



The Institute of Quarrying New Zealand Inc

IoQ QUARTERLY NEWSLETTER

Issue No. 6

March 2006

Committee 2006:

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Mr Steve Ellis

Immediate Past President:
Mr Brian Bouzaid

Vice President:
Mr George Kelcher

Mr Murray Discombe

Mr Ken Duncalfe

Mr Warwick Leach

Mr Andrew Dronjak

Mr Ken Macleod

National Secretary:
Mrs Christine Dodds

Treasurer:
Mr Mike Stachurski

President's Notes:

WELCOME to 2006 and Issue Six of our Newsletter.

I hope everyone had a good break over the Christmas period and everyone has settled back into work and ready to face this year's challenges.

The Board was unable to secure an overseas speaker for the Jim McDonald Lecture Tours for March 2006 so this has been postponed until November 2006. Ian Rodger of Metso Minerals is looking at securing someone from one of the large Quarrying Companies in either the USA or Europe, in conjunction with their Barmac seminars held in New Zealand.

The Board made a commitment last year to support our Branches with Lecture Tours and to date I believe this has been a success. Andrew Dronjak, presented at Canterbury, Marlborough, Dunedin and Murray Francis at Whangarei, Auckland, Waikato and Palmerston North.

On behalf of the board I would like to take this opportunity to thank these guys for their very interesting topics and of their time along with the sponsors who sponsored the evenings.

Currently membership is approximately 390 and our thanks must go to Andy Loader and George Cunningham who are continuing their drive for new members on their travels around New Zealand.

The Board has now ratified our agreement between IOQ and AQA on the activities we do jointly, which gives future Boards a common understanding of what they formally do together.

At our last Board meeting it was agreed that Brian Bouzaid would be the elected member from IOQ and AQA to represent both organisations on the Exito Board. I would like to thank Brian for his commitment to this role. I am sure we will be well represented.

George Kelcher has represented the IOQ for the last two years and I would like to thank him for his contribution and time on the Board of Exito.

Andy Loader has been appointed as the representative for IOQ to Exito as a member of the Sector Advisory Group due to my resignation. With Andy's experience in training within our industry I am sure he will bring a wealth of knowledge to this group and give us the right outcomes required for training within our industry.

Some challenges for the Board this year are:

- to set budgets and how we can best deliver value to our members
- to produce newsletters to our members
- to support Minex (Health & Safety in our Industry)
- to liaise with AQA on a replacement for running our joint conference
- continue to work with our counterparts in Australia to further build on a better relationship and common goals within our industry
- Exito – continue our support and input into training of our Industries future employees.

Steve Ellis,
President
Institute of Quarrying NZ Incorporated

REPORTS FROM RECENT BRANCH MEETINGS

CANTERBURY BRANCH

The Canterbury Branch of the Institute of Quarrying NZ Inc had a very busy week at the end of February 2006. The week kicked off with a branch meeting on Monday 27th February at the Equestrian Hotel Christchurch, with 48 members in attendance. Luke Mathieson and the team from Real Steel Ltd from Wellington sponsored the evening and also sponsored Andrew Dronjak the Auckland Branch Chairman and winner of the 2003 Caterpillar Travel grant at the Queenstown conference. Andrew presented his "*Iceland - Land of Light and Darkness*" paper. This was an excellent opportunity for members from the southern regions to hear this paper if they hadn't made it to the conference in Waitangi.

The Canterbury branch had a strong turn out with new members receiving their Institute of Quarrying scrolls as well as several current members receiving their 'upgrade' scroll from IOQ President Steve Ellis. Several other notable attendees included Bruce Taylor (President of the Aggregates & Quarrying Association), Brian Bouzaid (past President IOQ) Eric Souchon (past President AQA) and George Kelcher (IOQ Vice President).

From Christchurch, Luke took Andrew on a whirlwind tour of the South Island's east coast including Macraes Flat on the way to Dunedin for an Otago Branch meeting [Wednesday 1st March 06] where Andrew once again presented his paper. Real Steel sponsored the evening.

On 28th February, Christchurch hosted the Aggregates & Quarrying Association Executive Council meeting as well as the Institute of Quarrying Executive Council meeting and an Executive Conference Committee meeting, all conducted at the Copthorne Hotel.

On Thursday Lou Ditmer and Ken MacLeod traveled to Nelson to hold an extraordinary Branch meeting for the Nelson/Marlborough members. We gave a quick brief on the July combined Conference activities and fielded membership inquiries. Andrew Dronjak met us there and presented his Iceland paper to the Nelson/Marlborough members.

Goughs Caterpillar sponsored the evening, and our thanks go to Chris Manson (Goughs, Nelson Branch) and Tony Smith (Goughs National Sales Manager,) who were present for the evening. This was a very beneficial event. Having made contact with our northern members and passed on information regarding the 2006 Christchurch conference, the branch plan is to continue with these Nelson/Marlborough meetings and encourage more speaking tours.

Report by Ken MACLEOD
Canterbury Acting Branch Chairman

THANK YOU TO ALL SPONSORS
of the Institute of Quarrying Branch Meetings!

NORTHLAND BRANCH

The first meeting of the year was held on Wednesday 8th March at Winstone's Otaika Quarry. The guest speaker for the evening was **Mick Cayless** from Auckland who shared his experiences from a career in Explosives which began with the military.



On Monday 13th March the first of **Murray Francis'** presentation on '50 Years of Mobile Crushing' was presented at Winstones Otaika to the Northland Branch and this was followed by the same presentation at the Auckland Branch on Tuesday 14th March, Waikato/Bay of Plenty branch on Wednesday 15th March and finally on Thursday 16th March for the Taranaki Branch.

AUCKLAND BRANCH

The first Auckland Meeting in February 2006 was hosted by Mounts Wire Industries where **Lindsay Cook**, General Manager of Mounts Wire Industries_describes some of his company's achievements he does so with a quiet passion, and a real sense of pride. After all, not many companies extend back 87 years.



In 1919 Mounts Wire commenced its operations in Newmarket. In those days two brothers, Robert & Lesley Ross ran the operation as Steel importers. Later on the brothers went their own ways; Robert being involved with what is now known as Steel & Tube; and Lesley Ross moved the woven wire business to East Tamaki.

Upcoming Branch Meetings

Waikato/BOP Field Trip	8 April
Auckland Branch Meeting	19 April
Waikato/BOP Branch Mtg	3 May

Details of upcoming branch meetings are on the website www.ioqnz.co.nz, or check with your Branch Chairman/Secretary. Current contact details [phone numbers & email addresses] are on the website.

KEY DATES

- AQA/IoQ Joint Conference
Christchurch 12 – 14th July 2006
- Hong Kong Presidents' Meeting
November 2006
- Australian IOQ 2006 Conference
Melbourne 11 - 14 October 2006

IoQ Executive Council Meeting

- Next IoQ Executive Council Meeting will be held in Wellington 17th May 2006.

New blasting technologies creating advantages

New Zealand's mining and quarrying production has increased by 35 percent over the past five years and production is projected to double in the coming five years. This increase in demand has consequently escalated costs incurred to industry operators from short supply of consumables and shortage of skilled labour. Adding further pressure to aggregate demand, it has been estimated that over the last five years the Auckland region alone has lost approximately two million tonnes per annum of aggregate production capacity due to quarry closures and this trend is being replicated in other regions. The industry as a whole is confronting pressure from local and regional opposition to quarrying operations, therefore it should come as no surprise that quarry companies are keen to minimise operating costs.

Blasting is a key part of many quarrying operations and any new technology that can increase efficiency and reduce costs is exceptionally appealing. Orica offers an extensive range of new technology with their Electronic Blasting Systems (EBS) as the foundation. Orica's i-kon™ and UNI Tronic™ electronic blasting systems offer accurate



timing, blast design flexibility and improved safety and security. Electronic detonators allow new blasting techniques to continually evolve and Orica's ShotPlus-i™ blasting software assists operators to refine and optimise blast patterns and blast designs, reducing drilling costs and improving fragmentation.

In a period of constrained aggregate resources and excessive demand, electronic detonators offer existing quarry operations the opportunity to increase the longevity of their current operations. Electronic blasting systems assist operations to comply

with local authorities environmental regulations, as frequency channelling of blast-induced vibration can be achieved to reduce vibration as well as minimising air blast. The most recent addition to Orica's EBS offering is a Surface Remote Blasting System (SURBS)



which allows quarry and mining operations to fire i-kon™ blasts remotely. The blast can be initiated from over two kilometres away, enabling personnel to be well away from any safety hazard or other blast effects.

Industry is only just beginning to realise the full advantages and opportunities this new technology offers and the potential of the technology to further improve business operations.

MEDIA RELEASE

3 March 2006

MinEx Health & Safety Council Established

For further information contact:

Email: office@minex.org.nz

The Minerals Industry in New Zealand, which includes all companies registered under the Companies Act 1993 engaged in the mining, quarrying, prospecting or exploration for minerals, has established the MinEx Health & Safety Council.

A ten-member board has been appointed with representatives from the aggregate sector, industrial minerals, metallic minerals, coal, and representatives from the Amalgamated Engineering, Printing, and Manufacturing Union, and the New Zealand Contractors Federation. The Council resulted from 18 months of extensive consultation by the industry to gain support for the concept of a national body with a co-ordinated voice on health & safety matters affecting the industry.

The Council will approve a strategy in the next few months to improve and promote the Health & Safety Standards and the Health & Safety Performance of the Minerals Industry in New Zealand.

The inaugural Chairman of the Board is Mr Brian Bouzaid (representing the aggregates sector) with Mr Peter Atkinson (representing metallic minerals) as Deputy Chairman. Mr Bouzaid commented, "I look forward to building on the work done by the MinEx Steering Group to guide the future of our industry in Health & Safety Performance. Adoption of best practice will be a key plank of that strategy."

Blackwoods Paykels supplier to the Mining and Quarrying Industries of New Zealand



In 2005 the total value of production from the minerals and coal industry in New Zealand exceeded \$1 billion dollars for the first time ever. Almost half of this, some \$460 million, came from the production and use of industrial rocks, building stones, and limestone.

Blackwoods Paykels is a key player in the supply of Industrial products and services to the Mining and Quarrying Industries. With over 700 registered mining operations and 4000 people employed in the Mining and Quarrying Industries Blackwoods Paykels with 21 branches New Zealand wide is able to provide a nationwide service to all the companies involved in New Zealand.

Blackwoods Paykels operate a Conveyor Services division as well as a power transmission division both of which cut across the Mining and Quarrying Industries of New Zealand. On top of this Blackwoods Paykels is New Zealand's largest stockist of general Industrial and Engineering Supplies. Blackwoods Paykels is New

Zealand's largest importer, stockist and distributor of Industrial Conveyor belting. This belting services all industries of New Zealand including quarrying and mining, forestry and agriculture as well as lightweight food and packaging.

The brands of belting that Blackwoods Paykels stock include Yokohama, Fenner Dunlop, Tridon, Rema, Tip Top and Esbelt. As well as Conveyor belting Blackwoods Paykels carry a full range of mechanical fasteners and rollers. Blackwoods Paykels offer plant surveys, audits and quoting services, conveyor belt vulcanising, installation, splicing and repair services to all industry applications.

The power transmission division of Blackwoods Paykels is able to provide complete solutions for transmission drives using brands of proven reliability and quality. Blackwoods Paykels power transmission division stocks and distributes brands such as David Brown, Spaggari, Mitsubishi, Goodyear, Rathi, Tsubaki and Wichita.



To contact Blackwoods Paykels in the Waikato Bay of Plenty area contact Steve Barton on 0275 945 545 or go to www.blackwoodspaykels.co.nz



EXITO School Resource Packages

Last year the EXITO contracted the NZ Geographical Society Inc (and through their standing committee the Secondary Schools Geography Teachers Association) to produce a series of teaching and learning kits for Years 11, 12 & 13 students. Each kit relates directly to a syllabus topic and is designed to give teachers a comprehensive and professionally designed kit to cover their teaching and assessment requirements plus learning material for the students.

Last year the Aggregate resource was launched and this year we have the launch of the Gold Resource Kit.

At 5.30 p.m. on Friday 17th March, the second teaching and learning kit in the EXITO series – Gold – was officially launched at Science House, Turnbull Street (off Murphy Street) Thorndon, Wellington. Brian Bouzaid attended the launch on behalf of the IoQ/AQA and Minex.

The kits have substantial industry input and are distributed free-of-charge to every Secondary School in NZ. The contract costs EXITO around \$55,000 each year for five years. This is a substantial input from our industries and it is hoped that return will be a more balanced and reasoned approach to extraction and an improved outlook from New Zealanders about the benefits that extraction has for all Kiwis.



Real Steel have continued to be a fantastic sponsor of the Institute of Quarrying NZ Inc and its branches and recently sponsored Andrew Dronjak's "Iceland- Land of Light and darkness" South Island lecture tour to the branches. Luke Mathieson of Real Steel accompanied Andrew to the branches. I am very grateful for the support Real Steel showed me and the I.O.Q. as a whole and while they had a chance to highlight their high quality product at both venues supporting the IOQ was obviously their main focus.

REAL STEEL

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Fax 04 233 2536 | www.getrealsteel.co.nz

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Thank you Luke Mathieson and thank you Real Steel.

By Andrew Dronjak

MINING FATALITY

WESTERN AUSTRALIA - DRILLER, 26 YEARS, OPEN PIT GOLD MINE

A 26-year old driller employed by a drilling contractor at a large open pit gold mine in the Goldfields of Western Australia died as a result of injuries sustained in an incident at the mine in the early hours of Tuesday 14th February 2006.

Initial investigations have revealed that the deceased was driving a 3-tonne tray-back truck to the drilling workshop area to pick up some drill rods for use in the pit. Another truck was parked in the workshop area, with drill rods protruding several metres off the rear of the tray.

The truck driven by the deceased was in collision with the rear of the other vehicle and the drill rods speared through the front and rear screens, striking him and causing severe head injuries. He was treated at the scene, after being discovered by a work colleague and transported to the local hospital and then transferred to Perth, where he subsequently died.

Inspectors from the Department of Consumer and Employment Protection, Resources Safety Division are investigating.

M J Knee
State Mining Engineer

NOTICE:

EXITO's Annual General Meeting was held on the **6th April 2006** at the Copthorne Hotel Commodore, Memorial Avenue, Christchurch. The new Exito Board line up are as follows: Chairman, Bill Edie [Methanex], Deputy Chair Graeme Fulton [Mining], Ron Berry, Dixon McIvor [Waste Management], Chris Jobson [Gas Sector], Brian Bouzaid [IoQ & Quarrying], Bruce Taylor [Fulton Hogan & AQA], Steve Dohnt [AQA] and Ray Urquhart [Engineering Union].

JOB OPPORTUNITY – Email received from Paul Robinson, Recruitment Team Leader, NES Overseas Sdn Bhd -

Please let me know if you can help. I am looking for a Quarry Manager who is available immediately for a 1 year Oil & Gas contract in Indonesia. Contact details:

Paul Robinson [paul.robinson@nesasia.com]

NES Overseas Sdn Bhd

T - (60) 3 2381 2200

M - (60) 1221 32302

Websites: www.nesasia.com www.nesgroup.com

www.nes.co.uk www.nesoverseas.com www.nestrack.co.uk

Kuala Lumpur Office:

NES Overseas Sdn Bhd, Suite 9.2, Level 9, Menara Weld, 76 Jalan Raja Chulan, 50200, Kuala Lumpur, Malaysia

Miri Office:

NES Overseas Sdn Bhd, Lot 331, 2ND Floor, Jalan Cressandra, Jalan Duranta, New Town Ext., 98000, Miri, Sarawak, Malaysia.



See the IoQ website for other job opportunities.

KEY LINKS

IOQ: www.ioqnz.co.nz

AQA: www.aqa.org.nz

EXITO: www.exito.org.nz

NZMIA: www.minerals.co.nz

Fulton Hogan: www.fh.co.nz

Road Metals: www.roadmetals.co.nz

Australian Institute of Quarrying: www.quarry.com.au

UK Institute of Quarrying: www.quarrying.org

Website: www.ioqnz.co.nz

Mail contact address: Secretary, 1 Great Gables Lane, Huntsbury, Christchurch

Email: chrisr@inet.net.nz

Telephone [03] 337 1132 or 027 697 8559

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AQA / IoQ Joint Conference Christchurch 2006 Update – by Kelvin Strong
THE RISE AND FALL OF THE SOUTHERN ALPS

Christchurch beckons all Members of the Aggregate & Quarry Association and the Institute of Quarrying for the 2006 Combined Conference to be held at the Christchurch Convention Centre. This magnificent Centre, just one-minute walk from the Conference Hotel will provide a brilliant setting for this year's Conference.

Conference speakers have been confirmed including the Glen Coates [author of the book from which our Conference theme comes]. Invitations to Sponsors and Trade Exhibitors are about to be released.

This year there are some changes to the normal programme format. For exhibitors and Delegates a highlight this year will be a practical Field day at Fulton Hogan's Miners Road Quarry, Yaldhurst in addition to the Trade Exhibition at the Convention Centre. Another innovation will be breakfast for all Delegates and Exhibitors within the Trade Exhibition area on both mornings.

Partners will be well looked after with a cooking demonstration by the Crowne Plaza chef followed by a visit to Clearwater Resort for lunch [includes a guest speaker], followed by a visit to the Isaac Wildlife Farm. Friday morning will begin with a tram ride to the Art Centre/Art Gallery or other areas of interest such as Regent Street before attending the Conference Luncheon.

The social aspects of Conference will be of the usual excellent standard with the Opening Dinner, Awards Dinner and Conference Luncheon, coupled with a Rugby Theme night at Jade Stadium (all Delegates and Partners are asked to wear their NPC colours).

It is expected the registration information will be posted to all Members by the beginning of May and you will have until mid June to register (to ensure accommodation is booked for you). A block booking has been made at the Crowne Plaza Hotel and all reservations are to be done through the Conference Secretariat.

ANNUAL GENERAL MEETINGS – Christchurch Convention Centre

ALL members are asked to note the following times for the respective Annual General Meetings, which will be preceded by lunch for everyone present. When making your travel bookings bear these times in mind.

Wednesday 12 July

2.00 pm. IoQ Annual General Meeting

3.00 pm. Afternoon Tea

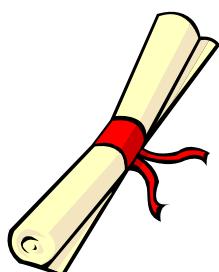
3.30 pm. AQA Annual General Meeting

Conference Secretariat - Kelvin's role for future:

Next year's conference will be held in Wellington [2007]. This will be the last Conference that Kelvin will undertake on his own in the role of Conference Secretariat. After this conference the joint conference committee will be seeking submissions for a suitable person to fill this position and Conference 2008 will see the new person working alongside Kelvin to learn the ropes and take over the role of Conference Secretariat.

New Members

Recent branch meetings have been an opportunity for new and upgraded members to be presented with their certificates. For those new members who were not present at the meeting their certificate will be forwarded by post.



Currently there are another ten new membership applications being processed.

WELCOME TO CHRISTCHURCH - www.tourism.net.nz/

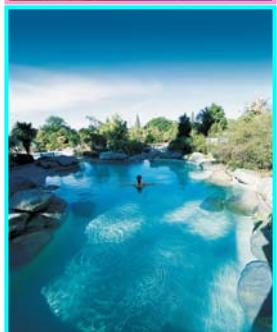
Christchurch City is alive with colour, atmosphere and world-class attractions; a place known internationally for its spectacular gardens.

Christchurch is located midway down the East Coast of the South Island, just north of Banks Peninsula and is the South Island's largest city. A noteworthy landmark is Christchurch Cathedral, an outstanding example of Gothic Revival architecture - climb up to the spire for a bird's-eye view of the city. Other grey-stone nineteenth century buildings, tree-lined avenues and extensive leafy parks give the city an elegant, rather English atmosphere.



Some of the attractions for visitors to experience are -

- Saunter through Hagley Park, to the Christchurch Botanic Gardens or explore Canterbury Museum, including the Hall of Antarctic Discovery
- Mona Vale Homestead with five hectares of gardens and views of the Avon River
- Take an historical tram ride around the city centre, through the tree lined streets and past buzzing street side cafes
- Go punting on the Avon River
- Embark on a guided walk of Christchurch city and the heritage buildings
- Inspect the collection at Christchurch Art Gallery, the largest art institution in the South Island.
- Find the Arts Centre of Christchurch, one of New Zealand's most significant cultural attractions and a dynamic venue for arts, shopping and entertainment
- Don't miss the Anglican and Catholic cathedrals
- Go shopping at Ballantynes, New Zealand's oldest department store
- Travel up the Christchurch Gondola for massive views of Christchurch, the Canterbury Plains, Banks Peninsula and Lyttelton Harbour
- Take a dawn balloon flight over Christchurch city or the patchwork fields of the Canterbury plains
- Visit the International Antarctic Centre, which features a real snow and ice experience
- If you're feeling lucky, head for Christchurch Casino
- Air Force World brings you face to face with 28 classic aircraft, thousands of artefacts, artworks and stories of famous aviators
- Southern Encounter Aquarium is an interactive aquarium in the city centre
- Willowbank Wildlife Reserve has a kiwi breeding programme and native New Zealand bird life or at Orana Wildlife Park you can experience the animal kingdom in tranquil, spacious surroundings
- Further afield explore Hanmer Hot Springs or go skiing at Mt Hutt or Porter Heights or, if you are more adventurous try heliskiing; drive/bus to Akaroa and catch a trip on the Cat to see the dolphins, penguins and seals or walk around the French-style boulevards
- If golf is your preference have a day at Clearwater or Terrace Downs!



Check the following links for further information on travel and tourism in Christchurch -
<http://www.nz.com/new-zealand/tourism/canterbury/christchurch/>
<http://www.christchurch.org.nz/> - this one has a two minute video and photo gallery.

Newsletter Sponsorship or Advertising – Opportunity...

If you would like to be a sponsor of the newsletter or place an advertisement please contact Christine Dodds, National Secretary Institute of Quarrying. chrisr@inet.net.nz

Institute of Quarrying NZ Inc ANNUAL GENERAL MEETING – CHANGE OF DATE

The AGM will now be held on WEDNESDAY AFTERNOON 12TH JULY 2006 at 2 pm. The AQA will also have their AGM on the Wednesday afternoon at 3 pm. Changing the day that the AGM's are held allows more time for sponsored functions to take place without interruption and also ensures that those interested have time to attend the AGMs.

AGM and election of Officers



Any member who intends to bring a motion or business before the AGM needs to give notice in writing of his/her intention to the NZ Council not less than twenty-eight days before the date of the meeting [12th July 2006].

Under the Rules of the Institute of Quarrying NZ Inc July 1999, item 26 Appointment of Council; The NZ Council shall comprise of the President, Vice President and

immediate Past President who shall hold office for a two year term and in each and every year, one representative residing in or north of Taihape, one representative residing south of Taihape, two representatives residing in the South Island, and two members who are personally present at the meeting and who shall be appointed from the floor at the AGM.

Any member who is considering election to the board needs to be well prepared and have movers, proposers and seconders organised for the AGM. For more information please contact Christine Dodds, National Secretary Institute of Quarrying. chrisr@inet.net.nz.

Positions on the IoQ NZ Inc Board currently up for re-election at this year's AGM are:

- One representative residing in or north of Taihape
- One representative residing in the South Island
- Two members personally present at the AGM from the floor.

AWARDS 2006:

Nominations are now invited for this year's awards to be announced at our annual conference to be held in Christchurch in July.



Komatsu Award

The Komatsu award offers an annual award of \$5,000 to assist the recipient to further his or her knowledge within the quarry industry.

Niemac Award

The Niemac award considers Efficiency, Maintenance, Safety & Innovation for work method or innovative plant operation within the quarry industry. The recipient receives a working model jaw crusher.

CAT Award

The CAT award offers an annual award of \$3,500 to assist the recipient to further his or her knowledge within the quarry industry.

R.D. Hassed Memorial Award

This trophy is awarded to the most outstanding contributor to the IOQ during the current year. The recipient receives a mounted lime stone trophy.

Lynn Jordan Memorial Award

This trophy is awarded to an IOQ member for the presentation of a technical paper either at conference or during the year. The recipient receives a vintage exploder trophy.

Winstone Aggregates Ltd Safety Award

Your local Branch can make nominations for this award. The recipient receives a mounted crystal trophy.

AJ & RE Loader Display Award

This award is presented annually for the best sponsor's display at conference.

B. R. Webster Educational Trust

The key criteria for this scholarship are to assist an individual gain a qualification where he or she requires financial support to further their education within the Quarry Industry. Each year up to five scholarships will be provided for in conjunction with our training provider EXITO.

If you require more information on any of the above awards or an application form - please contact Christine Dodds, National Secretary Institute of Quarrying - chrisr@inet.net.nz or visit the IOQ website: www.ioqnz.co.nz. If you do not have internet access please feel free to telephone.

Aggregate & Quarry Association Award

Mimico Environmental Excellence Award – Travel Grant

The Mimico award offers an annual award of \$5000 (travel grant) to assist the recipient to further his or her knowledge within the quarry industry. For more information on this award contact Kelvin Strong. Email: www.agqa.org.nz or visit the AQA website: www.aggregate.org.nz.