

The
Australian
Mathematical
Society
(Inc)

**Reports for
the sixtieth
Annual General Meeting
and the
one-hundred-and-twenty-first
Council Meeting
2016**

**President's Report
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ANZAMP Report**

AustMS President's Report

Annual Meeting 2016

There have been many changes in the Australian higher educational sector this year, including the new research impact and engagement assessment, the ACOLA review and the new research training program (RTP), all which reinforce the government's innovation and industry engagement agenda.

The ACOLA review of Australia's research training system has been released and the report makes recommendations regarding industry involvement in HDR training and the value of industry placements. In particular it states that every candidate who wishes to undertake an industry placement should be encouraged to do so. The Mathematical Sciences are well placed in this endeavor due to the soon to be expanded AMSI Intern and also the Mathematics in Industry Study Group. However the scale of placements under the expanded AMSI Intern is 1000 by 2020 (not all in the mathematical sciences, of course) and hence challenging to implement. For example, HDR supervisors may need to develop new industry relationships and links in order to offer suitable placements to their students. The new RTP guidelines also state that universities must report on industry experiences of their HDR students.

ACEMS/AMSI recently held a one day workshop on measuring research engagement and impact in the mathematical sciences. Peter Taylor (UMel) chaired the event and the speakers were Leanne Harvey (ARC), Kerrie Mengersen (QUT), Geoff Prince (AMSI), Jacqui Ramagge (USyd) and myself. Each speaker brought a different perspective to the workshop with themes such as long lead times for impact in mathematics (Ramagge), mathematics a broad church requiring a broad range of metrics (Mengersen), engagement on our terms (Prince) and research engagement important but publications and rankings still the main game (Marchant).

One outcome of the meeting was the submission of a formal response to the ARC engagement and impact consultation paper. I encourage you to read our response and the speakers' presentations, which can be found on the AMSI website. It's likely that the 2018 assessment will use both industry research income metrics and case studies at the 2 digit FOR code level. One of the issues is that industry research income is not highly relevant for Pure Mathematics, which as an enabling discipline, often measures its impact on other disciplines and over very long timescales.

The workshop and our consultation paper response has clarified a number of issues relating to research impact and engagement in the mathematical sciences and is a good example of how we can work together, in a co-operative and effective manner. The ARC will run a pilot assessment exercise in 2017, which we hope to participate in. Clearly the government places a very high priority on its innovation and university-industry engagement agendas so it is vital that we respond and engage with these new trends.

The recent 2016 QS Mathematics subject rankings shows 16 Australian universities in their World top 400 list, with an average ranking of 193 (my calculation). The 2015 list contained the same 16 universities with an average ranking of 205, so we have improved on last year. The main drivers of these assessments are journal paper citations and reputational surveys and I think it's important for the Society to discuss measures that can positively influence both these metrics.

The 2016 Science Meets Parliament was held in early March. The two AustMS representative were Prof. Troy Farrell, QUT, and myself. SMP brings together over 100 scientists, from a vast range of professional societies, for two days of presentations and a small group meeting with a MP. I particularly enjoyed the talks by Prof. Brian Schmidt, now VC at the ANU and the Australian Chief Scientist, Dr. Alan Finkel. I spoke to two Labor backbenchers during the event and listened to presentations by both Bill Shorten and Christopher Pyne. All expressed very positive sentiments about Science and Technology and it seems that most aspects of government policy in this area have bipartisan support. Two common and clear themes were expressed by everyone associated with SMP; the growing importance of university interaction with industry and the need to support more female scientists in Australia to achieve senior career positions.

During 2015 The University of Melbourne established MATRIX, a new mathematical research institute, and appointed Prof. Jan de Gier as Director. During 2016 it became a joint partnership between Melbourne and Monash Universities. MATRIX programs take place at the Creswick campus, near Ballarat in rural Victoria. It is already attracting high profile international researchers to Australia, for collaborative research with members of Australian mathematicians, via its many workshops. MATRIX is similar in concept to the Banff International Research Station (Canada) and Oberwolfach Research Institute for Mathematics (Germany) which bring researchers together for short but intense periods of collaboration, at a remote location. I congratulate Melbourne and Monash Universities on their support of MATRIX and am sure it will lead to an increased number of international research collaborations for our members.

After a long period of decline the level of Society membership increased in the last year. Total membership is up 150 to 1200 and ordinary members (who pay full membership fees) up from 510 to 560. During my term as President I sent promotional emails to non-member mathematicians, based at Australian Universities, asking them to join the Society. I believe that this kind of activity needs to be maintained and form part of a more sophisticated future digital marketing campaign.

The criteria for AustMS fellowship have been broadened, a new fellowship application form developed and a promotional campaign undertaken has seen fellowships increase. This will increase the profile of our society and also provide a pool of role models for early career researchers. There is much more work to do in this space and during 2016 a new membership and marketing committee was established with the aim of improving membership numbers, particularly from mathematicians who work in industry, government and school education.

The AustMS relies heavily on its volunteer office holders for its smooth running and operation. I am very grateful for the support of our Secretary, Dr. Peter Stacey, and Treasurer, Dr. Algy Howe, for the huge amount of time and effort they both volunteer to support the society. Their corporate knowledge and experience is exceptional and I thank them both for their contribution. I have really enjoyed working with them and the other AustMS office holders during my term as President, which ends during the 2016 AustMS meeting. I wish the new President, Prof. Kate Smith-Miles all the best for her term of office and the challenges ahead.

Professor Tim Marchant, FAustMS

President

1. Statistics for the period 1/8/15 to 31/7/16

NEW MEMBERS:164

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

ABBOTT Paul Christian (O)	KHAN Md Shakhaoath (S)
ABUD ALCALA Ramon (S)	KUHN Julia (S)
ADAMS Nadine Margaret (O)	KUHNERT Petra (O)
ADEGBOYEGUN Bolujo Joseph (S)	LANSDOWN Jesse W (S)
AL-DAFFAIE Kadhem Yehea (S)	LIM Khey Jeng (S)
AL GARALLEH Hakim (S)	LINDSTROM Scott Boivin (S)
ALEX Casella (S)	LIU Tianshu (S)
AN Xin (S)	LU Rui-Sheng (S)
ARMSTRONG Becky (S)	LUU Steven (S)
AYRE Peter John (S)	LYDEAMORE Michael John (S)
BAHRI Mona (S)	MAHER Damian Richard (S)
BAKER Samuel (S)	MANSOR Mohd Mahayudin (S)
BALTINOS Nicholas (O)	MARCH Nathan Gregory (S)
BELCHAMBER Erika Rana G (S)	MARITIU Ruxandra (S)
BELPERIO Jordan (S)	MARQUETTE Ian (O)
BLANKENSHIP Michael (O)	MCGANN Anna (S)
BOS Philip (S)	MEEK Egan (S)
BREWIN Leo Christopher (O)	MENSAH Benjamin(O)
BROWNING Alexander Paul (S)	MOORE William Barton (S)
BUBB Lachlan David (S)	NGUYEN Thong Huy (S)
BUENZLI Pascal Renato (O)	NIKOLIC Branko (S)
BUI Anh (EC)	NOLAN Matthew (S)
BYWATERS Timothy Peter (S)	NOVOSEL Jack (RR)
CARAPETIS Anthony Leigh (S)	NUGENT Jeremy William (S)
CHEN Zeying (S)	O'KEEFFE Lisa (Edu)
CATT Elliot (S)	OSMAN Sheelan Abdulkader (S)
CHALKER Kristy Anne (S)	PANTELIS Jonathan James (S)
CHAMBERS Mark Stanley (S)	PARKINSON Alex Michael (S)
CHARLESTON Michael (O)	PATHIRANA Dilan (S)
CHENOWETH Brett Simon (EC)	PAVLYSHYN Damian Theodore (S)
CRILLY Jaklyn Kate (S)	PAYNE Michael Stuart (EC)
CROOK Janthan Philip (O)	PETTERSSON William Erik (EC)
DEMANGE Marc (O)	PISKUN Andrew Francis (S)
DIAZ David (S)	PITT Jordan P Anthony (S)
DOAK Wesley (O)	PRICE Aiden Kristopher (S)
DODDRIDGE Edward (RR)	PULLEN Ainsley May (S)
DRAGICEVIC Davor (EC)	PURCELL Jessica Shepherd (O)
DRAKE Pat (Edu)	RADNOVIC Milena (O)
EDIE-MICHELL Cain James (S)	REEVES Claire Elspeth(EC)
ELCI Eren Metin (EC)	ROBERTSON Marcy (O)
ELVEY PRICE Andrew Thomas (S)	ROLLS david Anthony (O)
FAKHAR Efat (S)	ROSS Nathan Forrest (O)
FAN Chenxi (S)	ROUT James David (S)
FAN Zengyan (S)	QUELLA Thomas (O)
FARBER Boris (Recip)	SAIFUDDIN Rashed (S)
FARRELL Simon James (O)	SALEH Manal Moftah (S)
FITZSIMONS Christopher Mark (Edu)	SAMBRIDGE Malcolm (O)
FLETCHER Douglas Ian (O)	SHELLEY Jack Edward (S)

FRYER Daniel Peter (S)
GAO Pu (O)
GARBALI Alexandr (EC)
GEORGE Henry James Ellioy (S)
GHASEM MOGHADAM Mehdi (S)
GHAZANFAR Shila (S)
GLYNN David G (O)
GOH Yoong Kuan (S)
GOSAI Dhruvisha Manishkumar (S)
GREGORY James Philip (S)
GRIMM Jens Christian (S)
GUL Saima (RR)
HAESEMEYER Christian (O)
HAJIABOLHASANI Zeinab (S)
HARAHAP Mahrita (S)
HARTLEY Richard Ian (O)
HARVEY Grant Christopher (S)
HOLLAND Barbara Ruth (O)
HOQUE Mohammad Mainul (S)
HUANG Zhejun (S)
ILYAS Muhammad (S)
JENNER Adrienne Lena (S)
JERBI Imededdin O)
JIA Yurou (S)
JOVANOSKI Zlatko (O)
KAMRUZZAMAN Md (S)
KARAMI Md Jamil Hasan (S)
KARIM Lfsana (S)
KAZANTZIDOU Christina (EC)
KE Ziwei (S)
KEANE Therese Alison (O)
KEELER Jack Samuel (S)
KELS Andrew Paul (EC)
KHAN Humayoun Abdullah (S)

SIU Steve Wai Chun (S)
SMITH Rebecca jane (S)
SNADDEN John Arthur (S)
SPONG Matthew James (S)
SPRY Rebecca Ann (S)
STEFANI Ray (Ret)
STEPHEN Sudeep (S)
SUTHERLAND Nicole Jane (EC)
TALBOT James Michael (S)
TAM Alexander (S)
TANCREDI Elisa (S)
TAYLOR Dean Kirschner (RR)
TAYLOR Samuel (S)
THOMAS Amelia Jane (S)
THORNTON Steve (Edu)
TONG Rui (S)
TUCK Geoffrey (O)
TWITON Michael Aharon (S)
VITTORINI ORGEAS Alessandra (S)
VENTURI Vanessa (O)
VERMA Geetika (EC)
VOINEAGU Mircea Alexandru (O)
VON WITT William Stephen (S)
WAGNER John Michael (O)
WAND Matthew Paul (O)
WARNE David James (S)
WEATHERHOG Sam (S)
WILLIAMSON Robert (O)
WILSON Sinead Michelle (O)
WINTER Alycia Maddison (S)
WOOD David Ronald (O))
WU Haotian (EC)
ZAREBSKI Alexander Eugene (S)
ZENG Xiangchen (S)

MEMBERS WHO PASSED AWAY: 7

BARTON John C
BLAKE John R
CHIARELLA Carl
GANI Joseph

HALL Peter
MCINTOSH Alan G R
SILBERSTEIN J P O

MEMBERS WHO CANCELLED THEIR MEMBERSHIP TOTAL: 31

ATKINSON Dianne	HALL Jack
BADER Philipp	HAN Xiaolong
BADHAM Jennifer M	HUNT Hilary
BAILES Jeffrey S	KAN Andrey
BURT Christina	KESHTKARAN Mahsa
CATTLIN Joann	LIU Shuai
CHAMPION Robert	MEHNERT Andrew J H
CHEN Joshua	MCELWAIN D L Sean
CHRISTIE Joshua R	PAESOLD Martin K
CHUNG Christopher K T	SHANAHAN Phiala E
COSTA Alysson M	SHARP Jesse A
DALE Trevor R	STACK Paul D
DICKINSON Jilian	TANG Billy
FARMER David	VAN DEN DUNGEN Koen
GRIFFITH Angus	WANG Dianhui
GRUNDLING Hendrik B G	

DEEMED RESIGNED MEMBERS TOTAL: 52

(Membership status can be resumed by payment of outstanding fees)

ADAMS Peter	KAMRAN Khurram
BARBER Michael N	KEATING Shane R
BEDA Peter B	LOBB Sarah B
BEDFORD Anthony	LUSTRI Christopher J
BRERETON Edward P	MALLET daniel G
CARR Rodney	MCARTHUR Lynne
CHAKRABORTY Debadi	MCINTOSH Robert L
CHEN Li	MEANS Shawn
CHEN Wen-Ting	MORRIS Andrew J
COLLEVECCHIO Andrea	MORRISON Tegan
DEO RAVinesh Dr Xiang	MUHANDIRAMGE Ranga D
DONG Leanne J	NAHEED Afia
EASTAUGH Anne M	PANAIA Oreste
EGAN Judith A	QUEFFELEC Hoel
ELFARD Ali S	ROBERTSON David I
FOOZWELL Bell	SAFONOVA Galyna
FULLER Joanne E	SIBURIAN Argenes
HAYCROFT Michael J D	SIMMONS Alex M
HEKMATI Pedram	SORENSEN Adam P W
HOGARTH William L	SMITH Olivia
HOLMES Cathy A	SUTHERLAND Daniel J
HOLMES William R	TARTAGLINO-MAZZUCHELLI Gabriele
HORNE Jacqueline A	VRBIK Paul
HOWE Stephen A	WHITTAKER Michael
HOWELLS IAN D	YACOBI Oded
JEYAKUMAR Vaithilingam	

DEEMED RESIGNED STUDENT MEMBERS TOTAL :49

BANKS Christopher C	MOHD ALIAS Anis A
BHASKARAN Chaturi D	MORRISSEY Benedict J R
BULINSKI Kamil	NGUYEN Bruce H U B
BULL Hannah	PARKINS Scott R
CARTER Benjamin L	PRICE David J
CHAN Matthew H T	REYNOLDS Christian J
CROMER Michael C	ROBERTS Kerry-Lyn
CUSIMANO Nicole	ROSE Michael
DENNETT Sue	RYBA Christopher
ESMAEILI DARAF SHANI Mehri	SEHRISH Uzma
FABBRO Mark A	SHAKOR Oday
GARDINER Sean	SHI Meng
GOMES Sean P	SIRINANDA Kashyapa
GURNEY Lance R	SKENE David M
HASSARD Patrick C	SU Simon J
HAWKINS Mitchell	THOMPSON Samuel M
HE Xinjiang	THORNETT Christopher B G
HUANG Yi	VAN DER HEIDE Christopher J
JAYAWARDANA Kaushala	VO Theodore
KEESE Hannah	WIJESINGHE Chanduni T
LEI Yitao	XU Yan
LIU Yunxuan	XU LiangBin
MARTYUSHEV Alexey	YAP Ying Wan
MCCULLOUGH Michael H	ZHENG Yu
MITCHELL Jonathan D	

NEW ACCREDITATIONS:

16 New Fellows (FAustMS):

AUCHMUTY Giles	SCOTT Susan
FRANCIS Andrew R	SMYTH Noel F
GROTOWSKI Joseph F	STACEY Kaye C
HARTLEY Richard I	SUKOCHEV Fedor
HENRY Bruce	TISDELL Christopher
LOCH Birgit	WAND Matthew P
PLATEN Eckhard	WILLIAMSON Robert
SAMBRIDGE Malcolm	WOOD David R

2 New Accredited Members (MAustMS):

MCANDREW Stephen G
ROBERTS Melanie E

1 New Graduate Member (GAustMS):

JERBI Imededdine

TOTAL ACCREDITATION LIST:

FELLOWS: 149
ACCREDITED: 41
GRADUATE: 17

FINANCIAL MEMBERS OF THE SOCIETY (UP TO 30th SEPT 2016):

Membership Type	Year 2016	Year 2015	Change
Ordinary	554	510	44
Reduced Rate	24	16	8
Student	211	133	78
Retired	88	84	4
Life	63	63	0
Honorary	26	27	-1
Reciprocal	34	36	-2
Education	11	9	2
Sustaining	4	5	-1
Institutional	3	4	-1
Free	67	57	10
Non-Financial	35	35	0
Early Career	90	89	1
TOTAL:	1210	1068	142
ANZIAM	528		
ANZAMP	174		

Sustaining members: Prof Nalini Joshi, Dr Benjamin E Odgers, Dr Todd A Olinyk
& Dr Ilknur Tulunay

As at 31 July 2016, 260 members (including the listed 52 deemed resigned members and 49 deemed resigned Student members) have not renewed their 2016 membership.

2. 2016 Subscriptions and Journal Prices to Members

The 59th Annual General Meeting, held at Flinders University, endorsed the decisions of Council and the Australian Mathematical Publishing Association Incorporated that the subscriptions and journal prices to members for 2016 be as follows:

Ordinary Member – \$136	Sustaining Member – \$272
Reciprocal Member – \$68	Reduced Rate Member – \$34
Retired Member – \$34	Education Member – \$68
EC Member – \$68	
Life Membership at Retirement for Members over 55 years – \$700	
Subscription for an Institutional Member:	\$1 748.

Note

1. Existing Ordinary Members who renewed their subscriptions before 1st January 2016 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 \$68 (no rebate).

	Ordinary, Sustaining, Education & Reciprocal Members	Reduced Rate, Retired Members & Life Members
J. Australian Mathematical Society		
Resident in Australia	\$111.10	\$55.55
Resident overseas	\$101	\$50.50
ANZIAM Journal		
Resident in Australia	\$94.60	\$47.30
Resident overseas	\$86	\$43
Bulletin		
Resident in Australia	\$105.60	\$52.80
Resident overseas	\$96	\$48

Gazette

Free to members paying a subscription.

3. The Australian Mathematical Society Medal

In 2015 the Australian Mathematical Society Medal was awarded to Associate Professor S. Morrison.

The 2016 AustMS Medal Committee consists of:

Professor P.G. Bouwknecht (*Chair*); Professor N.C. Wormald (*Outgoing Chair*);
Professor P.J. Forrester (*Incoming Chair*); Dr C. O'Keefe (*1 year term*).

4. The George Szekeres Medal

In 2014 the George Szekeres Medal, which is awarded in even years, was awarded to Professor C.E. Praeger.

The 2016 George Szekeres Medal Committee consists of:

Professor J.H. Rubinstein (*Chair*); Dr R.S. Anderseen (*vice Outgoing Chair*);
Professor C.E. Praeger (*Incoming Chair*); Professor R.H. Street (*Member, one yr.*).

5. The Gavin Brown Prize

In 2015 the Gavin Brown Prize was awarded to Professor A.W. Hassell for his paper *Ergodic billiards that are not quantum unique ergodic*, *Annals of Mathematics*, 171:2 (2010), 605-619.

The 2016 Gavin Brown Prize Committee consists of:

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

6. The B.H. Neumann Prize

The 2015 prize was awarded jointly to Murray Neuzerling (La Trobe University) for his talk *Using algebra to avoid robots* and Matthew Tan (University of Newcastle) for his talk *Reconstruction algorithms for blind ptychographic imaging*.

Also special commendations went to:

Joshua Howie (The University of Melbourne), Adrienne Jenner (The University of Sydney), Brendan Patch (The University of Queensland) and Danya Rose (The University of Sydney).

7. The Mahler Lecturer

The 2015 Mahler Lecturer was Professor Manjul Barghava of Princeton University.

The 2016 Mahler Lecturer Committee consists of:

Assoc. Prof. M.G. Jackson (*Chair*);
Professor W. Zudilin (*Outgoing Chair*);
Dr A.E. Ghitza (*Incoming Chair*);
Professor V. Gaitsgory (*Vice-President (Ann Conf)*);
Professor P.D. Smith (*Co-Director 2017 Annual Conference*).

8. The Alf van der Poorten Travelling Fellowship

From 2015, the Alf van der Poorten Travelling Fellowship will be awarded in odd numbered years. In 2015 the Alf van der Poorten Travelling Fellowship was awarded to Dr TriThang Tran of the University of Oregon.

9. Lift-off Fellowships

Australian Mathematical Society Lift-off Fellowships have been awarded in 2015-2016 to

Dr M. Ndi (University of Newcastle)
Dr C. Chen (University of Adelaide)
Dr C. Bourne (University of Wollongong)
Dr M. Tam (University of Newcastle)
Dr J. Howie (University of Melbourne)
Dr H. Tronnolone (University of Adelaide)
Dr A. Amenta (Australian National University)
Dr D. Ladiges (University of Melbourne)
Dr N. Ham (University of Tasmania)
Dr N. Afzaly (Australian National University)
Dr E. Tartaglia (University of Melbourne)
Dr P. Scradler (University of Western Australia)
Dr G. Ashish (University of New South Wales)
Dr T. Do (La Trobe University).

Lift-off Fellowships awarded in 2014-2015 but not included in the Secretary's report to the 2015 meeting were

Dr K. Harley (Queensland University of Technology)
Dr A. Holder (University of Wollongong).

The 2015-16 Selection Committee consisted of:

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

10. Sixty-first Annual Meeting

The sixty-first Annual Meeting of the Society will be held from Tuesday 12th December to Friday 15th December 2017 at Macquarie University with Professor X.T. Duong and Professor P.D. Smith as Co-Directors.

11. Council Members for the session 2015/2016

The *elected*¹ Members of Council for this past session, 2015– 2016, were:

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

Ordinary Members:	S. Morrison (2016)	J.G. Sumner (2016)
	J. de Gier (2017)	H.S. Sidhu (2017)
	A. Sims (2017)	N.G. Bean (2018)
	A. Devillers (2018)	D. Donovan (2018).

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

Vice-President (Chair ANZIAM):	L.K. Forbes/ M.R. Myerscough
Vice-President (Chair ANZAMP):	T.M. Garoni
Vice-President (Annual Conferences):	V. Gaitsgory
AustMS Member elected to Steering Committee:	N. Joshi/ P.J. Forrester
Representative of ANZIAM:	J. Piantadosi
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	J.M. Borwein/ G.A. Willis
ANZIAM Journal	A.P. Bassom/ G. Hocking
Electronic Editor.	A.J. Roberts
Bulletin	J.H. Loxton
Lecture Series	C.E. Praeger
Electronic Site	R.R. Moore

¹The Secretary and Treasurer are appointed by Council for each session.

12. Reciprocity Agreements

The Society 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's 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	Islenska Staerdfraedafelagid
Unión Matemática Argentina	Korean Mathematical Society
Unione Matematica Italiana	London Mathematical Society
Wiskundig Genootschap	Malaysian Mathematical Society
Mathematical Society of Japan	Real Sociedad Matematica Española
Pakistan Mathematical Society	Slovak Mathematical Society
Society for Industrial and Applied Mathematics (SIAM)	

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.

Professor C.E. Praeger on being awarded an honorary doctorate by The University of Saint Andrews,

Professor H.P. Possingham on being awarded an honorary degree by the University of British Columbia,

Dr P.W. Cleary on being elected a Fellow of the Australian Academy of Technological Sciences and Engineering,

Professor N. Joshi on being selected as one of Daily Life's Women of the Year Finalists for 2015,

Dr L. Bennetts on being awarded the Academy of Science's 2016 Christopher Heyde Medal,

Emeritus Professor P.G. Howlett and Professor E Kozan on being the joint recipients of the 2015 Ren Potts Medal of the Australian Society for Operations Research,

Professor N. Joshi on being a member of The Australian's annual list of the most influential people in higher education,

Professor G.I. Lehrer on being awarded an AM in the Australia Day honours,

Professor H.P. Possingham on being appointed chief scientist with The Nature Conservancy,

Professor H.P. Possingham on being elected a foreign associate of the U.S. National Academy of Sciences,

Professor S.M. Scott on being elected a Fellow of the Australian Academy of Science,

Professor F. Sukochev on being elected a Fellow of the Australian Academy of Science,

Professor N. Joshi on being awarded an AO in the Queen's Birthday Honours,

Dr E. Waters on being a NSW Fresh Science award winner,

Associate Professor D.C. Hunt on being awarded an Erdos Medal of the World Federation of National Mathematics Competitions,

Associate Professor J.M. McCaw on winning a Eureka Prize for Infectious Disease Research.

15. Deaths of members and friends of the Society

It was with great regret that I informed members during the last session of the deaths of Mr G.R. Ball, Professor J.M. Borwein, Professor J. Gani, Professor P.G. Hall, Emeritus Professor C. R. Heathcote, Associate Professor A.F. Horadam, Emeritus Professor A.G.R. McIntosh, Professor M. Miller and Emeritus Professor J.P.O. Silberstein.

16. Acknowledgements and thanks

I am grateful for the help I have received throughout the year from the President, Tim Marchant, 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 2016

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La Trobe University
Vic 3086
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AUSTRALIAN MATHEMATICAL SOCIETY INC.

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Treasurer's Report for 1st August 2015 – 31st July 2016

In the past financial year the Society has provided:

\$7,790 to STA (includes 2015 contribution)
\$8,503 for student travel grants to the 2015 AustMS AGM
\$1,278 for Aust. Math. Sciences Student Conference travel grants
(half share with AMSI)
\$440 for EC workshop
\$1,200 for B H Neumann prize
\$37,250 for 10 Lift Off fellowships
\$16,000 for AMSI Summer School 2015
\$10,000 for 2016 AustMS AGM seeding money at ANU
\$30,852 to Special Interest Meetings
\$3,675 for Heidelberg Laureate Forum travel grants (half share with AMSI)

Our accounts show that AustMS provided \$160,915 in grants for the financial year.

At the end of December 2015, the JAustMS paid subscription numbers stood at 321, of which 137 institutions paid via their parent consortium. In addition a further 2,955 institutions also got online access via consortia. The total profit to AustMS, for the JAustMS, was £84,381 which is a decrease of 9.1% on the previous year.

At the end of December 2015, the Bulletin paid subscription numbers stood at 277, of which 122 institutions paid via their parent consortium. In addition a further 2,964 institutions also got online access via consortia. The total profit to AustMS, for the Bulletin, was £57,986, which is a decrease of 13.5% on the previous year.

At the end of December 2015, the ANZIAM J paid subscription numbers stood at 186, of which 94 institutions paid via their parent consortium. In addition a further 2,994 institutions also got online access via consortia. The total profit to AustMS, for the ANZIAM J was £40,142, which is an increase of 5.2% on the previous year.

Over the years, there has been a steady annual decrease in direct subscriptions,

ie those in which one of our journals is specifically requested. However, this has been countered by annual increases in indirect subscriptions, where our journals are included in consortia. Going against the trend this year, direct subscriptions to the ANZIAM J have increased by 5%.

I note that pricewise, in the case of JAustMS, approximately 43 indirect subscriptions equal one direct subscription.

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

For the period 1st August 2015 – 31st July 2016 the audited financial statements show that our total receipts were \$123,724 and the total payout was \$187,160 giving an operating loss of (\$63,436). 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 \$42,058.

This financial year AMPAI made a profit of \$98,494. Taking into account the fact that the Society made a loss of (\$63,436), we see that the combined profit of the Society and AMPAI, over this financial year, is \$35,058.

The Society's income was made up from:

Total subscriptions from Members (including ANZIAM, ANZAMP, SIGs and accreditations)	\$107,650
Grant money returned (from AMSI)	\$4,953
Copyright royalties	\$590
Interest income	\$18,412
Counting Australia In	\$35
Donation received	\$164

The payments were:

Officers expenses	\$3,380
Grants (including subventions)	\$160,915

AMSI membership (waiting for ANZIAM contribution of \$7,000 - ANZIAM Treasurer on leave and location of cheque book unknown - \$30,924.80 paid in early August 2016)	\$
ANZIAM (subscriptions \$9,657, subvention \$11,250)	\$20,907
ANZAMP (subscriptions \$2,665, subvention \$3,506)	\$6,171
Applied Probability SIG (subscriptions \$204, subvention \$346)	\$550
Mathematics Education SIG (\$720 collected in subscriptions, but Math Ed SIG still working out bank account details)	\$
Math of Computation & Optimization SIG (subscriptions \$353, subvention \$621)	\$974
Number Theory Down Under SIG (subscriptions \$221, subventions \$391)	\$612
Victorian Algebra Group (subscriptions \$383, subvention \$870)	\$1,253
WIMSIG (including Cheryl Praeger travel awards)	\$13,759
Bank, credit card and eway fees	\$2,475
Storage of journals	\$1,380
Insurance/Indemnity Insurance	\$3,021

Total paid up membership at 31st July 2016 was 834 (non-financial members are not included).

	July 2016	July 2015
Fellows	143	131
Graduate Members	14	16
Accredited Members	38	35
Ordinary Members	533	499
Reduced rate Members	22	16
Student Members	177	130
Early Career Members	84	84
Reciprocal Members	30	36
Education Members	11	9
Non-financial Members (officials from other societies)	35	35
Honorary Members	26	27
Free Members	67	57
Life Members	63	63
Retired Members	84	84
Deceased Members	6	5
Resigned Members	31	19
Deemed Resigned Members	102	123
New Members	167	176
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	

Divisions and Special Interest Groups

	Financial Members	Student Members	Total
ANZIAM	472	106	578
ANZAMP	156	51	207
Applied Probability SIG	31	23	54
Mathematics Education SIG	85	37	122
Mathematics of Computation and Optimization SIG	53	33	86
Number Theory Down Under SIG	41	23	64
Victoria Algebra Group SIG	53	26	79
Women in Mathematics SIG (Free to join)	187	55	242

Algy Howe
Treasurer
24th October 2016

Australian Mathematical Society

Financial Statements
For the year ended 31 July 2016

Australian Mathematical Society

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Australian Mathematical Society
Committee's Report
For the year ended 31 July 2016

Your committee members submit the financial accounts of the Australian Mathematical Society for the financial year ended 31 July 2016.

Committee Members

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

Tim R Marchant, FAustMS

Algy Howe, FAustMS

Kate A Smith-Miles, FAustMS

John A G Roberts

Peter J Stacey, FAustMS

Nigel G Bean

Alice Devillers

Diane M Donovan

Scott Morrison

Jeremy G Sumner

Jan De Gier, MAustMS

Harvinder S Sidhu

Aidan Sims

Mary Myerscough

Vladimir Gaitsgory

Birgit I Loch

Julia Piantadosi

P John Cossey

Peter Forrester

Sidney A Morris, FAustMS

David T Yost

Tim Garoni

George A Willis

Andrew P Bassom

Graeme Hocking

Anthony J Roberts

John H Loxton

Cheryl E Praeger, FAustMS

Ross R Moore

Principal Activities

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

Significant Changes

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

**Australian Mathematical Society
Committee's Report
For the year ended 31 July 2016**

Operating Result

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

Year ended 31 July 2016	Year ended 31 July 2015
\$ (63,436)	\$ 26,183

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

Tim R Marchant, FAustMS

Algy Howe, FAustMS

Australian Mathematical Society
Income and Expenditure Statement
For the year ended 31 July 2016

	2016	2015
	\$	\$
Income		
Subscriptions	102,397	21,249
Interest received	18,412	3,620
Other income	2,915	1,643
Total income	123,724	26,512
Expenses		
Officers Expenses	4,881	1,668
Total Grants	160,915	(8,729)
AMSI expense	11,000	4,400
Bank Fees And Charges	30	30
Commission	2,156	313
Depreciation - Surplus journals		(12)
Fees & charges	289	31
Insurance	3,021	1,410
Pitman bequest interest	69	
Purchase of surplus journals AMPAI	14	
Postage	2,350	668
Repairs & maintenance	785	549
Storage	1,380	
Sundry expenses	269	
Total expenses	187,160	329
Profit (loss) from ordinary activities before income tax	(63,436)	26,183
Income tax revenue relating to ordinary activities		
Net profit (loss) attributable to the association	(63,436)	26,183
Total changes in equity of the association	(63,436)	26,183
Opening retained profits	373,998	347,815
Net profit (loss) attributable to the association	(63,436)	26,183
Closing retained profits	310,562	373,998

The accompanying notes form part of these financial statements.

Australian Mathematical Society
Detailed Balance Sheet as at 31 July 2016

	Note	2016 \$	2015 \$
Current Assets			
Cash Assets			
Cash At Bank - CBA Current A/C		34,272	71,667
CBA Security Investment A/C		182,784	210,135
Term Deposit #2476		459,726	445,040
Term Deposit #2484		212,299	211,222
		889,081	938,064
Receivables			
Accounts Receivable		14,218	12,937
		14,218	12,937
Other			
Prepayments			11,000
Journals On Hand		69	52
		69	11,052
Total Current Assets		903,369	962,054
Total Assets		903,369	962,054
Current Liabilities			
Other			
Subscriptions in advance		51,282	46,531
		51,282	46,531
Total Current Liabilities		51,282	46,531
Total Liabilities		51,282	46,531
Net Assets		852,086	915,523

The accompanying notes form part of these financial statements.

Australian Mathematical Society
Detailed Balance Sheet as at 31 July 2016

	Note	2016 \$	2015 \$
<hr/>			
Members' Funds			
Reserves			
Net Assets		541,524	541,524
Accumulated surplus (deficit)		<u>310,562</u>	<u>373,998</u>
Total Members' Funds		<u>852,086</u>	<u>915,523</u>

Australian Mathematical Society
Statement by Members of the Committee
For the year ended 31 July 2016

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 2016 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:

Tim R Marchant, FAustMS
President

Algy Howe, FAustMS
Treasurer

Australian Mathematical Society Independent Auditor's Report to the Members

We have audited the accompanying financial report, being a special purpose financial report, of Australian Mathematical Society (the association), which comprises the Statement by Members of the Committee, Income and Expenditure Statement, Balance Sheet, notes comprising a summary of significant accounting policies and other explanatory notes for the financial year ended 31 July 2016.

Committee's Responsibility for the Financial Report

The committee of Australian Mathematical Society is responsible for the preparation and fair presentation of the financial report, and have determined that the basis of preparation described in Note 1 is appropriate to meet the requirements of the Associations Incorporation Act of the Australian Capital Territory 1991 and is appropriate to meet the needs of the members. The committee's responsibilities also includes such internal control as the committee determine 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.

Auditor's Responsibility

Our responsibility is to express an opinion on the financial report based on our audit. We have conducted our audit in accordance with Australian Auditing Standards. Those Standards require that we comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the association's preparation and fair presentation of the financial report 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. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the committee, as well as evaluating the overall presentation of the financial report.

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

Opinion

In our opinion, the financial report presents fairly, in all material respects, the financial position of Australian Mathematical Society as at 31 July 2016 and 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 of the Australian Capital Territory 1991.

Australian Mathematical Society
Independent Auditor's Report to the Members

Basis of Accounting and Restriction on Distribution

Without modifying our opinion, we draw attention to Note 1 to the financial statements, which describes the basis of accounting. The financial report has been prepared to assist Australian Mathematical Society to meet the requirements of the Associations Incorporation Act of the Australian Capital Territory 1991. As a result, the financial report may not be suitable for another purpose.

Signed on 12 October, 2016:

James Daniels, CPA
Federation Tax & Accounting
116 Crawford Street Queanbeyan NSW 2620

2015–2016 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 eight standard size issues, and the median time for online presence is 3.8 months.

I. Editorial arrangements

Jonathan Borwein and George Willis (University of Newcastle) have been Co-Editors since July 2012. Due to the death of Jonathan on 2 August 2016, George has become sole Editor. A commemorative volume for Jonathan is planned. Brailey Sims is chairing the Editorial Committee and a further three or four guest editors are to be appointed. This report covers the period of July 2015 up to 30 June 2016 — in accord with the financial year. The editorial team has been altered during the reporting year and is as follows:

B. Alspach	V. Jeyakumar	A. Sims
L. M. Batten	F. Larusson	V. T. Stefanov
D. Chan	B. Martin	T. Tao
B. J. Gardner	C. Meaney	W. Zudilin
A. M. Hassell	W. Moors	
A. Henderson	M. K. Murray	
M. G. Jackson	I. E. Shparlinski	

The team of Special Volume Editors for the issue honouring Laci Kovács (that will appear in February 2017) is as follows:

Stephen Glasby	Cheryl Praeger	Dane Flannery	Ralph Stöhr
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Attrition and the need to better cover the maths being sent to our journal have necessitated these changes. The rate of success with referees seems to be good as the papers are being returned with careful reports in timely fashion. Thanks are due to our Associate Editors past and present for their unstinting efforts.

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 excellent.

II. General comments

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

- (a) Cambridge University Press continues to handle the 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 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 Co-Editors have a mode of assessment that has them culling the submissions each week. Papers rejected without refereeing presently represent 51% of our submissions. 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 2015, 45.7% of submissions have gone to an Associate Editor and of these 24.8% have been accepted for publication: yielding a 11% current acceptance rate for submissions.
- (d) In the period from 1 July 2015 to 30 June 2016, out of 282 papers received, the number rejected without refereeing was 144. These 282 papers came from 55 countries. The authors accepted for publication from 1 July 2015 to 30 June 2016 are illustrated by the countries with the most publications; USA (8), China (4), United Kingdom (4), Australia (2), Israel (2), and Italy(2).
- (e) As of June 2013, we has been accepting the copyright forms electronically. This simple change has dramatically improved the waiting time from acceptance to being sent to Cambridge. Since this change the average elapsed time is one-half month with the outliers being from 1 day to 4 months.

III. General publication data

The Journal continues to be published in three parts per volume with two volumes per year. Normally there are 440 pages plus 2 index pages in each volume. For example, from July 2015 we published Volume 99 (1 to 3) and in 2016 up to the end of June we published Volume 100 (1 to 3). We could if needed expand any given issue.

IV. Mean and median publication delay:

Vol. & Issue by #	Month Journal is in Hard Copy	Mean: Submission → Print	Mean: Submission → Accept	Mean: Accept → Online	Mean: Accept → Print
97:1	August 2014	18.6	12.6	5.4	7.9
97:2	October 2014	17.2	10.7	3.8	6.5
97:3	December 2014	17.2	10.7	3.8	6.5
98:1	February 2015	19	6.4	6.5	16.75
98:2	April 2015	14.8	7	2	7.8
98:3	June 2015	14.75	5.4	4.5	8.6
99:1	August 2015	17	9	4	10
99:2	October 2015	19	10	3	9
99:3	December 2015	16	6	3	
100:1	February 2016	15	9	6	9
100:2	April 2016	17	7	4	9
100:3	June 2016	23	5	11	16
Vol. & Issue by #	Month Journal is in Hard Copy	Median: Submission → Print	Median: Submission → Accept	Median: Accept → Online	Median: Accept → Print
97:1	August 2014	18.6	12.6	5.4	7.9
97:2	October 2014	17.2	10.7	3.8	6.5
97:3	December 2014	17.2	10.7	3.8	6.5
98:1	February 2015	14	6.5	2	7
98:2	April 2015	14	7	2	7
98:3	June 2015	12	5	3	9
99:1	August 2015	16	7	4	10
99:2	October 2015	20	8	3	8
99:3	December 2015	14	6	3	7
100:1	February 2016	17	6	4	9
100:2	April 2016	16	6	3	8
100:3	June 2016	17	4	6	10

V. Backlog

The backlog of accepted papers waiting to be processed for publication by Cambridge University Press will fill 8 issues, over a year's output and will make up volumes starting from August 2016, Volume 101.1 to December 2017, Volume 103.3.

VI. Online access of the Journal

Year	Abstract Views	ToC Views	PDF Views	Homepage views
2010	107,675	67,943	66,033	33,871
2011	169,144	82,924	87,263	34,419
2012	294,930	92,483	110,961	24,532
2013	166,869	44,144	76,806	17,691
2014 → Oct.	191,863	56,008	117,032	12,772
Tax Years:				
July → Dec. 2014	269,504	71,127	161,062	10,131
Jan. → June 2015	115,864	54,962	72,170	9,439
July → Dec. 2015	55,274	47,864	63,092	8,549
Jan. → June 2016	62,498	48,776	59,881	10,562

VII. Present status of papers submitted to JAustMS

In the period from 1 July 2015 to 30 June 2016 out of **282** papers received, the number rejected without refereeing was **144**. These **282** papers came from **55** countries. The countries with the most published papers are in order: *USA (8)*, *China (4)*, *United Kingdom (4)*, *Australia (2)*, *Israel (2)*, and *Italy(2)*.

Countries of Authors	Rejections No Referee	Rejections with Referee	Accepted or Published	In Review
Algeria	3			1
Angola	1			
Australia	4	3	2	2
Austria	1			
Azerbaijan	1			
Bahrain	1			
Belgium			1	
Brazil	3	4		1
Bulgaria	2			
Canada	2	2	1	1
China	41	30	4	4
Cyprus	1			
Denmark		1	1	
Egypt	7	3		

Countries of Authors	Rejections No Referee	Rejections with Referee	Accepted or Published	In Review
Estonia				1
France				3
Germany	1		1	
Ghana			1	
Greece		1		
Hong Kong		1		
Hungary			1	
India	9	8		3
Iran	21	6		1
Iraq	1			
Israel			2	
Islamabad	1			
Italy		1	2	
Japan	5	4	1	
Jordan	3			
Korea		3	1	2
Malaysia	4	2		
Mauritius		1		
Netherlands		1		
New Zealand				1
Nigeria	3			
Pakistan	7	1		
Poland	4	3	1	
Portugal	1			
Romania	4			
Russian Federation	1			1
Saudi Arabia	9	1		
Serbia	2			1
Slovakia	1	1		
Slovenia			1	
South Africa		1		
Spain	1	2		3
Sweden				1
Switzerland		1		
Taiwan	3	1		
Thailand	2			1
Tunisia	5	1	1	
Turkey	9	3		
United Kingdom	1		4	
USA	6	1	8	5
Vietnam	2	2		

Submitted Papers	5/2009 -4/2010	5/2010 -4/2011	5/2011 -4/2012	6/2012 -8/2013 ^o
Unassigned	5	12	unknown	6
In Review (with AE)	54	58	unknown	53
Archived: Rejected	148	132	unknown	118
Archived: Declined (no Referee)	41	34	unknown	139
Withdrawn	2	1	unknown	4
Total Rejected	189	166	unknown	257
Total Accepted	40	44	unknown	101
Total papers processed	231	211	unknown	358

^oHandled by the new Editors from now to 30/06/2015

Submitted Papers	9/2013 -1/10/2014	7/2014 -30/06/2015	1/07/2015 30/06/2016
Unassigned	0	0	0
In Review (with AE)	52	53	21
Archived: Rejected	56	83	77
Archived: Declined (no Referee)	124	106	144
Withdrawn	1	8	8
Total Rejected	180	189	221
Total Accepted	42	58	32
Total papers processed	278	258	282

	Accepted	Rejected	Withdrawn	Received	Accepted %
Total 07-08	37	167	1	272	13.6%
Total 08-09	22	242	2	323	6.8%
Total 09-10	40	189	2	231	17.3%
Total 10-11	44	164	1	211	20.8%
Total 12-13	101*	257	3	358	28%
Total13-14	42	180	1	278	15%
Total14-15	53	189	8	258	20.5%
Total15-16	32	221	8	282	11%

*The 2012 acceptance rate was higher than usual because we were lenient with 'legacy' papers that the Journal had not handled in a timely fashion.

Report on ANZIAM journal – Aust. MS. 2016

The ANZIAM journal continues to run well and is currently up to date.

In the year 2015 there were around 179 submissions to the e- and paper journal (compared to 190 in 2014) and 53 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 28% were accepted. Average review times were 102 days and time to publication averaged just over one year – although many were published online before that date.

Numbers for 2016 are still preliminary and many submitted papers are still in review. Only 20 papers have completed the review process.

The series of papers by the ANZIAM medallists is continuing. Papers from the ANZIAM special conference in China will form a special issue, and we have contracted another special issue in Mathematical Biology, to be led by Ed Green from the University of Adelaide.

Special issues in Nanotechnology and Financial Mathematics appeared during 2015-2016.

The impact factor has remained fairly stable at 0.957, ranked 100 out of 254 of journals in applied mathematics.

During the last year Kerry Landman, Graeme Wake, Regina Burachik, Graham Weir, Hari Srivastava, Vaithilingam Jeyakumar have retired as Associate Editors. We would like to thank all of these people for their contributions over a long period of time. Alona Ben Tal, Boris Baemer, Ed Green and Hinke Osinga have agreed to take a place on the Editorial Board.

Our relationship with CUP continues to be strong. Samira Ceccarelli has continued in her position of overseeing the ANZIAM Journal. CUP has introduced a new platform this year. This seems to be running smoothly so far.

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.

Finally, we would like to pay tribute to the contribution to the journal of Jonathon Borwein, who unfortunately and suddenly passed away during the year. Working for this journal was only one of his activities, but in this forum it is his work on this that we acknowledge. His contributions to the Society and its journals will be missed.

Andrew Bassom and Graeme Hocking
Co-Editors (ANZIAM Journal)
21 October, 2016

BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY

ANNUAL REPORT, 2016

This report covers the period from 1 June 2015 to 30 September 2016.

All editorial work for the Bulletin is now handled electronically. The stability of the system has been excellent since the upgrade in early 2015. 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 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.

The editorial work of the Bulletin is assisted in a major way by the advice of the panel of 19 associate editors and others who are called on to referee papers. The current associate editors are: Bob Anderssen, John Cossey, Brian Davey, Andrew Francis, Joseph Grotowski, George Ivanov, Owen Jones, Gus Lehrer, Richard Loy, Kevin McAvaney, Michael Murray, Patrick Tuen Wai Ng, Hyam Rubinstein, Jamie Simpson, Aidan Sims, Brailey Sims, Don Taylor, David Yost and Wadim Zudilin. I am grateful to them all for their support.

	1 June 2012 – 31 May 2013		1 June 2013– 30 May 2014		1 June 2014 – 30 May 2015		1 June 2015 – 30 May 2016		1 June 2016- 30 Sep 2016	
	No	%	No	%	No	%	No	%	No	%
Total submissions	760		663		781		802		271	
Declines	555	72.8	406	61.2	479	61.3	516	64.3	183	67.5
Withdrawn	9	1.2	16	2.4	12	1.5	14	1.8	4	1.5
Rejected	99	13.0	140	21.1	170	21.8	143	17.8	34	12.6
Accepted	116	15.2	89	13.4	139	17.8	125	15.6	47	17.3
Resubmitted	0	0	0	0	0	0	0	0	0	0
Being refereed	20	2.6	42	6.3	23	2.9	21	2.6	33	

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

Table 1 shows the inflow of papers continues at a record high rate of around 805 papers per year. The proportion of papers declined has increased a little to 65.1%. These papers are returned to authors following an initial culling by the Editor and with the suggestion that they be sent to another journal. Over the last 3 years, the acceptance rate shows a slight upward trend. 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 ½ 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, so the higher acceptance rate may signal a rise in quality. Coincidentally, the impact factor has risen from 0.483 in 2013 to 0.536 in 2014 and 0.566 in 2015.

The Bulletin publishes two volumes a year, with each volume consisting of three issues, each of 176 pages. In 2016, the Bulletin published 106 research articles, 33 PhD abstracts and 1 addendum. 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 2014 (volumes 89 and 90, 117 papers) and 2015 (volumes 91 and 92, 105 papers, 21 PhD abstracts, 1 correction).

	Published 2014 (Volumes 89, 90)				Published 2015 (Volumes 90, 91)			
	R to A	A to O	O to P	R to P	R to A	A to O	O to P	R to P
Median time (months)	1.05	2.7	6.8	10.55	1.1	2.4	3.6	7.1
Mean time (months)	1.9	2.8	6.5	11.2	1.8	2.5	3.7	8.0

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 10 months (in 2015). The average time from receipt of a paper to publication online of around 3 ½ months would be the envy of many journals. Only one specialist journal (*Arch. Hist. Exact Sc.*) does better (according to the Backlog of Mathematical Research Journals, *Notices of the American Mathematical Society* **62**(10) (2015), 1266-1271). The average time to publication in paper of around 8 months ranks 12 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.

Region	Jun 2012 – May 2013			Jun 2013 – May 2014			Jun 2014 – May 2015			Jun 2015 – Sep 2016		
	Rec	Acc	%	Rec	Acc	%	Rec	Acc	%	Rec	Acc	%
Australasia	20	10	50	22	10	45.5	14	6	42.9	19	13	68.4
PhD Abstract	1	1		9	8		19	20		40	39	
Oceania	1	1	100									
Asia	360	41	11.4	352	36	10.2	391	52	13.3	501	57	11.4
Middle East	141	17	12.1	115	6	5.2	129	9	7.0	205	11	5.4
Europe	148	25	16.9	109	13	11.9	135	38	28.1	176	32	18.2
Africa	35	2	5.7	22	4	18.2	42	4	9.5	55	4	7.3
Americas	54	19	35.2	33	12	36.4	51	10	19.6	77	16	20.8
TOTALS	760	116	15.3	662	89	13.4	781	139	17.8	1073	172	16.0

Table 3: Acceptance data by region, 2011–2014

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 quarter of those contacted rapidly lead to 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, 4 authors have taken up this option. In 2 cases, the authors had misinterpreted the conditions and Cambridge University Press agreed to cancel the Open Access at no cost.

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 referees for their expert assessments and the Executive and Officers of the Society for support and encouragement.

John Loxton
 Editor
 10 October 2016

Gazette Annual Report 2016

Sid Morris and David Yost have now completed four years as joint Editors of the Gazette of the Australian Mathematical Society, ably supported by the highly professional Production Editor, Eileen Dallwitz.

Given the small number of unsolicited articles, there would be no advantage in adopting an online submission system. Files are maintained using Dropbox cloud storage, to which 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, in the form of standardised email messages from the authors.

Of the 19 issues produced since we took over, 18 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.

There was discussion at last year's AustMS Council meeting of having a better Facebook presence for the Society. One of the Gazette Editors, Sid Morris, is now an Administrator, with Murray Neuzerling, of the AustMS Facebook page. The page attracts a good number of likes and visits. For example, the post "5 Simple Math Problems No One Can Solve" had a reach of 800 people.

1. Publication Arrangements

The Gazette of the AustMS 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, down from 450 a few years ago.

Material for the Gazette is received in Microsoft Word or LaTeX format. It is published online in pdf format. We have investigated the possibility and advantages/disadvantages of using an e-book format such as ePub instead. There is no satisfactory way to convert pdf into ePub as the converted file has a new line whenever the pdf file does. If it were not for the mathematics in the Gazette, conversion from Microsoft Word or LaTeX would be quite satisfactory. But as yet conversion does not handle all mathematics satisfactorily. So ePub is currently on the back burner.

2. Content

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

- Regrettably, the *Puzzle Corner* has been discontinued. We owe Ivan Guo a debt of gratitude for producing this popular column for six years. The final collection of Puzzles appeared at the end of 2015, with their solutions and prize winners being announced in the May 2016 issue.
- On the other hand, we now solicit reports from each Division of AustMS as well as each Special Interest Group; these contribute once or twice a year as they wish.

- This is in addition to the longstanding communications from the President, the Secretary, the AMSI Director and the Chair of the National Committee for the Mathematical Sciences, which appear in each issue. All these Columns keep members abreast of a range of developments.
- In principle, we are willing to publish *unsolicited technical articles*, but they need to be well written and of widespread interest; the Gazette is not a suitable repository for minor research. 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.
- *Unsolicited educational articles* are often suitable for publication; we encourage general discussion of educational topics. Katherine Seaton announced the online course *Effective Teaching, Effective Learning in the Quantitative Disciplines* in Volume 43(3) July this year. Neville de Mestre wrote an article Volume 43(1) in March ostensibly about Diophantine triples, but really making the case for presenting our dead ends and failed attempts at solutions to students, to reveal how problem solving works in practice.
- The Gazette performs an important task for members by publicising *honours and awards won*. Depending on our 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 Peter Hall, Phil Silberstein, Mirka Miller and John Blake.
- The *General News* focusses 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 *reports from conferences* funded or organised by the Society or AMSI. About a dozen such reports have appeared since our last annual report.
- We publish the annual statistics collected by Peter Johnston on Honours and HDR completions.
- The Gazette publishes *book reviews*; 16 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 and David Yost, Editors

November 2016

Annual Report of Electronic Editor

Prof Tony Roberts

November 3, 2016

- OJS continues to serve article management for ANZIAM, the Bulletin, and some AustMS Awards. Currently we have over 11,450 submissions, rejections and publications tracked in the OJS database.

Should upgrade OJS to version 3.0 sometime in the next year.

- Electronic supplement continues to publish articles for EMAC, CTAC, MISG, general e-articles, and has added MINZ and ANZ-PAMS.
- AustMS has subscribed to CrossRef and I have started issuing DOIs (issued about 1000 so far at a cost of roughly \$300 so far—larger in this first year due to including back issues). Mostly automatic through OJS, although occasional errors in metadata cause problems.

Any publications of the society can now have DOI—ask me.

- Have mostly re-typeset Roger Braddock's history of the Applied Maths Conference and the Division.
- Am now encouraging authors to use the modern BibL^AT_EX instead of BibT_EX. Have updated guidelines for including movies and interactive 3D graphics in articles.
- We continue to ask authors to use an ORCID (especially from countries with many common names).
- L^AT_EXML is promising way to publish in html and/or epub (it was developed for the DLMF project at NIST).
- No progress on *Original Software Publication*.
- Including AustMS Awards and Prizes in OJS caused Hank and I more grief than it should have, due to a finicky XML issue, and differences between current version of OJS and earlier versions.

AUSTRALIAN MATHEMATICAL SOCIETY
LECTURE SERIES

Report to Council 2016

1. Editorial Board

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

I will step down as Editor-in-Chief at the end of 2016, when Professor Jacqui Ramagge will take over as the new Editor-in-Chief. Terms of other members of the Editorial Board run to 31 Dec. 2016. Jacqui and I will make recommendations to the Editorial Committee on extensions/new members for the Board.

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 Timothy Burness and Michael Giudici entitled ‘Classical groups, derangements and primes’ appeared during the year.

(b) The monograph by Peter Nikolas entitled ‘Wavelets’ is expected to appear late this year.

(c) We hope that the final draft of Peter Cameron’s book entitled ‘Notes on counting: an introduction to enumerative combinatorics’, accepted for the series, will be published in 2017.

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

3. Vale: All editors were shocked and saddened at the news of Jonathan Borwein’s death in August, 2016. Jonathan’s book ‘Neverending Fractions’ was published in the Series in 2014 and received excellent reviews, especially in Zentralblatt MATH.

4. The Series:

The first book published in the Series appeared in 1985, and there have been 23 books published to date. The most recent volume was:

No. 24. Classical groups, derangements and primes
Timothy C. Burness and Michael Giudici
Published January 2016

Professor Cheryl E. Praeger
11 October 2016

ANZIAM Report to the AustMS Council 2015/2016

Office Bearers: Mary Myerscough, Chair.
Larry Forbes, Deputy Chair.
Julia Piantadosi, Secretary.
Peter Johnston, Treasurer.

2016 ANZIAM Conference

The 2016 ANZIAM Conference was held at the QT Hotel, Canberra, from 7 to 11 February 2016. The Conference Director was Professor Harvi Sidhu with an organising team drawn from UNSW Canberra, ANU and the University of Notre Dame Australia. There were 197 delegates registered for the Conference. There were 163 contributed talks in total. Of those 75 were student talks. There were nine plenary talks, which included a presentation from the 2015 E.O Tuck Medallist, Professor Troy Farrell from Queensland University of Technology, and from the 2015 J.H. Michell Medal winner, Dr Barry Cox from the University of Adelaide. The Conference Dinner was held at the Museum of Australia.

At the dinner, the 2016 ANZIAM Medal was awarded to Dr Frank de Hoog of CSIRO, recognizing his sustained contribution to ANZIAM activities across the board and his achievements in Applied Mathematics over a long career. The 2016 J.H. Michell Medal was awarded to Assoc. Prof. Joshua Ross, from the University of Adelaide, acknowledging his achievements as an early-career contributor and researcher. The winner of the T.M. Cherry Prize for the best student talk at the Conference was awarded jointly to Ms Adrienne Jenner (University of Sydney) and Mr David Arnold (University of Adelaide). The A.F. Pillow Ph.D. top-up Scholarship was awarded to Mr Alexander Tam from the University of Adelaide. The “Cherry Ripe” prize awarded by the students for the best non-student talk at the Conference was awarded jointly to Dr Melanie Roberts (IBM Research) and Professor Matthew Simpson (QUT).

Mathematics Education Workshop – ANZIAM 2016:

A mathematics education workshop was held at the QT Hotel, Canberra on Tuesday 9th of February, from 1:40 – 7pm. The program included a Teacher Quality Institute (TQI) accredited session running from 4 – 6pm, and discussion and refreshments from 6 – 7pm. This is the first time the ANZIAM conference has included a satellite workshop on Mathematics Education. The aim of the workshop is to bring together academics and high school mathematics teachers to discuss and exchange ideas on mathematics teaching. In particular, the evening of talks and discussions explored mathematics education challenges, such as student engagement and problem solving, and providing examples of novel problems suitable for the development of student mathematical thinking.

Women in Mathematics Lunch – ANZIAM 2016:

The Women in Mathematics Special Interest Group held a special lunch on Monday at ANZIAM 2016. 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. This year's event included a diverse group of speakers: Assoc. Professor Vivien Kirk (University of Auckland), Dr Petra Kuhnert (CSIRO) and Professor Karen Willcox (MIT).

MISG Workshops

MISG 2016 was held at the City West campus of the University of South Australia from 1-5 February 2016. Dr Peter Pudney was the director. Four industry problems were addressed:

- Inference in a knowledgebase (DST Group)
- Sequencing ore extraction to control blend quality (Schneider Electric)
- Modelling water pollutant density associated with surface water runoff (SA Water)
- Optimisation of household PV and storage (Ergon Energy).

In addition to the six industry representatives at MISG 2016 there were about 80 delegates including four delegates from the National Institute of Mathematical Sciences, Republic of Korea, five delegates from Kyushu University, Japan and five delegates from New Zealand. There were about 35 student delegates, including ten from the Industry Doctoral Training Centre.

The 2017 MISG will be held at Flinders University from 1 to 5 February, immediately before the ANZIAM conference.

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

The second Mathematics in Industry New Zealand (MINZ) was held from 4 to 8 July 2016, at Victoria University of Wellington, co-directed by Professor Mark McGuinness.

Future ANZIAM Conferences

The 2017 ANZIAM Conference is being held at The Adelaide Hills Convention Centre, Hahndorf South Australia, from 5 to 9 February 2017. The Conference Director is Assoc. Professor Yvonne Stokes with an Organising Committee made up of applied mathematicians from University of Adelaide, University of South Australia and Flinders University.

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.

AMSI/ANZIAM Speaker and AMSI/ANZIAM Workshops

The AMSI/ANZIAM Speaker for 2017 is Dr Maria Vlasiou, from Technische Universiteit Eindhoven. She will give a series of lectures in the major population centres around the time of the 2017 ANZIAM conference, and her visit is sponsored jointly by AMSI and ANZIAM.

The Early Career workshop in Canberra on 6 and 7 February 2016, the Saturday and Sunday before the 2016 ANZIAM Conference, was jointly sponsored by AMSI, AustMS and

ANZIAM. Participation was lower than expected and the organisers suggest that registration for future Early Career Workshops is included in the registration page for the associated conference (ANZIAM or AustMS) and that it is made explicitly clear that the workshop is for PhD students as well as early career researchers who already have a PhD.

In 2015 ANZIAM has also agreed to provide some support for two meetings (with dates now included since the last AustMS meeting):

Mathematical and Algorithmic Problems in Data Assimilation and Filtering for the Atmosphere and Ocean, held at the University of Sydney, 29 February – 4 March 2016. The Director was Professor Georg Gottwald, however the meeting did not go ahead.

Mathematical Methods for Applications: ANZIAM – ZPAMA Joint Meeting:
Location: Hangzhou, Zhejiang Province, PRC. 11 – 14 November 2016. The Director is Professor Phil Broadbridge and the meeting will be run jointly with the Zhejiang Provincial Applied Mathematics Society in collaboration with SIAM. A verbal report on this can be given to the steering committee. Web site: <http://www.anziam.org.au/ZPAMS>

One other workshop was held in 2016, with sponsorship from ANZIAM:

Animal, Vegetal, Mineral? Emergence and function of complex nanostructures in biological tissue and synthetic self-assembly - 2016 Boden Research Conference, 19 - 23 September, 2016 at Yallingup, Western Australia. The conference was organised by Charlotte Conn (RMIT), Myfanwy Evans (Technical University, Berlin), Stehen Hyde (ANU), Gerd Schoeder-Turk (Murdoch University) and Boda Wilts (University of Fribourg)
Web site: <http://animal-vegetal-mineral.org/>

ANZIAM Financial Situation

The financial situation for ANZIAM has been much improved by Professor Phil Broadbridge's initiative to raise the annual fee to \$30, by the half-share of the ANZIAM Journal profits which AustMS has distributed to ANZIAM (\$17,370.38 in 2016) and by the policy of budgeting a return of \$30 ANZIAM for each delegate who attends the ANZIAM conference. The return from the 2016 ANZIAM conference was \$30,000 without compromising the conference quality, due, in part, to a large attendance. We think Harvi Sidhu and the conference organising committee for their careful management that produced this result.

Unfortunately, as expected CSIRO is not able to continue to fund the Student Support Scheme, for students to attend and give talks at the ANZIAM Conference (primarily), and CTAC. The ANZIAM Annual General Meeting expressed strong support for continuing to provide support for students to attend conferences and the profits from the ANZIAM Journal will, at least at present, provide funds to do this. ANZIAM is enormously grateful to CSIRO and to Dr Frank de Hoog, for their support since 2004.

New ICIAM representative

Dr Michael Plank (university of Canterbury) has agreed to be the new ANZIAM representative on ICIAM (International Council for Industrial and Applied Mathematics).

ANZIAM charitable status

We are currently in the process of re-establishing ANZIAM's status as a not-for-profit organisation. This lapsed after paper mail went to the wrong address. Some minor changes to ANZIAM's constitution will be required to renew this status. The postal address for ANZIAM has been changed to the AustMS business office address.

Relative success rates in ARC funding.

This continues to be of serious concern. This year, according to figures compiled by Martin Wechselberger, there were 21 grants funded in the FOR 0101 code and only 12 in the FOR 0102 code. Data from previous years suggest that there were a comparable number of proposals submitted from each of these codes. The average number of successful proposals per round in FOR0102 has almost halved from 2011-2014 to 2015-2017 compared to FOR0101 where the average number of successful proposals has been reduced by only 16%.

Some factors that may contribute to this include:

- There is only one panel member who identifies with the 0102 code whereas there are two members who do research in the 0101 code areas
- Some proposals from 0102 end up in the EIC panel (broadly speaking, engineering) where they have very little chance of success.
- It was recently shown that highly discipline-focused proposals have a greater chance of success than proposals that cross disciplinary boundaries as many 0102 proposals do (L. Bromham et al. Nature 534, 684–687; 2016).

Members of ANZIAM have suggested a workshop at the ANZIAM conference to increase members' awareness of ways to ensure that their proposal goes to the appropriate panel and have also suggested setting up a working party to identify suitable researchers to nominate for ARC panels. ANZIAM and other professional societies for "interdisciplinary" areas should lobby the ARC to address the assessment of these cross disciplinary proposals better.

Although I only have very limited data, I observe that proposals under the FOR0103 and FOR0104 codes also do not appear to be nearly as successful as FOR0101 proposals.

Collaboration with Japanese Researchers

Links between ANZIAM members and Japanese researchers have been established and strengthened in 2016. This builds on existing initiatives such as the establishment of a branch at La Trobe University of the Institute of Mathematics for Industry (based at Kyushu University) and the invitation of six members of ANZIAM to speak at the JSIAM meeting in September 2016. The 2017 ANZIAM conference organisers plan to highlight talks at the conference which involve Australia-Japan collaborations. The ANZIAM executive has

supported exploring reciprocal membership between JSIAM and AustMS so that a more formal relationship between ANZIAM and JSIAM can be established.

People

Laureate Professor Jon Borwein The ANZIAM community was greatly saddened by the sudden passing of Jon Borwein in August this year. Jon was an extraordinary mathematician with wide-ranging interests. He generously contributed his time and expertise to the Applied Mathematics community in Australian and New Zealand. He is sorely missed.

Honours. It is a pleasure to acknowledge the achievements of ANZIAM members in this past year. These include:

Professor Nalini Joshi, University of Sydney, was appointed an Officer of the Order of Australia.

Associate Professor James McCaw, University of Melbourne, was part of a team led by Professor Leann Tilley that won the 2016 Eureka Prize for Infectious Disease Research.

Dr David Khoury, UNSW, was a finalist in the University of New South Wales Eureka Prize for Excellence in Interdisciplinary Research as part of the Infection Analytics Program group at UNSW. This is the second year in a row that David has been a Eureka Prize finalist. He was also one of three Australian attendees at the Heidelberg Laureate Forum.

Acknowledgement.

I am 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

8 November 2016.

ANZAMP REPORT TO THE AUSTMS, 2015/2016

1. ANNUAL MEETING

ANZAMP's 4th Annual Meeting was held in Newcastle, during 9-11 December, 2015; see (<http://www.anzamp.austms.org.au/meetings/2015/>). 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 Alexandr Garbali from the University of Melbourne.

In response to AustMS moving its Annual Meeting from September to December, it was decided at the 2015 ANZAMP Annual General Meeting to move future ANZAMP Annual Meetings to February.

ANZAMP's 5th Annual Meeting will be held in Kiama, during 1-3 February, 2017. ANZAMP makes every effort to list an international line-up with gender balance. The confirmed list of keynote speakers is:

- Luis Fernando Alday (University of Oxford)
- Bernd Krauskopf (University of Auckland)
- Eric Ragoucy (LAPTh - CRNS)
- Tomohiro Sasamoto (Tokyo Institute of Technology)
- Susan Scott (Australian National University)

2. APPOINTMENT OF ANZAMP EXECUTIVE

Nominations for a new ANZAMP executive were called for in late 2015. One nomination for each of the positions (Chair, Deputy Chair, Treasurer and Secretary) was received. A new executive was therefore appointed without the need for a ballot. The new executive took office at ANZAMP's 2015 Annual General Meeting, and now consists of:

- Tim Garoni (Chair)
- Vladimir Mangezev (Deputy Chair)
- Jon Links (Treasurer)
- David Ridout (Secretary)

3. MEMBERSHIP AND ANNUAL MEETING ATTENDANCE

ANZAMP currently has 212 members, including 79 Ordinary/Sustaining AustMS members, 24 Early Career AustMS members, and 89 Student members.

4. INCOME

ANZAMP's recurrent income is derived entirely through membership fees. Since becoming a Division, members of ANZAMP who are Australian residents are required to be members of AustMS. Each such member pays an additional ANZAMP membership fee, corresponding to 20% of their AustMS membership fee. For Ordinary Members in 2016, this fee was \$27.20. In addition to the ANZAMP membership fee, ANZAMP receives a subvention from AustMS. The income received to date by ANZAMP in 2016 via fees/subvention is \$5,506.31. An external audit was performed, pro bono, by finance staff from the University of Melbourne's ACEMS node. The resulting document is included as an appendix to this report.

Date: October 27, 2016.

5. ACTIVITIES

ANZAMP members have been involved in a number of international research meetings in 2016. The following sample of upcoming/recent meetings advertised on the ANZAMP website gives a sense of the level of activity: *Integrable Systems 2016* (University of Sydney), *String Geometries and Dualities (Australia-Brazil meeting)* (IMPA, Rio de Janeiro) *Topological Matter, Strings, K-theory and related areas* (University of Adelaide), *New Trends in Low Dimensional Physics: Quantum Integrability and Applications* (Chinese Academy of Sciences Beijing, China), *Boundary Degrees of Freedom and Thermodynamics of Integrable Models* (International Institute of Physics, Natal, Brazil), *SUSY 2016* (University of Melbourne), *Interactions between topological recursion, modularity, quantum invariants and low-dimensional topology* (MATRIX, Creswick).

ANZAMP Income Statement

As at 21 September, 2016

Revenue

Opening Balance (Previously held at The University of Melbourne)	\$74,344.86	
ANZAMP Conference Registrations (Newcastle)	\$10,520.00	
ANZAMP Conference Sponsorship (Newcastle)	\$15,000.00	
ANZAMP Conference Sponsorship (Newcastle)	\$384.00	
Member Subscriptions & subvention - 07/03/16	\$3,008.50	
Member Subscriptions & subvention - 07/06/16	\$1,894.51	
Member Subscriptions & subvention - 26/06/16	\$603.30	
Net Sales		\$105,755

Expenses

Newcastle Conference	\$25,520.00	
CBA Term Deposit Ac415850225825	\$60,000.00	
Total Expenses		\$85,520.00

Net Operating Income **\$20,235.17**

Other Income

Interest Income (May - Aug 2016)	2.36	
Total Other Income		\$2.36

Net Income as per Bank Statement: **\$20,237.53**