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MISSION STATEMENT

To encourage, foster, improve and educate members and others in all aspects of arboriculture throughout New Zealand.

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SPECIAL ACKNOWLEDGEMENT

The New Zealand Arboricultural Association (NZ Arb) wishes to acknowledge and thank the following organisations for offering the time, effort and services of their staff who comprise the Executive Committee Members.

Without the support of these businesses and organisations, NZ Arb would not be able to serve the Association's membership or the industry in the way it currently does. Thank you.

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Prez' Release

Logo released for members' use

By **SETH THOMPSON** NZ Arb President

Correspondence to: seth.thompson@nzarb.org.nz

It's been a busy start to the year, after enjoying a relaxing summer on the beach. The warm weather and odd tropical cyclone mixed with wind and rain has made for a typical Kiwi summer (with some great surf too, if you are that way inclined).

The executive committee and other key volunteers have been working hard on a number of projects since our combined strategy and executive meeting in February. We have our next committee meeting planned for May.

NZ Arb has recently signed an updated Memorandum of Understanding with the International Society of Arboriculture (ISA) helping to enhance our relationship with the ISA into the future. The ISA are a great resource for our chapter and its members. If you haven't already done so, log into their website, there is wealth of information and resources available for download.

The Approved Contractors Scheme (ACS) has kick started this year with a number of enquiries and applications to become ACS approved coming in from several companies. NZ Arb has booked assessments to carry out the application process, so look to see some new names on our website and in *Tree Matters* in the coming months.

The ACS is the benchmark for minimum safety and operating standards within our industry and all our members should be getting behind it and aiming high. Should you wish to become involved in the ACS, please get in contact with NZ Arb or look to our website for an application pack.

A working group has been set up for an Approved Consultants Scheme. There has been an increased interest and call for an Approved Consultant's Scheme to be developed for our industry. A huge amount of work has already been done and the working group's first face-to-face meeting is scheduled for mid-April.

The Tree Risk Assessment Qualification (TRAQ) has been gaining traction (excuse the pun), with a fully booked course being held in Auckland late last year. Another TRAQ course is scheduled for Christchurch in April and seats are filling fast. If part of your role as an arborist is assessing trees then this is a great string to add to your bow.

The first of our regional Tree Climbing Competitions was held in Wellington on the 5th March and, by all accounts, it was a great success (as usual). As part of the Wellington event, NZ Arb have introduced and "Ask an Arborist" counter manned by an arborist where the public can ask tree related questions. This was a great initiative from the climbing committee who came up with the concept and got it off the ground. The "Ask an Arborist" stand will become an integral part in promoting ourselves as a professional industry.

NZ Arb are proud to announce the release of a set of guidelines allowing members to use the NZ Arb logo. We trust that

our members will follow and adhere to the guidelines correctly. If you are a member and would like to use the logo you will need to apply to the executive in writing prior. A brief description has been included in this issue of *Tree Matters*. Logo guidelines can be downloaded from the NZ Arb website or emailed to you should you wish.



Seth Thompson
President

To conclude, I would like to extend a big thank you to the executive and all the sub-committees, volunteers and sponsors who help keep our association running smoothly. Your support and hard work is much appreciated by the wider industry.

If you would like to be involved with NZ Arb in any shape or form, please don't hesitate to get in touch.

Enjoy the last of summer and coming autumn.



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Arbor View

Editorial: The change of seasons

By **NICK ARNOLD** *Tree Matters Editor-in-Chief*

Correspondence to: Nick.Arnold@downer.co.nz



Nick Arnold
Editor-in-Chief

Although March signals the on-set of autumn there seems to be no end in sight for the continued sun (and lack of rain) experienced in many parts of the country.

Whilst there are several definitions of drought, soil moisture deficit is perhaps one of the most relevant to arborists and other

commercial growers in New Zealand.

Each dry summer we seem to see a picture of shifting seasonality and weather patterns all of which could potentially have a significant impact and present new opportunities for our industry.


Planting techniques and species selection will play an increasingly important role in the impacts of drought on urban tree populations. The drainage effects and hydrological

impacts of trees will also become more prominent with the projected increases in rainfall over the winter months. Temperature will always play a part in species selection but may also lead to secondary considerations such as the prevalence

of exotic species, not to mention shifts in the distribution of an assortment of new and existing pests and diseases.

Autumn brings with it other changes and events in our New Zealand arboricultural calendar; planning for the 2016 Auckland conference is well under way and the regional climbing and qualifying circuit has its next event in Wellington

during the first week of March. There has been significant progress too around the branding and marketing of our association – as ever, our members' support and constructive feedback will be gratefully received.

Finally I would like to extend a thank you to all of this quarter's contributors and sponsors – enjoy the last of the summer sun and enjoy the sights and sounds of autumn. 

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CHIPPERS

What's happening in NZ Arb?

From the **EXECUTIVE COMMITTEE & PORTFOLIO CHAIRS**

Correspondence to: nzarb@nzarb.org.nz

The Executive Committee (EC) and other chairs report the latest key activities within NZ Arb. The next EC meeting is in May.

Conference Committee

The Conference committee has been in full swing, holding fortnightly conference calls since the start of the year.

Some robust discussions (and banter) have been had whilst deciding on which speakers to approach, potential topics and where they would fit within the program.

A range of speakers needs to satisfy for a broad spectrum of topics. Catering for the interests of Consultants, Municipals, Practitioners and Utilities, which is not an easy feat by any means.

The committee is always looking for new speakers, topics and volunteers. If you catch wind of an interesting speaker or topic, we would love to hear your recommendations and ideas.

Just a little teaser about what's in store... Philip van Wassenae (www.urbanforestinnovations.com/) is really excited about being invited to New Zealand to present at the conference. He has some really good talks on trees in the urban environment.

Don't forget to lock in the dates – 3rd to 5th November, 2016. We look forward to seeing you there.

Utility Arb Committee

On 23rd February the UAC met again... our 5th year now!

We welcomed a new face to the group which is great to see.

Interest continues to grow by word of mouth and, more lately, the NZ Arb website, which is fantastic.

The introduction of the new WorkSafe regime continues to be one

of the top discussion points along with the proposed (2017) regulation review and forestry activity in relation to network owned lines.

As is well known, collective knowledge shared is a powerful tool and the companies represented have indicated the worth they gain from being part of the committee. Every meeting reinforces that we have a fantastic group of like-minded, passionate, and enthusiastic Utility Arborists keen to improve their knowledge for the better of the industry as a whole, their staff, and themselves individually.

It is a great privilege to work with every one of these people and I would like to thank their employers personally, as one of the original committee members.

NZ Arb Logo Use Notification

On behalf of the Executive Committee it gives us great pleasure to release the NZ Arb logo for members and sponsors to use and identify themselves to their peers and customers as professionals committed to proper tree care practices. We encourage you to proudly wear the logo and use the appropriate titles that designate you as a professional arborist.

We have developed branding guidelines to ensure the consistent use throughout the industry, which helps to reinforce the brand within the profession and to the public. Please see page 6 (overleaf) for more details on the use of the NZ Arb logo.

To request a logo, login to the members zone on the NZ Arb website (www.nzarb.org.nz) and follow the logo instructions.

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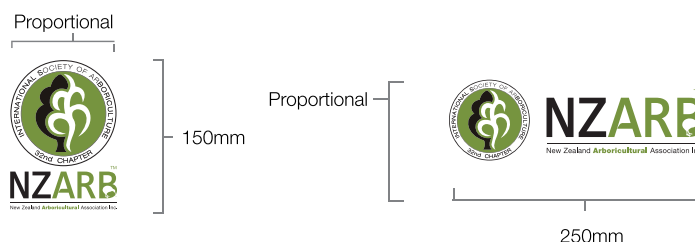
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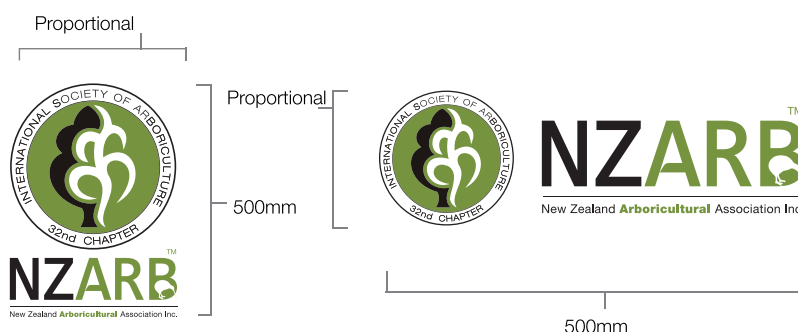
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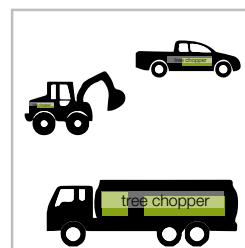
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Clippings

The resilient bristlecone pine

By **JONATHAN ARNOLD** Tree Mythologist (Wellington)

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The bristlecone pine is thought to be one of the oldest trees on earth. Some estimates suggest it made its first appearance a staggering 280 million years ago as one of the first gymnosperms, thanks to the discovery of *Cupressaceae* and *Pinaceae* fossils dated from the Jurassic and Cretaceous periods respectively. While lycopods (genus *Wattieza*) existed possibly 80 million years earlier than this during the Devonian period, and are technically considered trees, most agree that these would have borne more resemblance to modern mosses and ferns.

The ability of the bristlecone to survive in shallow, dolomitic, soil- often at high altitudes, is key to its longevity as it has the ability to thrive where other species cannot. All three bristlecone species today are prevalent in sub-alpine regions of the South-Western United States: namely, the *Pinus aristata*, *Pinus balfouriana*, and the oldest of the three; the *Pinus longaeva*. The resilience of the latter was famously put to the test in 1964 by a chap named Donal Rusk Currey while he was conducting research on a particularly stout example in Wheeler Peak, NV. The specimen in question was known as Prometheus (incidentally meaning 'forethought' in Greek-something Currey might have benefited from at the time), and when Currey got his tree-corer stuck in the dense, resinous wood, a kindly park ranger offered to fell it so the equipment could be retrieved. This helpful soul was clearly unaware of the bristlecone's status on the International Union for Conservation of Nature's (IUCN) Red List. Upon counting the rings of Prometheus, Donal discovered it had been at least 4,862 years old and was thus believed to have been the oldest non-clonal tree on the planet. (The oldest clonal trees being a colony of quaking aspen [*populus tremuloides*] known as Pando in Utah at around 80,000 years old).

Luckily for Mr. Currey, another bristlecone aged at 5,065 years was later discovered, and along with another famous resident of the Inyo National Forest in California known as



LEFT: A bristlecone pine. Image / Supplied

Methuselah (4,841 years old), their exact location is kept secret. Perhaps a sensible idea.

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Tim Lovejoy clocks up 20 years at DJTS

By **JACQUI GIBSON** *Freelance Writer (Wellington)*

Correspondence to: jacquigibson@freelancing.co.nz

Blenheim arborist Tim Lovejoy clocked up 20 years with David James Tree Services in February – achieving a major career milestone.

Company owner David James, who employed Tim in 1996, says Tim is the longest-serving member of staff and it means a lot.

“He’s a great credit to our company. He’s incredibly calm, a real people person and our clients love him. They like having that personal relationship that’s lasted the years.”

Tim who oversees the company’s tree teams has gained a strong reputation for upskilling arborists of all ages from young people starting out to the more experienced tree surgeons keen to brush up on new techniques.

“He’s a great teacher,” says David. “He’s known for his training skills. He trains for my other business, Thoughtplanters, and has an engaging way of imparting knowledge to my team.”

“He’s very well-travelled – he’s travelled Europe, Australia and New Zealand, parts of Asia. He’s even spent time in Antarctica. So his training often comes with stories of tree work in far off places.”

Tim, 59, originally from England is one of the South Island’s longest standing climbing competitors.

“He’s a great role model. He’s still climbing. He’s fit – and he’s still really passionate about tree work. Tim’s an all-round good guy and loyal employee,” says David.

“It’s a rare thing these days. Our company is only 26 years old and he’s been with us for 20 years. To me, that really says something.”



ABOVE: Tim Lovejoy at work.

Image / Supplied

The ladder

By **SIMON MILLER** *Director, Peers Brown Miller (Auckland)*

Correspondence to: Simon.Miller@peersbrownmiller.co.nz

Standing on top of a windy ridge north east of Paihia recently, amongst regenerating bush dotted with isolated big canopy trees, I was put in mind of a film from the 1980’s. The film, *Fitzcarraldo*, directed by Werner Herzog, is the true-ish story of an Irish rubber baron in the Peruvian Amazon in the early 20th century.

Fitzcarraldo, played by everybody’s favourite Irishman Klaus Kinski (he of the venerable O’Kinski clan), has a dream of bringing opera to the Peruvian boom town where he lives. To finance his operatic dream he needs to access a particularly difficult to reach area of the rubber-tree rich Amazon basin. So to do this *Fitzcarraldo*, in his wisdom, decides he’s going to physically haul an enormous steam ship over a very steep hill from one Amazonian tributary to the next; access the inaccessible rubber trees; tap the rubber; sell the rubber; tap the cash and pay for the opera.

I won’t spoil the ending but it’s a compelling tale and needless to say a lot of significant challenges arise.

I was in the regenerating bush with my wife’s cousin and a



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large extension ladder. My wife's cousin was there to fell six mature Rimu trees – all approved and ticked off by the appropriate authorities. I was there as the climber – get to the top of the tree, haul and secure a steel cable as high up the tree as possible, move on to the next tree.

The ladder was supposed to be our key bit of kit, our time saving technology. And to be fair to the ladder it was, mostly – it gave us a five or so metre head start on most of the trees. But we also spent the day hauling the ladder up and down steep hillsides through dense understorey and bush-lawyerly bush. The six trees to be climbed were the last six of the quota so, naturally, they were the furthest away and hardest to get to.

Fair to say, it was a challenge getting to them and from them with the said ladder.

When we weren't manhandling the ladder it was being towed by the quad bike we were using to get from one ridge to another, typically resulting in twenty to forty minutes of high decibel rattling and knocking as we bounced along the rutted forestry tracks. That really did my head in; did both our heads in actually.

I was somewhat conflicted during this day of ladder and tree climbing. The net result of my actions was that it was going to be a lot easier to cut these big old Rimu trees down. But I couldn't deny how enjoyable it was just being paid to climb without having to faff around pruning and hauling chainsaws around the tree. After all being paid to climb was what got me into this business in the first place all those years ago.

Much of the land we were on was reverting to bush. The farm adjacent had recently been bought by a local Manuka honey manufacturer so, overall, the forest was advancing. Bit-

tersweet though – it would be a long time before Rimu trees like the ones I was climbing would be breaking through the understorey.

But the uncomplicated nature of the tree related task that day made for a very engaging yet diverting time. (Well, the climbing was complicated at times; all tangled throwing lines and recalcitrant flip lines, but the concept was clear – you know, just get to the top, using the ladder.)

The uncomplicated concept of Fitzcarraldo – get that enormous steamer over that steep hill – also makes for a very engaging yet diverting film.

But why all this film-slash-climbing-slash-ladder comparison action you may well ask. Well I was trying for some sort of metaphor that described the relationship between man and nature, and how tools – e.g. ladder or steam ship – affect our interaction with nature. How we feel when we are in awe of it, are inspired by it but how we also end up – through our actions in and amongst it – destroying it.

Big call, I hear you say, to come up with that metaphor. Very tricky mind twist that. Totally agree, that's why I was giving the old brain muscle a rest and letting the film, and the ladder, do the work for me.

Because how do you really want to spend your time – engaged and diverted or having your intellect twisted, trying to make sense, or a metaphor, out of what you're doing? Bit of both maybe. I suppose understanding that the story is about hauling the ship to the top of the hill is pretty much the same as 'just climb right to the top of the tree, using the ladder'.

That's it. No metaphor required.

Simple.

But, next time, can someone else carry the ladder?



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Branching Out

Virginia Tech researchers find compacted urban soils can be rebuilt to help urban trees thrive

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Virginia Tech researchers have developed a soil rehabilitation method that can help fix the compacted, rock-hard soils left behind after land development and building construction.

Trees planted in rehabilitated soil have as much as 84 percent greater canopy than those in untreated soil, according to Susan Day, associate professor of urban forestry in the College of Natural Resources and Environment. The research by Day and colleagues appears online ahead of print in *Urban Forestry & Urban Greening*.

Past work showed that their method, named "Soil Profile Rebuilding," decreases soil compaction, increases carbon sequestration, and increases the rate at which water moves through the soil, thereby improving storm-water capture.

"City soils are much maligned, and with good reason," said Day, who has a joint appointment in horticulture in the College of Agriculture and Life Sciences. "City soils are stripped and compacted and mixed and layered until they have little in common with their less-disturbed cousins in agricultural and forested lands."

The Soil Profile Rebuilding method uses compost and a special subsoiling technique adapted for tight urban spaces to create pathways through the soil for root and water penetration. A backhoe with a tined bucket is used to break up the compacted soil and incorporate compost to a depth of two feet (600mm).

Then four inches (100mm) of topsoil are applied and rototilled to a depth of six to eight inches (150 – 200mm), followed by planting trees or shrubs whose roots help the soil continue to develop.

Unlike many previous approaches to alleviating soil compaction, the effects of Soil Profile Rebuilding persist "because the technique doesn't just break up the soil physically; it also affects biological activity in the soil," Day explained. It is a useful tool for designers seeking SITES® (Sustainable Sites Initiative) accreditation from the U.S. Green Building Council.

The rehabilitation process was developed by Day, faculty colleagues, and graduate students in both colleges over the course of seven years of research at Virginia Tech and in Arlington County, Virginia, in partnership with Vincent Verweij, Arlington County's urban forester.

The researchers evaluated five tree species — red maple, swamp white oak, bur oak, elm, and cherry — over six years in response to Soil Profile Rebuilding in comparison with typical development practices and undisturbed agricultural soil at a long-term experimental plot area.

They measured tree growth and mortality of three additional tree species — ginkgo, scarlet oak, and katsura — one year after planting with and without Soil Profile Rebuilding in 25 plots along major thoroughfares in Arlington. Soil rebuilding resulted in 77 percent greater trunk cross-section area growth after one year.

"Municipalities and developers are often faced with a choice between wholesale replacement of existing soil or leaving soil untreated, resulting in frequent plant replacements, decreased biodiversity, and limited ability of the landscape to handle rainfall and reduce runoff," Day said. "Soil Profile Rebuilding gives them another option that is considerably more cost effective and sustainable than soil replacement."

Faculty co-authors on the research are W. Lee Daniels, the Thomas B. Hutcheson Jr. Professor of Crop and Soil Environmental Sciences, and J. Roger Harris, professor of horticulture, both in the College of Agriculture and Life Sciences. The three students authors have since graduated from Virginia Tech: Rachel Layman (lead author) earned a master's in horticulture in 2012, Yujuan Chen earned a doctorate in forestry in 2013, and David Mitchell earned a master's in forestry in 2014.

This research is funded in part by Virginia Tech's Institute for Critical Technology and Applied Science, the Tree Research and Education Endowment Fund, and the McIntire-Stennis Program of the U.S. Department of Agriculture's National Institute of Food and Agriculture.



Arboriculture developing elsewhere... is it really?

By **TIAGO MIRANDA** *Contract Arborist (Sydney)*

Correspondence to: chachiclimber@gmail.com

Have you ever thought about visiting a place where pollution is your main source of 'breathable' air, different people from all around the world visiting at the same time, noise all around, especially from buses and cars, an odd contrast of rich and poor, creating a virtual capitalist landscape, enjoying great food in great restaurants and basically knowing that you are one of more than 12 million people sharing the same place. These are the characteristics of a big city; a large amount of concrete sharing the same place whereas before it was a forest called the Atlantic forest, referring to one of the most important ecosystems in Brazil.

Exactly. São Paulo (Brazil) is the place I am referring to.

Noticing the great amount of pollution, you would have thought that important trees like *Platanus acerifolia* or certain types of *Tilia spp.* would be necessary to facilitate our breathing necessities. Not in this case.

Travelling to Brazil recently, more specifically to São Paulo, where I am actually from, was a shocking experience. As always, when you take more than four years to come back to your home town, your eyes are sharp enough to notice the bad stuff beforehand.

São Paulo is a great city with more than 12 million people, extending to more than three municipalities comprising of more than 20 million people in total. It's history is comparable to any sort of fast growing industrial city in the rest of the world, for example Los Angeles. The only difference is it never had a scheme or a plan of urbanisation at all.

In the mid of 16th century, São Paulo was considered a village where the Jesuits, after arriving in São Vicente, a nearby city, chose to go to explore and find new paths guided by native Indians, to discover new lands, where rich white lords could construct their farms and have their massive gardens of exotic species of plants and fruits.

By that point, they realised the potential of the land to grow coffee. From then on, monocultures were the key to economic success with coffee driving the country's economy and São Paulo became the main place to grow it.

In the middle of the 19th century, rapid growth initiated a disparity in relation to green areas and specific places were totally demolished to build more and more factories. Not just coffee farms, but textiles also were in great demand, attracting all sorts of workers from around the country.

Well, as you can see, trees were, and still are, their last concern. Walking down the street you will find great mature trees from the Atlantic forest such as Jatobá (*Hymenaea courbaril*), Jequitibá (*Cariniana spp.*) or even little important trees to Brazil's history such as Pau-ferro (*Caesalpinia ferrea*) or Pau-brasil (*Caesalpinia echinata*). But is there any maintenance for those trees? Where are the qualified professionals? Why does an important tree like that not have attention at all? Let's say, because of a lack of money. Lack of a structured industry to provide great training and satisfy the landscape with good tree work to properly maintain those beautiful trees? Maybe all those reasons, but the city grew so fast to not consider the importance of green areas and great quality life for the general population. Instead, the great green areas, parks and private gardens were reserved for the rich people.

The West zone of the city is the most privileged place. In certain parks, you can find Paineras (*Ceiba speciosa*) with their amazing

spiked trunk and pretty pink flowers in the spring. You also find beautiful Chapéu-de-sol (*Terminalia catalpa*) with their great canopy width and large leaves, protecting all of us from the radiating sun on those hot days. Also, it produces great fruits from which you can boil and eat the seed, which provides a great source of minerals and vitamins.

There are several great places like this in the middle of this concrete jungle. At the same time, you can notice the lack of an urban plan where you see trees like Privets (*Ligustrum spp.*) lying around, demonstrating an easy and low maintenance way to fill gaps in the city without worrying too much about the ecological impact these exotic trees can create in a urban environment like São Paulo. I am talking about the aggressive roots, and also fruits that are not edible, not even for birds.

Looking around I can see great potential to develop a good arboriculture industry, providing all sorts of services and creating opportunities to companies to start their own business. Before all that, training will be a prerequisite.

Arboriculture is something new over there. How do you start creating something? How do you demonstrate that tree care is important for a better quality of life? Why they haven't planted wisely enough like many cities in the USA, for example?

Those are questions that eventually will be answered. Visiting places like that is definitely a boost to our careers, considering how lucky we are, where the term arborist is considered a job title and where most individuals can call you "tree doctor".



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Down to Earth

Husqvarna Wellington Regional TCC 2016

By **MARLIES LASER** Wellington City Council (Wellington)

Correspondence to: Marlies.Laser@wcc.govt.nz

The Wellington Regional TCC committee of Cameron Mitchell (Bark), Craig De Denus (Arb Innovations), Marlies Laser (WCC) would like to thank all the sponsors and helpers who made this event possible.

Highlights of the day included the excellent location in the Botanic Gardens and the nice sunny weather.

We had a big day with 35 competitors, 25 judges and helpers, happy kids in the kids climbing event, a popular Tree Trust BBQ, and knowledgeable arborists around with an "Ask an Arborist" t-shirt on, ready for questions from the public.

Our international guest climbers Mark and Tiago from Australia and Harrie from the Netherlands, as well as tree climbers from all over the country made the day enjoyable and memorable for everyone involved.

Kieran Edwards won the "Spirit of the Competition" award for the ongoing support and tips he provided to his fellow climbers.

At the end of the day an abundant prize table rewarded the regional competition climbers, many thanks to Husqvarna, Treertools, Arb Innovation, Bark, Nicky Ward-Allen, and a very pleased Duncan Ford who won the draw for the Husqvarna chainsaw.

AB Equipment Speed Climb Head Judge (HJ): Evan Gworder (UHCC), event winners: Elisha Walker (38.24 secs), Jack Taylor (19.94 secs)

Donaghys Footlock HJ: Kane Kench (Treescape), event winner: Aaran Turner (22:55 secs)

Metrogreen Throwline HJ: Kevin Squire (Harbour City Tree Care), event winners: Elisha Walker (9 points), Reuben Drew (15 points)

Silky Aerial Rescue HJ: Scott Forrest (Scott Forrest Arborist), event winners: Elisha Walker (19.33 points), Reuben Drew (40 points)

Asplundh Work Climb HJ: David James (David James Tree Services), event winners: Elisha Walker (23.67 points), Michael Curwen (59.17 points)

The 'New Arborist of the Year' competition: Josh Symes (1st place), Tom Cunningham (2nd place)

The top 4 local qualifiers for the National TCC are:

- 1st place: Michael Curwen (Arb Innovations)
- 2nd place: Arran Turner (Treescape)
- 3rd place: Nick Ellis (Treecraft)
- 4th place: Reuben Drew (Willco)

Congratulations to all the qualifiers and we are looking forward to seeing you at the Nationals on 4th and 5th November in Auckland!

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Asplundh Work Climb

Place	Men's Climber	Score
1st	Mark Gistitin	64.67
2nd	Tiago Miranda	64.27
3rd	Harrie Verbeek	60.38
Place	Women's Climber	Score
1st	Chrissy Spence	69.00
2nd	Elisha Walker	23.67
3rd	Stef White	17.67

Silky Saws Aerial Rescue

Place	Men's Climber	Score
1st=	Tiago Miranda	40.33
1st=	Dale Thomas	40.33
3rd	Reuben Drew	40.00
Place	Women's Climber	Score
1st	Chrissy Spence	43.00
2nd	Stef White	39.67
3rd	Elisha Walker	19.33

AB Equipment Speed Climb

Place	Men's Climber	Score
1st	Sam James	20.00
2nd	Jack Taylory	19.80
3rd	Harrie Verbeek	19.30
Place	Women's Climber	Score
1st	Chrissy Spence	20.00
2nd	Stef White	19.82
3rd	Elisha Walker	17.49

Donaghys Secured Footlock

Place	Men's Climber	Score
1st	Dale Thomas	20.00
2nd	Harrie Verbeek	19.75
3rd	Mark Gistitin	18.51
Place	Women's Climber	Score
1st	Stef White	20.00
2nd	Chrissy Spence	14.95
3rd	Denim Paige Kench	0.00

Metrogreen Throwline

Place	Men's Climber	Score
1st	Dale Thomas	18.00
2nd	Reuben Drew	15.00
3rd	James Petrie	13.00
Place	Women's Climber	Score
1st	Elisha Walker	9.00
2nd	Chrissy Spence	4.00
3rd	Stef White	3.00

Husqvarna Final Placings

Place	Men's Climber	Score
1st	Dale Thomas	158.67
2nd	Harrie Verbeek	150.42
3rd	Mark Gistitin	146.66
4th	Tiago Miranda	139.13
5th	Michael Curwen	129.19
Place	Women's Climber	Score
1st	Chrissy Spence	147.95
2nd	Stef White	100.16
3rd	Elisha Walker	69.49

Full results at nzarb.org.nz



ALL IMAGES: Action from the Wellington Regional TCC.
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Wellington aerial rescue training day

By **WILLIAM MELVILLE** Team Manager Arboriculture, Wellington City Council (Wellington)

Correspondence to: william.melville@wcc.govt.nz

Arborists from the lower North Island spent a day practising aerial rescue techniques in Upper Hutt's Maidstone Park, in late February.

The free safety training event was organised by local companies with around 80 people in attendance from New Plymouth, Wairarapa, Horowhenua, and the immediate locality. Approximately 20 local companies were involved in the day which shows the importance that employers are putting on safety training. They were from a variety of backgrounds including; utility, residential and council work, some had been working in trees for many years, whilst others had only just started.

The day was a chance for people to learn something, get to know each and share ideas. "Any emergency situation is a high-stress environment – and minutes can mean the difference between life and death. You need to practise for these situations, so that when it happens your response becomes second nature."

Aerial Rescue training is important because it is a high stress situation where the response is on a reflex level and higher thought functions are blocked to increase response efficiency. Regular training is essential preparation to respond correctly under pressure.

At the start of the day Damian McGlinchey from the Wel-

lington Free Ambulance Rescue Squad gave a presentation on the equipment they use and techniques to rescue people from inaccessible sites. They demonstrated the use of a CAT tourniquet, a product developed by the American army in Iraq and Afghanistan and a compression field dressing that applies pressure to large wounds. The most surprising aspect was that these professionals of tricky rescues said they would not know where to begin when it comes to a tree rescue and that it would be up to your work colleague to get the casualty to the ground.

WorkSafe's Maurice Lobb attended to answer questions on how the new health and safety laws will soon come into effect. He engaged with many of the climbers there and gave them useful advice on how to prepare for the changes. Maurice said, "It is really good to see arborists taking health and safety seriously and it demonstrated the importance of training and having an emergency plan ready in case of an accident"

On the day we talked about the main aspects of aerial rescue including what you need for a successful rescue, what accidents can happen in the tree, suspension trauma and different types of rescue scenario.

The prerequisites for a successful aerial rescue include, a second climbing kit/ pair of spikes on job site, first aid kit and first aid training, knowledge of team mates gear and tech-

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niques, access line installed (when that is the fastest access method), regular training and being in the tree on a system that allows you to descend to the ground. There was some interesting discussion around this and the realisation that not everyone knew what system the colleagues were using.

There are many different types of accidents that can happen in a tree. These include handsaw and chainsaw cuts, exhaustion and dehydration, crush injuries, insect bites or stings, allergic reactions, electric shock, suspension trauma, rope burn, scalping. You need to be prepared to deal with all of these and have the training to apply first aid when it's needed.

On the day the participants were split into four groups. Each of the groups went through training at three stations;

Basic rescue techniques:

- Ways to position yourself relative to injured
- Ways to keep injured upright
- Ways to take weight of injured in own system

EWP Station

- Best practice rescues
- Electrification of trucks
- Calling the local network and what information they need

SRT Station

- Introduction to SRT techniques
- Base anchoring systems
- Advantages and disadvantages to SRT

Pole Rescue

- Climbing systems that can be used while on spikes
- Rescue techniques

This is the third year we have run this event and it was a great success. If you are interested in attending or want to help out next year please let me know (william.melville@wcc.govt.nz).

Finally thank you to all the volunteers who helped organised and run the event, companies for letting their staff attend and to the sponsors for keeping it free!



BELOW: All eyes on the training techniques being shown at the Wellington Aerial Rescue Training Day.

Image / Supplied



Tree of Knowledge

Thinking Outside the Planter Box: Build it and they will come

By **MARK ROBERTS** Academic Manager, Thoughtplanters (Dunedin)

Correspondence to: mark.roberts@thoughtplanters.com

We are all just animals. And while it may seem that some of us may exhibit a different level of evolutionary poise than others, we are all just animals and we act and do as animals do. Social scientists and ecologists study this; what animals do. They look for trends and patterns and see if those trends or patterns reoccur and/or can be reproduced in different species, in different environments. Depending on where you draw the line, our trends and patterns, our actions or inactions are pretty predictable – this is big picture stuff, I'm not talking about free-will, fashion sense or Henderson, I'm not talking about destiny or some sort of celestial predetermined pathway, I'm talking about basic animal attributes – things that all animals do.

One of the things animals do, in fact one of the things that all living things do, is take advantage of ecological opportunity if and when it presents – so I'm also saying we act like plants as well.

Ecological opportunity is when an organism takes advantage of the lack of competitors in an environment and therefore acclimates itself to inhabit it [that environment]. Examples of ecological opportunity can be found everywhere; in forests fast growing plants fill a space made when a tree falls, which in turn is filled by other plants then trees and then the forest returns. If you don't clean your feet or change your socks, naturally occurring yeasts and fungal bodies will exploit the opportunity presented and set up residence between your toes and if you build a new motorway there will be an opportunity for more cars and more cars will inhabit that environment.

Building more roads creates an ecological opportunity. If you present an opportunity for cars we'll get cars (as well as trucks and buses etc. etc.) and once the road is full there will be more cars on the more roads, the old roads will be full and the new roads will be full too. It's a predictable pattern that has been tried and tested. Building roads creates an ecological opportunity just like in the forest and just like in your socks – build it and they will come.

The solution to Auckland's traffic problems, is not building more roads – its planting more trees. Planting more trees is also the solu-

tion to tree related mortality, but that's another topic altogether. The easiest way to free up Auckland's roads is to get people off Auckland's roads – we don't need new roads. If a viable opportunity not to be on the road exists, then people will take advantage of it. Getting people off the roads isn't about adding a bus lane or painting a cycle path on the road – no, it's about designing a system that has a lack of competitors (i.e. cars, trucks and buses) in an environment meets the needs of the user (i.e. gets the user from A to B quickly and safely).

This phenomenon is really not that complicated, it's really well documented and I'd really love to claim ownership for this, but I can't. At the recent Urban Tree Diversity conference in Melbourne, Anne Jaluzot of the Trees and Design Action Group gave a painfully logical presentation on how and why current transport strategies don't work. She cited examples where cities have freed up their roads and fixed their transport woes not by building more roads, but by providing the opportunity for other means of transport – building more roads isn't the solution, getting people off the roads is.

If you haven't done so already then check out the Trees and Design Action Group (<http://www.tdag.org.uk>), download their publications, read them and get them in front of as many developers and town planners as you possibly can – they are free to download and they encourage distribution.

So how does planting more trees help get people off the roads? Again it's all about ecological opportunity. For a safe, efficient network of alternate transport to be used it, not only must it be functional but it must appeal to the user. Line it with trees and don't limit the selection – mix it up, species diversity is soon to be mantra of all urban ecologists (if it's not already). There are 101 benefits for urban trees, but as far as the average roading engineer is concerned, trees slow down cars (which is ideal if you are trying to discourage cars).

The solution to Auckland's traffic problems, is not building more roads, but getting people off the roads and for this to happen the opportunity for has to be there.

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Biz Log / Notices

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Primary ITO appoints Mark Darrow as new Chair

The industry training organisation for the primary sector, Primary ITO, is pleased to announce the appointment of their new Board Chair - Mark Darrow.

Mark will replace current Chair, John Parker, at the ITO's Annual General Meeting to be held on the 25th of May 2016.

Outgoing Chair, John Parker, successfully led the ITO through a transitional period. "I joined the Primary ITO Board as the transitional Chair in February 2014 when Primary ITO and the New Zealand Industry Training Organisation (NZITO) merged," John says.

Green thumb named new Primary ITO Ambassador

The curator of the main gardens at Wellington's Botanic Garden has been chosen to help inspire other New Zealanders to follow a 'green' career path.

Karl Noldan is Primary ITO's new ambassador for 2016 and will showcase the pathways available within the burgeoning horticultural industry.

The New Zealand Arb Association

2016 RONALD FLOOK AWARD CALL FOR NOMINATIONS

The NZ Arboricultural Assoc. (NZ Arb) is calling for nominations for the 2016 Ronald Flook Award.

This NZ Arb Award was established in 1993. The Award is to elevate and recognise high standards of practice in Arboriculture, including tree raising, tree health and management, and amenity tree protection or design. The recipient will have demonstrated exceptional management of trees, whether functional or aesthetic in any stage of development.

The NZ Arb have named this award after well-known, Nelson-based Landscape Architect Ron Flook for his tireless contribution to Arboriculture in New Zealand through the Notable Trees Scheme and the development of the Standard Tree Evaluation Method (STEM). The award also recognises the standard of his professional work and the way he used trees as significant features in his landscape designs.

2016 is the 22nd year that the NZ Arb Ronald Flook Award is to be presented. The successful nominee receives the gift of a bone carving and loan of the trophy for one year, together with a cheque for \$500.

Nominations are to be received before
31st August 2016

and should be sent to:

The Administration Officer (Ron Flook Award)
NZ Arboricultural Association
PO Box 5596, Wellesley Street, Auckland 1141

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CALENDAR

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1-3 Apr: San Antonio, Texas, USA

Info: www.itcc-isa.com

ISA TRAQ Course

13-15 Apr: Christchurch

Contact: Lea Boodee - lea@on-cue.org.nz

Info: <http://www.nzarb.org.nz> (Safety & Compliance)

Monthly Mulch eNewsletter Deadline

26 Apr: Deadline for content and adverts

Contact: Lea Boodee - lea@on-cue.org.nz

MAY 2016

Auckland Regional TCC

7-8 May: venue to be advised, Auckland.

Contact: David Stejskal - david.stejskal@aucklandcouncil.govt.nz

Executive Committee Meeting

May: Date to be advised. Wellington Airport, Wellington

Contact: Jon Redfern - secretary@nzarb.org.nz

Tree Matters Magazine Edition 70 Deadline

30 May: Deadline for articles and advertising

Contact: tree.matters@gmail.com

LATER...

ISA Annual International Conference & Trade Show

13-17 Aug: Fort Worth, Texas, USA

Info: <http://www.isa-arbor.com/events/conference/index.aspx>

NZ Arb Annual Conference & National TCC 2016

3-5 Nov: Pullman Hotel, Auckland

Contact: Lea Boodee - lea.boodee@nzarb.org.nz

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Treescape	Arborist Services	3
Hansa	Arborist Equipment	4
Levin Sawmakers	Arborist Supplies	5
Carlton Contracting	Arborist Services	7
Silex Tools	Arborist Supplies	8
Commercial Outdoor Machinery	Arborist Equipment	9
Tree Hub	Arborist Supplies	11
AB Equipment	Arborist Equipment	13
Hansa	Arborist Equipment	14
Specimen Trees	Arborist Supplies	15
ALFA Contractors	Arborist Equipment	16
NZ Arb	Annual Conference	17
NZ Arb	Approved Contractors	18
Downer	Arborist Vacancy	19
NZ Arb	Approved Contractors	19
NZ Arb / ISA	Find an ISA Certified Arborist	20
Zenitec	Arborist Clothing	IBC
Husqvarna	Arborist Equipment	OBC



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www.isa-arbor.com/findArborist/findarborist.aspx



AUCKLAND

ERICA COMMERS - Auckland

ADRIAN LAMONT - Pukekohe

PETER ROCHE - Dargaville

TASMAN-NELSON-MARLBOROUGH

DAVID JAMES - Blenheim

OTAGO

ALVAR DEL CASTILLO DE AGUINAGA - Dunedin

JERRY LYNCH - Central Otago

MARK ROBERTS - Dunedin

PETER WAYMOUTH - Dunedin

WELLINGTON

NICHOLAS ARNOLD - Wellington

HAMISH BROWN - Wellington

DANIEL JAMES COOPER - Paraparaumu

MURRAY MIDDLETON - Wellington

TIAGO MIRANDA - Wellington

PAUL SMITH - Wellington

KEVIN SQUIRE - Wellington

RICHARD WANHILL - Wellington

CANTERBURY

MICHAEL WINSTANLEY - Christchurch

NOTE: This information is taken from the ISA website and is up-to-date at time of printing. If you are missing from the list or the location information is incorrect, please contact the ISA directly to ensure your information is accurate.



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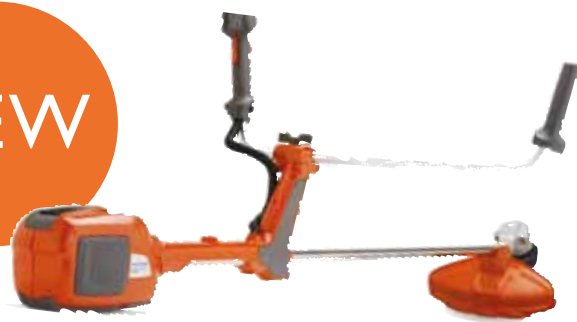
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