



**Next HEDG presentation:
Tuesday 29th November 2011
Customs House, Newcastle**

A western Canadian geo-travelogue: Geology and mineral exploration in British Columbia and the Yukon

Conjoint A/Prof. Philip Seccombe
School of Environmental and Life Sciences,

A/Professor Philip Seccombe, currently Conjoint Associate Professor of ore deposit geology at the University of Newcastle, has over 35 years' experience as an exploration and mine geologist, researcher, educator and company consultant. He has conducted extensive research on a wide variety of ore deposit styles throughout Australia, Canada, Europe, Fiji and Indonesia.

Since winding down his fulltime teaching commitments and research at the University of Newcastle over the last few years, Phil has spent considerable time working as a consultant in British Columbia and the Yukon. This talk will be a geo-travelogue to look at the geology and exploration potential of different commodities in these areas of western Canada. Phil will also share with us the landscapes and some of the unique challenges of exploring in these remote areas.

A/Prof. Seccombe is a member of the Australian Institute of Geoscientists, a Fellow of the Geological Society of Australia, a member of the International Association for the Genesis of Ore Deposits, a Fellow of the Society of Economic Geologists and a Member of the Society for Geology Applied to Mineral Deposits. He is a former Chair of the Specialist Group in Economic Geology of the Geological Society of Australia and Regional Vice-President of both the Society for Geology Applied to Mineral Deposits and the International Association on the Genesis of Ore Deposits. Professor Seccombe has held visiting Professorships at Pennsylvania State University, the University of British Columbia and the Mining University of Leoben, Austria. He has written four books and over 120 journal, conference and technical articles covering a variety of resource commodities.

Drinks and nibbles at the downstairs bar from 6pm, presentation upstairs at 6.30pm.

**Entry is free, but please RSVP for catering by COB on Monday 28th November to
phil.gilmore@industry.nsw.gov.au**



**Resources
& Energy**

HEDG is sponsored by the
Geological Survey of NSW
(Resources & Energy NSW) and the
Geological Society of Australia, Hunter Valley Branch



About HEDG

HEDG formed in 2008 with the aim to increase the interaction between geoscientists in the Lower Hunter, promote geoscience, provide a platform to learn about current research and provide an opportunity for students look at career options.

HEDG

HUNTER EARTH SCIENCES DISCUSSION GROUP

2012 HEDG program

The 2012 HEDG program is currently being organised. Please contact the GSA committee below if there are any topics / speakers you would like to hear about / from. Currently we are planning talks on Coal Seam Gas, Gold Exploration in Ghana, and a field trip to the Port Stephens area.

Recent HEDG event

Over 60 people attended the Earth Science Week 2011 presentation by Dr Silvia Frisia from the University of Newcastle. Dr Frisia's talk was titled 'From icehouse to greenhouse to icehouse: what is "normal" in Earth's climate?', and fitted perfectly with the 2011 Earth Science Week of 'our ever-changing Earth'.

The presentation looked at the dramatic changes in the Earth's climate from predominantly cold (icehouse) to predominantly warm (greenhouse) climates over time, and the factors that may have been responsible for these changes. These include first-order controls, such as insolation, and second-order controls such as Milankovith variations and tectonics. The talk focussed on the 'snowball' Earth climate in the Neoproterozoic (and the sudden onset and end of severe glaciation), the warm climate of the Cretaceous and the relationship to eruptions of large igneous provinces, and Eocene greenhouse conditions. Dr Frisia discussed limitations in the available data and geological record, and how speleothem growth can be used to determine dry and wet periods.

Links to other (local) geoscience resources:

Geological Survey of NSW:

<http://www.dpi.nsw.gov.au/minerals/geological>

Trade and Investment NSW, Mineral Resources & Energy: <http://www.industry.nsw.gov.au/>

<http://www.dpi.nsw.gov.au/minerals>

Sydney Mineral Exploration Discussion Group
SMEDG: <http://www.smedg.org.au>

Amateur Geological Society of the Hunter
Valley: <http://agshv.com>

AusIMM – Hunter Region Branch:
<http://www.ausimm.com.au/content/default.aspx?ID=213>

Geological Society of Australia (GSA), Hunter Valley Branch



GSA provides an opportunity to keep in touch with scientific developments, present the results of work, and contribute to discussions on vocational and scientific topics. See: <http://www.gsa.org.au>

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