



The Institute of Quarrying New Zealand Inc

IOQ QUARTERLY NEWSLETTER

Issue No. 12

September 2007

Committee 2007/08:

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Mr George Kelcher

Immediate Past President:

Mr Steve Ellis

Vice President:

Mr Warwick Leach

Mr Murray Discombe

Mr Andrew Dronjak

Mr Les Ward

Mr Gavin Hartley

Mr Andrew Mahon

Mr Gordon Laing

**National
Secretary/Treasurer**

Mrs Christine Dodds

President's Notes:



Hello to Everyone

The Annual IOQ/AQA Conference has once again taken place, this year in Wellington, and it was very enjoyable and a great success. Thank you to Brian Bouzaid, Roger Parton and all the other people involved in organising this well attended annual event.

This year has brought a change of office bearers to the IOQ Executive and I will take this opportunity to introduce myself to those who may not know me. My name is George Kelcher and I am employed by Road Metals Co Ltd as General Manager, based in Oamaru, in the South Island.

The new Vice President is Warwick Leach with Steve Ellis moving to the Past President's role. Thank you Steve for all your efforts as President over the last two years.

Welcome to all Board Members for the upcoming year, both new and those who were re elected. We all look forward to a successful year.

Congratulations to the Members who won or were presented with awards - well deserved to all.

Please think about all the awards that are available for next year and start early with the planning for entries. There is a considerable amount of prestige attached to the awards and also some awards have a significant monetary reward available to the recipients for travel and further education. Remember to support the Companies and Individuals who sponsor these awards.

Planning is already underway for the 2008 Conference which will be held in Auckland from Wednesday 9th to Friday 11th July. The theme for 2008 is "Our Foundation – Our Future". This Conference will also be the IOQ NZ's 40th Conference and will also host the World Presidents' meeting, which will make this an extra special event.

My local area had a brief spell of flooding recently, first time for a number of years and not up to the wet events that seem to take place in one part or other of the North Island every month. It was good to see our Industry, along with the Contracting sector, out in the public eye repairing damage and putting the local roading network back together.

Hopefully the general public will see this and appreciate more fully all the services the Quarry Industry provides in building and maintaining New Zealand's wider infrastructure.

I attended an NZRTA Forum held in Twizel recently which had a large input from the CVIU division of the Police force. There are further regulations coming up in the form of the "Chain of Responsibility" coming into effect and Log Book and associated changes to the transport sector that will have an effect on most of our companies and also our clients. Take time to attend the seminars that are currently being run around the country and read the relevant booklets to see how this may affect your particular area of business.

Finally please support the Companies that are actively supporting the IOQ NZ through the Friends of the IOQ sponsorship package.

Platinum Sponsors - Rocktec Ltd
Real Steel Ltd
Gold Sponsors - Webster Family
Russet Engineering Ltd

There are currently a number of other companies looking at joining the sponsors above – let our members show how this can be beneficial to their business.

*Take care & stay safe -
George Kelcher, President, IOQ NZ Inc*

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Telephone [03] 355 3235 or 027 697 8559

Waikato/Bay of Plenty Branch Meeting

At the end of June, forty members of the Institute of Quarrying attended the Waikato Bay of Plenty AGM held at Rocktec's main office in Matamata. Red Bull was the sponsor for the night and Bernie gave the following talk.

Bernie McDonald's 28 years of Drilling experience - twenty-eight years this November -



I started drilling in November 1979 for Keith Niederer the owner of Niederer Machinery which sold and built crushing plant for the quarry industry around NZ and the Pacific Islands and Niederer Drilling which Jim Burgess was my boss who looked after the drilling side of the business. I had to work hard in those days, long hours but being young it didn't worry me too much, staying away from home until the job was done and working from dawn to dusk. In that time I worked the air track drills for approx 4 years – Those old air track drilling rigs were hard work, dusty because you did not have dust collectors like the machines these days. You worked in whatever conditions the weather threw at you - cold, noisy, dirty. You had to also have a bit of a mechanically minded background, in how to keep the machines going. The other problem was sometimes it was not easy to get into some sites

with the drill because you had to tow the compressor behind the drill. Driving from one job to the next, you towed your ute behind the air track trailer with the compressor on the back of the truck.

In 1984 – the first Hydraulic Drill to work in NZ was brought by W. Stevenson & Sons Ltd. Niederer the same year brought one and I was lucky enough to get it and I worked for Niederer's for another 6 years.

Then in 1989 the share market crash occurred. Niederer Machinery and Niederer Drilling went into receivership

I started on my own as Toprock Drilling in June 1990 – 17 years ago.

I brought my first drilling Rig which Stevenson's had traded-in in June 1990; the 2nd Rig arrived 1994, 3rd Rig from America in 1995 and 4th Rig from Stevenson's in 1996-1997.

Had a hiccup in my life in 1998, which I won't get into but it changed my life. Once I sorted out my issues I decided to invest money in upgrading my drilling rigs to meet my clients' needs in large hole dia, better air, faster drilling, Cab for the operator which meant he was out of the weather and away from the dust. Meeting H&S requirements at the quarry sites.



I purchased the 5th Rig – Tamrock 900 Pantera in 1999, 6th Rig – Tamrock Pantera 1100 in 2002, 7th Rig – Tamrock Pantera 1100 in 2003 and 8th Rig – Tamrock Pantera 1100 in 2006. I then sold the business on 1st June 2007 to RedBull Explosives.

Toprock Drilling Transporter

One of the neatest things about the whole job is the people I have met and places I have been to. I got on extremely well with some people and over the years and have had some good run ins with others!

I would like to thank Jim Venelloweths from McDonald Lime who got me started when Niederer's went into receivership. All the people I have met at McDonald Lime - office and field staff, I really got on well with and from those days on, I built up a great friendship with Chris and Joan Pilmer. They have always had a room for me to stay at their place when I was drilling at McDonald Lime. I also built up an association with the Leach Family, and I have always admired Merv and Bruce Leach over the years. We have had some great laughs and run-ins with problems that always happen on the quarry sites.

In the early days when I was on an Air track Machine, Bruce Leach asked me to clay the tops of the holes as the country was pretty broken and if not clayed, the rocks would fall out and you could lose the drill hole. Then paper the hole and place a rock on it and cover the rock with the cuttings. This was my trademark and after that, it is something I make my drillers do now to this day.

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Other places I have drilled at in the early days included Taharoa for Chris Brown. It would take a day to walk the drill into the quarry bench and do the drilling, and a day to walk the machine out.

1. Peter Robinson at Motumaoho
2. Earth-Movers at Pio Pio
3. Theo Dam Murupara Power Station for Noel Atkins
4. Waitomo District Council
5. The bridge to nowhere behind Whangamomana, towards Wanganui. I drove in from Stratford.
6. Some real unusual jobs for NZ Steel at Otau for John Sharp.
7. Valley Lime for Dave Hamilton – watched him destroy a shed when a blast went wrong.
8. Otorohanga District Council
9. George Stankovich and his two sons Andrew and George Jnr, working up on the Coromandel drilling corners off some of the narrow roads around the peninsula.

Tamrock Panter



Through owning a drilling company it has taken me to Australia, Kalgoorlie – The Aussie Wild West, America Con Expo in 1998 with Victor Knight. Another trip to America was with Chris Pilmer when he won the I.O.Q Komatsu Award. Jim sent him to the Lime Conference in Alabama, Georgia. We had an awesome trip.

To finish off, 28 years later - the drilling rigs have changed so much from the old air track machines which were slow moving, dusty, noisy bloody things to the new Tamrock Pantera 1100 which has all the new mod cons.

I would like to thank my staff for their support and loyalty to me and the company; I couldn't have done this without their support and hard work.

By Warwick Leach

New Secretary for Waikato / Bay of Plenty Branch

Waikato Bay of Plenty branch of the Institute of Quarrying has a new Secretary - Jon McAllister; Jon works for Mimico in Matamata. And can be contacted on email: jon@mimico.co.nz or phone [07] 888 6294.



Rocktec has earlier in the year announced its range of Trio Crushing and Screening equipment with a good with a number of units sold into Australia and New Zealand. Recently Steve Mellor the Trio International representative visited New Zealand to promote the product range with Rocktec personnel. Steve is well known internationally with many years previous experience selling equipment with Nordberg and operating quarry plant in the UK, Middle East and Southern Africa. Steve has been integral to the worldwide development of the Trio sales and is also well known for writing the Handbook for Crushing and Screening used by the Institute of Quarrying UK. Rocktec has a full range of Trio Crushing and Screening equipment and further information can be found at www.rocktec.co.nz or email sales@rocktec.co.nz.

Steve Mellor, right, presenting Steve Ellis with a signed copy of his Crushing and Screening Handbook written for the Institute of Quarrying UK during his recent promotional tour to NZ. Rick Johnson looks on.

Some exiting times are ahead for the Quarry Industry and Contractors in general in the Central South Island.

There are a number of major projects either planned, in the consent process, or already underway, which involve a huge amount of capital expenditure.

- **TrustPower's planned Wind Farm at Lake Mahinerangi near Waipori**

TrustPower's wind farm project will generate 300 megawatts of power with a wind farm spread over 5000 hectares and will cost in the vicinity of \$500 million. This is on top of a small project that is currently underway on the site where a canal and two small power stations are already being constructed to make better use of existing water availability.

- **Meridian Energy's Project Hayes Wind Farm**

Meridian Energy also have a major wind farm in the planning process being Project Hayes situated in the Lammermoor Ranges, about 70 kilometres north west of Dunedin. It will comprise 176 turbines over 92 square kilometres. Total value of this project is not confirmed at this stage.

- **Holcim Cement Plant for Oamaru**

Holcim Cement is currently in the middle of a consent hearing to build a new Cement Plant at Weston near Oamaru. This project has a build value of between \$200 & \$300 million and will provide over 100 permanent jobs for the area if given the go ahead.

- **Meridian Energy North Bank Tunnel Project, Waitaki River**

Planning is underway for a project involving taking water from Lake Waitaki, constructing a 34 kilometre long tunnel and Power Station underground and then discharging the water back into the Waitaki River. This project has a current build value of around \$900 million.

- **Queenstown and Frankton**

There are a number of major developments underway in a relatively small area around Frankton and Queenstown with a value of over \$200 million each and some being worth over \$2 billion once completed. These include the Jacks Point Development, The Five Mile Development, extensions to the Millbrook Site, Kawarau Falls Station Hotel Development and the latest being the Remarkables Park Development announced this week.

Projects such as the ones above have to go through the planning and consent process and it is extremely important for our Industry that the consents are handled as efficiently and as quickly as possible by Local Councils and the Environment Court under the RMA.

Central Government needs to play its part in ensuring that major developments are not held up indefinitely so that New Zealand can get on and build infrastructure and complete these projects as efficiently as possible, right from the planning stage, through the consent and building stages, and on to completion.

All these projects will use large quantities of gravels for roading, sand and aggregates for concrete and other products from the Quarry Industry, hence the future looks very positive in the medium term for this part of New Zealand.

Derek Walton, who is Head of Geography, Earth Sciences & Environment at the University of Derby in the UK recently visited New Zealand on an educational visit. Derek is also the Academic Head of the new distance learning Diplomas in Quarry and Asphalt Technology being launched in the UK in September in partnership with the Institute of Quarrying UK and the Institute of Asphalt Technology following their transfer from Doncaster College.

One of the main reasons for moving the courses to Derby is to take advantage of their expertise in e-learning, so that the courses can be re-implemented for on-line delivery (the IOQ UK is committed to leading the funding for this). In addition, he will also be providing courses for the clay products and concrete sectors, so that the University of Derby can become the main teaching centre for the extractive and processing industries in the UK.

Given that EXITO and the University of Canterbury are both based in Christchurch it was an optimum time for Derek to catch up with both organisations.

Tom Reece (CEO of EXITO) was kind enough to arrange to pick up Derek on the morning of Tuesday 14th August and take him on a personally guided trip to Oamaru to meet up with George Kelcher.

The day carried on with a tour of Oamaru's well-known Oamaru Stone buildings and a guided tour of the Oamaru Penguin Colony (Tom incidentally knows the new Manager of the Penguin Colony quite well) and then on to lunch at a local eating establishment.

After lunch we took in a visit to the well-known "Parkside Quarry" at Weston where all the Oamaru Stone for NZ and overseas export is produced. The stone is sliced out of the ground in two tonne blocks and further processed into the various sizes required for all kinds of building and cladding. The by-products of the stone cutting are also used and turned into agricultural lime at the Lime Works, which are also part of Parkside Quarries under the ownership of local identity Joe Mitchell.

Next was a visit to one of Road Metals' mobile crushing plants at the local Kauru River to see how mobile crushing operations are carried out in the South Island. The Road Metals team was hard at it turning raw feed river material into AP 65mm sub base on a fine and sunny day.

As the hours were getting along it was then time for Derek and Tom to start the trip back to Christchurch and for Derek to carry on with his trip in the southern hemisphere. Many thanks to Tom Reece for making this visit possible and also Christine Dodds for helping to organise it and turn it into a reality.

By George Kelcher

▶ **No More Potholes - could we do this in NZ?**

Ever wondered how many potholes each local council repairs every year? Here's a USA website dedicated to promoting concrete roads. www.nomorepotholes.com
Could we persuade our local bodies in NZ to switch to concrete roads? Bill Abbott recently moved to Denver, Colorado - is this a clue?

▶ **AQA/IOQ Conference Photos**

Photos taken at AQA/IOQ Joint Conference in Wellington can be ordered from the website - CD Order Form now on web. www.ioqnz.co.nz/news-letters.php

THE INSTITUTE OF QUARRYING NZ AWARD

The Institute of Quarrying NZ Award is very much the 'members award' - its main function is to provide a means whereby the IOQ NZ can formally recognise a long-serving member who is held in particularly high regard because of a long period of outstanding service to the Institute and or a retiring President.

The award is above all a measure of the esteem in which the nominee is held by his colleagues and made in the true spirit of Institute fellowship.

The rules governing the presentation of the award are as follows:

1. Award would normally be given to members of not less than 20 years' standing, during which time the nominee should have been a regular supporter of Institute activities, often having undertaken a long period of service on a branch or other committee.

Or the nominee is -

A retiring corporate member who has served the Institute as both a board member and consecutive terms as Vice-President, President and Immediate Past President.

2. The nomination must have the support of the NZ National Council.
3. Award will be in the form of a mounted Institute of Quarrying NZ Inc crest and shall be presented at an Institute conference.



Recipients of the Award in 2007 are listed below:



Bryan Bartley (Hon.F)

for services to the Institute of Quarrying and Quarrying Industry

Bryan Bartley receiving the award from Russell Vickers.



Webster Family

for services to the Institute of Quarrying New Zealand and Quarrying Industry

Robert & Julie Webster receive the award – Bruce Webster is pictured in the background. Bruce was a founding member of the IOQ and set up the Webster Family Education Trust Award.



Russell Vickers (Hon.F)

for services to the Institute of Quarrying New Zealand and Quarrying Industry



Brian Bouzaid (Hon.F)

for services to the Institute of Quarrying New Zealand and Quarrying Industry

WARRIOR

WHEEL AND UNDERBODY TRUCK WASH

Local councils around the country are putting pressure on work site's to clean up their act as waste deposits from out going trucks are jeopardising the safety of New Zealand roads and the surrounding residential areas effected by aggregate operations.

Pollution control equipment can often bear a heavy cost on a work site so the need for simple, straightforward solutions to these problems is vital if these operations are to continue operating efficiently.

With over a dozen installations throughout New Zealand and Australia the Warrior has proven to be a Rock Solid solution for controlling waste deposits from vehicles and keeping New Zealand's roads clean and safe.

Features

The Rocktec Wheel and Underbody Truck Wash has been designed to provide a convenient, efficient and fully automatic drive through wash for heavy vehicles.

Standard Features:

- Fully automatic, ultra-efficient wheel and underbody truck wash.
- 4-metre wash length.
- 84 high-pressure jets arranged to give intensive spray pattern to wash all tyre and underbody surfaces.
- Automated drive through system triggered by electronic sensor.
- Hot dipped galvanised base.
- Caters for all types of road-going vehicles.
- Side screens to contain overspray.
- Adjustable side spray bars.

Optional Features:

- Available with complete water recycling and filtration.
- Basic design easily adapted to suit particular site requirements.
- Available for over-dimension and over-weight loads.
- Optional pump configurations.
- Entry and exit ramps.

ROCKTEC
Rock Technology

www.rocktec.co.nz

Basic units available from
\$49,900 + GST

For installation details and further
information contact the team at
Rocktec.



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Fax +64 7 888 8856 | E-mail sales@rocktec.co.nz | Website www.rocktec.co.nz



Staff working alone in hazardous areas

Track One is the latest breed of smart phone, designed specifically for people working alone or in hazardous environments where anything may happen... and who will know?

Used as an **Everyday phone**, there's no need for separate devices. And it's also equipped with a flexible range of services including:

Welfare check: set it up with us at the start of the day or shift and should things go really wrong the handset will advise us of your location and we will send or call assistance.

Emergency response: press the emergency button on top and help's on its way to your GPS location. At the same time the phone line stays open so you can tell us what's up at your end.

Track One services are provided through WSS's advanced national operations centre.

Lease or purchase options are available. Call today for details.

Martin Cockburn

WSS Track One sales

Ph 07-834 8106

021 547 503

martin@waikatosecurity.co.nz



WSS Personal Emergency Response Management Division.
244 Tristram St, Hamilton. Ph 07-834 8106



Thank you to all IoQ members who have already paid their annual subscription.

There are still a number of outstanding accounts. Reminder, please if you have not paid ensure payment is made as soon as possible.

If your account has been misplaced or lost please contact Christine Dodds and a new account can be sent to you.

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



CHANGE OF ADDRESS:

Does anyone know the whereabouts of Michael Finch - he applied for membership last year but his mail has been returned - I have his certificate but cannot send it until I have an address!

Reminder - keep mailing details up to date.

WEBSITE:

An informative website -

www.tarmac.co.uk/quarryville/sandQuarry/minerals.html



NEW MEMBERS:

At the IoQ Executive Board meeting in September the following new members were approved:

Gregory J Brown	Hamilton	Fellow	Waikato / Bay of Plenty Branch
Gordon W Laing	Auckland	Fellow	Auckland Branch
Steven R Clearwater	Dunedin	Member	Otago / Southland Branch
Steve Barton	Hamilton	Associate	Waikato / Bay of Plenty Branch
Geoffrey S Tappin	Matamata	Associate	Waikato / Bay of Plenty Branch
Nigel L Bluett	Matamata	Associate	Waikato / Bay of Plenty Branch
Benjamin Hussey	Auckland	Member	Auckland Branch
Keith Barber	Auckland	Associate	Auckland Branch
Graham M Rewi-Wetini	Taharoa	Member	Waikato / Bay of Plenty Branch
Jared L Falwasser	Taharoa	Member	Waikato / Bay of Plenty Branch
Sidney G Putaranui	Taharoa	Member	Waikato / Bay of Plenty Branch
Shane N Toto	Auckland	Member	Auckland Branch
Anthony G Williamson	Alexandra	Member	Otago / Southland Branch
Christopher J Allen	Hamilton	Associate	Waikato / Bay of Plenty Branch
Richard D Frost	Whangarei	Member	Northland Branch
Charles N McKinley	Auckland	Fellow	Auckland Branch
Robert Frank Berendsen	Turua	Member	Waikato / Bay of Plenty Branch

The Institute of Quarrying New Zealand Inc

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THE WEBSTER FAMILY



**40TH JOINT AQA / IOQ CONFERENCE and meeting of the International Presidents of the IoQ
9 -11 July 2008 Hyatt Regency, Auckland**

For information contact:

Roger Parton at Partonius@xtra.co.nz or Andrew Dronjak at boom_boom@paradise.net.nz

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