



Western Suburbs Radio Club Inc.

August 2012 Newsletter

ZL1AC, Branch 03 NZART 3000 Great North Road New Lynn,
PO Box 15-122 New Lynn WAITAKERE 0640

President: Ian Sangster ZL1RCA, Vice President – Grant Manning ZL1GSM.

Secretary: Roy Milam ZL1WI. Newsletter Editor – John Neill ZL1NE

VHF Club Net Wednesday 07:30pm 146.525 MHz,

HF Club Net Fridays 07:30pm 3.650 MHz

Website <http://www.qsl.net/zl1ac>

Club Calendar

Saturday	25 th	August	Committee Meeting – 9:00am
Saturday	25 th	August	Club Meeting 10:00am - Marine Navigation by ZL1JT
Saturday	22 th	September	Committee Meeting – 9:00am
Saturday	22 th	September	Club Meeting 10:00am – Programme to be Confirmed
Saturday	13 th	October	WSRC Used Equipment Sale
Saturday	27 th	October	Committee Meeting – 9:00am
Saturday	27 th	October	Club Meeting 10am
Saturday	24 th	November	Committee Meeting – 9:00am
Saturday	24 th	November	Club Meeting 10:00am – Programme to be Confirmed
Wednesday	12 th	December	Christmas Dinner at the New Lynn RSA 6:30pm

August Meeting

The August meeting will be a talk by John ZL1JT on Marine Navigation.

July Meeting

The July meeting was a combined meeting with the Radio DX League. This was an occasion to compare notes with others interested in radio. There was a good turnout of club members like ourselves but with a slightly different twist.

Table of International Call Sign Series

On August 3, the ITU updated its [Table of International Call Sign Series](#) to reflect a call sign change for Niue. The island will now have the entire E6 prefix block, that is callsigns from E6A to E6Z. Prior to the change, the island used ZK2. According to the [CIA World Facebook](#), Niue is about 1.5 times the size of Washington, DC, and has a population of almost 1300 people! This new allocation for Niue frees up the ZK2 callsign series for use here by AREC.

73

Vaughan ZL1TGC

Branch 03 Used equipment Sale 13 October 2012

Rosebank Road Primary School 217 Rosebank Rd Avondale. Sellers 0800, buyers 0900 Table spaces are \$10 PRE-PAID or \$15 on the day. Buyer's \$2.00 entry, tea-coffee sausages etc. Contact Roy ZL1WI 09-8149550, John ZL1JT 09-8273538 or branch.03@nzart.org.nz

MURPHY'S OTHER 15 LAWS

1. Light travels faster than sound. This is why some people appear bright until you hear them speak.
2. A fine is a tax for doing wrong. A tax is a fine for doing well.
3. He who laughs last, thinks slowest.
4. A day without sunshine is like, well, night.
5. Change is inevitable, except from a vending machine.
6. Those who live by the sword get shot by those who don't.
7. Nothing is fool proof to a sufficiently talented fool.

8. The 50-50-90 rule: Anytime you have a 50-50 chance of getting something right, there's a 90% probability you'll get it wrong.
9. It is said that if you line up all the cars in the world end-to-end, someone from California would be stupid enough to try to pass them.
10. If the shoe fits, get another one just like it.
11. The things that come to those who wait, may be the things left by those who got there first.
12. Give a man a fish and he will eat for a day. Teach a man to fish and he will sit in a boat all day drinking beer.
13. Flashlight: A case for holding dead batteries.
14. God gave you toes as a device for finding furniture in the dark.
15. When you go into court, you are putting yourself in the hands of twelve people, who weren't smart enough to get out of jury duty.

Club Nets

VHF Net 146.525 MHz 7:30pm every Wednesday, HF Net 3650 KHz +/- QRM/QRN 7:30pm every Friday. All are welcome to check in on the nets. The full HF Net Roster can be found on <http://www.qsl.net/zl1ac/wsrc-hf-roster.html>

24-Aug-12	ZL1ACZ	Barry
31-Aug-12	ZL1WI	Roy
7-Sep-12	ZL1NE	John
14-Sep-12	ZL1RCA	Ian
21-Sep-12	ZL1MW	Brian
28-Sep-12	ZL1ACZ	Barry
5-Oct-12	ZL1WI	Roy
12-Oct-12	ZL1NE	John
19-Oct-12	ZL1RCA	Ian
26-Oct-12	ZL1MW	Brian
2-Nov-12	ZL1ACZ	Barry
9-Nov-12	ZL1WI	Roy
16-Nov-12	ZL1NE	John

AREC

There was a section leaders meeting at Branch 66 last week. This meeting was addressed by Janice Miller who is the Manager Logistics and Administration with Auckland Council Civil Defence Emergency Management. Janice gave an update on the reorganisation of Civil Defence following the amalgamation of the seven Auckland region councils. She talked on the valuable role of Radio Amateurs in providing communications assistance.

Brian ZL1MW Retires from Volunteer Civil Defence Duties

On the 25th July Brian ZL1MW retired from Civil Defence. Brian has assisted with radio checks for the last eleven years at the Elcoat Avenue Civil Defence Headquarters. This service has been well appreciated by the Civil defence organisation at Council and the mark the occasion Brian was presented with a Plaque by Dave Neil, North West Area Civil Defence Manager. Pictured below is Brian with the Plaque that was presented. During this time Brian was assisted by Bob ZL1GD.



The Plaque Presented to Brian by Dave Neil.

This radio checking task is being continued by Grant ZL1GSM and Ian ZL1RCA. There is discussion by Civil Defence on closing the Elcoat Avenue facility; however the Club will continue the service as long as we are needed.

Wanted Missing Capacitance Spokes Diamond CP6 Vertical Antenna

For those who attended the Franklin Junk Sale last month I am trying to track down the missing spokes that should come with this antenna. Please can you take a look in the boxes you may still have not sorted out yet? I bought the Diamond CP6 Antenna. Unfortunately the capacitance spokes had fallen out of the box and was put into another box. The missing parts are 8 rods about 13 to 20 inches long with nuts on one end along with 2 rings which may still have 1 of the rods attached on each ring. If you do have these in your possession please can you contact me by phone or email z1rjs@nzart.org.nz or Mobile 021 1000 763 or Home (09) 296 1152.

Thanks 73 Rob ZL1RJS

Shuttles Come Nose-to-Nose

NASA's space shuttles Endeavour and Atlantis switched locations today at Kennedy Space Center in Florida, and in the process came "nose-to-nose" for the last time in front of Orbiter Processing Facility 3.

Endeavour was moved from Orbiter Processing Facility 2 to the Vehicle Assembly Building where it will be housed temporarily until its targeted departure from Kennedy atop the Shuttle Carrier Aircraft in mid-September. After a stop at the Los Angeles International Airport, Endeavour will move in mid-October to the California Science Center for permanent public display.

Now in the processing facility after leaving the Vehicle Assembly Building, shuttle Atlantis will undergo preparations for its move to the Kennedy Space Center Visitor Complex in November, with a grand opening planned for July 2013.

Image credit: NASA



Green Rocket Propellant Headquarters, Washington David E. Steitz

Aug. 15, 2012 RELEASE : 12-281 NASA Goes Green: NASA Selects Green Propellant Technology Demonstration Mission WASHINGTON -- NASA has selected a team led by Ball Aerospace & Technologies Corporation of Boulder, Colo., for a technology demonstration of a high performance "green" propellant alternative to the highly toxic fuel hydrazine. With this award, NASA opens a new era of innovative and non-toxic green fuels that are less harmful to our environment, have fewer operational hazards, and decrease the complexity and cost of launch processing.

Today's use of hydrazine fuel for rockets, satellites and spacecraft is pervasive. Hydrazine is an efficient propellant and can be stored for long periods of time, but it also is highly corrosive and toxic. NASA is seeking new, non-toxic high performance green propellants that could be safely and widely used by rocketeers, ranging from government to industry and academia. Green propellants include liquid, solid, mono- propellant, which use one fuel source, or bi-propellants, which use two, and hybrids that offer safer handling conditions and lower environmental impact than current fuels.

"High performance green propellant has the potential to revolutionize how we travel to, from and in space," said Michael Gazarik, director of NASA's Space Technology Program at NASA Headquarters in Washington. "An effective green rocket fuel would dramatically reduce the cost and time for preparing and launching space missions while decreasing pollution and harm to our environment."

Following a solicitation and peer-review selection process, NASA chose the Green Propellant Infusion Mission proposal and a team lead by Ball and co-investigators from the Aerojet Corporation in Redmond, Washington, the U.S. Air Force Research Laboratory at the Wright Patterson Air Force Base in Ohio, the U.S. Air Force Space and Missile Systems Center at the Kirkland Air Force Base in New Mexico, NASA's Glenn Research Center in Cleveland and NASA's Kennedy Space Center in Florida for the new mission.

NASA's Green Propellant Infusion Mission is expected to be developed and flown in approximately three years. The Space Technology Program will provide \$45 million for the mission, with some additional cost-sharing by mission co-investigators.

This demonstration will bridge the gap between technology development and use of green propellant. The team will develop and fly a high performance green propellant, demonstrating and characterizing in space the functionality of the integrated propulsion system. Such a demonstration will provide the aerospace community with a new system-level capability for future missions.

Maturing a space technology, such as a revolutionary green propellant, to mission readiness through relevant environment testing and demonstration is a significant challenge from a cost, schedule and risk perspective. NASA's Technology Demonstration Missions Program performs this function, bridging the gap between laboratory confirmation of a technology and its initial use on an operational mission.

The Technology Demonstration Missions Program is part of the Space Technology Program, which is innovating, developing, testing and flying hardware for use in NASA's future science and exploration missions.

For more information about NASA's Space Technology Program and Technology Demonstration Missions, visit:
<http://www.nasa.gov/oct>

Committee Meeting 28 July 2012 – Summary of Minutes

Present – Were ZL1RCA, ZL1WI, ZL1GSM, ZL1ACZ, ZL1TCZ, ZL1JT, ZL1MW.

Apologies – ZL1NE

Finance – Finance report presented.

General Business

ZL1RED's antenna has been removed from the Club Grounds.

Silent Keys – Avery Jeffries, ZL1AJI, Jack Hobson ZL1CUC, and Malcolm Brown ZL1AZ

Equipment Sale – This has been confirmed for Saturday 13th October 2012. ZL1JT has been asked to book the Rosebank School Hall for us.

REG. Equipment Sale – a flyer for this event has been received. ZL1GSM suggested that we had out a flyer at this sale for our event.

Civil Defence – ZL1GSM informed the meeting that after 11 years of assisting with Civil Defence Communications, Brian ZL1MW has retired. During that time Brian has spent a couple of hours most Wednesday mornings at Elcoat Avenue Civil Defence, checking and using radio equipment. For a lot of this time he was assisted by Bob ZL1GD. Our thanks to both of you for your efforts. Their places have been taken by ZL1GSM and ZL1RCA.