

FACILITATION

FMD, University of Waikato

Issue No: 60 - May 2008

New Power Supply to Campus

Preliminary work for the remodelling of the shop complex required the relocation of the forty year old main eleven thousand volt switching station that has been located in the rear of the shop complex. The work required a close working partnership between the key stakeholders namely WEL Networks, Maunsell architects and the University.

The Electrical design required us to connect to a new 'Superfeeder' from Knighton Road and bring on to campus a cable size of sufficient capacity to secure the campus for at least 40 years of expansion.

Planning had been progressing through 2005/2006 for a theoretical replacement of the asset in 2010 however this was brought forward due to the campus student centre project and shop complex. The project physically commenced with the relocation of some high tension cables and removal of trees to allow the construction of the 11kv switch room to commence. Excavation unfortunately found some other street lighting service cable that were not expected to be in that area, these were removed and reconnected through other supplies at the completion of the project

The Building is unique in that it has the first 'green' roof on the University campus and was designed to harmonise with the area and in particular the new Student Centre. Construction was complete late 2007 and then the installation of switchgear and cabling to outlying buildings commenced.

All works were completed early may 2008 with only very minor electrical disruption to campus.

A vote of thanks to all FMD staff that helped with various parts of this project – we could not have achieved all this without you. --- --- *Robin Dunmall*



Old to new



Old to new

UniSafe – New Parking Attendant

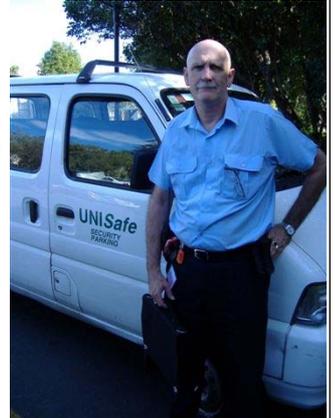
Roger Crawford

Born: Matamata
Lived on dairy farm at Te Poi (bottom of Kaimai ranges). Primary school Te Poi and then Matamata Intermediate & College.

First job: Police Officer – training at Trentham,

worked in Auckland, Gisborne and Hamilton. Left Police as a Senior Sergeant in 1996. Worked part-time for 4 years and then moved to Australia with my wife in 2000. Worked in a hotel during the Olympics and then took a job as a Council Ranger (By-laws Officer) for the next 6 years. We have a daughter living in London and a son here in Hamilton. We moved back to Hamilton to be near our son and his wife. Our son is a software engineer (programmer) at Gallaghers, and our daughter-in-law is a scientist with EW. Our daughter works in HR and had been at Heathrow airport, but moves to a new job next week with a consulting firm. My wife Mary is an Immigration Officer. We met in Auckland when she was a Police Officer. She has also been a Prison Officer and a Customs Officer at Hamilton Airport.

Regards, Roger



FMD Social Club

FREE LUNCHTIME SAUSAGE SIZZLE: Wed 28th May at midday in the FMD courtyard.

MID YEAR SOCIAL: The mid year social is on **Friday 27th June at 6pm**. A dinner and show at 'Glamz', Garden Place. The show is 'Mid Winter Divas' and costs \$50. The Social Club will subsidise this by \$25 so the only cost to you is \$25. The meal is a 3 course set menu. Those who are **definitely** going please put your name down on the board in the FMD tearoom. There will be **no refunds**. **Money to be paid by Friday 13th June**.

First of all, me and my whanau will like to very much thank you all - FMD and Uni for the chance to be part of this family and to meet some good people, but most of all I thank Pieter K and the rest of the carpentry dept for putting up with me here. My new job is at home at a pack house. They deal in Kiwifruit, my wife she does the day shift packing and grading and I will be doing the night shift packing and forklift as well. So once again to all of you guys and gals LIVE WELL AND SAFE, and smile at each other and say hello and the world will be a better place. I will not say goodbye but see you people later Panapa

(Panapa leaves the Uni on Friday 23rd May).

Air conditioning, Dehumidification and Relative Humidity explained

Relative Humidity expresses how much moisture is in the air, as a percentage of the total moisture the air can contain at the current temperature. For example, if the air has all the water vapour that it can contain at a given temperature, the relative humidity is 100%; if the air has only half of the vapour that it can contain at a given temperature, the relative humidity is 50%. Therefore, for a given amount of water vapour in the air, the relative humidity will change inversely with temperature: as the temperature drops, the air becomes relatively more saturated, and the relative humidity goes up.

An air conditioner or heat pump that is retailed in New Zealand consists of two heat exchange coils (outside and indoors), two fans and a reversing valve, the principle of operation allows the device to either heat or cool a space at any one time, it cannot do both together – this point is very important. It also means that some dehumidification may be achieved in the cooling process but none in the heating process which makes the device useless for humidity control. Heat pumps are very efficient devices and allow coefficient of performance of up to 4 to be achieved, in real terms this means in comparison to an electric heater you can get up to four times as much heat for the same energy cost.

A process cooler is similar to a heat pump but has an extra coil, this is of a different design to the standard heat pump and the extra coil is designed to run at a very low temperature in order to pick up moisture from the air within the conditioned space. The process cooler can therefore heat and cool at the same time allowing air within the space to have the moisture removed from it which in turn cools the air and then reheats it by a second coil to enable preset selected conditions to be maintained. The University only has three of these devices on campus and as it can be imagined the cost compared to a standard heat pump is very much greater

A dehumidifier is like a heat pump with no reversing valve, but has the two coils in the same air flow and allows the air in to be conditioned in the space much as the process cooler however it can't achieve temperature control but overall produces a slight increase in temperature and maintains humidity to a preset level if correctly sized for purpose.

Robin Dunmall, May 2008

Shar meets one of Ruud Kleinpaste's (the bug man) friends – look out for her pet Weta (seen here sitting on her wrist)!!



There's been a bit of fun over the past few weeks with our annual Super 14 competition and also the Step Challenge competition. Both have now finished.

Super 14: 44 people were entered this year. First three placings (highest points) went to:

- 1st Alistair Gunn with 150 points
- 2nd Ros Rees-Gibbs with 146 points
- 3rd Three people got 142 points so this was shared between John Badham, Kenny Kuunders, Nola Dicks

Step Challenge: Two teams from FMD entered this year – The "Raining Champs" (team leader Neil Hindman with Phil Whyte, Pieter Koers, Paul Blair, Kenny Kuunders, Trevor Harris) and "Foot Movement Dynamos (FMD)" (team leader Faye Kett with Shar Temara, Judy Swetman, Karleen Smith, Terri van Jaarsveld, Donna Woodcock).

Results in brief: The Raining Champs were 1st again (you can rest now Phil), and the Foot Movement Dynamo's were 4th for overall team steps.

Individual with most steps: Once again Phil Whyte.

One of the categories was *Most Consistent Steppers* – 8 staff from FMD featured on the top 25 list: Phil Whyte 1st, Shar Temara 6th, Kenny Kuunders 8th, Judy Swetman 10th, Sheryl Stobbs 12th, Pieter Koers 14th, Neil Hindman 15th, Faye Kett 25th.

How about a team from each section next time??

Teamwork

Learn from Old Warwick - (Excerpted from Change Is Good...You Go First.) By Mac Anderson and Tom Feltenstein

Fostering a spirit of teamwork is critical in times of change. The key element is trust. Trust for the leader and trust for each other.

There is a wonderful story from the play, *Some Folks Feel the Rain; Others Just Get Wet*, that truly captures how people really feel about working together. Here it is --- Enjoy!

A man was lost while driving through the country. As he tried to reach for the map, he accidentally drove off the road into a ditch. Though he wasn't injured, his car was stuck deep in the mud. So the man walked to a nearby farm to ask for help.

"Warwick can get you out of that ditch," said the farmer, pointing to an old mule standing in a field. The man looked at the decrepit old mule and looked at the farmer who just stood there repeating, "Yep, old Warwick can do the job."

The man figured he had nothing to lose. The two men and the mule made their way back to the ditch. The farmer hitched the mule to the car. With a snap of the reins, he shouted,

"Pull, Fred! Pull, Jack! Pull, Ted! Pull, Warwick!"
And the mule pulled that car right out of the ditch.

The man was amazed. He thanked the farmer, patted the mule, and asked, "Why did you call out all of those names before you called Warwick?"

The farmer grinned and said, "Old Warwick is just about blind. As long as he believes he's part of a team, he doesn't mind pulling."

Contributed by Katie Laurence