



HQ Infoline
A Service From
New Zealand Association of
Radio Transmitters



NZART Headquarters Infoline Issue 215
19-SEPTEMBER-2010
NZART Website: <http://www.nzart.org.nz/>

Greetings

Welcome to Headquarters-Infoline a twice-monthly bulletin of news from NZART Headquarters e-mailed directly to Branches, the amateur radio packet Bulletin Board Service and to others that subscribe through the [LINK BELOW](#) or the NZART Website at:
<http://www.nzart.org.nz/lists/infolinelist.html>

Past and present Infolines can be found at:
<http://www.nzart.org.nz/infoline/index.html>

Where HTML, PDF and DOC formats can be found for the 2010 e-mailed Issues of Infoline.

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From The Business Manager ZL2TDM

Debby Says...

Call For Council and Presidential Nominations

In the next issue of Break In, the Returning Officer Evan Sayer has called for nominations for Council and Presidential elections. If your branch has someone who you feel would and could represent not only your local branch, but the region on Council, please send your nominations addressed to the "Returning Officer" before the end of December.

Nomination forms can be obtained from me here at HQ.

No Subscription Rebates After 30 November 2010

A reminder that subscription rebates are \$15 and in order to be eligible for this rebate you must pay on or before 30 November 2010.

Talk soon...Debby ZL2TDM

AREC Report From CHRISTCHURCH & NORTH CANTERBURY SECTIONS OF AREC

Christchurch Earthquake 4-SEPT-2010 @ 4.36AM

Updated Saturday 11th September 2010

A substantial earthquake struck Christchurch in the early hours of Saturday, after the initial shock (7.1) as to what had happened AREC operators came on the air to establish communications firstly amongst themselves just to see who had suffered what.

Their first port of call was the immediate needs of ones family to make sure that all was secure and OK, neighbours met neighbours for the first time in many cases, being dark and without power one could not see the extent of the damage.

AREC Base Stations came on the air to monitor nominated frequencies then called in check-in stations. Our local VHF repeaters were on reduced output power as they were on back-up power systems, the audible beep on the tail of the main Christchurch repeater let operators know what its status was, operators were advised of only essential use of the system to conserve battery life.

Communication Systems Operating

Christchurch City Civil Defence permanent radio communication systems were unaffected even though the CDHQ was in the process of being relocated from the old premises to the new City Councils building, this was established in the alternative CDHQ in the Art Gallery.

Early on no Area HQ's or Service Centres were activated, as existing communication systems were available. Later on one or two were activated for a short time for Refuge centres. At no stage were any requests for technical assistance.

Many of the FM/AM broadcast stations went off the air for various time periods then came back on with all the usual DJ hype.

After the initial shock both the standard telephone and cellular systems became overloaded but after pleas from the media people soon realized what they were doing, most of these networks stayed intact and operational on back up power despite several cellular towers leaning.

Credit must go to the high engineering standard of these systems.

Communication Systems used by AREC

All local VHF repeaters remained fully operational,

CHCH 705, Mt Herbert 725, Mt Grey 675 used for chit chat, Cass Peak 5625

UHF National System although the Christchurch port was turned off to conserve battery life

VHF Simplex 146.475 146.575 for local chit chat

HF 3900 5320/5395 7100 USB Monitored.

Christchurch AREC Comms vehicle (ZK9EAC Civilian Bus) all the above. Used in the Recovery Phase in conjunction with the Military for 3days.

Christchurch AREC Comms vehicle (ZK9EAD Diahatsu)

SAR VHF Handhelds (ES Band simplex)

The North Canterbury Section were involved with CDEM Comms since the quake last Saturday by providing operators at Waimak EOC (Rangiora), Kaiapoi Welfare Centre (Initially at Kaiapoi North School now at the Kaiapoi Rugby Football Club), Pines-Kairaki Welfare Centre (Pines Beach hall). They have been rested over the weekend, except that two operators have set up an extra base at the Kaiapoi Community Centre for the NZ Army. Everyone will be back on duty Monday. To Date they have completed over 235 duty hours a total of 11 operators involved.

The North Canty AREC Section has the township of Kaipoi in its area which was badly hit also Communications here are on established permanent radio networks for Civil defence.

Just a few statistics from Sat 4th to Sat 11th there have been 388 seismic shocks recorded ranging from 3.0 to 5.4. Sat 4th 93 Sun 5th 98 Mon 6th 80 Tue 7th 47 Wed 8th 40 Thurs 9th 19 Fri 10th 11

Aftershocks are still being felt throughout Canterbury on an hourly basis and it is wearying to say the least

North Canterbury AREC Operators

Colin ZL3COL, Rob ZL3RO, Don ZL3DMC, Tony ZL3HAM, Denise ZL3HI, Bev ZL3OV, Barrie ZL3UC, David ZL3AI and Geoff ZL3QR.

Plus ever forgiving XYL's

CHCH AREC Operators

Dudley ZL3GG Section Leader, Jeni ZL3TCG, Barry ZL3ACU, Barry ZL3TNQ, Jeremy ZL3RT, Gareth ZL3VP Area Manager, Geoff ZL3PX, Alan ZL3GX, David ZL2IC, Richard ZL4FZ, Steve ZL2UCX, Rob ZL3RX and Greg ZL3IX.

Plus ever forgiving XYL,s If I have missed someones name please let me know

Acknowledgements

To our Families,

To AREC Management,

NZART and

To all those who have offered assistance and support in any way

THANKYOU

Geoff Chapman ZL3PX ZK6EXA

Assistant National Director AREC NZ

Christchurch

Get on the Optical Bus

IBM's light-powered links overcome the greatest speed bump in supercomputing: interconnect bandwidth

Sad but true: About three-quarters of the time, your computer processor is doing nothing more than waiting for data—the cybernetic equivalent of twiddling one's thumbs. It doesn't matter whether you've got the latest processor, surrounded it with high-speed RAM, or lovingly hot-rodged your system with the latest in liquid cooling. Your speed is primarily set not by the processing power you have but by the connections that stand between that processor and the data it needs.

The problem is that data transfer is accomplished by the movement of an electronic signal along old-fashioned copper wires—the same basic phenomenon that a century and a half ago carried news of the U.S. Civil War over telegraph lines. It's time we saw the light—literally—and stopped shackling ourselves to electrons moving along copper conductors....

Please see links below for full article:

<http://tinyurl.com/2djb296>

<http://preview.tinyurl.com/2djb296>

73 de ZL1GWE John, NZART IARU Monitoring Service Coordinator

More HF Sprint Contests After Requests From Participants

Following the running of another successful Waitakere Sprint contests some participants have requested additional sprint contests be held during the year. Papakura Radio Club who have organised the Waitakere Sprint for the past three years are adding the following Sprint Contests to the Contest Calendar. November will be the Papakura Sprint, February the Summer Sprint and in May the Tasman Sprint series so the calendar will look like this.

Name Waitakere Sprint Contests

Phone Last Saturday night in July

CW First Saturday night in August

Name Papakura Sprint Contests

Phone First Saturday night in November

CW Second Saturday night in November

Name Summer Sprint Contests

Phone First Saturday night in February

CW Second Saturday night in February

Name Tasman Sprint Contests

Phone Second Saturday night in May

CW Third Saturday night in May

All sprints will run under the same rules and are open to all Australian, New Zealand and Pacific Island stations.

Operators are to record as many contacts as possible from within the total group of participating stations.

Each sprint is just one hour duration 9.00 – 10.00 UTC

One category... no weighting or juggling... the high score wins.

Certificates issued to top 6 places.

The results will also be sorted into callsign prefix areas of operating for area comparison showing highest VK1,2,3,4,5,6,7,8 and ZL1,2,3,4 etc.

Full rules will be provided for each Sprint and be added to the Papakura Radio Clubs web site... search 'ZL1VK'.

If you would like notice of a forthcoming sprint emailed to yourself, send an email to prc@ihug.co.nz with 'sprints' in the subject line.

David ZL1DK

Online Radio Course From DoC (Department of Conservation)

This course is not a detailed technical course but an excellent introduction to the practical use of radio equipment used in communication.

The course relates to the frequencies and equipment used by DoC.

A person, after studying the courses, would be well versed in the practical use of radio equipment.

The course is made up of four modules:

- * Module 1 - describes the principles of VHF radio
- * Module 2 - covers the use of handheld radios
- * Module 3 - explains how to use mobile and base radios
- * Module 4 - describes how to set up portable repeater units.

The course is designed for people who use DOC's radio network, including: DOC staff, Volunteers, Members of community groups and contractors.

This course is free and online at:

<http://tinyurl.com/29xnb3e>

Extractions from the course would be valuable for people taking amateur radio classes.

Jamie Pye ZL2NN

Results of the 2010 Waitakere Sprints. Also at:

<http://tinyurl.com/2cvhuu4>

The following are results for the 2010 Waitakere Sprints series.

Phone			CW		
VK4ZD	48	1st VK	ZL1ALZ	26	1st ZL1
VK4QS	47	2nd VK	VK4SN	26	1st VK
VK4SN	45	3rd VK	VK3IO	26	2nd VK
VK2ACD	44		ZL1AJY	25	
VK4VW	43		ZL2AGY	24	1st ZL2
VK3IO	42		ZL2AUA/ZL1	22	
ZL1FAV	40	1st ZL1	ZL2JU	21	
VK4GH	39		VK7GN	21	3rd VK
ZL1AJY	39		ZL1VD/ZL2	20	
ZL1ALZ	39		ZL4IG	19	1st ZL4
ZL1BYZ	39		ZL1DK	19	
ZL1DK	39		ZL2BIT	18	
ZL1SWW	39		ZL2AOH	17	
VK3BTV	32		ZL4IM	14	
ZL4RMF	31	1st ZL4	ZL1BYZ	14	
ZL1REY	30		VK8AV	14	
VK7JGD	27		VK3OZ	12	
ZL1VD/ZL2	24	1st ZL2	ZL4KJ	9	
ZL4IG	24		ZL1FAV	9	
VK4ATH	23		VK2PN	6	
ZL3GL	23	1st ZL3			
ZL4IM	23				
VK3ZPF	21				
ZL1SK	21				
ZL1VRR	20				
ZL2BIT	20				
ZL1AKY	19				
VK2VVV	17				
ZL4KJ	15				
ZL1ALK	14				
ZL1IJ	14				
ZL1AOX	12				
VK3DYL	10				

Thanks to all who participated in this year's Waitakere Sprint series.

Some logs listed were sent in as Check Logs but I like to acknowledge all participants and have included all logs received, one from an operator who was entertaining guests but managed to

sneak out and give some numbers.

These are all appreciated and add to the fun for the rest of us.

David ZL1DK

Frequencies From The Doug Gorman Memorial Frequency Measuring Contest

Here are the five frequencies for the NZART Doug Gorman Memorial Frequency Measuring Contest.

Calibration Frequency: 3895.000000 kHz

Frequency 1: 3899.942011 kHz

Frequency 2: 3890.100100 kHz

Frequency 3: 3897.099785 kHz

Frequency 4: 3893.599292 kHz

Frequency 5: 3894.351144 kHz

There is still some more work to do before provisional results for competitors can be published. Stay 'tuned'.

John ZL4JY

Shifting the decimal point from the values given above we get:

3899942.011 Hz or 3899942011 mHz

3890100.100 Hz or 3890100100 mHz

3897099.785 Hz or 3897099785 mHz

3893599.292 Hz or 3893599292 mHz

3894351.144 Hz or 3894351144 mHz

where mHz is millihertz. Yes the frequencies are given to one-thousand-part of a hertz.(ED)

A Reminder of NZART Names and Lists

<name><at>nzart<dot>org<dot>nz

Names are:

6M, ADVERTMANAGER, ALO, AREC, ARPROMO, AWARDS, BREAK-IN, BREAKIN, CALLBOOK, CALLSIGNS, CONTEST, DIGITAL, EDITOR, EMAIL, EMC, EXAM, EXAMS, FMTAG, HAMADS, HQ, IARU, INFOLINEEDITOR, LEGAL, MORSE, MORSEMAN, MS, MS2 , NZART, NZART.HQ, NZARTHQ, OFFICERLIAISON, POSTMASTER, PROMO, QANDA, RADIATION, RECIPROCAL, TRUST and WEBMASTER.

<name><at>lists<dot>nzart<dot>org<dot>nz

Please note the addition of the word *LISTS* after the *AT*

Lists are:

COUNCIL, COUNCILPLUSHQ and OFFICERS

Did You Know That Exam Candidates Can Join NZART and Get One Year Free Membership?

For details see the last section of the Radio 4A Form at:

Upcoming Events

Western Suburbs RC NZART Branch 03 Used Equipment Sale

Western Suburbs RC NZART Branch 03 Used Equipment Sale
will be 9th October 2010 at the
Rosebank Rd Primary School
217 Rosebank Rd
Avondale Auckland.
73 ian zl1rca

2010 Silverfern Rally 14-20 Nov 2010

<http://www.nzart.org.nz/html/2010/02.html#feb03>

New Zealand Amateur Radio Day

Purpose

The purpose of the New Zealand Amateur Radio Day is to promote our hobby to the public so that some may be encouraged to join the local club, take on classes and become amateur radio operators.

Time

From 1000-1200 hours local time annually on the 3rd Saturday of January...

Full information can be found at:

<http://www.nzart.org.nz/html/2010/05-news.html#aug06>

UPPER HUTT NZART Conference 2011 - Pre-registration

Details can be found at:

[Conference-2011-pre-registration-form.pdf](#)

Contest News

VHF/UHF/SHF Contest Notes

The next contest is the MICROWAVE CONTEST, all bands 614 MHz and up, on Saturday the 2 and Sunday the 3 of OCTOBER 2010. The operating times are: Saturday 1700 to 2300 NZT and Sunday 0700 to 1300 NZT.

The rules are available at: <http://www.vhf.org.nz/VHF-UHF-SHF-ContestRules>

Logs should be sent within two weeks, to:

zl2wa@clear.net.nz with Contest Log in the subject line,

or by post to:

Contest Manager, Wellington VHF Group, P.O. Box 12-259, Thorndon, Wellington

Wellington VHF Group Website <http://www.vhf.org.nz>

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HF Contests

VHF/UHF/SHF Contest Microwave Contest 2/3-Oct [To Rules](#) »

Oceania All Bands SSB 02-OCT-2010 [To Rules »](#)

Oceania All Bands CW 09-OCT-2010 [To Rules »](#)

Straight Key Night (First Sunday in November) 07-NOV-2010 [Rules »](#)

Boat Anchor Sprint 13-NOV-2010 [Rules »](#)

VHF/UHF/SHF Contest VHF/UHF/SHF Field Day 04/05-Dec-2010 [To Rules »](#)

Kiwi Digital Modes Group Twin Sprint Contest 04/05-Dec-2010 [To Rules »](#)

Contests 2011

VHF/UHF/SHF Contest DX Weekend 06/07-FEB-2011 [To Rules »](#)

For contests not mentioned here and for a list of contests that have ZL participation in, please see the NZART Web Contest page at:

<http://www.nzart.org.nz/contests/index.html>

General Information For Break-In and HQ Infoline

Break-In - From the Break-In Editor John ZL3IB

- Closing Date Reminder: Copy for the NOVEMBER/DECEMBER issue of Break-In closes on 10-NOVEMBER-2010.
- Document File Format: Please do not send copy for publication as Word 2007.docx files; they cannot be processed. Please send in Word 2003 (or earlier).doc or *.rtf file format.
- Early receipt of copy is much appreciated.
- Break-In Contents Index from 1947 can be found at:
<http://www.nzart.org.nz/breakin/index/index.html>
- To search the COMPLETE CONTENTS from 1947, use the page menu entry of: "Search all index pages up to Jan 2010 HTML 435 kB" Found on the "Index for Break-In Volumes 20 to 82" page. All the yearly pages have been combined into one page for your convenience.
<http://www.nzart.org.nz/breakin/index/all-bi-index.html> 433 kB
Contact Infoline Editor, if copy of articles are wanted, at:
ZL2NN@nzart.org.nz
- Copy for the AREC Break-In Column - From Geoff ZL3QR: The close-of-copy date is the 03-NOVEMBER-2010 for articles for publication in the AREC COLUMN OF BREAK-IN. Photos, if available, to be on a separate floppy or CD (with captions), posted DIRECTLY TO US Call Book address. All other material can go to e-mail: zl3qr@nzart.org.nz or zl3ov@nzart.org.nz.

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The WIA Weekly News Bulletin and The ARRL Letter can be found at:

WIA Weekly News Bulletin:

<http://www.nzart.org.nz/html/2010/wia-weekly-news.html>

ARRL Letter:

<http://www.nzart.org.nz/html/2010/arrl-weekly-news.html>

These are updated weekly, normally p.m. Friday.

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Please go to web at:

<http://www.nzart.org.nz/lists/infolinelist.html>

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Dates for Official Broadcast (OB) and Head Quarter's Infoline

OBs FOR 2010

28-FEB 28-MAR 25-APR 30-MAY 06-JUN 27-JUN

25-JUL 29-AUG 26-SEP 31-OCT 28-NOV 19-DEC

Next NZART Official Broadcast is on 26-SEPTEMBER-2010

Next HQ-Infoline e-mailed on SUNDAY 03-OCTOBER-2010

INFOLINE 2010 SUNDAY

17-JAN 07-FEB 21-FEB 07-MAR 21-MAR 04-APR 18-APR 09-MAY 23-MAY

13-JUN 27-JUN 04-JUL 18-JUL 08-AUG 22-AUG 05-SEP 19-SEP

03-OCT 17-OCT 07-NOV 21-NOV 05-DEC 19-DEC

Infoline on the web <http://www.nzart.org.nz/infoline/>

Regards, Jamie Pye ZL2NN, Editor zl2nn@nzart.org.nz