The Department had a booth at the ASEG 12th Geophysical Conference held in Sydney from 23-27 February 1997. A Curtin rugby jumper was awarded as a prize in a business card raffle. SEG President Fred Hilterman, who drew the prize winner, is shown below with the winner Dr Theodore Herzi Asch.

The following papers were presented at the Conference:


The winner of the best paper at the Conference was Chris Dauth who was a former student of this Department. His paper was titled *Airborne Magnetic, Radiometric and Satellite Imagery or the Regolith Mapping in the Yilgarn Craton of Western Australia.*

**PETROLEUM & MINING AUSTRALIA EXHIBITION**

The Department exhibited at the Petroleum & Mining Australia Exhibition held on 12/13/14 March at Langley Park. Various members of staff were rostered to work on our booth during the Exhibition. A competition was organised and the winner of the Curtin Rugby Shirt was Mr Robert Berven.

**ARC GRANTS**

ARC small grants received in the first quarter of 1997 are as follows:

**Bruce Hartley** and **Patrick Okoye** *Analysis of seismic wavefronts and self-diffraction in anisotropic media, physical modelling and visualisation.* $12,000, duration 1 year, commenced on 7/2/97.

**John McDonald** and **Milovan Urosevic** *Seismic response of fractured and compartmentalised hydrocarbon reservoirs.* $10,000, duration 1 year, commenced 5/2/97.

**FIELD TRIPS**

Twenty students and 9 staff attended the First Year field trip to Fairbridge Farm, Pinjarra on 22/23 March. The students visited the ALCOA mine sites on 22 March. The following day they applied different geophysical methods in the field to gain first hand experiences.

**SAND-BOX MODELLING**

As many of you know, PhD student, Don Sherlock, was the first person we know to produce a 3-D seismic reflection data set from a sand-box model. Don is pleased to announce that he has produced reflections from four successive layers to date and is hoping to extend this ability further. The results of such modelling will, in the future, have profound implications for 3-D seismic interpretation and time lapse reservoir modelling (ie 4-D).

**ENROLMENTS 1997**

Total enrolments for 1997 are:

BSc (Geophysics & Hons) 91
1996 Graduates were:

**PhD**
- Brian Evans
- Zhao Ping
- Mohammad Norozi

**MSc (Geophysics)**
- Sue Downie
- Mohammad Norozi

**MSc (MMET)**
- Pervez Cheema
- Charles Poynton

**PostGrad Diploma**
- Nooruddin Al Andanoosi
- Ken D'Cruz
- Dominic Howman
- Ivan Hussein

**BSc (Honours)**
- Kanu Bhana
- Cliff Allen
- John Sumner

**BSc**
- Chris Bishop
- Ross Barret
- Michael Fisherwood

**GradDip**
- Ken D'Cruz
- Dominic Howman
- Ivan Hussein

**BSc (Honours)**
- Lucien DeRooy
- Adam Gebarski
- Andrea Wieman

**GradDip**
- Mohammad Norozi

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CRCAMET NEWS

The following Masters in Mineral Exploration Courses are still to be offered in 1997

<table>
<thead>
<tr>
<th>DATES</th>
<th>COURSE</th>
<th>LEADERS</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-27 June</td>
<td>Advanced EM</td>
<td>Macnae &amp; Asten</td>
<td>Perth</td>
</tr>
<tr>
<td>30 June - 4 July</td>
<td>Borehole Geophysics</td>
<td>Tyne &amp; Bishop</td>
<td>Kalgoorlie</td>
</tr>
<tr>
<td>7-11 July</td>
<td>Regolith Geology</td>
<td>Anand et al.</td>
<td>Perth</td>
</tr>
<tr>
<td>14-18 July</td>
<td>Seismic Methods</td>
<td>Hatherly, McDonald &amp; Urosevic</td>
<td>Perth</td>
</tr>
</tbody>
</table>

For further information contact:
Paul Wilkes  T: (08) 9266 2330  F: (08) 9266 3407
Email: wilkes@geophy.curtin.edu.au

SUMMER SCHOOL

From January 11 to 24, 1997 the second annual ASMV (Australian Student Minerals Venture) Summer School was held in WA for 39 year 10 and 11 school students from NT, SA and WA, funded by the AusIMM.
All of these students are interested in possible careers in Mining and Exploration and their families and the ASMV paid for their participation in the Summer School.
Activities were organised by Curtin, Murdoch, UWA, and WASM to provide practical activities for the students and opportunities to meet with professionals working in Mining and Exploration. Visits to Mine sites and Processing Plants were also included as well as some social events such as a visit to Rottnest Island.
Curtin was the host on two days and provided hands-on activities in Geology and Geophysics. The students enjoyed using geophysical equipment and computer software to provide some insights into the life of professional Geophysicists. We are delighted to report that one of the students from the first Summer School in 1996 has now started her Geophysics course at Curtin and we look forward to more enrolments in future years.
Next year's Summer School will be from 10-22 January '98

VISITORS

Jeno Gazdag (USA), Yoshinara Nakajima (Japan), and Chris Juhlin (Sweden) all visited our Department during February and March.

COMPUTING

The Department is pleased to announce the donation of CogniSeis software Focus 2D/3D, DLPS and VoxelGeo, valued at A$344,000. The Focus and logging DLPS software will be operated from the Department's SunServer displayed on the Silicon Graphics workstations. They will be used for postgraduate teaching of seismic 2-D and 3-D processing, as well as used in research projects. The VoxelGeo, a market leader in 3-D interpretation and visualisation has also been donated and will be used for interpretation projects with input 3-D data sets.

Software

The coal research group has recently purchased a license for Vista 2D/3D software, for field data processing. This software may eventually be used for 3rd year teaching of data processing and manipulation.

Hardware

The coal research group has recently built a 10 cu.in. air-gun for use down-hole and in shallow water. Alongside was built a 12-channel hydrophone streamer for use down-hole and as a bottom-cable. This equipment will allow us to perform cross-hole tomography and VSPs in a mining environment without the concern involved in using explosives. It also offers the potential to record in-shore 2-D and 3-D surveys. If interested call Brian Evans on (08) 9266 7092.
We hope to obtain a high frequency vibrator in the not-too-distant future, and our 96-channel OYO is soon to be upgraded to perform real-time correlation.

EXPLORATION GEOPHYSICS ALUMNI

We have had a number of suggestions that a Geophysics Alumni should be formed. This will enable graduates to keep in touch and meet other graduates from different years. If you are one of our graduates, and are interested in forming an Alumni please fill out the information slip below and post to Ms D Hollingsworth, or, call Deirdre on (08) 9266 3565

Name ..............................................................
Company ...........................................................
Past student/lecturer? ............................................
Know anyone else who needs to know this info? .......