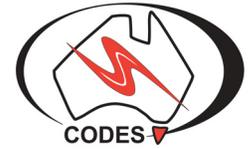




Syntaphral Tectonics and Diagenesis

- 44 years on

A SYMPOSIUM



Thursday 22nd & Friday 23rd November 2007

CODES – The University of Tasmania

Programme

The symposium – *Syntaphral Tectonics and Diagenesis* – was held at The University of Tasmania in mid 1963. This introduced the observations, work and philosophy of John Elliston to the geological community. While the geological ideas, backed by strong chemistry, are still the subject of much discussion, these ideas and the philosophy behind them were very important in ore discovery, definition and exploitation. The philosophy said that conclusions should only be drawn from observation and evidence. This was well expressed by the sign on the wall of one staff geologist – **'NEVER ASSUME'**. That is - conclusions and decisions should be based on first principles before moving on to probabilities.

John Elliston led the Peko and Geopeko exploration team from the mid 1950s till the mid 1980s, and then consulted to industry for a further 20 years. The exploration results from teams where he was involved were quite outstanding, many orebodies were discovered, and many aspects of the applied science and technology are now the basis of industry best practice throughout the world.

The programme below addresses the science, technology and philosophy developed over approximately 50 years and updates concepts formally introduced 44 years ago.

Thursday 22nd November

- | | | |
|---------------|---|-----------------------------|
| 9.00 – 9.15 | Welcome and Introduction. | <i>Professor Ross Large</i> |
| 9.15 – 9.55 | Things that didn't gel – the early days | <i>Rob Ryan</i> |
| 9.55 – 10.45 | Retracing the systematic scientific steps in a voyage of discovery | <i>John Elliston</i> |
| 10.45 – 11.15 | <i>Morning tea</i> | |
| 11.15 – 11.55 | Colloid-Nanoscience processes in diagenesis of sulphide and non-sulphide mineral assemblies -----a 2007 update and perspective | <i>Professor T W Healy</i> |
| 11.55 – 12.35 | Fluid inclusions in quartz: parental solutions or residual gels | <i>Dr Dima Kamenetsky</i> |
| 12.35 – 1.30 | <i>LUNCH</i> | |
| 1.30 – 2.10 | Acceptance of Wegener and/or Carey | <i>Dr John Davidson</i> |
| 2.10 – 2.50 | Role of diagenesis in the concentration of gold in black shale and turbidite-hosted gold deposits | <i>Professor Ross Large</i> |
| 2.50 – 3.30 | Century sulphide, hydrocarbon and source sediment | <i>Jacob Rebek</i> |
| 3.30 – 4.00 | <i>Afternoon tea</i> | |

4.00 – 4.40	Exploration philosophy and application	<i>Brian Williams</i>
4.40 – 5.10	Geophysical aspects	<i>Bob Richardson</i>

Friday 23rd November

9.00 – 9.40	The role of acid and basic intrusives at the Ranger Uranium Mine, NT	<i>Andrew Browne</i>
9.40 – 10.20	Rock fluids and their role in promoting textural change and mineral accumulation	<i>Kim Wright</i>
10.20 – 10.40	<i>Morning Tea</i>	
10.40 – 11.20	Using current physico-chemical principles to find ore	<i>John Elliston</i>
11.20 – 12.00	Regional metamorphism: hindrance or help in the search for ore?	<i>Professor R L Stanton</i>
12.00 – 12.40	Deregulating the mineralising process	<i>Dr Ian Gould</i>
12.40	Closing remarks	

LUNCH

-o0o-

OTHER INFORMATION

Venue: The symposium will be held in the Geology lecture theatre in the Geography – Geology Building. Registration will commence at 8.30am on Thursday.

Symposium Dinner: A dinner for delegates and partners will be held at the Wrest Point Hotel (Casino) commencing at 7.00pm for 7.30pm. This will be an opportunity to catch up with colleagues, to informally encourage geological research, and in particular to cross discipline boundaries by incorporating new developments from other branches of science. *Please advise if there are foods you and/or partner do not eat.*

Accommodation: There are a limited number of choices for accommodation close to the University. The closest is the **Wrest Point Hotel** (Casino) where we have negotiated rates of \$143/room for water edge rooms and \$189/room for tower rooms (these are very good rates for the casino) – mention **Geology Conference** when booking with this hotel. Other accommodation in the Sandy Bay area is **Woolmers Inn, Mayfair Plaza, Wrest Point Motor Inn, and Motel 429**. There are many other places to stay in Hobart and it is suggested you look on the web prior to making a booking at any venue other than Wrest Point Hotel.

Parking: Vehicle parking at the University is very limited indeed. Free parking – marked by yellow lines – is below the oval (off Clarke Street). There is a 5 – 10 minute walk to the lecture theatre.



Syntaphral Tectonics & Diagenesis

44 years on

November 22nd & 23rd, 2007



CODES

Geography-Geology Building (Room 356)
University of Tasmania
Private Bag 79
HOBART Tas 7001

Tel. (03) 6226 2472

Fax (03) 6226 7662

Katrina.Keep@utas.edu.au

This form can be completed on the screen and submitted by mail,

or by e.mail to Katrina Keep

TAX INVOICE ABN: 30 764 374 782

Presentation: Geology Lecture Theatre

Registration desk opens at 8:30 a.m.

Closing date for registrations: Friday 16th November

Important: Registrations will not be processed without payment. Please complete a separate form for each registrant

Name _____

Company Name _____

Street Address _____

City _____ State _____ Postcode _____

Phone _____ Fax _____

e.mail _____

Cost: All registration fees include lunch, refreshments and abstracts volume & include GST

Symposium Fee \$300 \$

Speaker/Retired \$250 \$

Students Free - but must register

Dinner Partner Yes/No (delete as appropriate) \$90.00 per person (_____ persons) \$
(Please advise if you do not eat certain foods)

TOTAL ENCLOSED: \$ _____

All fees are payable in advance. Make cheques payable to The University of Tasmania.

Payment by credit card: (NOTE: American Express and Diners cards **not** accepted by the University)

Card: Mastercard Visa

Card Number: _____ Expiry Date: _____

Cardholder's Name: _____ Signature: _____

CODES

Geography-Geology Building (Room 356)
Private Bag 79
The University of Tasmania TAS 7001

Phone: (03) 6226 2472

Fax: (03) 6227 7662

e.mail: Katrina.Keep@utas.edu.au

Registration Form