



Australia and New Zealand form the Australia-New Zealand IODP Consortium (ANZIC), and the two countries have access to all IODP activities. This bulletin provides current news, job opportunities, scholarships and events relating to both national and international scientific communities.

For more information contact:

Website: www.iodp.org.au

Website: www.drill.gns.cri.nz



REMINDER:

AESC submission deadline 14th March, 2014

News from the ANZIC Office

This is the second newsletter for 2014, with four *JOIDES Resolution* expeditions going ahead, *Chikyu* to continue its Nankai Trough deep drilling, and the Europeans to provide a yet-to-be-decided alternative platform expedition. ANZIC expects to have at least eight scientists aboard in 2014.

Twenty of the key Australian ANZIC stakeholders, the Chief Investigators and Principal Investigators on the ARC/LIEF grant, attended an initial consultation and planning meeting at ANU on Thursday 6 February. This turned out to be a great opportunity to bring everyone up-to-date with IODP activities, procedures and plans, and to exchange ideas about the future.

The new ANZIC Governing Council met for the first time on Friday 7 February, under the ongoing Chairmanship of Geoff Garrett, in an optimistic mood. Most of the Council had been to the stakeholders meeting, which had helped put ideas on the table to consider at this meeting. The new Council for 2014 is Chairman Geoff Garrett (Chief Scientist, Queensland Government); Ian Jackson and Richard Arculus (ANU); Chris Yeats (CSIRO); Chris Hollis (GNS Science); Andrew Heap (Geoscience Australia); Stephen Gallagher (University of Melbourne); Jonathan Aitchison (University of Sydney); John Foden (University of Adelaide); Peter Kershaw (Monash University); Jessica Trofimovs (QUT); Neville Exon (Australian IODP Office); and Brian Yates (ARC observer). Five of the full members are new, and there will be a rotation of members over the expected five years of this new IODP program.

Membership and funding formalities are proceeding, with draft contracts between ANU, as the fund manager and all our Australian members sent out for review. Once they are finalised, we can draw on the ARC funding of \$1.8 million for this year. Further, negotiations of Membership MOUs with NSF (US) and JAMSTEC (Japan) are close to conclusion and will be signed by the ANU on behalf of ANZIC.

ANZIC is in good financial shape for the next two years and Council has approved:

- continued funding for post-cruise analytical work,
- Investigation of funding on-shore scientists working in conjunction with current expeditioners,
- A second round of funding for work on DSDP, ODP and IODP legacy material and
- A commitment to repeat the extremely successful Marine Geoscience Masterclass in 2014

Members will be informed as details of these opportunities become available.

The new ANZIC Science Committee will meet face-to-face for the first time at the Australian Earth Science Convention in Newcastle in July. They will continue the considerable discussion of improving our scientific support base and encouraging more people to apply for expeditions.

Finally, the ANZIC Annual Report for 2013 has been printed, and will soon be up on the ANZIC web site (www.iodp.org.au) for your perusal; please contact the office if you would like hard copy/copies. An extensive ANZIC Final Report for the first phase of IODP (Integrated Ocean Drilling Program) should be available by the middle of this year.

Neville Exon & Catherine Beasley

Australian Earth Sciences Convention, 2014 IODP SYMPOSIUM

We emphasise the importance of the IODP Session at the Australian Earth Science Convention in Newcastle, 7-10 July: *Scientific Results of the Integrated Ocean Drilling Program (IODP)*. This is an opportunity to showcase the diversity of research being conducted within IODP and promote understanding and support in the Australian Geoscience community. The symposium is designed to cover past IODP results and future plans, with a number of expeditions happening or likely to happen in our region through until 2017.



Please seriously consider presenting an oral or poster paper at the IODP session, and note the abstract closing date of 14th March. I would be grateful if you would let me (Neville Exon) know of your intention to present a paper and its topic as soon as you make that decision.

Seeking an ANZIC scientist for IODP Environmental Protection and Safety Panel

We are actively seeking an Australian or New Zealand representative for the IODP Environmental Protection and Safety Panel (EPSP), which plays an absolutely critical role in the approval process for IODP drilling programs. In essence the EPSP examines and reviews each proposed site, including site survey data (mainly seismic profiles and geological information) and operational plans, to determine if and how drilling operations can be conducted to maximize safety and minimise environmental impact. This is a fascinating and stimulating role, particularly important because the main IODP vessel involved has no blowout preventers. As you can imagine, there are considerable negotiations between proponents of highly ranked proposals and EPSP, with final safety decisions on drill sites in EPSP's hands.

The Terms of Reference are clear (<http://iodp.org/facility-boards>), but don't mention all the benefits to an explorationist of working with top people from other companies, and the opportunity to review seismic and well data from various frontier areas around the world. With one face-to-face meeting per year, plus email assessments, one is probably looking at 10-12 working days per year. The next meeting of EPSP is from 5 to 7 June in College Station, Texas. All travel costs for this role will be paid for by the ANZIC office, but any representative would have to volunteer their time.

The present Chairman of EPSP is Dr Barry Katz: 'Team Leader - hydrocarbon charge' at Chevron Corporation in Louisiana.

Could you please talk to suitable colleagues, and if they are interested ask them to contact Neville Exon (Neville.Exon@anu.edu.au; phone 02 6125 5131).



Raising awareness of IODP and ANZIC activities among our geological colleagues in industry roles has been raised as an outreach target for the ANZIC Office.

In pursuit of this goal Neville Exon has contributed a three-page article which was published in the February/March issue of *PESA News Resources*. It covered IODP in general and ANZIC's part in it, with particular emphasis on *JOIDES Resolution* as it comes back into our region.

The aim is to get the petroleum industry interested in IODP activities, and especially a newly conceived proposal (or proposals) to drill the black shales, representing global euxinic events and being potential source rocks, of the Great Australian Bight Cretaceous delta. The article has also been published on line in the Society of Petroleum Engineers of Australasia News

Read the article here: <http://iodp.org.au/wp-content/uploads/PESA-News-2014.pdf>

AT SEA

Kelsie Dadd of Macquarie University is at sea on the *JOIDES Resolution* South China Sea Tectonics Expedition 349, which is investigating the different histories of four sub-basins, most of them poorly known. She has a particular interest in the volcanoclastic sediments in the thick largely Neogene sedimentary section overlying volcanic basement. The expedition has a mixture of scientists interested in the sediments from the point of view of Himalayan uplift and the history of the monsoon, and petrologists interested in the nature and history of the basement in different tectonic settings.



Kelsie Dadd aboard *JOIDES Resolution*, Exp 349



Sean Johnson, Exp 347

The description and sampling party for last year's Baltic Sea Paleoenvironment Expedition 347 worked on 1623 m of core from 9 sites for a month in January and February in Bremen, taking nearly 33,000 samples for analysis! Sedimentologist and ore deposit geologist Sean Johnson of the University of Tasmania was our man in the working party, and his special interest is the young sulphide-rich sediments that are common in the post-glacial cores. Initial reports on all sites were completed during this exercise.

Bob Musgrave (Sydney University and NSW Geological Survey) joins the *JOIDES Resolution* Izu-Bonin-Mariana Rear Arc Expedition 350 as a paleomagnetist. He is particularly interested in the implications of this expedition for understanding the architecture, history, and mineralisation setting of the Ordovician Macquarie Arc of New South Wales.



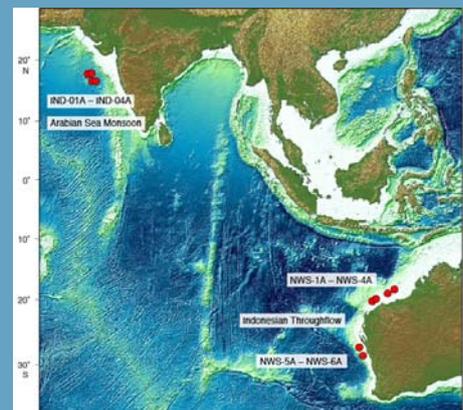
Bob Musgrave, Exp 350

Opportunities to sail in 2015

ANZIC applications for 2015 scientific participation for *JOIDES Resolution* IODP Expedition 353 in the Bay of Bengal and Andaman Sea, and Expedition 354 in the Bengal Fan in the Northwest Pacific, have been assessed and rankings provided to the American organisers. We were pleased to have high-quality applicants.

Applications for two more *JOIDES Resolution* Indian Ocean expeditions will open next month and you will all be informed as soon as possible: Arabian Sea Monsoon Expedition 355; and Indonesian Throughflow Expedition 356 on the Northwest Shelf. Read the Scientific Prospectus at

<http://iodp.tamu.edu/scienceops/expeditions.html>



Exp 355, Arabian Sea Monsoon & 356, Indonesian Throughflow