ENROLMENTS 2000

TOTAL ENROLMENTS FOR 2000 ARE:

- BSc (Geophysics & Honours) 98
- Grad Diploma 0
- PostGrad Diploma 2
- MSc (Geophysics) - Coursework 2
- MSc (Geophysics) - Research 2
- MSc (MMET) 3
- PhD 13

1999 GRADUATES WERE:

- MSc (Research)
  - Vernon C. Wilson
- MSc (Coursework)
  - Bui Duc Dung
  - Nicholas R. Gyngell
  - Shoichi Nakanishi
  - Elisabeth Person
- Master of Mineral Exploration Technologies
  - By coursework
    - Paul W. Basford
- Postgraduate Diploma
  - Paul Bouloudas
- BSc (Honours)
  - Ross J. Barnett
  - Ben Bartlett
  - Stuart Bourn
  - Antony P. Brockmann
  - David L. Carter
  - Grant Couston
  - Timothy J. Dean
  - Lucien B. Derooy
  - Philip A. Deshon
  - Alister D. Forsyth
  - Neal A. McCabe
  - Jason J. McKenna
  - Nathan C. Palmer
  - Lee M. Sampson
  - Benjamin L. Sanderson
  - Tenille J. Scott
  - Karoline M. Stark
  - Katherine R. Trigg
- BSc (Geophysics)
  - Brenton J. Armitage
  - Jodie L. Crystal
  - Susannah M. Elvey
  - Megan Evans
  - Alastair J.S. Hee
  - Darren P. Hunt
  - Gerard B. Laurent
  - Gregory G-C. McManus
  - Trang K. Nguyen
  - John K. Odgers
  - Alexander K Pauli
  - Trent B. Shawcross
  - John C. Li Sheppard
  - Gregg J. Speyers
  - Mitchell S. Tomlinson
  - Michael A. Wilkins

Bachelor of Science – Multidisciplinary Science
(majoring in Geophysics)
- L. Robert Bril
- Geoffrey Garton
- Benjamin Hall
- Timothy Mannering

MID-YEAR 1999

- Master of Mineral Exploration Technologies
  - By coursework:
    - Benjamin J. Bell
    - John G. Bell
    - Bruce McMonnies
    - Michael Morawa
- BSc (Geophysics)
  - David J. Andreazza
  - Murray J. Campbell

PRIZE WINNERS

The PESA (WA Branch) Committee has awarded the Elwood Horstman Prize – 1999 to Mr. Antony Brockmann. This prize is awarded to a full-time, postgraduate student studying in an area related to petroleum exploration. Antony, who has just graduated with First Class Honours, was nominated by the Department of Exploration Geophysics for this award. Presentation of this prize will be made to Antony in April at a PESA Technical Meeting. Antony has also been invited to present a 15-20 minute talk on his Honours thesis at a future PESA Technical Meeting in June/July 2000.

Dean’s Prizes (for the best Undergraduate students in the Faculty of Science)
- Mr. Sean Plunkett (BSc Geophysics) – [Best 1st Year Student – Joint winner]
- Mr. Alex Pauli (BSc Geophysics) – [Best 3rd Year Student]

CONFERENCES
The Australian Society of Exploration Geophysicists (ASEG) 14th International Conference and Exhibition will be held in Perth, Western Australia from 12-16 March 2000. The following papers will be presented from this Department:

*Al-Andooni, N., and Uren, N.F.: The use of transverse resistance in the determination of aquifer quality from electromagnetic soundings in the Gascoyne flood plain deposits, Western Australia.

Brockman, A., Duncan, G., and *McDonald, J.A.: Direct hydrocarbon indicators in the Macedon-Pyrenees Field.


*Hartley, B.M.: Rapid travel time calculations for simple earth models using computer algebra.


*Kepic, A.: Avoid pink, go for blue: noise power spectrum preferences in TEM Acquisition.

*Kepic, A., Russell, R.D., Maxwell, M., and Butler, K.E.: Underground tests of the high frequency seisemoelectric method at the Lynx Mine, Canada.


*Manuel, C., and Uren, N.F.: Pre-stack depth migration of seismic multiples.


Person, E., Trigg, K., and *Hartley, B.M.: Experimental observation of wave propagation along interfaces in anisotropic media.

*Sanderson, B.L. and Hartley, B.M.: Seismic preconditioning before autocorrelation based multiple attenuation.


*Thompson, T., Evans, B.J.: Stress induced anisotropy: the effects of stress on seismic wave propagation.

*Urosevic, M., Brajanovski, M., and Evans, B.J.: Attenuation measurements in the South Sydney Basin.


Curtin Exploration Geophysics group hosted a day of activities for the ASMV (Australian Student Mineral Venture) 2000 summer school on January 13 when 34 WA year 10 and 11 high school students came to learn what Geophysics is all about. The ASMV is a very successful AusIMM sponsored annual event now and the students spend 10 days visiting different parts of the mining industry in WA to get careers ideas and to talk first hand with young professionals in the industry. Anton Kepic, Dominic Howman, Brett Harris and Paul Wilkes provided a stimulating day of activities and had the students doing magnetics, electrical, radar and seismic activities followed by image processing and computing. In previous years a very high proportion of the ASMV students have gone on to university courses directly relevant to the mining industry. It is also good to see the various WA universities and industry working together to promote this activity.

FIELD TRIPS

APCRC Field Trip/Workshop

The annual APCRC Staff Field Trip and Workshop was held at Ranelagh House conference venue at Robertson, NSW from Tuesday 15 February to Thursday 17 February 2000. Twelve staff and students attended this Workshop held in the Southern Highlands of NSW. The Workshop was preceded by a field trip along the Illawarra coast from Bald Hill Lookout to Point Kimbla. The trip leader was Peter Ardito, formerly of BHP. Altogether over 80 APCRC researchers attended the workshop, representing each of the seven research programs. Presentations were made by each of the Program Managers and comments were invited from the audience. In addition to reviews of the programs there were presentations on: Project Management, Occupational Health & Safety and a report on a CRC Training Course for postgraduate students. The ever popular Student Poster Competition was won this year by Rosalie Pollock from NCPGG.

First Year Field Trip

18 students and 6 staff attended the annual First Year Field Trip which was again held at Fairbridge Farm, Pinjarra from 26/27 February 2000. Students conducted a seismic refraction survey using equipment on loan from Terracorp Pty Ltd. They set up a magnetometer base station and conducted a survey of the field around a vehicle. A Schlumberger sounding conducted near the refraction line confirmed the depth to the underlying clay layer.

This was followed by a BBQ tea.

On Sunday the group was hosted by Graham Reynolds at Boddington Gold Mine. After a detailed talk on the history and operation of the mine, they toured the open pit. The bus returned to Curtin at 3.30pm to give students the chance to finish other homework.

* Indicates Presenter