



TIWAI POINTER

New Zealand Aluminium Smelters Limited

April to June 2013

Freight Haulage celebrates NZAS milestone

Special thanks to Freight Haulage who recently presented NZAS with a framed photograph to celebrate the smelter's 40th anniversary.

Dale Cocker (GM Specialised Transport) and Greg 'Rangi' Payne (Manager) presented the commemorative picture to Ryan Cavanagh just prior to Ryan departing NZAS for Gove.

Freight Haulage has been alongside NZAS every step of the way since the smelter commenced operations in 1971 by transporting aluminium and raw materials. Did you know that around 4,000 trips are made by Freight Haulage to and from NZAS each year? That's a lot of driving!



Ryan Cavanagh & Dale Cocker pictured with the framed commemorative photo gifted by Freight Haulage

FYD Southland's very humbling gesture



Tommy Foggo is pictured returning the NZAS sponsorship cheque to Stew Hamilton during a Kiwi Can class at Bluff Community School

NZAS has been a proud supporter of Kiwi Can since it was introduced to Southland in 2003. The programme is a life skills and values education programme run in low decile primary/intermediate schools, operated through the Foundation for Youth Development Southland (FYD).

Tommy Foggo, Chairman of FYD Southland, recently returned the smelter's 2012 sponsorship cheque. This is an incredibly generous and humbling gesture as we appreciate how difficult it is for charitable organisations to raise adequate funding for their community programmes.

The Trust wanted to acknowledge the very difficult economic climate NZAS was operating in and decided to return our 2012 contribution, as well as delaying seeking funding in 2013. This does not mean that FYD doesn't need our funding, quite the contrary, however they wanted to support NZAS. If we are in a position to do so, we will commence the reinstatement of the payments in 2014. This generous gesture is very much appreciated and we would like to sincerely thank them. FYD, you rock!

FYD and NZAS both value the relationship that has grown between the parties over the last ten years.

Initially three local schools participated in Kiwi Can, with this number having now grown to seven (Bluff, Halfmoon Bay, Fernworth, Ascot, New River, Matura and Longford). Today Kiwi Can works with around 1,200 Southland primary/intermediate school children every week of the school year, teaching skills that will help these children succeed in life.

If you would like to make a donation to FYD Southland, please contact Andrea Carson. Help us grow great Southland kids!

An unusual visitor from the tropics

Glenn Scott from the Lab, is pictured next to a rather unusual tropical visitor, a sunfish that washed up on the shore near the Tiwai Bridge.

Sunfish, or *mola*, develop their truncated, bullet-like shape because the back fin which they are born with simply never grows. Instead, it folds into itself as the enormous creature matures, creating a rounded rudder called a clavus. *Mola* in Latin means 'millstone' and describes the ocean sunfish's somewhat circular shape. They are a silvery color and have a rough skin texture.

The sunfish are the heaviest of all the bony fish, with large specimens reaching more than four metres vertically, over three metres horizontally and weighing nearly 2,270 kilograms. Sharks and rays can be heavier, but they're cartilaginous fish.

Sunfish are found in temperate and tropical oceans around the world – not usually seen in the cold waters surrounding the South Island of New Zealand! They are frequently seen basking in the sun near the surface and are often mistaken for sharks when their huge dorsal fins emerge above the water. Their teeth are fused into a beak-like structure, and they are unable to fully close their relatively small mouths.

Ocean sunfish can become so infested with skin parasites that they will often invite small fish or even birds to feast on them. They will even breach the surface up to three metres in the air and land with a splash in an attempt to shake off the parasites.



They are clumsy swimmers, wagging their large dorsal and anal fins to move and steering with their clavus. Their food of choice is jellyfish, though they will eat small fish and huge amounts of zooplankton and algae as well. They are harmless to people, but can be very curious and will often approach divers. Sunfish have a life span in captivity of up to ten years.

Their population is considered stable, though sunfish frequently get snagged in drift gill nets and can suffocate on sea trash, like plastic bags, which resemble jellyfish.

Our People



Name: Brian Hotton

Position: Green Carbon/Bake Operator

How long have you worked at NZAS?
36 years

What would you do if you won Lotto?
Leave the smelter and continue to do more overseas trips

What is your favourite tippie?
I like a bourbon every now and again

Who is the person you most admire in the world?
My wife

What is your favourite leisure activity?
Fishing and playing indoor bowls

Where is your favourite place visited in the world?
The Greek Islands

What's your favourite NZ holiday spot and why?
Wanaka – the peace and quiet when we go in February

Southern Lakes Helicopters go above and beyond

Huge thanks to pilot Chris Green, from Southern Lakes Helicopters (SLH).

Chris took members of the NZAS Kakapo maintenance team through helicopter evacuation training recently at Invercargill Airport. Special thanks also to Lloyd Matheson, Operations Manager for SLH, who organised the training free of charge. Safety is our absolute priority in everything we do here at NZAS and it's great to see that SLH obviously share the same values.

Southern Lakes Helicopters is based in Te Anau and is owned and operated by Richard and Carol Hayes. Most

people will have heard of Richard 'Hannibal' Hayes as he is a very well known and respected pilot with more than 40 years experience flying in the mountainous terrain of Fiordland.

As well as operating charter flights, SLH have been awarded the contract to provide helicopter services to Antarctic NZ for the next few years. In addition to this they perform search and rescue services throughout the region, often with the use of night vision equipment. The fact they have been awarded such important contracts clearly demonstrates that they run a very professional and safe operation. For further information refer to their website www.southernlakeshelicopters.co.nz.

Did you know that any charter airlines used by NZAS employees must be audited on an annual basis? Pacific Aluminium commissions Hart Aviation to conduct the audits on our behalf. Southern Lakes Helicopters and Stewart Island Flights are the only two charter airlines we are able to travel with, and both undertake a very rigorous audit each year.



Pictured (from left) Alan Broomhall, Chris Green (Pilot), Alistair Wilson, Dave Rosanowski, Diesel Faulkner, Peter Warden, Brent McFelin, Sharon Trainor (DOC) & Andrea Carson

Predator-proof enclosure trial

If you venture out onto Tiwai Peninsula from next month onwards, you may see something a little out of the ordinary.

In conjunction with the Department of Conservation, a 6 x 6 metre enclosure will be erected in early July with the purpose of testing a new predator-proof enclosure design, as well as the suitability of construction materials at a coastal site. The trial will be conducted over a three year period.

Eric's yacht is ready to sail into the sunset ...

Congratulations to Eric Bretscher (who used to work in Operational Services) for completing his yacht. Eric not only designed the vessel, but he also built it himself.



We asked Eric to make a few comments about this remarkable project:

"I designed it between 2000 and 2004 using 3D CAD and a specialised performance prediction programme I wrote for the occasion around 2000-2001. It allowed making better design decisions. In the end, an accomplice arranged night-time access to the Otatara School swimming pool and we towed a 1.3-metre long hull model as a final validation. I still have that model. Strangely enough, people always ask me whether I am going to finish it - well, I have the big one now, haven't I?!"

Construction started in June 2004, shortly after I had coincidentally relocated to Bluff, and took about six years, using unpaid slave labour. That's the way real stuff used to get done, like the pyramids. Only distinction there was generally only one single slave on my job. Further recruitment for a full-time position was unsuccessful. Now and then I lost a few weeks to other priorities, annoyances like starting VDC1 or people wanting other boats designed. My slave was recycled through various trades throughout the project.

Alan Broomhall and Allan Wood helped me lift it and move it a few times, especially near the end and it couldn't have been better. Launching took place in October 2010 on one of the biggest tides of the year. It

wasn't any real event - a project in a shed became a project afloat by the end of the day. A few people, including at South Port, were kind enough to arrange me a place with reasonable access to tie up while I finished many jobs on board including rigging, sails, wiring, upholstery and more.

First sail out the harbour only became possible about six months later. By then, everyone had got used to seeing the boat on the water so I could take it out quite casually, without having to arrange a ceremony. This was the real event however, the outcome of all the work invested over ... a decade - hmm. There was a bit much wind for the only headsail I had at the time and with 100 square metres of sail up, it was a bit sporty. Out a few miles into the Strait into the southwest wind and swell and back. It felt right. I never actually tuned anything much afterwards.

There is a discovery process associated with any new yacht, it has to do with finding out what works and what doesn't, and how to best handle it - and tame it sometimes. Since completing the sail inventory, I took it cruising quite a few times on my own between Bluff, Port Pegasus at the bottom of Stewart Island and Akaroa, some 2,000 nautical miles all up now. But there is nothing quite like life offshore on a yacht and I wouldn't mind sailing back to Canada and Alaska one of these days. It just doesn't seem to be anywhere around the corner at the moment."

We wish you all the very best for your future sailing adventures Eric.



Long Service vouchers

Vouchers for employees who reached service milestones of 25, 30, 35 and 40 years continuous service between 1 January and 30 June 2013, will be presented with their vouchers over the next few weeks.

Those who are to receive their 25 year vouchers would have started at NZAS in 1988. To celebrate, check out the photos below which were all sourced from Tiwai Pointers from that year. Thankfully fashion (not to mention facial hair) has changed a little since those days!



Potrooms winning team; L to R Barry McCulloch, Gary Tucker, Dave Dolphin, Metal products Manager, Carl Needham, Darrell Jones.



Dave Rodgers owns some of his goodies



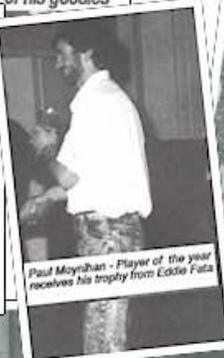
KARL THOMSON AT THE CONTROLS



John Esplin presents Iki Talamahina with the Social Club Trophy for 2002/03.



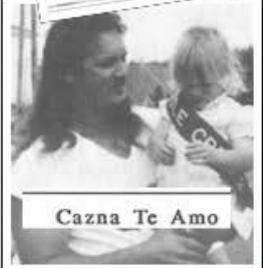
MOST IMPROVED PLAYER, KEVIN TURNHOUT RECEIVES HIS TROPHY FROM DOT ROPIHA.



Paul Moynihan - Player of the year receives his trophy from Eddie Fata



Left; Gail Rance receives her prize for Most Golf.



Cazna Te Amo



happy winners of the Shell Cup . . . the Potroom team of (from left) Gary Tucker, Derek Deans, Carl Needham and Barry McCulloch.



Dave Rosanowski and Peter Dawson study manuals in the garage.



Fiona McGregor and Colin McDonald check out the system.



Donald Ward, of maintenance, replacing the Legs on a 25 tonne ore bin.



Apprentice team (left to right) Robert Heads, Shane McGillan, Stuart King, Paul Coveney, Andrew Boon, Tracy Peters, George Kempton, Peter Gear, Nathan Donnelly, Nigel Comerford and Craig Pascoe.



Ken Bolger (right) presents safety awards to Colin Thompson with Dave Dolphin looking on.



Left to Right: Murray Henderson, Donald Walker, Brian Burke and Vice Chairperson Val Crighton



Bob Farmer, Donald Simpson (rear) and Neil Johnston make sure all items are correct.



Entrants for the Crew Two Baby Show with proud Mum's and Dad's



Left to right: Pat Kiore (team manager) Iki Talamahina (coach) Allan Meikle (captain) and Eddie Fata (retiring treasurer).



Murray and Carol Fless



Debbie strikes gold!

The 'Goldrush' event is a 375 km, three day multi-sport race, which includes kayaking, mountain biking, running and road biking – definitely not for the faint hearted!

Debbie Rankin and Jo Wilson, who both work in the Technology & Sustainability department, competed in the event, with Debbie and her team mate Sarah Kennedy winning the Veteran Women's team category by a mere one minute and 18 seconds from the second placegetters (which were incidentally a three woman team). Congratulations Debbie, you are a legend!

Jo competed in a three-person team as paddler, with one of her team-mates being her sister. Goldrush has been held for 17 years and Jo has competed in all but one of them. However, she does have a very good excuse for missing one year, due to her Mum's 80th birthday. Congratulations Jo on a remarkable achievement.

The inspiration for Goldrush originated from the historic footsteps of the pioneers who came to Central Otago searching for gold in the 1860s. The course traces many of the early goldmining pioneers trails.

Debbie highly recommends participating in Goldrush. So what pushes her to compete in this event? Well Debbie



Jo & Debbie pictured with Debbie's Goldrush Veteran Women's team trophy

enjoys the challenge, the weather extremes, the friendships she has made, and also getting back to basics.

So, if you are interested in competing in the future, details can be found on the following website: www.goldrush.co.nz. Entries can be made as an individual, tandem (two-person team with both people doing all legs), two-person, or a three-person team.

Local Interest Group programme

NZAS operates a Local Interest Group programme, whereby key stakeholders are invited to visit NZAS periodically.

Twenty-seven members of the Southland Chamber of Commerce visited site recently. The group's tour included visiting the Power Supply Control Room, followed by Cell Repair. Acting General Manager, Stew Hamilton, then gave a presentation on our business. This was followed by a Q&A (question and answer) session.



Wayne Cleaver shows the group around the Power Supply control room

Other organisations who have been invited this year include the Bluff Community Board, Department of Conservation, Southland Conservation Board, Federated Farmers Southland, Awarua Bay neighbours and farmers with environmental monitoring stations located on their properties.



Tony Warren explains what work is carried out during the refurbishment of reduction cells