



# The Institute of Quarrying New Zealand Inc

## IoQ QUARTERLY NEWSLETTER

Issue No. 9  
December 2006

### Committee 2006:

*President:*

Mr Steve Ellis

*Immediate Past President:*

Mr Brian Bouzaid

*Vice President:*

Mr George Kelcher

Mr Murray Discombe

Mr Warwick Leach

Mr Andrew Dronjak

Mr Tony Adams

Mr Les Ward

*National Secretary:*

Mrs Christine Dodds

### President's Notes:



Well this year has just flown and by the time you get this newsletter you will all be about ready to put your feet up and sit down to Christmas dinner and spend some valuable time with the family.

I attended the Auckland & Waikato Christmas parties and I must say they were well run functions. At Auckland they awarded the Paykel Shield to Ivan Rouse for his services over the years to the Auckland Branch. Well done Ivan you really did deserve this award, your contribution to the Auckland Branch of the I.O.Q. has been outstanding. Also thank you Porters who sponsored the evening it was very much appreciated by all those who attended.

The Waikato evening, as usual, was a well-run affair, Colin Meads was their guest speaker and it was held at the Waikato Rugby Stadium. There were 13 nominees for the Waikato Branch award for the top trainee in the Waikato Region, which was judged by George Cunningham. The award went to Shaun McLean of Stevenson Resources Ltd; well done Shaun you have really worked hard with your Exito training this year, keep it up. A special thanks to all the sponsors of the evening.

To the current Board of the I.O.Q. thank you for your support and input this year and to your employers who allow your time for attending these meetings, without their support this organisation would not be able to function.

Andy Loader & Andrew Robertson put together the format for judging the Winstone Safety Award and we will be calling for nominations in early February 2007. Thank you both for your contribution and for judging in 2006/ 07.

Brian Bouzaid, who represented the I.O.Q. on the Board of Minex as Chairman of this group, has stepped down, thank you Brian for your contribution to this Board and representing the I.O.Q. I am sure your contribution to this Board will stand it in good stead for the future.

In 2007 the Board will be liaising with Metso Minerals Ltd to get the Jim Macdonald Lecture Tours underway under the new format proposed by Metso Minerals Ltd.

The joint committee between I.O.Q. and A.Q.A. will be

finalising the contract with Roger Parton who will oversee the conferences in Wellington 2007 and Auckland 2008.

The Board will also need to find ways of funding the I.O.Q. outside of conference and paid subscriptions to keep afloat of rising costs, ideas will be welcome.

I must finish by thanking all sponsors who sponsored our conferences and Branch meetings this year, your contributions have been outstanding. A big thank you to all Branch Chairman, committees and Executive Board, your support and feedback has been a tremendous help to me.

In closing, I hope you all had a great Christmas and best wishes for a happy New Year. Take care and stay safe.

Steve Ellis,  
*President*  
*Institute of Quarrying NZ Incorporated.*

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**Attended By:**

- David Hogan *Chairman of Presidents Meeting Hong Kong*  
Charles Hollinsworth.....*President UK IOQ*  
Jack Berridge.....*CEO of UK Institute*  
John Melempre.....*President Australian IOQ*  
Greg Bondar.....*CEO Australian AQA*  
Nyet – Lin Chen.....*President Malaysia IOQ*  
Cornel Scheepers.....*President South Africa IOQ*  
Rob Moffitt.....*Branch Chairman South Africa*  
Steve Ellis.....*President IOQ NZ*

All reports presented: Comments from each Branch.

**Hong Kong**

- Approximately 120 members
- Only 3 quarries in Hong Kong
- 50% supplied from China and 50% from Hong Kong. Land at a premium, all land owned by China and renewable in 2047.
- Concrete standards are of the highest standard – very advanced
- Blasting in Hong Kong has lots of limitations – no big productivity in blasting
- SARS still a big problem in China but not advertised
- Concrete truck utilization 11,000M<sup>3</sup> per year per truck
- Cost of cement A\$ 30/40 in Hong Kong.

**Maylasia**

- 200 IOQ members
- Problem paying levies to UK for 2 years; caught up now.
- Struggling to be financial
- Held their conference week prior to Hong Kong; Australia, South Africa & UK attended. It was a joint conference with mining.
- Prices for aggregate very low (concrete aggregates approximately NZ\$6 per tonne)
- 300 Quarries in Maylasia.
- 890 people registered for C.P. training scheme
- CD called 'Making the Link' (Hong Kong secretary has details).

**South Africa**

- 500 members and they can target 700 potential members based in 5 regions
- Financially sound & increasing growth
- Courses in health & safety & environment
- Run their conferences in different regions like NZ
- Changing the Company that produces their magazine
- Lot of new blood coming in to South Africa, younger guys being elected on to Boards, have a balance of old & young
- In 2008 all Quarries will loose their licenses and will have to re apply
- Companies have to release 26% of share holding to black people. Some companies are transferring share holding outside South Africa. Holcim are financing 42% to black people (basically give away). Companies are rated on this program, ie. social programs etc. Black people dictate their jobs in executive positions and Boards.



**Steve Ellis [left] and Andrew Dronjak relaxing in Hong Kong.**



**Quarry site in Hong Kong.**



## United Kingdom (UK)

- Membership at 31,100 members. Many companies only fund 1 member. Strong trade associations, 95% (not suppliers)
- Institute is thriving – 200 people on average to conferences
- All Managers, Directors, CEO's are on Council
- Aggregate market is flat at best, volumes going down last 4 years, starved of funding
- Don't have to have a certificate to manage a Quarry in UK. Companies have to be satisfied a Manager is competent to manage, no clear guidelines. Document is in final draft.
- Now getting younger blood on Council
- One lady member on Council.

## Australia

- Tried to push their Q.M.S. program at meeting, up front costs of A\$200 & \$30 annual fee
- I believe Australia will struggle with this program, only have 8 people signed up now.

## IOQ NZ to do

- Database to be set up by UK, ie. papers, our conference, newsletters etc. This was agreed at South Africa Presidents meeting. Christine to up date Jack Berridge.
- Dictionary of Quarry terms will be on UK web site. UK will give in digital format & copyright free. It is available for our web site.
- Jack Berridge, UK, requested all minutes of our Council meetings be sent to UK branch. I believe this needs to be discussed with our own Council before sending any minutes.
- Questions asked re expansion of the IOQ International. UK replied; didn't think so, although there were possibilities with India, and with expats in the East.
- I believe we should push this through our own Council to UK urging them to expand the IOQ worldwide.

## Future Presidents Meetings

2007 - Australia

2008 - New Zealand, Auckland.

In summary the meeting was a learning experience. One of the main topics was how the Institute could change the way our industry was perceived, ie.

environmentally & as a choice of career. It was agreed unanimously that these problems are the main topics to all countries. It was agreed that Jack Berridge would put a paper together for the next International Presidents meeting in Hobart – Australia. Continuity of meetings is a problem as most Presidents only attend one meeting so it was resolved that at each meeting that past President or incoming President would attend at least two meetings to give continuity at meetings. It was a great exchange of ideas.

## Caernarfon Award

It was decided for the next award in Australia that another criteria will be added to voting papers 'originality'. Five papers were nominated for voting

- Changing the Perception – The Way forward – by Bill Bolsover (UK)
- Tale of an IQA - by Rod Ward - Australia
- Rockies & Rocks – by Rod Ward – Australia
- Quarrying in Iceland – by Andrew Dronjak – NZ
- New Technology in Screening – a Producer's Perspective - by Gert Coffee – South Africa

The winner judged at Hong Kong International Presidents Meeting 2006 was 'Changing the Perception: The way forward' – by Bill Bolsover, UK.



**View of Quarry in Hong Kong – fascinating location!**

*By Steve Ellis*

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**REPORT ON THE AUSTRALIAN QUARRY CONFERENCE  
MELBOURNE - 11<sup>TH</sup> - 14<sup>TH</sup> OCTOBER 2006**

This years Australian Institute of Quarrying Conference was held as part of the first combined Conference made up of the Institute of Quarrying Australia (IOA) and the Cement, Concrete, and Aggregates Australia (CCAA) with the title of "Construction Materials Industry Conference (CMIC 2006)" and a very appropriate theme of "Partnering for the Future".

The Conference was held on Melbourne's South Bank at the Crown Towers Convention Centre and was well attended by around 680 delegates and partners.

The weather in Melbourne for the week of the Conference was fantastic and on the Wednesday the temperature reached 37 degrees which is a lot hotter than most South Islanders like myself are used to.

Registration opened around 6.00pm on Wednesday at Crown Towers and it was straight into the Atlas Copco Welcome Reception. The entertainment for this function varied from very athletic and attractive Belly Dancers to Snake Charmers with the real live snake variety.

The normal round of welcome speeches took place followed by some of the numerous awards on offer being presented. There was a good turn out from delegates and partners and it was great to catch up with acquaintances and friends both old and new.

Thursday was into the business end of the Conference with Jim Playstead as MC. The various papers presented were all of high quality with an interesting format of single papers happening through to 3pm and then the papers being split into three topics being Cement, Concrete and Extractive Industries for the final session. This provided an extremely wide variety of topics to listen to and learn from.

Thursday afternoon saw a shopping tour organized for the partners, sponsored by Hitachi, and I am lead to believe that Melbourne is a pretty impressive place to shop.

Thursday night started with the BT Equipment Happy Hour and then it was off to a mystery destination for the Komatsu Dinner. This involved getting 600 plus people to Flinders Railway Station, onto a private train with the destination being the famous Flemington Racecourse, home of the Melbourne Cup.

This was a well-organised night with some betting taking place on a couple of races, a fine dinner and some excellent singing entertainment that is becoming a bit of a hallmark with Komatsu. I understand that a couple of the group performing were also part of the excellent performance given at the Christchurch Town Hall during the NZ Conference.

It was very nice to meet Terry Last and his wife Caroline, who has just stepped down from being

President of IOQ UK and to be able to discuss a wide range of subjects over dinner.

Friday was another full on day with a wide variety of papers to attend and also the Orica Partners day, all being well attended. A number of the papers were aimed at planning and investment, workplace reform and the Australian Government agenda, again with partnering as the theme.

One particular paper in the afternoon was extremely interesting to me and this was on constructing the Eureka Building, which is situated very close to where the Conference was held, and is reputedly the world's tallest residential tower. The technique of using 100mpa concrete and pumping this up 68 floors, and the upper section of slightly lower strength concrete but pumping the whole 98 floors in one lift was quite fantastic, leading edge construction technique that is world first technology.

Friday night was a free night and along came an invitation for myself and partner Joanne for dinner and an evening out with Australian President, John Malempre and wife Tammy and Conference Chairman Graeme Martin and wife Elsie-May. This was a very relaxing night at a restaurant beside the river on Melbourne's Southbank.

Saturday was another day of papers until 12.30 and then the Mack Trucks Conference Luncheon with another high quality meal. Mack also had an extremely interesting guest speaker in the form of Li Cunxin who wrote the book "Mao's Last Dancer". It was an incredible life story and held the crowd spell bound for a full 40 minutes.

Straight after the luncheon was the Maxim Australia Auction and this raised a very large amount of money for the IOQA.

The IOQA Annual General Meeting was held in the afternoon and then it was time to attend another BT Equipment Happy Hour.

Before long it was time to get dressed up for the formal Caterpillar Gala Dinner and Awards night. Once again we were both extremely well looked after and it was a great night to get around and talk to a lot of other delegates. There was a great band and plenty of fun was had by all with the balance of the Awards being given out to worthy recipients.

The whole Conference was of a very high standard, both in presentation and in content. The overall concept of having a combined Conference with the CCAA worked very well and is being looked at again for the future, possibly every second year with the normal IOQA Conference being held in between.

A very sincere thanks from both Joanne and myself for the hospitality and friendship that was extended to us during the Conference and I thoroughly recommend to any one thinking of attending a future Australian Conference to do so. Next year is to be in Hobart,

Tasmania 24<sup>th</sup> to 27<sup>th</sup> October and will be the 50<sup>th</sup> Australian IOQ Conference.

*George Kelcher ( Vice President IOQ NZ)*

**Can you help?**

### **CAD Technology Helps in Mining Management**

NewswireToday - /newswire/ - Ceske Budejovice, Czech Republic, 12/01/2005 - PSP Engineering a.s. in cooperation with Koral s.r.o. and AAC Solutions s.r.o. developed the software "Presoft Quarry" employing CAD and GIS technology to control mining of non-ore materials in quarries.

PSP Engineering a.s. is a Czech company operating worldwide supplying complete plants, process systems, technological lines, machines and equipment for industry of building materials and treatment of minerals especially for cement plants and lime works. The complete service of "Spatial quarry model for the mining management" meeting the requirements of customers for effectiveness and mining ecology is part of the delivery. The software application Autodesk Map 3D, the add-on application "Presoft Quarry" and MS SQL database are cores of this service.

The spatial quarry model based on unified topographic system ensures exact and clear storage and retrieval of knowledge about the mining locality and as the quarry model is interconnected with the database, it is possible to incorporate material mining management into the information system of the cement plant or other technological unit.

The software applications allow processing, editing and visualization of the spatial quarry model divided into micro-blocks and stage-blocks. Their parameters are calculated by a mathematical extrapolation method from geological and chemical-technological values of geological bores when creating the model. A respective record in the database is linked with each micro-block and stage-block of the spatial model.

The application "Presoft Quarry" allows selection and combination of stage-blocks of the quarry according to their parameters, creation of mining plans, evaluation of additional surveys, construction of virtual bores and calculation of parameters of units mined.

PSP Engineering a.s. worked on the task and idea solution of the application "Presoft Quarry" in cooperation with Koral s.r.o., and AAC Solutions s.r.o., an Autodesk authorized developer, designed the software part. The program is available both in English and in other languages.

Agency / Source: XANADU

Availability: All Regions (Including Int'l)

Distribution: [+] Press Release & Newswire Distribution Network. via PRZOOM - Newswire Today (NewswireToday.com)

**Mike Pallister in Gisborne – email [cadstuff@xtra.co.nz](mailto:cadstuff@xtra.co.nz)** sent the above information to Exito who asked if any of the IoQ members can help with information. Mike is looking for anyone who can help with information of where the above software can be obtained or anything of this kind that is available or in current use in New Zealand.

Also a brochure on the Caterpillar stand at a trade show [re Optimum Truck Nos etc for a given throughput of different grades of aggregate] would also be of interest but he cannot find reference to it on the Gough Cat NZ website.

Any constructive suggestions anyone can send Mike's way would be much appreciated.

## EVENTS/MEETING DATES etc:

Please check the website – [www.ioqnz.co.nz](http://www.ioqnz.co.nz) or contact the local branch for dates of upcoming events.

2007 is up and running, and it is not too early to think about entries for awards – nomination forms and information on the website.

Members who attended the AGM in July 2006 will receive a copy of the IoQ NZ Inc audited accounts received recently.

## NEW MEMBERS:

Please note that certificates have recently been sent to new members who are financial. If your 2006/07 subscription has not been paid please make payment as soon as possible and your certificate can be forwarded to you. If you need further information or a copy of your account contact the National Secretary.

## 2006/07 MEMBERSHIP SUBSCRIPTIONS:

Please check that you have paid your subscription for the 2006/07 financial year as there are still a number of accounts outstanding. If you need to check details or have lost your account please contact the National Secretary. Email enquiries are answered promptly. All non-financial members have been removed from the database as payment of affiliation fees to the UK [due January 07] is based on financial members only. However the details can be reversed once payment is made.



A special note of thanks goes to Brian Bouzaid who has willingly given so much of his time and energy to working on the boards of the Institute of Quarrying and MinEx. Brian is also currently representing the interests of the quarrying sector on the board of Exito.

## SAFETY

### Have you checked the expiry date of your hard hat?

Did you know that safety hats have a use-by date that essentially means they should be replaced every three years especially if they are used regularly? The headband has a shorter life and should be replaced as often as every two years.

When safety gear has been stored in direct sunlight or on a shelf exposed to heat [eg. inside a locked car] the quality will have deteriorated and this may be noticeable by a change in colour. Be aware that there is a need to protect safety helmets from sunlight, heat and chemicals.



**METAL/NONMETAL MINE FATALITY** - On May 19, 2006, a 77-year-old contractor electrician, with 58 years experience, was fatally injured at a construction sand and gravel operation. The victim was checking an electrical motor, contacted an energized conductor, and was electrocuted.

### Best Practices - Before YOU perform electrical work:

- Positively determine which circuit is to be worked on and identify the disconnecting device.
  - De-energize power from the circuit and place your lock on the switch.
  - Use proper Personal Protective Equipment, including rated electrical gloves.
  - Test the circuit for voltage using properly rated test equipment.
- Ground all phase conductors to the equipment grounding conductor with a jumper.
  - When troubleshooting, use extreme caution if you are using temporary connections or wiring.

Sourced from: [www.dol.gov/](http://www.dol.gov/)

**BE PREPARED, STAY SAFE AND MAKE THIS NEW YEAR A HAPPY ONE!**

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