

## Another year gone already!

In a clear demonstration that time is non-linear, another year is drawing to a close. I'd just got used to the idea of it being 2012 and can see I'll have to gear up for lucky 13; hopefully the software marketing people won't hijack it and turn it into 20X3

It has been a busy couple of months in our industry with consolidation in the contracting arena from Geotech taking over Aeroquest and CGGVeritas buying Fugro's Geoscience Division. Although neither of these events would have made it to the finance report in the evening news they are large transactions in our small world. Lion Selection, a company I held shares in for several years, has an interesting clock charting the share market cycle (see [www.lionselection.com.au](http://www.lionselection.com.au): Investment centre > Quarterly Report > 30 April 2011).

Lion believes that the market overall is currently at about 8 o'clock; however, these two transactions would suggest that the geophysical market is at about 5 o'clock and that we are yet to peak! Whether the clock analogy is correct or not, one thing we can be sure of is that this consolidation will, as have all previous consolidations in our industry, lead to the birth of new, small operators (7 o'clock). This new growth is likely to include innovation and significant competition in the acquisition sector. As a user of these services I will add the Aeroquest and Fugro marketing merchandise to my collection of caps, mugs and stubby holders from contractors that are now just memories and look forward to what the future holds in terms of innovation.

It has also been a very busy couple of months for Carina and the web development team and I am delighted that I can finally say that we have a new website. Great work Carina! Currently it has similar functionality to the old site but significant improvements are being added to enable us to communicate with each other in ways that were not previously possible. Thanks also to Staz for keeping the old site limping along for a lot longer than he originally planned.

Last week I attended the very successful Airborne EM workshop put on by the

WA Branch. It was fully booked and included about twice as many geologists as geophysicists. Although presenting to a mixed audience provided a challenge to the presenters, particularly those of us presenting in the EM basics part of the workshop, the lively discussions during the breaks indicated that most people got a lot from it. Congratulations to Anne Tomlinson and Chris Wijns and the Western Australian Branch for a well conceived and run event. The WA Branch is talking about running similar types of events next year. I'd encourage other states to consider doing the same, particularly covering topics of interest to a broader audience than just geophysicists.

You will, or should, have received your membership renewal notice for 2013. There are two important additions to the notice this year. The first is that we are including a digital copy of *Exploration Geophysics* with each membership. Paper copies can still be included, at a small additional charge. Overseas members will only receive a digital copy of *Preview*, but again paper copies can be included for a small fee. We have done this to try and make the cost of membership the same around the world. The high costs of postage for the journals had previously made this impossible. The second important addition this year, is to offer a discount to those that pay their dues on time – before 1 January 2013. In the past we have had a disappointingly large number of people who have left their renewal until September the following year and only paid on threat of excommunication. This wastes a significant amount of both the Federal Executive and the Secretariat's time in chasing late payers. Combined with the carrot of a discount for on time payment, we will be using the stick of withdrawal of membership rights earlier next year. If you have not already done so, I would encourage you to log onto the website and pay your dues now!

I'm writing this at the start of the silly season but by the time this reaches your desk the season will be nearing its climax and many of you will be taking time off work to spend with your families. To

those members, have a good break and we'll see you next year. Others of you will be working through, including over Christmas. There will be a third, smaller group swapping their attentions between family, friends and festivities and emails from the latter group. As someone in the third group I hope that all the contractors have a trouble free end of year and that your data are nice and clean and require minimal intervention from the client's geophysical consultant!

Early next year the process of electing new State Branches will begin, followed by the election of the Federal Executive. If you would like to be more involved in the society why not consider nominating for a position on either your local or the federal committee? In addition or instead of these committees, there are several sub-committees you might consider volunteering your time to. These are particularly relevant to those of you not living in a capital city as most communication is by email and meetings are virtual. There is a contact list of the chairs of these subcommittees on the website if you want more information about what they do and what would be required of you if you joined them.

As always, if you have a gripe about the society or a clever idea you think we might adopt, feel free to drop me a line at [kfrankcombe@iinet.net.au](mailto:kfrankcombe@iinet.net.au).



Kim Frankcombe  
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## New members

The ASEG extends a warm welcome to 17 new individual members (see table) to the society. The Federal Executive approved these members at the 27 September and 29 October meetings in 2012.

Name	Organisation	State/Country	Member grade
Nader Issa	UWA	WA	Associate
Baqir Al-asadi	Curtin University of Technology	WA	Student
Emma Louise Halpin	Macquarie University	NSW	Student
Sean Christopher Herbert	Vortex Geophysics	WA	Active
Andy Jollands	Beach Energy	SA	Active
Easwaran Kanason	Asia Edge Pte Ltd	Singapore	Associate
William Lazell	University of Adelaide	SA	Student
Tye Hapa Maree McKain	Curtin University	WA	Student
Felix Menu	Curtin University	WA	Student
Janet Morrissey	Rio Tinto	WA	Active
Siti Aishah Ridzuan	Curtin University	WA	Student
Muhammad Mudasar Saqab	UWA	WA	Student
Maryam Shafae	CGGVeritas	WA	Associate
Nathan Andrew Tabain	Curtin University	WA	Student
Ben Van der Hoek	UWA	WA	Student
Liam Patrick Webb	MMG	VIC	Active
King Tai Wong	UWA	WA	Student



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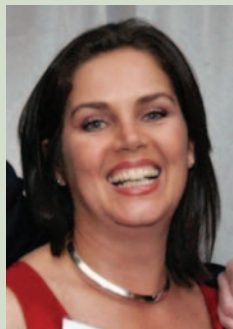
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## Jodie Gillespie: 1972 – 5 October 2012



The passing of Jodie Gillespie, Business Development Manager for Fugro Geoscience division, is received with great sadness.

Everyone who knew Jodie will know that she loved to travel. She travelled frequently for both business and pleasure but tragically and so suddenly, Jodie passed away on 5 October 2012. Jodie will be remembered as a very beautiful woman both inside and out. She had sparkling eyes, a radiant smile and possessed a loving, caring and warming spirit.

Jodie was philanthropic, a humanitarian, socially conscious and deeply concerned about the state of the world. She had great compassion and idealism. Jodie will be remembered for her friendliness and for her kind, sweet and cheerful way. She was a true egalitarian, never prejudiced nor accepting of others' social bias. Jodie was exceptionally intelligent and an amazing networker. She was always impeccably dressed, even on remote field trips. Jodie was at her best when giving, sharing and self-sacrificing for the achievement of a larger goal, never expecting anything in return.

Jodie always represented her company, her industry and herself in the most professional manner. Her honesty, integrity and her sense of responsibility was admirable. She was incredibly well rounded and worldly, comfortable mixing with people from every walk of life, from taxi drivers and hotel porters to company CEOs and government ministers. With each and every person she would be totally engaged and interested in the conversation. All who met her could not help but like her, Jodie was one of the best.

Jodie was born and grew up in Belmont on the eastern shores of Lake Macquarie, New South Wales, Australia. Many a teenage summer's day was spent on the local beaches or around the lake, an area that she treasured. Later, she and her fiancé Rui Goncalves returned to her beloved lake, purchasing property in Marks Point from where they based their international travels.

High school geography began her obsession with rocks, which stayed with her throughout her life. Many times friends have listened to detailed descriptions of how a certain cliff was formed or why a particular rock was a certain shape. Her photo albums contain numerous pictures of rock formations with the odd picture of a friend or colleague.

Jodie graduated with a B.Sc. from the University of Sydney in 1994. Her extensive geographical experience centred on oil and gas exploration as well as minerals. Earlier in her career, Jodie worked for Gerard Daniels, Paras Consulting, American Express and

Geoterrex in both technical fields and management consultancy. For the past 6 years Jodie was Business Development Manager representing the Fugro Geoscience division. In recent years she also held the position of Chair for the International Association of Geophysical Contractors for the Asia Pacific region. Jodie played a crucial role in representing geophysical contractors and lobbying for positive change when industry issues arose with authorities and governments.

Her life was indeed cut short in this world, but Jodie was here long enough to gain the love and admiration of all those who knew her. Her beautiful nature leaves an indelible legacy in the hearts and lives of her fiancé Rui, her parents Frances and Dennis, her sister Nadeene, her brother-in-law David and the host of relatives, friends and colleagues who had the pleasure of her wonderful company. She was an outstanding individual and a true professional.

Her loss will be greatly felt throughout the exploration industry.

Jodie, rest in peace. We will all miss you.

Jodie's funeral was held in Lake Macquarie. Messages of condolence emailed to [forjodie@fugro.com](mailto:forjodie@fugro.com) before 22 October 2012 were presented to her family in a commemorative book.

Rather than flowers, the family suggested donations are made to the 'Jodie Gillespie Memorial Fund' for the Hunter Medical Research Institute. To make a donation, go to secure website [www.hmri.net.au](http://www.hmri.net.au) and click 'donate now'.

## Australian Capital Territory

The highlight in a relatively quiet period for the ACT Branch was the joint-societies Quiz Night on 27 September organised by the local branches of PESA, ASEG, GSA, AusIMM and IAH. A very small ASEG contingent made a big impact – branch Treasurer Tim Jones did an admirable job as Joint Quiz Master, while yours truly was on the winning table. The win was helped by successfully picking the gas–water contact in a seismic section, something that even the table of PESA participants failed to achieve!

Upcoming events include the now traditional joint Christmas BBQ with the local GSA and AusIMM branches on Tuesday 11 December. We are also hoping to hear a talk from Professor John Close from ANU on cold-atom gravimetry. Scheduling this talk is proving a challenge, but the date will be announced via email and LinkedIn.

Ron Hackney

## New South Wales

In September, Ken McCracken from Jellere Technologies and the University of Maryland, presented a talk on the Sun's influence on geophysical phenomena over the past 10000 years, and in the future. Ken discussed how he and his colleagues used 10Be and 14C data to describe how geomagnetic activity, the ionosphere, radiation exposure in space, and the terrestrial climate have varied in the past. Ken also extrapolated their findings to predict what we will experience in the near and more distant future. The talk was enjoyed by all and there was much discussion afterwards.

In October, we held our student night where four students from Macquarie University and the University of Sydney gave talks on their studies. The talks were well received and invoked much discussion. The speakers and the titles of the talks are as follows:

*A fluvial constraint on geodynamic mantle convection models: Australia focus*  
Nicholas George Barnett-Moore, The University of Sydney.

*Geodynamics of Venusian-type planets*  
Samuel Matthews, Macquarie University.

*Constrained 3D magnetic modelling, predicting the resource grade of magnetite at Hawsons Knob, western New South Wales*  
Ristch (Rusty) Camille, Macquarie University.

*Modelling the history of extension and subduction east of Australia*  
Joel Potter, The University of Sydney.



Student presenters with the NSW ASEG President: (L to R) Rusty Camille, Sam Matthews, Nick Barnett-Moore, Joel Potter and Mark Lackie.

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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

### South Australia/Northern Territory

On 25 September we welcomed Miles Davies (General Manager, PACE 2020) to speak on the topic 'What's up with PACE geophysics, anyway?'. His talk outlined the geophysical projects in which the South Australian government is currently involved, including the proposed plan to undertake a gravity survey in the Woomera Prohibited Area (WPA).

Our annual industry night was held on 23 October and filled the Thomas Cooper room at the Coopers Alehouse to capacity. Archimedes Consulting, Zonge

Engineering, AusGeos Consulting, Ginkgo ENP GNG and JRS Petroleum Research all presented company profiles, each describing their services and shared with us some of the geophysical work that they've undertaken.

One hundred people attended the ever popular Melbourne Cup luncheon sponsored by Beach Energy; congratulations to all those who picked winning horses! Many thanks go to Jenni Clifford who organised the event, and to Neil Gibbons who MC'd the event. Thank you everyone who helped out on the day.

Our annual student night, held on 8 November at the Coopers Alehouse, filled the function room to capacity. ASEG Scholarship winners Philippa Murray and Bradley Grosser, as well as Millicent Crowe and Carissa Digance, presented their honours work to 30 industry, consultant, government and university geophysicists. Congratulations go to Carissa whose talk was judged best on the night! Her talk was entitled 'A seismic sequence stratigraphic model of

Miocene reef systems, their depositional environment and implications for shallow drilling hazards in the Browse Basin, North West Shelf, Australia'.

We hold technical meetings monthly, usually on a Tuesday or Thursday, at the Coopers Alehouse in Adelaide beginning at 5:30 pm. New members and interested persons are always welcome. For further details, or if you are interested in presenting a talk to the local group, please contact Philip Heath (philip.heath@sa.gov.au). If you are a SA/NT member and are not receiving emails regarding events, please update your details through asege@casm.com.au.

Philip Heath

### Victoria

The previously announced 24 October Annual Student Night regrettably had to be cancelled due to an insufficient number of submissions – we will try again next year.

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On 6 December we will be hosting the 2012 SEG Near Surface Honorary Lecturer Rick Miller from Kansas Geological Survey presenting 'Near-surface seismic: more than a problem of scale'. This evening meeting will be held at the Kelvin Club, Melbourne Place, in Melbourne's CBD, starting at 6 pm (drinks) for 6:30 pm presentation - RSVP by 3 December to John Theodoridis, ASEG Victorian Branch secretary, at [jthe1402@bigpond.net.au](mailto:jthe1402@bigpond.net.au).

On 16 January Dr Manika Prasad, 2012 Fall SEG/AAPG Distinguished Lecturer, from Colorado School of Mines will present 'Shales and imposters: understanding shales, organics, and self-resourcing rocks'. This presentation will be a joint noon lunch meeting with our PESA colleagues at The Victoria Hotel, 215 Little Collins Street in Melbourne's CBD starting at 12 noon (drinks) for 12:30 pm lunch and presentation. Registration is mandatory by 14 January via the PESA event website: <http://events.pesa.com.au/Default.aspx>

We look forward to seeing many ASEG Victorian Branch members at the coming meetings.

*Ashjorn Norlund Christensen*

## Western Australia

It's been a busy couple of months in WA with two major events being held. The WA Treasurer Amanda Carreno and her team organised a fantastic night on 5 November that brought together young and senior geophysicists for a night of networking at the Melbourne Hotel. We look forward to this Junior Geophysicists Forum becoming an ongoing annual event (see p. 13 of this issue for full details).

The WA Branch also hosted *A Practical One Day Workshop on Airborne Electromagnetics*. This event sold out and attracted over 150 WA-based geophysicists and geologists and also interstate and international visitors (see p. 14 of this issue for full details). We look forward to holding this event annually and focussing on topical near-surface and minerals geophysics themes.

Dr Nicholas Rawlinson presented on the technical aspects of the new National Australian Pool of Ocean Bottom Seismographs at our October Tech Night; Geoscience Australia hosted an extended workshop on the same topic at Minerals House in East Perth the following day.

By the time this issue goes to print, we will have also held our November Tech Night, which will be the annual Student Presentation Night where we will have Honours and Masters geophysics students from Curtin and UWA presenting their research projects. We'll also be presenting the inaugural ASEG WA Awards. This award attracted a strong pool of applications, but it's my pleasure to congratulate Rachael Wood, undergraduate student at Curtin, and Lisa Gavin, PhD candidate at UWA, for each taking out a 2012 award ... congratulations to you both!

We shall wrap up the year with our AGM and Christmas Party at Rigby's Bar in the CBD on 12 December. But before we put 2012 to bed completely, Rick Miller will

be in town presenting his SEG Honorary Lecture on 'Near-surface seismics' at the usual time of 5:30 pm on Thursday, 13 December at the Belgian Beer Café, Perth (note the change in date, time and venue).

The WA monthly Tech Nights are usually held on the second Wednesday of each month at the City West Function Centre, 45 Plaistowe Mews, West Perth starting at 5:30 pm.

All WA events are now being posted on the ASEG website so keep a look out and follow the links for full event details as well as to register online. You can also sign up to our mailing list at <http://eepurl.com/nleOD> to receive email notifications of WA events and news.

*Anne Tomlinson*

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