journal and may be relied on by Universities for hiring, promotion etc.

Please check out the public position of Cambridge at www.cambridge.org/services.open-access-policies/social-sharing

IV. General publication data

The Journal continues to be published in three issues per volume with two volumes per year. Normally there are 144 pages per issue plus 2 index pages in each volume. For example, from July 2016 we published Volume 101 (1 to 3) and in 2017 up to the end of August we published Volume 103 (1). We could if needed expand any given issue.

V. Backlog

The backlog of accepted papers waiting to be processed for publication by Cambridge University Press will fill over 7 issues. We have had to be more stringent in our acceptance of papers as we have a backlog of 112 papers waiting for publication. This represents 1109 pages of accepted material. This is over a year’s output and will make up volumes starting from October 2017, Volume 103.2 to October 2018, Volume 105.2. Our backlog has with great restraint on our part dropped to 7 issues from over 8.
VI. Mean publication delay:

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<tr>
<th>Vol. &amp; Issue by #</th>
<th>Month Journal is in Hard Copy</th>
<th>Mean: Submission → Print</th>
<th>Mean: Submission → Accept</th>
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VII. Online access of the Journal

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<tr>
<th>Year</th>
<th>Abstract Views</th>
<th>ToC Views</th>
<th>PDF Views</th>
<th>Homepage views</th>
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</table>

There is a new accounting method used by Cambridge that amalgamates all but .pdf views into Homepage views.

VIII. Present status of papers submitted to JAustMS

In the period from 1 July 2016 to 30 August 2017 out of 334 papers received, the number rejected without refereeing was 175. These 175 papers came from 57 countries. The countries with the most published papers are in order: USA (6), Japan (3), China (3), United Kingdom (2), Brazil (2), France (2), and Germany (2).

<table>
<thead>
<tr>
<th>Countries of Authors</th>
<th>Rejections No Referee</th>
<th>Rejections with Referee</th>
<th>Accepted or Published</th>
<th>In Review</th>
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<tr>
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<td>58</td>
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<tr>
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<td>148</td>
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°Handled by the new Editors from now to 30/06/2015

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<td>Total 16-17</td>
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Report on ANZIAM journal – Aust. MS. 2017

The ANZIAM journal continues to run well and is currently up to date. We hope to be more stringent in accepting papers in the coming year.

In the year 2016 and early 2017 there were around 206 submissions to the e- and paper journal (compared to 179 in 2015) and 70 made it to peer review – the others were rejected immediately as being unsuitable or of insufficient standard by the Editors (or in some cases the AEs) or are yet to complete the review process.

Of those reviewed, around 35% were accepted. Average review times were about 100 days and time to publication averaged just under one year – although many were published online before that date. Numbers for 2017 are still preliminary and many submitted papers are still in review.

The series of papers by the ANZIAM medallists has slowed due to a tardy response by the medallists. We continue to follow up on this, as we feel this to be an important function of the journal to advertise the high quality of work in Australian Applied Mathematics, and also to raise the impact of the journal. A special double-issue with papers from the ANZIAM special conference in China has appeared. This was not a particularly successful venture, and in future, such issues (related to conferences) should be allowed only after very careful consideration.

A special issue in Mathematical Biology, to be led by Ed Green from the University of Adelaide is ongoing, but is proceeding well with some high quality submissions.

The impact factor has remained fairly stable at 0.9 (44cites/49pubs), ranked 130 out of 255 of journals in applied mathematics (Clarivate Analytics). The 5-year impact factor is above 1 (1.16). Note that a change in IF of 0.05 maps to a movement of 20-30 places on the rankings. The issues with the incorrect data for ANZIAM in SCIMAGO have not been resolved. The move of the ERA process to Clarivate should prove helpful.

This year, Matthew Davison (U. Western Ontario) and Oscar Tian (Monash) have joined the editorial board to further cover the plethora of financial mathematics papers that continue to be submitted.

Our relationship with CUP continues to be strong. Kathleen Too has been filling in for Samira Ceccarelli in her position of overseeing the ANZIAM Journal. CUP has introduced a new platform this year. This seems to be running smoothly so far. CUP continues to provide marketing support for the journals and keep us up to date with progress in the journal usage.

Finally, a decision was made to bring the journal into line with the others in the AustMS stable and have one volume per calendar year. This will begin in 2019.

We would also like to express our thanks to the Associate Editors, the Copy-editors, CUP and all of the reviewers who have contributed this year. In particular, Nandita Rath should be singled out for her excellent work that has again allowed the journal to run smoothly.

Andrew Bassom and Graeme Hocking
Co-Editors (ANZIAM Journal)
9 November, 2017
This report covers the period from 1 October 2016 to 30 September 2017.

All editorial work for the Bulletin is now handled electronically. Papers are received through the Open Journal System (OJS). Subsequent emailing between authors, Sunrise Setting Ltd (typesetters for Cambridge University Press) and me and Brian Ackerman, Editorial Assistant, is mostly carried out using the Bulletin’s Gmail account, editor@bulletin.austms.org.au. Files are maintained using Dropbox cloud storage. Brian’s support is invaluable in maintaining all the folders stored on Dropbox, tracking papers through the system (including reminding me of tardy referees and authors) and updating statistics in preparation for the annual reports. Brian also has the major responsibility for checking the return of copyright transfer agreements and maintaining those agreements. This too is handled electronically, with scanned signed agreements received as pdf files. All this works reliably and almost seamlessly.

The editorial work of the Bulletin is assisted in a major way by the advice of the panel of 20 associate editors and others who are called on to referee papers. The current associate editors are: Bob Anderssen, John Cossey, Brian Davey, Andrew Francis, Jane Gao, Joseph Grotowski, George Ivanov, Owen Jones, Gus Lehrer, Richard Loy, Kevin McAvaney, Michael Murray, Patrick Tuen Wai Ng, James Parkinson, Hyam Rubinstein, Jamie Simpson, Aidan Sims, Brailey Sims, Don Taylor and Timothy Trudgian. Wadim Zudilin resigned as associate editor during the year. I am grateful to them all for their support.

### Table 1: Submission data for this and the previous three years

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<tbody>
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<td>Total submissions</td>
<td>663</td>
<td>781</td>
<td>802</td>
<td>271</td>
<td>761</td>
</tr>
<tr>
<td>Declines</td>
<td>406 (61.2%)</td>
<td>613 (78%)</td>
<td>516 (64.3%)</td>
<td>183 (67.5%)</td>
<td>509 (66.9%)</td>
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<tr>
<td>Withdrawn</td>
<td>16 (2.4%)</td>
<td>12 (1.5%)</td>
<td>14 (1.8%)</td>
<td>4 (1.5%)</td>
<td>6 (0.8%)</td>
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<tr>
<td>Rejected</td>
<td>140 (21.1%)</td>
<td>170 (21.8%)</td>
<td>143 (17.8%)</td>
<td>34 (12.6%)</td>
<td>128 (16.8%)</td>
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<td>Accepted</td>
<td>89 (13.4%)</td>
<td>139 (17.3%)</td>
<td>125 (15.6%)</td>
<td>47 (17.3%)</td>
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<td>Being refereed</td>
<td>42 (6.3%)</td>
<td>23 (2.9%)</td>
<td>21 (2.6%)</td>
<td>33 (10.0%)</td>
<td>10 (1.3%)</td>
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</table>

Table 1 shows the inflow of papers has receded somewhat from the peak of 805 papers per year in 2015/6. The proportion of papers declined has increased a little to 66.9%. These papers are returned to authors following an initial culling by the Editor and with the suggestion that they be sent to another journal. The acceptance and rejection rates seem stable. Previous editors have suggested that we should aim to reach a steady state of having sufficient papers in the system for just two future issues at any time. We currently have material for around 3 issues in the system which is consistent with an 8 month waiting time from receipt of a paper to its publication in an issue of the Bulletin. Papers are only accepted where referees rate them above average, or provide a strong endorsement. The impact factor has risen from 0.483 in 2013 to 0.536 in 2014, 0.566 in 2015 and 0.548 in 2016.

The Bulletin publishes two volumes a year, with each volume consisting of three issues, each of 176 pages. In 2016/7, the Bulletin published volume 94 with 56 research articles and 16 PhD abstracts and volume 95 with 56 research articles and 14 PhD abstracts. For each paper, the Bulletin now includes the date of acceptance, the date of receipt and the date of publication.
online. These have been used to calculate processing times for the papers published in 2015 (volumes 91 and 92, 117 papers) and 2016 (volumes 93 and 94).

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<td>19</td>
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<td>352</td>
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<td>Middle East</td>
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<td>TOTALS</td>
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<td>89</td>
<td>13.4</td>
<td>781</td>
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Table 2: Lag times (R = receipt, A = acceptance, O = online publication, P = paper publication)

The refereeing times in column ‘R to A’ in fact range from one day to 9 months. The average time from receipt of a paper to publication online of under 4 ½ months seems to be the best performance (according to the Backlog of Mathematical Research Journals, Notices of the American Mathematical Society 63(10) (2016), 1194-1199). The average time to publication in paper of around 9 months ranks 11 out of 160 journals listed in the Notices. The improvement in these waiting times in recent years has been helped by the increasing number of PhD abstracts, itself a good thing. This is consistent with the original aim of the Bulletin for rapid processing of papers.

<table>
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<th>Region</th>
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<td>R to A</td>
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Table 3: Acceptance data by region, 2012–2016

Table 3 contains acceptance data by region. Note that the percentages of papers accepted to those received reflect the fact that papers accepted may in fact have been received in the preceding year. So the percentages are a guide only.

The increase in PhD abstracts is pleasing. I contact the supervisors when the success of their students is reported in the Gazette. Around a third of those contacted rapidly lead to successful submissions. I thank the supervisors for passing on my requests.

The Bulletin began to offer the Open Access option for copyright transfer from 1 June 2015. This gives immediate open access to the paper under a Creative Commons license for an upfront fee of $US600. To date, only 3 authors have taken up this option.

It was the Bulletin’s turn in 2017 to recommend the best paper for the Mahony-Neumann-Room Prize for papers published during the period 2011-2016 (volumes 83-94).

I would like to thank Graeme Cohen, previous Editor of the Bulletin, for encouraging me to take on the role of Editor and for his guidance, Brian Ackerman for his patience and attention to detail, the associate editors and all the referees for their expert assessments and the Executive and Officers of the Society for support and encouragement.

John Loxton
Editor
14 October 2017
Sid Morris and David Yost have now completed five years as joint Editors of the Gazette of the Australian Mathematical Society, ably supported by the highly professional Production Editor, Eileen Dallwitz. Of the 24 issues produced since we took over, 22 have appeared online and been sent to the printer within the month for which they were intended. There is no backlog, and we see no cause for concern in the near future.

1. Publication Arrangements

The Gazette is published five times per year, in March, May, July, September and November. An electronic copy of each issue is freely available online, while institutional subscribers receive a printed copy. Fee-paying members may also receive a printed copy, at no extra charge, by indicating this preference at their membership renewal. There is a small but significant number of members, mostly retired, who still rely on receiving a printed copy in a timely manner. The print run is currently 400, the same as last year.

In view of the small number of unsolicited articles appearing in the Gazette, our processes for handling manuscripts remain unchanged. Files are received by email in Microsoft Word or LaTeX format, then posted to Dropbox cloud storage, where all three members of the editorial team have easy access, even while travelling. Organisation of the folders stored on Dropbox makes it easy to track papers through the system. Copyright transfer agreements are handled electronically, via standardised email forms sent to the authors.

The volume of material being handled is not large enough to consider the adoption of an online submission system. Material is published online in pdf format; we are not currently considering the possibility of using an e-book format, but may revisit this issue if the technology improves.

2. Content

The Gazette receives enough material to maintain 5 issues per year of up to 80 pages.

• After a one year hiatus, we are pleased to report the return of the *Puzzle Corner*. Expatriate Australian Peter Higgins of the University of Essex agreed to write a column which began with the March 2017 issue. There is just a single puzzle, with the solution in the next issue, and no prizes.
• Longstanding communications from the President, the Secretary, the AMSI Director and the Chair of the National Committee for the Mathematical Sciences continue to appear in each issue, joined recently by reports from the mathematical institute MATRIX. In addition, we have in the last year published reports from the Australian Algebra Group, the Women in Mathematics Special Interest Group, and ANZIAM. Other Divisions as well as Special Interest Groups of AustMS have an open invitation to contribute updates as they see fit. These Columns keep members abreast of a range of developments.

• Unsolicted technical articles are not an important feature of the Gazette. However we remain open, in principle, to publishing any which are well written and of widespread interest. Nothing submitted in the last year has been considered suitable.

• Solicited technical articles include reports by Lift-off Fellows, and by winners of Student Prizes at Society meetings. These continue to be published steadily.

• The Gazette occasionally publishes invited technical papers. These are to provide brief introductions for non-specialists in particular areas of mathematics or to update members on recent developments in a subject area. We have published no such articles in the last year.

• Unsolicited educational articles are often suitable for publication, and appear as Classroom Notes. Complementing these, we now have a new section called Talking Teaching, edited by Birgit Loch and Sid Morris, addressing teaching and learning issues that university mathematics lecturers face today. The focus is primarily the technologies used to facilitate student learning as well as mathematical software packages. The first two columns were written by Sid and Birgit in the July and September issues; we particularly welcome contributions from others.

• The Gazette performs an important task for members by publicising honours and awards won. Depending on time constraints, these may be simple announcements, or short articles with extended background details.

• An unhappy but important task is to record the deaths of members. These appear in the News section, with longer obituaries in some cases. Since our last report, the Gazette has published obituaries of Joe Gani, Wendy Robertson, Anne Street and Bob Bryce. We also published a tribute to David Widdup, who passed away in 1999.

• The General News focuses on developments in individual departments (including upcoming visitors), and also lists conferences to take place in Australia or otherwise of interest to Society members.
• The Gazette publishes annually about a dozen reports from conferences funded or organised by the Society or AMSI. We also publish reports from mathematical participants to Science meets Parliament, and the Heidelberg Laureate Forum.

• We publish the annual statistics collected by Peter Johnston on Honours and HDR completions.

• The Gazette welcomes book reviews written by Society members, although only 4 have appeared since our last report to Council.

• We continue the agreement to swap advertisements with the American Mathematical Society. The Australian Mathematical Society places one full page ad in the Notices of the American Mathematical Society and the American Mathematical Society places two full page ads in the Gazette. Given the relative circulations, this is a fair arrangement.

• Sid Morris, on a voluntary basis, acts as Administrator for the AustMS Facebook group. News items of interest to members are placed there. The feedback in terms of memberships, likes and reads of the group is good. Other interested appropriate members could be added as Administrators to help enrich the material posted.

Sid Morris and David Yost, Editors
November 2017
Annual Report of Electronic Editor

Prof Tony Roberts

November 3, 2017

• OJS continues to serve article management for ANZIAM, the Bulletin, and some AustMS Awards. Currently we have over 12,560 submissions, rejections and publications tracked in the OJS database.

  Planned to upgrade to OJS version 3.0, early in 2017; however, Hank was otherwise busy, so now plan sometime in the next year.

• A year or so ago I enabled Reader Comments for articles published in OJS. However, in 2017 the comments have been flooded by junk, viagra adverts etc, so I recently disabled the Comments.

• Electronic supplement continues to publish articles for EMAC, CTAC, MISG, general e-articles, and has added MINZ and ANZ-PAMS.

• AustMS subscription to CrossRef has settled down after submitting in 2016 all the past articles. Any publications of the society can now have DOI—ask me.

• Have mostly re-typeset Roger Braddock’s and Neville de Mestre’s history of the Applied Maths Conference and the Division.

• We continue to ask authors to use an ORCID (especially from countries with many common names).

• No progress on Original Software Publication.
1. Editorial Board

Professor Jacqui Ramagge  Editor-in-Chief, University of Sydney
Professor Cheryl Praeger  University of Western Australia
Professor Gary Froyland  University of New South Wales
Professor Michael Murray  University of Adelaide

Heartfelt thanks to Professor Cheryl Praeger for all her hard work as Editor-in-Chief and her continued work and support as Editor. The terms of all members of the Editorial Committee ended on 31 December 2016. Professor Gary Froyland and Professor Michael Murray have accepted the invitation to serve another term as Editors. Professor Phil Broadbridge stepped down from the Editorial Board; we thank Phil for all his contributions over the years. At this stage we feel we have sufficient editorial coverage of the discipline.

As always we are very happy to discuss ideas for new lecture series volumes, and encourage submissions.

2. New publications in and submissions to the Lecture Series.

(a) The monograph by Peter Nikolas entitled ‘Wavelets: A Student Guide’ appeared during the year.

(b) Peter Cameron’s book entitled ‘Notes on counting: an introduction to enumerative combinatorics’, has also been published.

(c) We have accepted a submission from Walter van Assche entitled ‘Orthogonal polynomials and Painlevé equations’. A final draft has been received and we hope it will appear in 2018.

(d) We have another submission under consideration, and we enthusiastically welcome further submissions. All editors are happy to discuss possibilities with potential authors.

3. The Series:

The first book published in the Series appeared in 1985, and there have been 26 books published to date. The most recent volumes were:

**No. 26. Notes on counting: an introduction to enumerative combinatorics**
Peter Cameron
Published June 2017

**No. 25. Wavelets: A Student Guide**
Peter Nickolas
Published January 2017

Professor Jacqui Ramagge
10 November 2017
Web-editor’s Report to the AustMS Council

Ross Moore

November 10, 2017

This report describes some of the activities which have been taking place, involving the AustMS Wiki-based website, during late 2016 and 2017. For the most part it has been “business as usual” in regard to the Society’s website. That is, the ongoing tasks such as ‘Calendar entries’, ‘News’ items and a number of ‘Jobs’ advertisements, have all been produced as the relevant information has become known and available. In all, 59 events are listed in the calendar during the year 2017, with another 11 already listed for 2018.

Quite a few obituary notices were posted in the ‘News’ section, along with links to ‘in memoriam’ pages, elsewhere on the net. Along with announcements from the AUSTMS-LIST list server, there are 24 articles so far, posted as ‘News’ items during 2017.

Citations and photos have been added to most 2016 and 2017 Lift-Off Fellowship awardees; though some are incomplete. Lists of Fellows and other prize-winners are updated, when new information becomes available, and email forwarding is adjusted as the composition of Committees change.

With the many workshops now being run by ‘MATRIχ’, we now keep a permanent link to a page which details the events for the coming year, and ‘Call for Interest’ announcements. This is updated mostly when new material is sent by MATRIχ.

The ANZIAM executive has decided to use fixed email addresses for communication with the President, Treasurer, Secretary, etc. Addresses such as president@anziam.org.au have been available for many years, but fallen into disuse. These are now being resurrected.

Due to a software upgrade, some changes were needed to the Student Support Scheme (SSS) application site. This is now back to working as expected. This was done in time to handle the 2017 AustMS meeting, and the Student Conference preceding it.

The web server now handles TLS 1.2 protocols for electronic funds transfers. This ensures that electronic payments continue securely; e.g., for membership dues and journal subscriptions.

*A. Use of Society logos for Conferences — repeated from previous years.* When the Society has supplied sponsorship funds for a conference, it is normal for our logo to be displayed on publicity materials. Most conference organisers ‘do the right thing’ and contact me requesting a high-resolution logo for printed materials; I then supply also lower-resolution images suitable for use on web-pages, usually adapted slightly for the location where the conference or meeting is to be held.

Nevertheless, some conference organisers still just pick a logo image off a previous conference’s website, thus reusing one that was designed for a different location, or (most likely) not of sufficient resolution for the intended purpose. The result can then be hideous; e.g., ruining an otherwise attractive poster.

Ross Moore
web-editor for AustMS
ANZIAM Report to the AustMS Council 2015/2016

Office Bearers: Mary Myerscough, Chair.
Mark McGuinness, Deputy Chair.
Julia Piantadosi, Secretary.
Peter Johnston, Treasurer.

2017 ANZIAM Conference

The 2017 ANZIAM Conference was held at the The Adelaide Hills Convention Centre, in Hahndorf, South Australia, from 5 to 9 February 2017. The Conference Director was Associate Professor Yvonne Stokes with an organising team drawn from Adelaide University, the University of South Australia and Flinders University. There were more than 200 delegates registered for the Conference. There were 188 contributed talks in total. Of these, 72 were student talks. There were eight plenary talks, which included a presentation from the 2016 ANZIAM Medallist, Dr Frank de Hoog from CSIRO, Canberra and from the 2016 J.H. Michell Medal winner, Assoc Prof Joshua Ross from the University of Adelaide. The Conference Dinner was held at Maximillian’s Restaurant in Verdun.

At the dinner, the 2017 E.O Tuck Medal was awarded to Professor Kate Smith-Miles of Monash University recognizing her outstanding research leadership and contribution to interdisciplinary initiatives, to outreach and to service to the Australian mathematical community. Mrs Helen Tuck, the wife of the late Professor Ernie Tuck, presented Professor Smith-Miles with the medal. The 2017 J.H. Michell Medal was awarded to Dr Alys Clark of the University of Auckland, acknowledging her outstanding research into whole lung and placental circulation and the impact that this research has in clinical medicine. The T.M. Cherry Prize for the best student talk at the Conference was awarded jointly to Ms Claire Miller (The University of Melbourne) and Mr Eric Hester (The University of Sydney). The A.F. Pillow Ph.D. top-up Scholarship was awarded to Ms Jody Fisher of Flinders University. The “Cherry Ripe” prize awarded by the students for the best non-student talk at the Conference was awarded jointly to Dr Christopher Green (QUT).

Women in Mathematics Lunch – ANZIAM 2017:

The Women in Mathematics Special Interest Group held a special lunch on Tuesday at ANZIAM 2017. This event was supported by ANZIAM, the Women in Mathematics Special Interest Group (WIMSIG) of the AustMS, and the Australian Research Council through Nalini Joshi’s Georgina Sweet Australian Laureate Fellowship. The event featured the female invited speakers at ANZIAM 2017: Dr Claire Postlethwaite, Associate Professor Maria Vlasiou and Dr Martine Woolf. It was organized by Gobert Lee, Giang Nguyen and Yvonne Stokes on behalf of the AustMS Women in Mathematics Special Interest Group (WIMSIG).

Japanese Industrial and Applied Mathematics attendees at ANZIAM2017 and signing of reciprocal agreement.

ANZIAM welcomed a delegation of 17 members of JSIAM to the ANZIAM2017 conference. During the conference Professor Shin’ich Oishi, President of JSIAM and Professor Kate Smith-Miles, president of AustMS signed a reciprocal membership agreement between the
two societies. Professor Oishi presented ANZIAM with a painting showing Adelaide landmarks and members of the party who attended the signing. This painting has been entrusted to the School of Mathematical Sciences at the University of Adelaide where it is on display.

MISG Workshops

MISG 2017 was held at the City West campus of the University of South Australia from 13 to 17 February 2017, directed by Dr Peter Pudney. Four industry problems were addressed:
- analysing the lateness of UK passenger trains (TTG Transportation Technology, UK)
- determining the impact of safety cameras on road crashes (Royal Automobile Association (RAA) of South Australia)
- estimating the transonic drag of projectiles (DST Group)
- developing electricity control and pricing mechanisms for micro-grids. (SA Power Networks)

There were about 65 delegates including delegates from Korea, Japan, IK and continental Europe. About a third of the delegates were PhD students.

The 2018 MISG will be held at the University of South Australia from 29 January to 2 February, immediately before the ANZIAM conference.

In 2019 – 2021, the MISG workshops will be held in Melbourne under the Directorship of Professor Kate Smith-Miles.

The third Mathematics in Industry New Zealand (MINZ) was held from 26 to 30 June 2017, at Massey University, Palmerston North, co-directed by Dr Luke Fullard and Dr Richard Brown.

Future ANZIAM Conferences

The ANZIAM Conference in 2018 will be held in Hobart at the Grand Chancellor Hotel, from 4 to 8 February directed by Professor Larry Forbes.

In 2019 the ANZIAM conference will be held in New Zealand at the Rutherford Hotel, Nelson from 3 to 7 February. Co-directors are Dr Mike Plank from the University of Canterbury, and Professor Mark McGuinness from Victoria University of Wellington. In 2020 it will be held near Sydney, with conference director Professor Jim Denier of Macquarie University.

AMSI/ANZIAM Speaker and AMSI/ANZIAM Workshops

The AMSI/ANZIAM Speaker for 2017 was Dr Maria Vlasiou, from Technische Universiteit Eindhoven. She gave a series of lectures in the major population centres after the 2017 ANZIAM conference, which were lively and interesting and well received. Her visit received very good publicity, including an article in the Australian on 22 February.
The Early Career workshop will be held on 3 and 4 February, the Saturday and Sunday before the 2018 ANZIAM Conference, at the Hotel Grand Chancellor in Hobart and will be organised by Dr Hayden Tronnolone. This is jointly sponsored by AMSI, AustMS and ANZIAM.

In 2017 ANZIAM agreed to provide sponsorship of $5113 for the Computational Inverse Conference run by Monash University at MATRIX and of $2000 for the WIMSIG conference at the University of South Australia directed by Associate Professor Lesley Ward.

**ANZIAM Financial Situation**

The return from the 2017 ANZIAM conference was $34,602.17 without compromising the conference quality, due, in part, to a large attendance. We thank Yvonne Stokes and the conference organising committee for their careful management that produced this result. While income from the ANZIAM journal in 2016 was strong, the weakness in the British pound will have implications for ANZIAM’s income from the journal in 2017 and in the future. The Division is aware that we need to find additional sources of income if we are to continue to fund the highly regarded Student Support Scheme.

**ICIAM**

Dr Michael Plank (University of Canterbury) attended the ICIAM (International Council for Industrial and Applied Mathematics) Board meeting in May 2017 as ANZIAM’s representative. At this meeting ICIAM elected Professor Ya-Xiang Yuan of the Chinese Academy of Sciences as the new ICIAM President. Professor Yuan will serve as President-Elect for two years before taking over as President in 2019. The board also voted to hold the 2023 Congress at Waseda University in Tokyo, 19-24 August 2023.

**SIGMAOPT special interest group**

Following the untimely death of Jon Borwein, Professor Andrew Eberhard was given the task of sorting out the gap in SIGMAOPT (the special interest group on Optimisation) that was left by Jon's passing. Part of the problem was that SIGMAOPT had not only lost its chair, but its constitution required the SIGMAOPT executive to be elected at a biennial meeting and no such meeting had been held.

According to paragraph 27 of the constitution of SIGMAOPT in the event that processes in the SIGMAOPT constitution become unworkable, the Executive committee of ANZIAM can intervene and take whatever action it deems appropriate.

The ANZIAM exec appointed Dr Julien Ugon from Federation University as interim Chair and sought from him nominations for a secretary and treasurer of SIGMAOPT. He nominated Dr Yalçın Kaya (University of South Australia) as secretary and Dr Guoyin Li (UNSW) as treasurer. The group is now in the process of sorting out new constitutional rules for future.
ANZIAM charitable status and contact details

We have now re-established ANZIAM’s charitable status with CCNC. The next step is to ensure that the ATO has correct addresses for ANZIAM. I am following this up via the ABN system with the assistance of Bill Summerfield and I anticipate that this will be completed before the AustMS meeting.

Relative success rates in ARC funding.

This continues to be of serious concern. This year, a rough count shows that there were 15 grants funded in the FOR 0101 code and only 10 in the FOR 0102 code and one in the FOR 0103 code. Of even more concern, 5 of the grants funded in the FOR 0102 code were from groups that were not in Mathematics Schools: one was from the team of biologists, the others from teams of engineers. This is of very great concern as it opens up the likelihood that panel members representing the FOR 0102 area will be chosen more often from Engineering as time goes by.

At its AGM in February this year, ANZIAM endorsed the formation of a working party to encourage eligible applied mathematicians to put their name forward to their institution for nomination to the College of Experts. This working party actively encouraged a number of people to nominate. It is very heartening to see that Assoc Prof Jason Sharples from UNSW Canberra has been made a member of the College of Experts and he joins current members Professors Kate Smith-Miles (Melbourne) and Matthew Simpson (QUT). Professor Andrew Francis (UWS), whose work in Algebra spans both 0101 and 0102 FORC codes also joins the College of Experts in 2018.

To be effective in the long term, this working party initiative needs to become ongoing.

Constitutional Amendment

The ANZIAM executive proposes to put a constitutional amendment to its membership to enable the Division to have more than 3 co-opted members on the executive committee. This is so that the executive can accommodate an Early Career representative in addition to the student representative, the web editor and one ICIAM representative (ANZIAM currently has two ICIAM representatives). I anticipate that the text of this amendment will be an item on the Council agenda for approval before being put to ANZIAM membership.

People:

Dr Frank de Hoog was awarded the 2017 Hannan Medal by the Australian Academy of Science. This award recognises research in any of the fields of statistical science, pure mathematics, applied mathematics and computational mathematics and is awarded every two years.

Professor Hinke Osinga became the first female mathematician to be made a Fellow of the Royal Society of NZ for her research in dynamical systems theory.
Acknowledgement.
I am, as ever, extremely grateful for the guidance of Julia Piantadosi, Peter Johnston and the ANZIAM Executive, and I value their advice and support.

Mary Myerscough Chair, ANZIAM

3 November 2017.
1. Annual Meeting

ANZAMP’s 5th Annual Meeting was held in Kiama, during 1-3 February, 2017; see (http://www.anzamp.austms.org.au/meetings/2017/). The A. J. Guttmann Prize ($500) for the best talk by a student or recent PhD graduate at the ANZAMP Annual Meeting was awarded to Tianshu Liu from the University of Melbourne.

ANZAMP’s 6th Annual Meeting will be held in Auckland, during 30 January - 1 February, 2018. ANZAMP makes every effort to list an international line-up with gender balance. The confirmed list of keynote speakers is:

- Maria Eugenia Gabach Clement (Universidad Nacional de Córdoba)
- Vladimir Bazhanov (Australian National University)
- Natasa Pavlovic (University of Texas)
- Jingbo Wang (University of Western Australia)
- Tanja Schilling (University of Freiburg)
- Luc Vinet (Université de Montréal)

2. Appointment of ANZAMP Executive

A new Session of ANZAMP is due to begin at the conclusion of the upcoming 2018 Annual General Meeting. It was decided at the 2017 AGM that Phil Isaac would act as the Returning Officer for the appointment of the new ANZAMP executive. A call for nominations for the new executive has now been made.

3. Membership and Annual Meeting Attendance

ANZAMP currently has 222 members, including 81 Ordinary/Sustaining AustMS members, 23 Early Career AustMS members, and 91 Student members.

4. Income

ANZAMP’s recurrent income is derived entirely through membership fees. Members of ANZAMP who are Australian residents are required to be members of AustMS. In 2017, each such member paid an additional ANZAMP membership fee, corresponding to 20% of their AustMS membership fee. For Ordinary Members in 2017, this fee was $27.60. New Zealand members pay an equal fee directly to ANZAMP. It was decided at the 2017 AGM that the ANZAMP membership fee for Ordinary members would increase to $30 in 2018. In addition to the ANZAMP membership fee, ANZAMP receives a subvention from AustMS. The income received to date by ANZAMP in 2017 via fees/subvention is $6,513.84. An external audit was performed by finance staff from the University of Melbourne’s ACEMS node. The resulting document is included as an appendix to this report.

Date: October 23, 2017.
A special ballot was held to decide on the following proposition:

ANZAMP becomes an Asia-Pacific Centre for Theoretical Physics (APCTP) Member Institute for three years (2017–2019), subject to mutual agreement on the wording of the Memorandum of Understanding.

The ballot was held via email, from March 1 to March 12. A majority of more than 2/3 of voting members supported the proposition, which was then carried. A mutually agreeable Memorandum of Understanding was then negotiated between the ANZAMP executive and APCTP, which was finally signed on April 7th. On July 19th, ANZAMP nominated Prof Omar Foda to be the Australian representative on the APCTP General Council.

ANZAMP also supported the nomination of former ANZAMP Chair, Prof Jan de Gier, to the C18 (mathematical physics) commission of the International Union of Pure and Applied Physics (IUPAP). It was announced at the IUPAP General Assembly in Sao Paulo in October that Prof de Gier’s nomination was successful.
# ANZAMP Income Statement

As at 30 August, 2017

## Revenue

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Balance</td>
<td>$20,237.53</td>
</tr>
<tr>
<td>Trybooking Account test payments</td>
<td>$0.35</td>
</tr>
<tr>
<td>Sponsorship - University of Melbourne</td>
<td>$2,000.00</td>
</tr>
<tr>
<td>Sponsorship - IOP Publishing Ltd</td>
<td>$600.00</td>
</tr>
<tr>
<td>Member Subscriptions &amp; subvention - 10/11/16</td>
<td>$370.70</td>
</tr>
<tr>
<td>Trybooking Conference Proceeds 17/02/17</td>
<td>$13,741.81</td>
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<tr>
<td>Member Subscriptions &amp; subvention - 17/03/17</td>
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<tr>
<td>Member Subscriptions &amp; subvention - 22/03/17</td>
<td>$3,117.49</td>
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<tr>
<td>Member Subscriptions &amp; subvention - 05/05/17</td>
<td>$584.77</td>
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<tr>
<td>Member Subscriptions &amp; subvention - 03/07/17</td>
<td>$1,101.27</td>
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<tr>
<td>Member Subscriptions &amp; subvention - 28/07/17</td>
<td>$563.07</td>
</tr>
<tr>
<td><strong>Net Sales</strong></td>
<td><strong>$43,094</strong></td>
</tr>
</tbody>
</table>

## Expenses

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reimbursement of Bus hire deposit paid by J Kress 19/02/17</td>
<td>$250.00</td>
</tr>
<tr>
<td>Guttmann Prize: T Liu 06/02/17</td>
<td>$500.00</td>
</tr>
<tr>
<td>Reimburse B Krauskopf Car hire and fuel NZD295.69 16/02/17</td>
<td>$290.78</td>
</tr>
<tr>
<td>International transfer fee 16/02/17</td>
<td>$22.00</td>
</tr>
<tr>
<td>Kiama Pavillion hire 17/02/17</td>
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</tr>
<tr>
<td>Silver Sponsorship WIMSIG Conference 17/03/17</td>
<td>$1,000.00</td>
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<tr>
<td>Reimburse J Kress Accommodation and transport 12/04/17</td>
<td>$2,936.50</td>
</tr>
<tr>
<td>Reimburse L Fernando International airfare GBP1900.45 12/04/17</td>
<td>$3,358.87</td>
</tr>
<tr>
<td>International transfer fee 12/04/17</td>
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</tr>
<tr>
<td>2017 Membership APC USD 2500 12/06/17</td>
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</tr>
<tr>
<td>International Transfer Fee 12/06/17</td>
<td>$22.00</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$27,084.20</strong></td>
</tr>
</tbody>
</table>

## Net Operating Income

**$16,009.33**

## Other Income

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest Income (May - Aug 2016)</td>
<td>2.05</td>
</tr>
<tr>
<td><strong>Total Other Income</strong></td>
<td><strong>$2.05</strong></td>
</tr>
</tbody>
</table>

## Net Income as per Bank Statement 30/08/17:

**$16,011.38**