

Bridging the gaps

By the time this article reaches your eyes, I should have met many of you at your state branch meetings in May. (I am writing this while preparing for the trip).

At the Annual General Meeting, when I was elected, I introduced myself as a 'Bridge'. I like this comparison, and I will repeat it in my first President's Piece.

I was born in Japan and lived through university age. My first thesis was at Akita University, Japan; the subject was on tidal variation of gravity. I came to Australia for the first time during my Master's study. I continued studying at Adelaide University after the Master's degree in airborne magnetics and radiometrics under Professor Boyd. It was at that time that I joined the ASEG. When I looked for employment, the minerals industry was depressed and the petroleum industry was booming. I worked for oil companies as a seismic geophysicist. One of the companies I worked for was the petroleum arm of a large mining company. There I got acquainted with many minerals geophysicists. My past study of airborne geophysics helped in communicating with them. Now I service the construction industry with seismic surveys for geotechnical engineering. I would be a bridge between the minerals, petroleum and geotechnical industries.

My contact with SEG Japan came much later. Several Japanese geophysicists came to ASEG conferences and we discussed the possibility of collaboration. The association agreement was exchanged in 2001. With the Korean SEG joining, the first joint issue of *Exploration Geophysics/Butsuri Tansa/Mulli-Tansa* was published in 2003, which has now become an international joint journal. Through the ASEG Federal activities, particularly looking after travel arrangements of DISC and Distinguished Lecturers (DL) of the SEG and EAGE's Education Travels (EET), I made friends among the SEG and EAGE. I became a bridge between the ASEG and international societies.

In the past 20 years in the ASEG committee, I looked after membership and education committees of the ASEG. These committees required close communication with the state branches and members of the ASEG. I have

been acting as a bridge between ASEG members and executives.

At the Annual General Meeting on 17 April, four new directors were elected: they are Greg Street as President-Elect, Reece Foster re-elected as Treasurer, Barry Drummond also re-elected as Hon. Secretary, and myself as President. On the following day, a new Federal Executive Committee was formed. The members are: Kim Frankcombe, immediate Past President; Mike Asten, Past President; Phil Schmidt, Vice President – Publications; Mark Tingay, Vice President – Education; Phil Heath representing State Branches; Carina Kemp, Webmaster; Katherine McKenna representing the Membership Committee; and Wendy Watkins organising Continuing Education. We welcome Katherine and Wendy, two new members of the Federal Executive Committee. With this strong team, I hope the Society will be run and progress in the next 12 months.

The treasurer reported a healthy financial position of the ASEG after successful conferences in 2012. With this backing, we can enhance membership service in many ways. To start with, the capitation to the state branches has been increased. This enables the branches to plan and carry out more ambitious technical and social programs. We encourage all members to participate in the branch activities. After all, if you do not participate in these, you are subsidising the benefit of other members, rather than receiving the membership benefit for yourself.

An initiative of the Federal Executive is the ASEG's own DISC, of which we still don't have a name. As announced in the last issue of *Preview*, there will be two one-day courses: one for petroleum and the other for minerals. While a specific topic is addressed in the lectures, the scope of these courses is to fill some gaps between academic studies and industry practices, the study of geology/geophysics and exploration application, and geologists and geophysicists. Our past presidents, Dennis Cooke and Mike Asten, have been selected as the first lecturers of these courses. These courses will bridge these gaps.

The Federal Executives is currently drafting a strategic plan for the next

five years, led by Barry Drummond. The last strategic plan was made in 2001 after an intensive membership survey when Brian Spies was president. Some of the plans were accomplished and others were completely forgotten. Since then, the environment around the ASEG has changed. Our conferences and publications are running smoothly as the experience and dedication of those concerned maintain a high standard. Both are well recognised in the academic and industry arenas internationally. For the strategy, we recognise three areas to work on: (i) education; (ii) membership; and (iii) involvement in geoscience debates. These will benefit the science of geophysics and the industry as a customer of geophysics and ultimately benefit members. We will keep this discussion going in state branches for the next few months, and hope to finalise at the council meeting in Melbourne in August. We welcome input from members.

During the state visits, I had a series of meetings with state branch committees. One of the messages I wanted to deliver was that the state branches are the ASEG entity closest to the members. It is state branches that can have face-to-face contact among the members, and the member's voice is best heard through the branches. Although many overseas lecturer's tours are organised at the Federal Executive level, the state branches arrange the on-site work of preparing venues, promoting to local members and meeting travelling lecturers. Some branches have social events such as dinners, excursions and sporting meetings. These help the members and their families to see each other in a relaxed environment. These events are posted on our website and notices are sent directly to branch members by email. So it is important to keep your email addresses current with our membership database. Again, I urge members to contribute to their state branches. Federal Executives maintain close contact with the state branches and are prepared to support their activities. Together with the State Branch Representative to Federal Executives, Phil Heath, I am committed to being a bridge between Federal Executives and State Branches.

Federal Executives recently approved this year's commitment of funding of the ASEG Research Foundation

for supporting seven Honours and postgraduate projects to the value of \$106 500. This is funded by the donation included in the corporate membership fee and voluntary donation from members as well as ASEG's ongoing support. We thank the generous donors. This forms the vital construction material of a bridge towards the future of geophysics in Australia.

The new ASEG website has been running for about half a year and some parts are still under development. There has been an awkward connection between the membership data entered in the website and the main database, causing some delay in updating the information. This should have been fixed and improved by the time this issue of *Preview* is in your hand. The website continues to evolve and will enhance the flow of information of the ASEG. Thanks to our webmaster, Carina Kemp, for her excellent work in constructing this electronic bridge.

On the web front, there is another development in digital publication. *Exploration Geophysics* and *Preview* will be accessed from the SEG's website soon (if not already, by the time of this issue). This will expand the exposure of our publication to the wider geophysical community in the world and improve the credit rating (the impact factor) of *Exploration Geophysics*. Phil Schmidt

and Mike Asten have been tirelessly negotiating with the SEG for several months. This is another bridge created.

Finally, I would like to thank my predecessor, Kim Frankcombe, for his hard work as president in the past year. My task as President-Elect in the past was to support him and learn the skill of leading the Society. He looked after this 'President's Apprentice' very well by guiding me. He has been a great bridge between ASEG's past and present. I will

continue bridging the present and future.

In my work as a geophysicist for geotechnical application, I sometimes investigate the foundations of bridges. Bridges need a strong base. In the Society, this essential foundation is members. I hope to have members' support my function as a bridge.

Koya Suto
koya@terra-au.com



President's Report: Brisbane, 17 April 2013

The 2012–13 year has been a busy one for the Federal Executive committee. It started with a fairly dire financial outlook with our budget forecasts having us in deficit in a conference year. The Brisbane Conference Organising Committee had warned us not to expect the usual surplus that the society has come to rely on in order to deliver services to you, its members. The society might appear to have adequate funds under investment, indeed we are sometimes accused of sitting on too large a balance. However, at current expenditure levels it would only take two consecutive Conferences to break even before we would be close to exhausting those funds and have to make a call on our shareholders...you. Such is our reliance on Conferences to sustain the society. We were therefore delighted when the Brisbane Conference committee told us that we could look forward to a typical surplus figure.

My thanks to all those in the Brisbane Conference team that made a successful technical and networking event also a successful financial event, no small feat when dealing with the most expensive conference venue in Australia. It was a great result.

Brisbane hosted two major geoscience conferences in 2013. The 22nd ASEG Conference and Exhibition and just a few months later, the 34th International Geological Congress (IGC). The IGC was organised through the Australian Geoscience Council (AGC) of which the ASEG is a member. Each of the member societies contributed to a fund to underwrite the conference and provide sufficient working capital to allow the organising committee to run for several years before sponsorship money would come in. Initial budget projections from this conference were also fairly dour

with an expectation that we would get our seed capital back but not a lot more. The reality was quite different and the IGC committee delivered a spectacular surplus that was split three ways, one-third to a student travel scholarship fund to be administered by the Academy of Sciences, one-third to the seed contributors to be split in proportion to the initial seed investment and one-third to the AGC. The organising committee did an outstanding job in not only organising a successful conference but also in creating an environment where the Australian geoscience community has the means to support projects and ideas that would have previously just been distant visions.

Not to be outdone by 'the other mining state' the Western Australian geothermal community ran their second Symposium, WAGES. Again, the Federal Executive

was not expecting anything more financially than a break-even event. However, the WAGES committee surprised on the positive side and delivered a small but significant surplus.

These three events combined to transform a bleak financial outlook for 2012–13 into a much rosier one. It would not have been possible without the hard work of those volunteers on the organising committees, our thanks to you all.

Investing in the future

How have we invested this change in our fortunes? The additional financial security has allowed the Federal Executive to sign off on something we have been discussing for some time, the ASEG's own travelling lecturer programme. We currently have the SEG Distinguished Instructor Short Course (DISC) and Distinguished Lecturers who travel the world, or at least part of it, delivering professional development courses to members. The EAGE run their own successful EAGE Education Tour (EET) on similar lines to the SEG DISC. Both groups fund the course to come to Australia and allow for it to be run in two cities. The ASEG provide additional funding to enable the courses and lectures to travel to all those branches that want it. Both of the SEG and EAGE programmes are aimed at relatively experienced audiences and the Federal Executive saw an opportunity to deliver high-end content to a more junior audience and to cross disciplines and attempt to educate geologists about the use of geophysics. The first two courses will be run this year and preparations are already underway to lock in times and venues.

The executive have also decided to support the state branches in providing scholarships to students. On the condition that they have a transparent application and selection process, approved previously by the executive, each state will be given up to \$4000 to provide scholarships for university students. These can be travel scholarships to ASEG conferences or scholarships to help needy students complete their course.

Since before the time Roger Henderson was in shorts, branch capitation has been set at \$10/head. That is a long time! Capitation is the money that the state branches are given to run their activities. This is clearly inadequate and the result was that branches had to come to the treasurer on a regular

basis seeking funding for particular causes. This was nearly always given but the process created a disconnect between those spending the money and the money supply. Sounds a bit like our governments! To try and give the branches the power to control their own finances without having to come to the treasurer cap in hand, we have decided to increase the capitation to \$40/head. Based on state expenditures over the past couple of years this should see all states living within their budgets and reduce the requirements for top ups from the treasurer. Importantly nearly half your annual dues payment is coming back to your state branch committee. Get involved in your local branch and make sure you get your money's worth!

Working smarter

As well as defining new ways to invest the society's reserves the Federal executive has reviewed the way we do business and decided some changes are needed. To that end we have started a strategic review. A discussion paper will be going out to the state branches to gain their input prior to the council meeting in Melbourne in August. This is your chance to have a say in the future direction of the society and I would encourage you to do so.

We are also undertaking a review of the contract with our secretariat, the current version of which is now over six years old and does not adequately cover what we expect of the roll.

In order to make savings that come directly off the bottom line and which could be handed back in the form of reduced membership fees the executive approved a category of membership that only receives digital copies of *Exploration Geophysics*. This is expected to considerably reduce the cost of printing our flagship journal. That saving has been passed back to you in the form of reduced fees. This measure particularly impacts on our overseas members who pay a postage surcharge along with their membership dues.

Projects completed

Although not strictly completed yet, the principle achievement of the past 12 months has been the launch of the new website. Carina is still working with the developers to add new functionality and fix bugs as they appear. The state

branches will soon have access to it and be able to add content. Our membership database, which is currently sub-optimal, will be revamped to remove a lot of the manual data entry and hopefully provide a more accurate record of our membership.

We have reached agreement with the SEG to provide SEG members with online access to *Exploration Geophysics* just as they currently do with *Geophysics*. This opens our journal up to a huge geophysical audience and in doing so increases its visibility and citation index. The citation index of *Exploration Geophysics* has increased steadily over the past two years largely due to the efforts of our publishers CSIRO Publishing. To those working in the publish or perish business, citation index is everything and a journal with a high index attracts more high quality papers than one with a lower index.

After a few years in gestation, the long awaited book from Dave Isles and Lee Rankin on aeromagnetic data interpretation is with the publisher. It was originally intended that it be published as a book; however, technology has caught up with it and it is now being published as an e-book, our first but hopefully not last. It will be jointly published by the SEG, which will expose it to a wider audience.

Other achievements

For our main publications, *Exploration Geophysics* and *Preview* we have signed a new five-year contract with CSIRO Publishing to produce the journals. This comes after a long and complicated tender process, which saw our requirements changing as time passed because of negotiations with the SEG and the move to digital publications. There was considerable relief on both sides when the final agreement was signed.

After trialling a joint issue of *Exploration Geophysics* with the Japanese and Korean Geophysical societies we have formalised the arrangement so that future editions of the journal will be jointly produced. This provides us with a larger pool of authors and instantly increases our readership numbers. This agreement was a long time in the making and the Publications Committee is to be congratulated for their perseverance.

In July last year, having worked hard for three years to build on the work of

previous editors, Ann-Marie Anderson-Mayes handed on the *Preview* editor baton to John Theodoridis. John has some big shoes to fill but is already starting to put his stamp on the magazine.

Our conferences might only come around every 18 months but it takes at least two years to pull a conference together and the Melbourne organising committee is nearing the home straight on their journey. In Perth, a committee has just been formed to plan the following conference in 2015. The Melbourne Conference organisation is well underway and a draft programme and workshop outline has been released. If you have not already registered I would encourage you to do so soon and hope to see as many of you as possible there.

The ASEG has joined forces with the Chinese, Korean and Japanese Geophysical societies along with the SEG to create a pan-Pacific Near Surface Conference. Although there has been a considerable amount of discussion as to what Near Surface really means the ASEG has held the view that it relates to the fields of engineering, environmental and archaeological geo-science. On their own, none of the groups involved has sufficient membership in this category to hold a significant international event. However, when combined, we can offer a platform to showcase the very best in near surface geophysics from around the Pacific. The first event is scheduled to be held in China in July, the next in Hawaii and at this stage the third one will be held in Australia in 2017.

At the other end of the geophysical depth spectrum is the group working on deep exploration under Australia's formidable noise blanket of cover. The UNCOVER initiative sprang from the Academy of Sciences and to some extent has already been adopted by our national and state surveys. However, its work extends beyond that and will require the input of industry users to guide the process so that we can improve Australia's relatively poor recent greenfield's discovery rate, particularly in the world class deposit category. This will not be possible without geophysics but it is unlikely that doing more of what we have previously done is the answer. New tools and new ways to use those tools will have to be developed to leverage the physics so that we can better image the geology – that is what we do! There is an informal UNCOVER session as part of the Melbourne Conference and

a special workshop later in the year run by the UNCOVER group. I encourage you all to get involved and make sure the organising committee understands the importance of planning for improved geophysical input to their mapping and how they might achieve that.

The ASEG has for many years supported the work of the postgraduates and researchers who will be in the box seat to develop any new technologies required by UNCOVER. It does this through the ASEG Research Foundation who each year provide recurring grants to postgraduate students to help defray logistical expenses in completing their project. Last year the executive approved a record \$112 000 in grants, up from around \$70 000 the previous year. This grant from the ASEG includes individual donations from our members and our corporate members. You may not know that 80% of the corporate and corporate plus membership fee goes direct to the research foundation. Our corporate members deserve a great thank you for their help and to those of you who have donated individually a special thank you.

During the year the Technical Standards Committee of the ASEG generated a new standard format for the digital transfer of electrical geophysical survey data, ASEG-ESF. This is designed to form a new standard for the transfer of all electrical survey data including those from IP, EM, CSAMT and ERI surveys in particular. It is in the process of being ratified by the state surveys as an acceptable format for data submission and is intended to capture all the information about a survey in a well defined format accessible to all. It is available for download from the ASEG website.

Concurrent with the development of a data transfer standard, a small group of contractors formed the Ground Geophysical Survey Safety Association (GGSSA) to develop a standard safe operating procedure for the high-powered transmitters used on these electrical surveys. It is intended that the standard they have developed will be certified by Standards Australia and used as the basis for operating under State Mines Acts. In a literal reading of these acts as they currently stand, the use of equipment we have previously operated without major incident in Australia is not permitted and so various ad hoc processes have been developed to allow the surveys to continue.

The ASEG is one of a global group of learned societies representing a regional group of geophysicists. We already have sharing arrangements in place with the South African, Indian, Chinese, Korean and Japanese societies as well as special arrangements with the EAGE and SEG. This year we added the Brazilian Society of Geophysicists SGBf to the list of societies we share with. This gives each society a free booth at each other's conference to promote our region and importantly for you as members it gives you access to publications from those societies at member rates. The Brazilian Society will join the others in the group above in exhibiting in Melbourne and we welcome them.

Losses

Something I had not prepared for when taking on the role of President was to be writing obituaries for members who died much too young. This year we lost Pete Elliot and Jodie Gillespie a few months apart. Our sympathy and hopes for the future go out to both families. I hope that Koya does not find himself writing similar articles and that we have a serious accident and illness free year.

Acknowledgements

In closing I would like to acknowledge those people who left the executive in the past 12 months. Cameron Hamilton left early last year to travel the world, Dave Denham handed over his position of secretary last year but stayed on the executive until the IGC in Brisbane. Dennis Cook steps down from his position of immediate past president to take up a role on the SEG executive at this AGM and Mike Asten who has been Past President for three years and has overseen the publications agreements with the SEG and between the ASEG and the KSEG and SEGJ is taking a well earned rest but offered to stay on until the Melbourne Conference to keep the executive up to date with progress there. On behalf of all our members I thank these volunteers for the time they have given, over many years, to make the society work better for us all.

Thank you for the opportunity to be your President for 12 months and I wish Koya all the best for the next 12.

Kim Frankcombe – Immediate Past President
kfrankcombe@iinet.net.au

Treasurer's Annual Report for 17 April 2013 AGM

Audited financial statements for the year ending 31 December 2012 for the Australian Society of Exploration Geophysicists are presented. The financial statements refer to the consolidated funds held by the society as a whole, including the State Branches.

The Society's funds are used to promote the science and profession of geophysics throughout Australia. In 2012 this was achieved by:

- funding publications (*Exploration Geophysics*, *Preview* and the *Membership Directory*);
- supporting State Branch functions;
- funding the national administration of the Society;
- continuing education programs;
- provision of loans and grants for conventions;
- provision of subsidies for student members; and
- support for the ASEG Research Foundation.

As of 31 December 2012, the Income Statement for the year shows a net surplus of \$272386 and a Total Equity of \$1282299. The result is much better than the budgeted deficit of -\$79900, largely due to the additional extraordinary income from Conferences.

The Society's revenue source continues to be derived from:

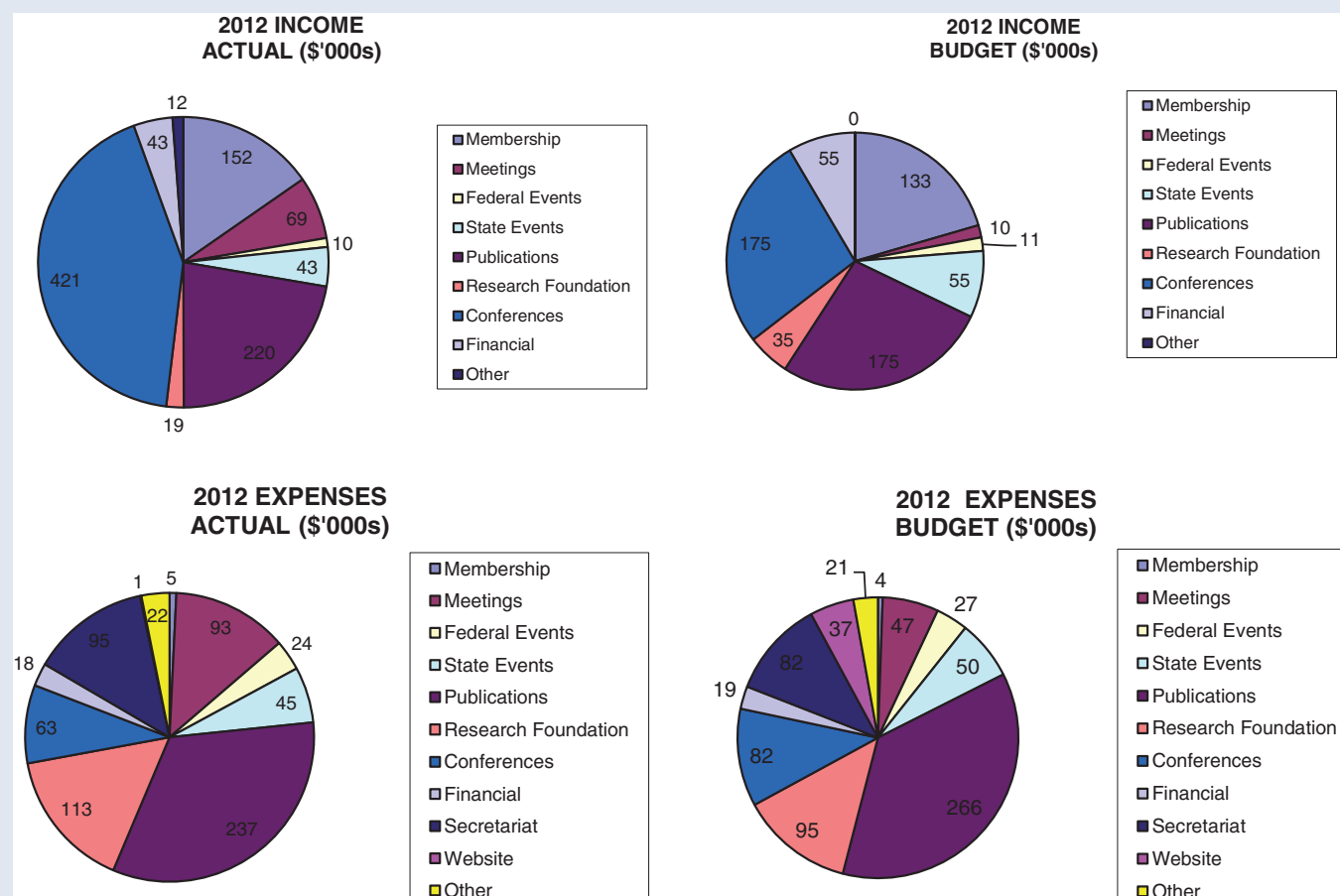
- publications advertising: \$220 000 (125% of budget item);
- membership subscriptions: \$152 000 (114% of budget item);
- events and sponsorship: \$134 000 (177% of budget item);
- conferences: \$421 000 (241% of budget item);
- interest from accumulated investments: \$43 000 (78% of budget item); and
- donations to the Research Foundation: \$19 000 (55% of budget item).

The actual income for the year was 152% of the budgeted income. The most significant increase was income

from Conferences (ASEG (\$270 667), IGC (\$103 000) and WAGES (\$43 000)), and Publications advertising increased by \$68 000 from the previous year. Approximately 88% of the society's funds are held in term deposits to take advantage of the best interest rates.

The major expenses for the Society include:

- publications: \$237 000 (89% of budget item);
- events: \$184 000 (128% of budget item);
- research Foundation support: \$113 000 (119% of budget item);
- secretariat fees: \$95 000 (117% of budget item);
- conferences: \$63 000 (77% of budget item);
- financial: \$18 000 (97% of budget item); and
- all other expenses: \$6000 (16% of budget item).



Charts of income and expense items.

Expenditure was 98% of the budgeted expense. State Branch event costs were higher than budgeted, which reflects an increasing level of support for branches and members. The publication costs were less than expected and conference expenses were also down. There was also a contingency of \$37 000 in the 2012 budget for website costs. However, while there was \$34 000 expended on development of the website, this has been capitalised as an asset to the balance sheet.

Payments to the Research Foundation have been implemented to provide more clarity and certainty to the management of the Foundation and support for geophysical research.

The Society is in a very sound financial position going into 2013. The equity held will cover the uncertainty of income from future conferences.

I acknowledge the help and support provided by CASM staff and in particular the bookkeeping of Jerry Lee Jones and Joy Huang in the management of the financial affairs of the Society.



Reece Foster
Honorary Treasurer

Helping to target your resources

Next time you need a survey, call Zonge.

- use our **high powered** systems and latest technology for:
 - surface 2D and 3D IP/EM/NanoTEM/CSAMT/AMT/NMR
 - downhole IP/EM/MMR/NMR
- experienced, safe teams in any location
- efficient survey design
- quality data second to none
- highly responsive service

Call Zonge today +61 8 8371 0020

e zonge@zonge.com.au

w zonge.com.au

Electrical geophysical solutions

*Resource exploration, environmental
and geotechnical applications*



ASEG Federal Executive 2013–14

President, International Affairs Committee – Chair:
Koya Suto
Tel: (07) 3876 3848
Email: koya@terra-au.com

President Elect: Greg Street
Tel: (08) 9388 2839
Email: gstreet@iinet.net.au

Vice President, Publications Committee – Chair:
Phil Schmidt
Tel: 0410 456 495
Email: phil@magneticearth.com.au

Vice President, Education Committee – Chair:
Mark Tingay
Tel: (08) 8303 3080
Email: mark.tingay@adelaide.edu.au

Immediate Past President: Kim Frankcombe
Tel: (08) 6201 7719
Email: kfrankcombe@iinet.net.au

Past President: Michael Asten
Tel: 0412 348 682
Email: michael.asten@sci.monash.edu.au

Secretary: Barry Drummond
Tel: (02) 6254 7680
Email: barrydrummond@bigpond.com

Treasurer: Reece Foster
(Finance Committee – Chair)
Tel: (08) 9378 8000
Email: foster.re@hotmail.com

Committee Members

State Branch Representative: Philip Heath
Tel: (08) 8463 3087
Email: philip.heath@sa.gov.au

Web Committee – Webmaster: Carina Kemp
Tel: 0412 514 075
Email: carina.kemp@ga.gov.au

Membership Committee – Chair:
Katherine McKenna
Tel: (08) 9477 5111
Email: katherine.mckenna@gpxsurveys.com.au

Continuing Education: Wendy Watkins
Tel: (02) 9921 2010
Email: WWatkins@agl.com.au

Chair people for Standing Committees (not on FedEx)

Research Foundation – Chair: Philip Harman
Tel: (03) 9909 7655
Email: phil.harman@gop.com.au

Research Foundation – Donations: Peter Priest
Email: priest@senet.com.au

ASEG History Committee – Chair:
Roger Henderson
Tel: 0408 284 580
Email: rogah@tpg.com.au

Conference Advisory Committee – Chair:
Michael Hatch
Tel: 0417 306 382
Email: michael.hatch@adelaide.edu.au

Honours and Awards Committee – Chair:
Andrew Mutton
Tel: (07) 3278 5733
Email: andrew.mutton@bigpond.com

Technical Standards Committee – Chair:
David Robson
Tel: (02) 4931 6717
Email: david.robson@industry.nsw.gov.au

ASEG BRANCHES

Australian Capital Territory

President: Carina Kemp
Tel: (02) 6249 9228
Email: carina.kemp@ga.gov.au

Secretary: Millie Crowe
Tel: (02) 6249 9846
Email: millie.crowe@ga.gov.au

New South Wales

President: Mark Lackie
Tel: (02) 9850 8377
Email: mark.lackie@mq.edu.au

Secretary: Sherwyn Lye
Tel: (02) 8907 7900
Email: sl@bridgeport.net.au

Queensland

President: Fiona Duncan
Tel: (07) 3024 7502
Email: fiona.duncan@bg-group.com

Secretary: Megan Nightingale
Tel: (07) 3839 3490
Email: megan@energeo.com.au

South Australia & Northern Territory

President: Erin Shirley
Tel: (08) 8338 2833
Email: erin.shirley@beachenergy.com.au

Secretary: Joshua Sage
Tel: 0438 705 941
Email: joshua.sage@student.adelaide.edu.au

NT Representative: Tania Dhu
Tel: (08) 8999 5214
Email: tania.dhu@nt.gov.au

Tasmania

President: Michael Roach
Tel: (03) 6226 2474
Email: michael.roach@utas.edu.au

Victoria

President: Asbjorn Norlund Christensen
Tel: (03) 9885 1378
Email: asbjorn_n_christensen@yahoo.com

Secretary: John Theodoridis
Tel: 0427 103 398
Email: jthe1402@bigpond.net.au

Western Australia

President: Anne Tomlinson
Tel: (08) 6254 5000
Email: anne@sgc.com.au
Secretary: CASM (Ron Adams)
Tel: (08) 9427 0838
Email: aseghwa@casm.com.au

The ASEG Secretariat

Centre for Association Management (CASM)
36 Brisbane St, Perth, WA 6000
Tel: Ron Adams (08) 9427 0800
Fax: (08) 9427 0801
Email: aseghwa@casm.com.au

New members

The ASEG extends a warm welcome to 13 new individual members to the society approved in the Federal Executive Meeting held on 18 April 2013 (see table).

Name	Organisation	State/Country	Member grade
Beerworth Jacqueline	The University of Adelaide	SA	Student
Bell Miller	Geokinetics	USA	Active O/S
Clayfield Georgia	Monash University	VIC	Student
Davies Gareth	University of NSW	NSW	Student
Day Kiana	University of Adelaide	SA	Student
Finn Matthew	International Geoscience	WA	Active
Gomes Reynard	Monash University	VIC	Student
Grindey James	Bulletin Resources	QLD	Associate
Huang Guang	Monash University	VIC	Student
Kerr Tracey	Anglo American	UK	Active O/S
Potter Toby	International Centre for Radio Astronomy Research	WA	Student
Richards Lachlan	University of Adelaide	SA	Student
Smith Jeremy	Hiseis Pty Ltd	WA	Active

Service recognition award

President-Elect (Greg Street) presented former Editor of *Preview* magazine (Ann-Marie Anderson-Mayes) with a glass-mounted clock in recognition of her three years of service to *Preview*. Ann-Marie was thrilled to receive this gift from the ASEG. She continues to read every issue of *Preview* with much interest, especially as it is no longer her job to worry about whether there is too much or not enough content.



Australian Capital Territory

The ACT branch has had a busy past few months with lots of visiting academics and professionals to Canberra keeping our calendar very full.

We had a technical talk on 25 March by Niels Christensen, visiting from Denmark, on 'Using geophysical inversion results to extrapolate sparsely measured parameters of interest or How do we solve the problems of derived products: A theoretical, numerical and statistical analysis'. This really got us all thinking about whether we are actually trying to extrapolate more out of the data than what is really there.

We were lucky enough to get Des Fitzgerald of Intrepid Geophysics, who was visiting Geoscience Australia, to talk at a technical night on 16 April on 'Recent innovative geophysics techniques applied to defining geology under cover – a global perspective'.

David Isles, the SEG Pacific South Honorary Lecture spoke to us on 2 May on 'Aeromagnetism – a driver for discovery and developments of Earth resources'. Then a few ASEG members joined Dave for some Canberra night life.

Koya Suto, President of the ASEG Federal Executive, presented a talk to us on 14 May entitled 'Multichannel analysis of surface waves and its applications in Australia'. Koya also met with our Branch Committee to talk about the strategic plan and other initiatives of the Federal Executive.

Four of our members have received Silver Certificates in recognition of 25 years of membership: Peter Milligan, Murray Richardson, Richard Lane and Andrew Lewis.

Coming up we will have a technical meeting in June and a Joint Society Quiz night in July.

Carina Kemp

New South Wales

In March, John Peacock from CGG Veritas gave a presentation on the 'Development of a national standard for ground electrical surveys'. John outlined what was happening and where it was all at. Much discussion followed.

In April, Dave Robson from the Geological Survey of NSW gave a presentation on what was happening

with the New Frontiers Program in 2013. Dave gave an overview about the New Frontiers Initiative and outlined what is planned for 2013 including the impact of the new Exploration Licence Rent. Dave also discussed the proposed new gravity survey in the greater Wagga Wagga region and a planned 250 km of reflection seismic survey in the Yathong Trough in central NSW.

Also at the April meeting we presented Scholarships to our 2013 ASEG NSW Student Scholarships recipients. The recipients are Cameron Perks and Morgan Evans from Macquarie University and Gareth Davies from UNSW. The Scholarships are to assist the students with their geophysics research topics.

An invitation to attend NSW Branch meetings is extended to interstate and international visitors who happen to be in town at that time. Meetings are held on the third Wednesday of each month from 5:30 pm at the Rugby Club in the Sydney CBD. Meeting notices, addresses and relevant contact details can be found at the NSW Branch website.

Mark Lackie



NSW ASEG Treasurer Roger Henderson (centre) with two of the Scholarship recipients: Morgan Evans (left) and Cameron Perks (right).

Queensland

The Federal AGM was held in Brisbane on 17 April. Congratulations to Koya Suto, our new elected President. Upcoming branch meetings in Brisbane include Kendall Lemke presenting 'Depth imaging for time processors' in May and David Isles presenting 'Aeromagnetism – a driver for discovery and development of Earth resources' in June as part of his 2013 SEG Pacific South Honorary Lecture Tour. The Brisbane branch is currently on the lookout for presenters to fill the 2013 program. We invite anybody willing to present to please contact Fiona Duncan (fiona.duncan@bg-group.com)

and extend this invitation to those passing through Brisbane.

Fiona Duncan

South Australia/Northern Territory

Well isn't this year flying by quickly? On 26 March the SA branch of ASEG together with Adelaide University Geological Society (AUGS) hosted a barbeque for students to introduce them to the society. The event also offered a valuable opportunity for students to network with professional geophysicists. The large contingent of students that attended were very interested in learning more about the career options and opportunities available within geophysics once they have completed their studies.

On 26 April Dave Isles presented his talk 'Aeromagnetism – a driver for discovery and development of Earth resources', reminding everyone of the value of aeromagnetism in various applications, including mapping features in sedimentary basins. On the night successful applicants Dennis Conway and Joshua Sage were awarded student honours scholarships. Dennis' project explores regolith heterogeneity on MT surveys and Josh is assessing the risk of fault reactivation in the Collic/Perth basins. Congratulations again to Dennis and Josh and we wish you both the best in your honours year.

In May we welcomed the incoming ASEG president Koya Suto for our technical meeting to discuss 'Multichannel analysis of surface waves'. While in the state, he also met state branch committee members and presented a talk to students at the University of Adelaide.

On the 4 June we will have another technical meeting to be presented by Tim Munday about the paucity of outcrop and if regional scale AEM surveys may be beneficial.

As always please come and join us for our upcoming events. Please feel free to contact me for more information or if you have a presentation that you would be interested in giving to the SA branch.

Erin Shirley

Victoria

On Wednesday 17 April we welcomed the 2013 SEG Honorary Lecturer Dave Isles presenting 'Aeromagnetism – a

driver for discovery and development of Earth resources' at the Kelvin Club. Prior to the presentation the 2013 Annual General Meeting for the ASEG Victorian Branch was conducted in record time. Asbjorn Norlund Christensen and John Theodoridis were re-elected as President and Secretary, respectively, and Theo Aravanis was elected Treasurer (in absentia). By the time of publication Federal ASEG President Koya Suto will have presented 'Multichannel analysis of surface waves and its applications in Australia' on Thursday 16 May at RMIT, Melbourne City Campus.

We look forward to seeing many ASEG Victorian Branch members at the upcoming meetings of the 2013 winter season.

Asbjorn Norlund Christensen

Western Australia

Since the last edition of *Preview*, WA has been busy getting organised for

hosting the ASEG Conference and Exhibition in early 2015. Chris Wijns and Andrew Long will be chairing the organising committee, which has already been established. Look out for a regular column on the conference news in upcoming editions of *Preview*.

We've also had time to hold four well-attended Tech Nights including two special events to accommodate renowned geophysicists Tariq Alkhalifah and Yaoguo Li who were travelling through Perth and kindly made time to present to WA branch members.

In early April, Tariq Alkhalifah from the King Abdullah University for Science and Technology in Thuwal, Saudi Arabia presented to over 60 attendees on 'Unravelling waveform inversion with an eye on the near surface'. Thank you to Andrew Long for organising Tariq to speak and to PGS (www.pgs.com) for sponsoring this event.

The following week Dr Peter Kovac from Fugro Airborne gave a talk on 'Mapping subsurface geological structure

using TEMPEST data, McArthur Basin, Northern Territory'. Thank you to Fugro Airborne (www.fugroairborne.com) for sponsoring that night.

Yaoguo Li from the Colorado School of Mines was in Perth in late April and gave a talk on the Interpretation of magnetic data affected by remnant magnetisation: An effective approach via amplitude inversion and recent case studies. Thanks to Jamin Cristall (Vale Australia) for organising Yaoguo to speak and to Mira Geoscience (www.MiraGeoscience.com) for their sponsorship of that event.

Last, our new federal President Koya Suto presented a talk on 'Multichannel analysis of surface waves (MASW): a tool for the investigation of ground competence' on 8 May. Thank you to GroundProbe for sponsoring the evening's drinks and nibbles. We also took this opportunity to present Silver Certificates to 14 WA members who celebrated 25 years of ASEG membership. Congratulations to David Abbott, Mark Anderson, Richard Brescianini, Nick Fitzgerald, Stephen Ingarfield, Paul

THOMSON AVIATION

Airborne Geophysical Survey







Contact:
Paul Rogerson

P. +61 2 6964 9487
M. +61 427 681 484
E. paul@thomsonaviation.com.au
W. thomsonaviation.com.au

Highest Detail Available

- High Quality Airborne Gravity, Magnetic & Radiometric Survey
- Fixed wing & Helicopter platforms
- Worldwide
- Utilising latest available equipment

Full member of

IAGSA International Airborne Geophysics Safety Association

Jelley, Peter McPherson, Keith Mayes, Allan Perry, Greg Reudavey, Laurence Roe, Denny Rompotes, Mike Szczepaniak and Keith Woollard.

For our upcoming talks and events, check out the calendar here. Events

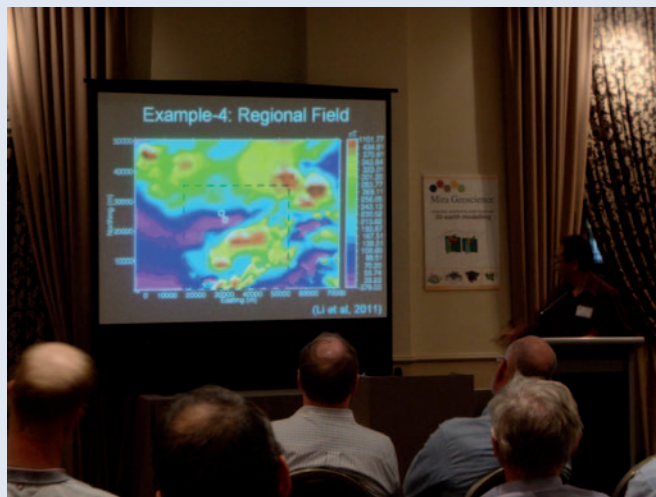
are also posted on the ASEG website. And to make sure you never miss out, sign up to the WA mailing at <http://eepurl.com/nleOD> or follow the QR link below to receive notifications and online registration details for WA events and news.



Anne Tomlinson



WA: Tariq Alkhalifah, King Abdullah University for Science and Technology.



WA: Yaoguo Li, Colorado School of Mines.

Calendar of events for Western Australia

Date	Event	Presenter	Time	Venue
10 July	Tech Night: Seismic illumination on tight reservoir fractures and faults	Vincent Kong, WesternGeco, Perth	1730 – 1930	City West, West Perth
8 August	Tech Night: 4D seismics	David Johnston, ExxonMobil, Houston	1730 – 1930	Technology Park, Bentley
9 August	SEG DISC: Making a difference with 4D: Practical applications of time-lapse seismic data	David Johnston, ExxonMobil, Houston	0800 – 1700	Technology Park, Bentley
19 August	SEG DL 2013: Acquisition modeling: Expect the unexpected	Carl Regone, Houston	1730 – 1930	TBC
26 August	WA Geoscience Careers Night		1630 – 1800 (high school) 1800 – 1930 (university)	Technology Park, Bentley
11 September	Tech Night: Seismics for mineral exploration	Dr Milovan Urosevic, Curtin University, Perth	1730 – 1930	City West, West Perth
9 October	Tech Night: Rock physics / Pore elasticity	Dr Tobias Muller, CSIRO, Perth	1730 – 1930	City West, West Perth
13 November	Student Presentation and ASEG WA Awards Night		1730 – 1930	City West, West Perth
11 December	AGM and Christmas Party		1730 – 2100	TBC