



Western Suburbs Radio Club Inc.

July 2006 Newsletter

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

President: Andrew Barnett ZL2ALW, Secretary: Ross Reddell ZL1VRR

Newsletter Editor – John Neill ZL1NE

VHF Club Net Wednesday 07:30pm 146.525 MHz, HF Club Net Fridays 07:30pm 3.623 MHz

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

Club Calendar

Monday	10 th	July	Club Meeting See Below for Details
Saturday	29 th	July	Waitakere Phone Sprint - 10pm to 11pm
Saturday	5 th	August	Waitakere CW Sprint - 10pm to 11pm
Monday	30 th	October	AREC Meeting at 7:30pm

July Club Meeting

We are to have Merv ZL1SK explain what is required to set up and run our ATV Television Studio down at the WSRC club rooms on Monday 10th July 1930hrs.

Waitakere Sprint 2006

The Waitakere Phone will be on Saturday the 29th July 10-00 to 11-00 UTC and the CW sprint will be the following weekend August 5th 1000 to 1100 UTC. See the web site for Information is <<http://www.qsl.net/zl1ac/wsrc-sprint.html>> The Rules are also attached at the end of this newsletter. Logs are to be returned, no later than September 1st to either web address watakeresprint@yahoo.com or Post to **WSRC(inc) P.O. Box 15-122 New Lynn Auckland 1007 New Zealand**. The Logs are to be submitted in plain text only, nothing else will be accepted and will be rejected. Logs arriving later than the 1st September 2006 will not be counted. Results will be available by the 2nd week of September 2006. Certificates will be posted out to the winners of each section.

Newsletter by Email

I have only received a small response so far from Club Members wishing to receive the Newsletter by email. If you would like to receive the club newsletter by email then please send an email to john.neill@clear.net.nz and I will add you to the list. There is a considerable cost saving to the club by emailing the newsletter and this will help the committee to keep the cost of your annual subscription as low as possible.

Club Nets

VHF Net 146.525 MHz 7:30pm every Wednesday, HF Net 3623 KHz +/- QRM/QRN 7:30pm every Friday. All are welcome to check in on the nets. The HF Net Roster can be found on <http://www.qsl.net/zl1ac/wsrc-hf-roster.html>.

7-Jul-06	ZL1VRR	Ross
14-Jul-06	ZL1MW	Brian
21-Jul-06	ZL1JL	John
28-Jul-06	ZL1NE	John
4-Aug-06	ZL1ACZ	Barry
11-Aug-06	ZL1WI	Roy
18-Aug-06	ZL1VRR	Ross
25-Aug-06	ZL1MW	Brian
1-Sep-06	ZL1JL	John

Club Fees

These are now due. The fees are the same as last year at \$25.00 per member and special rates for families. Fees may be paid to the treasurer at any club night or by post to **PO Box 15-122, New Lynn.**

AREC Activity

There is a very interesting series running on TV1 at the moment on Search and Rescue. The programme can be viewed on Mondays at 8:30pm.

What a Great Winter



A few pictures from the June cold snap.

Radio Communication

Radio Communication is carried on by Radio Frequency energy radiating from a Transmitter to a Receiver in the form of Radio Waves that travel with the speed of light. The waves consist of electromagnetic and electrostatic fields at right angles to each other and at right angles to the direction of travel. When an electrostatic field of the wave is horizontal, the wave is said to be horizontally polarised. When that field is vertical, the wave is said to be vertically polarised.

The main characteristics of a radio wave are the Frequency (or Wavelength) and the intensity (or Field Strength). The frequency is the complete number of cycles of oscillations that the transmitter radiates per second and is measured in Hertz. The wavelength is the distance in space occupied by one complete cycle of oscillations and is measured in Metres.

The wavelength in metres and the frequency in hertz per second are related by the equation: Wavelength equals velocity of light in metres per second, over, Frequency in cycles per second. The velocity of light is 3×10^8 , or 300,000 metres per second. Therefore Wavelength equals 300,000, over frequency.

The frequency of radio waves is normally expressed in Kilohertz per second and is abbreviated to Khz, or in Megahertz per second and is abbreviated to Mhz. 1,000 Hz per second equals 1 Kilocycle per second, or 1 Khz. 1,000,000 Hz per second equals 1 Megahertz per second, or 1 Mhz. From the equation above, it can be seen that a low frequency wave has a long wavelength and that a high frequency wave has a short wavelength.

Radio Waves differ from other electromagnetic waves such as light, xrays etc, only in frequency (or wavelength).

The above was downloaded from Packet Radio.

WAITAKERE SPRINTS - Rules

The Western Suburbs Radio Club is pleased to announce that the Waitakere Phone Sprint will be held on the last Saturday in July and the CW Sprint will be on the first Saturday in August. The contests are of one-hour duration on 80m, and are open to all licensed amateurs in ZL, VK and Oceania call areas.

Object of the Sprints

The operator's basic goal in the sprints is to make as many contacts as possible, without duplication, during an hour of operation on a single band. Any contact with ZL, VK or Oceania stations on 80 during the contest period can be counted, but a station may be claimed only once.

Eligibility

The Waitakere Sprints are open to all licensed amateurs anywhere in the ZL, VK and Oceania call areas. SWL logs will also be welcome.

Contest Periods

Phone 1000 to 1100 UTC, on last Saturday in July
CW 1000 to 1100 UTC, on 1st Saturday in August

Frequencies

Phone: 3.550 to 3.700 may be used.
CW: 3.500 to 3.550 may be used.

Power

In fairness and consideration to others we request that NO LINEAR AMPLIFIERS be used in the contest.

Contest call

CQ Sprint, CQ Test or CQ Contest.

Exchanges

Minimum exchange for a valid contact will consist of a serial number, sent and received. The serial numbers must start at 001 and increment by one for each contact made. Note :- Time and signal reports are not required.

Awards

Certificates will be awarded to the overall winner and to the best score in each ZL call area and to the best three scores from VK/Oceania. Other certificates may be awarded at the discretion of WSRC.

Special Award

To encourage contestants to enter both Sprints we have decided to issue a Special Certificate to the entrant with the Highest combined score. The method of calculation will be :-(Phone points + CW Points) x 2. All logs received will be considered for this award. To qualify for the multiplied points each log must contain a minimum number of valid contacts. ie. Ten (10) for Phone, and Five (5) for CW.

Logs

A separate log must be submitted for each Sprint and must be clearly marked PHONE or CW. Contest logs must show for each contact:- Callsign of station worked, serial number sent, serial number received. SWL logs must show both Callsigns in the QSO also both serial numbers. **Logs may no longer be sent by Packet Radio.**

Logs are to be in the hands of the WSRC by 1 September.

Postal address:

Branch 03 NZART (Inc) ZL1AC
PO Box 15-122
New Lynn
Auckland 1007
New Zealand.

Email is the preferred method of log receipt. A Plain text file named (yourcall.txt) with a tab or space between each column.

email waitakeresprint@yahoo.com.au

Please respect the file format, with many files received in the past in excel/word/text/pdf of various versions, it has been difficult to open all these files and keep track of them, and with many people calling the files Waitakere Sprint, it can be confusing and easy to lose a log in the confusion.

Closing Date For Logs No later than 1st September.

Operator Information.

Each log must show the following details.

Mode
Callsign
Name
Address
Operating area (Eg. ZL1,ZL2,VK, Oceania)
Total Number of contacts claimed

A declaration that the operator has abided by the rules and spirit of the contest.

Any entry which is clearly in violation of the rules or spirit of this contest or which contains an excessive number of duplicate contacts (this does not refer to duplicates which have been indicated as such and are not claimed) may be disqualified. The decision of WSRC Inc. In respect of interpretation of these rules, the granting of awards and disqualifications will be final and no correspondence will be entered into.

Andrew Barnett ZL2ALW President WSRC

Ross Reddell ZL1VRR Committee for Sprint