

Geo-soundings

NEWSLETTER - MAY 2000

Editor: Mrs Rhonda Green
Curtin University of Technology
GPO Box U1987, Perth WA 6845

Prof Norm Uren, Head
Department of Exploration Geophysics

Enquiries: Tel (08) 9266 3408/3565
Fax (08) 9266 3407

Email enq@geophy.curtin.edu.au
www.geophysics.curtin.edu.au

CONFERENCES

The following papers were published in the Conference Edition of *Exploration Geophysics* at The Australian Society of Exploration Geophysicists (ASEG) 14th International Conference and Exhibition which was held in Perth, Western Australia from 12-16 March 2000:

Hartley, B.M., 2000, *Rapid travel time calculations for simple earth models using computer algebra*: *Exploration Geophysics*, **31**, 333-336.

Li, R., Okoye, P., and Uren, N.F., 2000, *Inversion technique for transverse isotropy with a tilted symmetry axis*: *Exploration Geophysics*, **31**, 337-342.

Mackey, T., Lawrie, K., Wilkes, P.G., Munday, T., Kovacs, N. de S., Chan, R., Gibson, D., Chartres, C., and Evans, R., 2000, *Palaeochannels near West Wyalong, New South Wales: A case study in delineation and modelling using aeromagnetism*: *Exploration Geophysics*, **31**, 001-007.

Manuel, C., and Uren, N.F., 2000, *Pre-stack depth migration of seismic multiples*: *Exploration Geophysics*, **31**, 328-332.

Okoye, P., and Uren, N.F., 2000, *Influence of anisotropic elastic parameters on seismic imaging: numerical and physical modelling studies*: *Exploration Geophysics*, **31**, 372-382.

Sherlock, D.H., McKenna, J., and Evans, B.J., 2000, *Time-lapse 3-D seismic physical modelling*: *Exploration Geophysics*, **31**, 310-314.

Sykes, M., 2000, *Analytical computation of EM field components in a uniform half-space*: *Exploration Geophysics*, **31**, 126-133.

PRIZE WINNER

Jason McKenna received a Highly Commended Award for his Poster *3-D Fluid Flow Tomography* presented at the above Conference.

Curtin Geophysics Booth Prize Winners

As in past ASEG Conferences, the Department raffled prizes. This year bottles of Western Australian wine were offered - one for each day of the conference. The four winners are shown below:



Day 1 Prize Winner: Dr Andrew Long (PGS Seres)



Day 2 Prize Winner: Alice Murray (AGSO)

Continued....

CONFERENCES (continued)



Day 3 Prize Winner: Dave Peace (Veritas)



Day 4 Prize Winner: Nigel Fisher (Kenmore Consultancy)

PRIZE WINNERS

PESA WA POSTGRADUATE SCHOLARSHIP AWARD 2000

The PESA (WA Branch) Committee has awarded its inaugural Postgraduate Scholarship to **Mr Jason McKenna**, a full time enrolled PhD student in the Department of Exploration Geophysics. This scholarship is valued at \$5,000 and was presented to Jason on the 20th April at the PESA Technical Luncheon. Jason will be required to give a technical presentation on his postgraduate research at some later date.

PESA UNDERGRADUATE STUDENT PRIZE 1999

The PESA (WA Branch) Committee has also awarded the 1999 Undergraduate Student Prizes, valued at \$500 (each) to **Mr Alexander Pauli** from the Department of Exploration Geophysics, and to Ms Cindy Barber from the School of Applied Chemistry (Geochemistry). This award is presented to students who have shown the most potential in petroleum-related subjects in 1999 and who are likely to pursue a career in the petroleum industry. Alexander and Cindy received their awards at the 20th April PESA Technical Meeting.

PESA NATIONAL SCHOLARSHIP 2000

The PESA Federal Executive has advised that it has decided to award the PESA National Scholarship for 2000 jointly to **Mr Alexander Pauli** from the Department of Exploration Geophysics and to Ms Cindy Barber from the School of Applied Chemistry. Each will receive a cheque for \$2,500 along with a congratulatory letter from PESA. Both students are currently undertaking Honours studies and may be required to give a brief presentation at a future PESA meeting at or near the termination of their theses. The PESA Federal Executive advised that the academic standards of both applicants was outstanding and their respective honours

topics were very relevant to the petroleum exploration industry.

Mr Jason McKenna recently was awarded one of four **B/HERT (Business Higher Education Round Table) Scholarships**. Jason was nominated for this scholarship by Dr Peter Cook, the APCRC Executive Director. Receiving this award enabled Jason to attend the *Leadership and Career Development Course* which was held at the University of Melbourne's Business School between 1-5 May 2000. A story on each of the four winners of the B/HERT scholarships will shortly appear in the publication, *BHERT NEWS*.

We offer our **CONGRATULATIONS** to all of the above prize winners.

SHORT COURSES

MMET 611

Another Masters course in Mineral Exploration Technologies was held at Curtin University from 21-24 March 2000. Course leaders were Dr John Bishop (Mitre Geophysics) and Dr Anton Kepic (Curtin). The title of the course was *Borehole Methods in Exploration (MMET 611)*.

A new **Masters Course in Petroleum Engineering** has been initiated by the new Department of Petroleum Engineering at Curtin. The course is based around a series of units each lasting one week. Both Geology and Geophysics have been included in the course and the Geophysics portion as taught by members of the Department of Exploration Geophysics. This initial offering of the course attracted 12 students with very diverse backgrounds. It is expected that, because of the interest in the course, limits will have to be put on enrolments in the future.

STAFF

Vernon Wilson, Senior Lecturer in Geophysics at Curtin during the period 1987-1999 has recently been appointed Senior Geophysicist/Hydrogeologist with URS Australia Pty Ltd. The company incorporates Dames and Moore and AGC Woodward-Clyde and is part of URS Corporation based in San Francisco.

COMPUTING

PETROSYS SOFTWARE DONATION

We are proud to announce that **Petrosys Pty Ltd** has donated a three user licence of their mapping software to the Department of Exploration Geophysics. This will greatly aid in the teaching and research efforts of the department providing a mapping ability that was not previously available to us. We are most appreciative of this generous donation from which students will greatly benefit.

OTHER NEWS

It was with regret that we heard of the passing of **Prof Dan Loewenthal** from the University of Tel Aviv. Dan had held the position of Visiting Professor in the Department of Exploration Geophysics and had visited the Department on a number of occasions. We offer condolences to his wife, Naomi, and family.