



HQ Infoline
A Service From
New Zealand Association of
Radio Transmitters



NZART Headquarters Infoline Issue 225
06-MARCH-2011
NZART Website: <http://www.nzart.org.nz/home/>

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Message from Break-In Editor

"The Break-In Editor John Walker ZL31B has advised that he is assuming Break-In will be published as usual although it maybe slightly late. He would be grateful if columnists and others could get their copy to him no later than the usual deadline which is 10th March."

From The Business Manager ZL2DL

Debby says...

Election results, will be advised to all candidates by the Returning Officer on at approximately 6pm on Monday 21st after which they will be placed on the NZART official web site.

Remits will be published in the March/April Break In. For those branches who have made their remits known to other members, when considering the remits, please remember that the number that you may be discussing will not be the Remit number that is assigned in Break In.

There are 13 remits in total, therefore I have had to renumber them in consequential order.

It's now time for all branches to be considering recipients of awards:

Amateur of the year, Young Amateur of the Year, and Arthur Godfrey Memorial Award.

Criteria for these awards are attached to this issue of HQ Info-line. Nominees names must be received here at HQ before 1 May 2011.

Talk soon...Debby ZL2DL

FMTAG Notes For March 2011 HQ Infoline 225

Please click [HERE](#) to go to the FMTAG Applications Being Processed

Proposals

Published in HQ Infoline and on the NZART website, inviting comments from members.

1. **Branch 74 Wellington VHF** has applied to relocate its 2 metre Bulletin Board to Ngaio Reservoir, Topo50 map reference BQ31 494.92 316.02. An Engineering Evaluation, in accordance with the MED's Radio Licence Certification Rules (PIB38), shows that the transmit frequency can remain on 146.025 MHz and the receive frequency can remain on 146.625 MHz, and that there will be no interference to other stations.
2. **Branch 74 Wellington VHF** has applied to relocate its 70 centimetre Bulletin Board to Ngaio Reservoir, Topo50 map reference BQ31 494.92 316.02. An Engineering Evaluation, in accordance with the MED's Radio Licence Certification Rules (PIB38), shows that the transmit frequency can remain on 434.875 MHz and the receive frequency can remain on 439.875 MHz, and that there will be no interference to other stations.
3. **Branch 74 Wellington VHF** has applied to change the frequency of the 70 centimetre repeater located at Ngaio Reservoir, Topo50 map reference BQ31 494.92 316.02. The transmit frequency will be 434.550 MHz and the receive frequency will be 439.550 MHz. An Engineering Evaluation, in accordance with the MED's Radio Licence Certification Rules (PIB38), shows that there will be no interference to other stations.

Final Recommendations To NZART Council

None this month.

Comments and Applications

Please send your comments and suggestions on the above matters and recommendations, and on any other FMTAG matters, by e-mail to: fmtag@nzart.org.nz

Applications for repeaters, beacons, digipeaters, point-to-point links, and so on, should be made on the latest version of FMTAG Form 10. The latest versions of FMTAG Form 10, and the explanatory Form 10A, are available on the NZART web site:

<http://www.nzart.org.nz/nzart/fmtag/>

Completed forms should be sent by e-mail to fmtag@nzart.org.nz

END

Christchurch Earthquake 22-February-2011

There has been messages from amateur radio societies and individuals around the world. Please see these on the February news page at:

<http://www.nzart.org.nz/news/2011-news/feb-2011-news/>

Rescue Radio: The Christchurch New Zealand Earthquake Story Continues

Ham radio continues to be an important factor in rescue and recovery efforts in the wake of the earthquake that hit Christchurch, New Zealand, on Tuesday, February 22nd. Jim Meachen, ZL2BHF, is several hundred miles to the North in Auckland with the latest:

ZL4FZ: "At this stage were still extensively supporting the Land SAR operation that's the more major component. Today with 300 searchers in the field we have deployed probably 50 radios to teams of operators and each of those teams has each got its own radios. There are about an actual 250 staff on foot in the field and all of that communications is coming back through AREC"

That's Richard Smart, ZL4FZ, who is head of the Amateur Radio Emergency Communications team explaining the role that his emergency communications group is currently playing in the aftermath of the 6.3 earthquake. A quake that as of airtime is believed responsible for at least 160 deaths and scores of injuries in and around the Christchurch area. According to Smart ham radio was on scene from the time the quake hit and right through the present:

ZL4FZ: "AREC involvement in the Christchurch earthquake has been to support Civil Defence directly with the welfare centers, initially at the temporary welfare center in Hagley Park. (This is) a small tent city where AREC provided effectively a complete communications terminal right through to the extensive support for the Land SAR operation which has been visiting every home in the Western suburb of Christchurch. To date a total of some eighteen thousand homes have been visited by the Land SAR teams and the AREC teams have provided communications for upward of 300 volunteers in the field at any one time."

Smart tells Amateur Radio Newline that it's the ability of hams to quickly adapt and respond to any emergency that makes them valuable in situations such as this. He also says that those in charge of relief efforts are very satisfied with the AREC ham radio operations:

ZL4FZ: "I believe in this case that AREC has managed to provide a solution to unforeseen communications difficulties, and in the case of the Land SAR deployment particularly because it has become a linchpin to allow the operation to work."

"We have been told by the senior management for the Land SAR operation that basically it would not have been possible to achieve what they have achieved which is spectacular in its own right, without the assistance of AREC in that role."

So what role will AREC play as recovery efforts continue? ZL4FZ says that at this moment it's hard to say:

ZL4FZ: "It's very difficult to tell at this stage and the difficulty is that there are a number of significant issues that the city is facing and there are a number of agencies involved, obviously with specializations in different areas. One of the things the Civil Defence emergency management teams are working on is setting the appropriate team for the tasks that they have. And at this stage, while this tasking is drawing nearer to a close, we are waiting word as to what the next tasking may be."

The story of the Christchurch earthquake and the part being played by ham radio in post quake recovery efforts is far from over and we will have more for you in future Amateur Radio Newline reports. From Auckland, on the North Island of New Zealand, I'm Jim Meachen, ZL2BHF, reporting

for the Amateur Radio Newline.

It has to be noted that so far, this has been a VHF only operation. Word from the New Zealand Association of Radio Transmitters is that hams providing communications support in the aftermath of the quake are using only 2 meter FM. No High Frequency communications into and out of the Christchurch area has been found to be necessary.

(ARNewlineT, ZL2BHF, ZL4FZ)

The MP3 version of this text is available on the NZART Web as is a link to Amateur Radio Newline. Please see:

<http://www.nzart.org.nz/h-quarter/broadcasts/>

Proposed Changes to 27 MHz Amateur Band

NZART's submission on this topic can be found at:

<http://www.nzart.org.nz/council/policies/2011-rsm-cb-gul-review/>

VHF Convention

Wellington – Easter 2011

The Wellington VHF Group invites you to attend the VHF Convention to be held in Wellington during Easter, 22nd – 24th April, 2011, at Tawa College in Tawa. Come and enjoy Lonely Planet's 4th top city in the world to visit in 2011 and see for yourself why Wellington is the "Coolest Little Capital in the World".

On this occasion, the Convention is being held in conjunction with the annual Wellington Radio Expo - Wellington Expo-11. The Official Opening will be after lunch on Saturday 23rd April to enable out of towners and locals to fossick through the treasures at the Expo that will be seeking new homes.

VHF Convention offers a great programme for both the newcomer and the experienced Ham, and will include an exciting mix of speakers and events including technical presentations, VHF Forum, ATV, Satellites, Special Interest Groups and a forum for Repeater and Beacon Trustees and National System Trustee.

The nearest motel is Aotea Lodge, near the Police College and there are 6+ other motels in Porirua, none more than 5-10 minutes drive and 3+ in Johnsonville, 4-5 minutes drive from Tawa.

The cost will be \$50 per person attending the Convention - includes afternoon tea on Saturday and morning tea/lunch/afternoon tea on Sunday. Arrangements are being made with a local restaurant for a pay as you go Dinner on Saturday night. Entry to the Wellington Expo-11 costs an additional \$4.00, to be paid at the door.

More details on the programme will be published via Infoline as soon as they are finalised. Registration forms are available on the Wellington VHF Group website <http://www.vhf.org.nz>

Rob Wallace

Secretary

Wellington VHF Group

E-mail: rob@wallace.gen.nz

**Registration Form
VHF CONVENTION – Easter weekend 22-24 April 2011**

Registration		No. of persons	Cost Each	TOTAL Cost
Convention programme	Includes morning tea, lunch and afternoon teas as listed above. (Does NOT include dinner Saturday night).		\$50	\$
	Surname	Name for "Swinger"		Callsign
1				
2				
3				

Please make your cheque payable to: "Wellington VHF Group" and post this form with your payment to:

Convention Secretary, VHF Convention 2011, 8 Thomas Hook St, Tawa, Wellington 5028

An indication of numbers for Dinner on Saturday night would be helpful.

Dinner Saturday night	Approximately \$25 per head payable at the dinner venue. Please indicate if you are interested. Partners are welcome. Changes can be made at time of registration	Indicate # of persons	The venue and payment for dinner will be confirmed at Convention Registration
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Information and Registration Form

<http://www.nzart.org.nz/assets/infoline/2011/vhf-convention.pdf>

Report on Proposed Amateur Allocation Around 500 kHz

From The ITU Conference Preparatory Meeting for WRC-12 Geneva, 14-25 February 2011

I'm pleased to report that Document 175(Rev. 1) was adopted by Plenary this afternoon without meaningful comment or change. See attached. This completes the work of the CPM on Agenda Item 1.23.

Removal of the original Method A came about because there was no administration support for retaining it. Given that, it is just as well that it has been deleted in order to avoid confusion. I believe there is more support now for some form of amateur allocation below 487 kHz than there was at the beginning of the CPM.

Congratulations to all concerned and especially to Ken Pulfer.

Dave Sumner, K1ZZ

Full Report Available on The NZART Web at:

<http://www.nzart.org.nz/assets/pdf/2011/R07-CPM11.pdf-96 kB>

John Lochhead ZL4QS Overseas/IARU Liaison Officer

ITU = International Telecommunication Union
WRC = World Radio Conference
CPM = Conference Preparatory Meeting

Scientists Warn of Solar 'Katrina'

Author: Clive Cookson in Washington
Source: FINANCIAL TIMES - <http://www.ft.com>
Date Published: 20th February 2011

The Sun and its activity plays an important part in amateur radio. What the events, described below, will do with the propagation of our radio waves, we will have to wait and see. It looks serious. EDITOR

Excerpt:

'...The sun is waking up from a long quiet spell. Last week it sent out the strongest flare for four years – and scientists are warning that earth should prepare for an intense electromagnetic storm that, in the worst case, could be a “global Katrina” costing the world economy \$2,000bn.

Senior officials responsible for policy on solar storms – also known as space weather – in the US, UK and Sweden urged more preparedness at the annual meeting of the American Association for the Advancement of Science in Washington.

“We have to take the issue of space weather seriously,” said Sir John Beddington, UK chief scientist. “The sun is coming out of a quiet period, and our vulnerability has increased since the last solar maximum [around 2000].”.....'

To read the complete article see:

<http://www.ft.com/cms/s/0/67444b2c-3d13-11e0-bbff-00144feabdc0.html?ftcamp=rss>

(you must register (free) to see the full article EDITOR)

Regards

73 de ZL1GWE John

Branch Data - The Information on NZART Branches and Affiliates

The format for advising the Call Book Editor about changes to Branch details has been changed to a more efficient CMS based system.

Please use the new form

<http://www.nzart.org.nz/branches/branch-data/branch-list-report-form/>

to advise changes to Branch details.

An update to the Branch list will be done early March and the old system of spreadsheet, Word document and pdf removed.

The new system has a menu 'BRANCH LIST MENU' and a simple database 'BRANCH LIST DATA'. The Branch List menu has a list of all NZART branches in alphabetical and branch number order. Branch List Data has 88 records with each record having 19 fields with the details of each branch.

For those that like their data in Excel format, instructions on how to convert the branch data is at:

<http://www.nzart.org.nz/branches/branch-data/#conversion>

Lorne ZL2AHB Call Book Editor E-mail: callbook@nzart.org.nz

Web Update

Redesign of LINKS on The NZART Web

A complete redesign has taken place from the opening page to the presentation of the links.

The links selection is now in two pages, broken into A to I and L to W. This allows descriptive menu names. The single letter has been removed and has been replaced with a name that relates to the main subject of the link. The name is shown on the opening page in a larger size bold type. Also you can see the other subjects that belong to the particular link with the separator between the names being the spade symbol.

In the level two menu, which is under the main menu, entries of L-W and A-I are found. These allow easy navigation between the two pages of the links section.

Also added is a menu heading of 'Feedback(1)'. Suggestions and notification of broken links can be done with very little effort.

A list of the links are clearly shown when a link page is opened, with the major list being closes to the Page Links menu column.

The Quick Navigation section on the bottom of each page, also shows the Links entries. I fitted it in where I could.

Have a LOOK: 😊 <http://www.nzart.org.nz/links/>

The Open Polytechnic is Using SilverStripe CMS

Just received the March Newsletter from Silverstripe and was surprised to see that the Open Polytechnic has gone live using SilverStripe for their CMS enrolment system. The Open Polytechnic is a distance-learning institute, with 25 000 students. NZART is up with the big boys by using SilverStripe as its CMS!

Jamie Pye ZL2NN

Kiwi Digital Modes Group

2011 VK/ZL RTTY SPRINT CONTEST

The third running of the Kiwi Digital Modes Group RTTY contest will take place in April 2011.

For full rules please see:

<http://www.nzart.org.nz/activities/contest-rules/rules-kdmg/>

NZART Amateur of the Year Award Rules

Presented at NZART Annual Conference

Award to be made to the radio amateur who in the preceding 12 month calendar year (January to December) has given outstanding service to Amateur Radio.

Criteria

1. Nominees must be active in more than one aspect of amateur radio and in these to have shown extraordinary service to their fellow amateurs,
2. The nominee must be a current member of NZART, and
3. The nominee should be unaware of the nominations.

Nominations

1. Nominations to be made to the President of NZART (at current address) to reach the President by May 1st following the year under review,
2. Nominations must be made through the Secretary of a Branch of NZART, and
3. Points of "service rendered" must be tabulated and certified as correct by the Branch Chairman (except that two other officers would be accepted if the circumstances warrant) and these must refer only to the 12 month period under review. Through these, the reason why the nominee should be considered must be clearly evident.

The President will decide on the Award allocation reporting the result to Council immediately prior to the Annual General Meeting. It is possible that in some years no award would be made even though recommendations were received.

NZART The Young Amateur of the Year Award Rules

To Recognise The Young Amateur of the Year

The Award Objectives

Objectives of the Award is for NZART (and a co-sponsor) to demonstrate and encourage interest in promoting technological awareness and education in the field of radio and electronics by involving young people in Amateur Radio and to focus the activities of our younger Amateur Radio operators into achieving excellence in all aspects of the hobby, both individually and within the fellowship that belonging to Amateur Radio brings.

Requirements to obtain The Young Amateur of the Year Award

The criteria for this award is:

1. Nominee to be under 18 years of age at April 1 in the year of presentation,
2. Nominee to have provided demonstrable service to Amateur Radio in any of the following areas of achievement:
3. Assistance with NZART Branch or activity,
4. Development of a significant project (hardware or software) for use in Amateur Radio, and
5. Participation in projects associated with the promotion of Amateur Radio.

The recipient will be presented at NZART Conference with:

1. A suitably endorsed framed certificate presented by NZART (and co-sponsor if applicable),
2. A voucher for \$100 to purchase books of the recipient's choice,
3. One years free subscription to NZART,
4. A presentation from any other Branch/Business/Individual who may wish from time to time, to co-sponsor the Award with NZART, and
5. Payment of half registration to NZART Conference if the recipient attends.
6. If no suitable nominations for the Young Amateur of the Year are received by April 1, no presentation will be made for that year,
7. Nominations for this award should be sent by Branches or individuals along with

- "substantiating evidence", to the General Secretary of NZART by MAY 1st in the year of presentation, and
8. The Young Amateur of the Year will be selected by a sub-committee appointed by Council.

Arthur (Jumbo) Godfrey Award Rules

The purpose of this award is to remember one of New Zealand's most well known radio amateurs, who fully supported NZART Inc and branch level activities, in the belief that strong branches meant a strong national organisation.

As there was/is a gap in this area of recognising branch level activities at a national level, this award has been instituted to not so much reward those who work at this most important level but to acknowledge to the rest of the amateur service the tireless work put in at the grass roots of amateur radio.

The Award is to be made to the radio amateur or non-transmitting branch member who in the opinion of the nominator(s) has given outstanding service to Amateur Radio at a branch level over a period of time that has not been recognized anywhere else.

Criteria

1. Nominees must be active in branch level activities and in these to have shown extraordinary service to their fellow branch members. Points of service rendered need to be presented to ensure that the nominee meets the purpose and vision of the award as outlined in the introduction,
2. The award is for the years prior to the award presentation. e.g. if award year is 2008, the period of time to be considered are those prior to 31 December 2007,
3. There are no limits on the number of nominees, however up to a maximum of three recipients can be awarded in any one year,
4. The nominee must be a current member of NZART,
5. The nominee must be a current member of the nominating branch, and
6. The nominee should be unaware of the nominations.

Nominations

1. Nominations to be made to the General Secretary of NZART (at current address) to reach the office by 1 May following the year(s) under review,
2. Nominations must be made through the Secretary of a Branch of NZART, and
3. Bullet points of "service rendered" must be tabulated and certified as correct by the Branch Chairman (except that two other officers would be accepted if the circumstances warrant) and these must refer to the period under review. Through these, the reason why the nominee should be considered must be clearly evident. In my capacity of General Secretary I will recommend those that meet the criteria of the Award to NZART Council for confirmation immediately prior to the Annual General Meeting. It is possible that in some years no award would be made even though nominations/recommendations were received.

Any branch that feels that they have members who would fit this criteria, please send their nominations to me before 1 December.

Upcoming Events

1. Wellington EXPO-11 & VHF Convention 23-April-2011
<http://www.nzart.org.nz/activities/events/expo-2011/>

2. UPPER HUTT NZART Conference 2011 04/06-June-2011
<http://www.nzart.org.nz/activities/events/2010-upper-hutt-conf/>

Contest News

VHF/UHF/SHF Contest

VHF++ Low Band Contest (1st SAT APR 2nd if Easter) 02/03-APR-2011
[THE VHF CONTEST RULES](http://www.vhf.org.nz/VHF-UHF-SHF-ContestRules) (http://www.vhf.org.nz/VHF-UHF-SHF-ContestRules)

Preliminary Results Of The DX Weekend Contest 5th and 6th February 2011

PLEASE REPORT ALL DISCREPANCIES TO: z12wa@clear.net.nz

Band	Frequency	Callsign	Locator	Points
6 m				
		ZL4DK	RE54fe	384
		ZL1SWW	RF73ir	85
		ZL1HI	RF73qs	35
2 m				
		ZL1SWW	RF73ir	1138
		ZL4DK	RE54fe	1087
		ZL1HI	RF73qs	442
		ZL2UGL	RE78js	106
70 cm				
		ZL4DK	RE54fe	1037
		ZL1SWW	RF73ir	641
		ZL1HI	RF73qs	407
23 cm				
		ZL1SWW	RF73ir	2908
		ZL4DK	RE54fe	830
9 cm				
		ZL1SWW	RF73ir	562
5 cm				
		ZL1SWW	RF73ir	3596
3 cm				
		ZL1SWW	RF73ir	1798
12 mm				
		ZL1SWW	RF73ir	374
TOTAL SCORES				
		ZL1SWW	RF73ir	11102
		ZL4DK	RE54fe	3338
		ZL1HI	RF73qs	884
		ZL2UGL	RE78js	106
BEST DX				
6 m		ZL1SWW	- ZL4LV	1128 km
2 m		ZL1SWW	- ZL3CU	826 km
70 cm		ZL1SWW	- ZL2TAL	380 km
23 cm		ZL1SWW	- ZL2DX	559 km
9 cm		ZL1SWW	- ZL1TPH	104 km
5 cm		ZL1SWW	- ZL2IP	333 km
3 cm		ZL1SWW	- ZL2IP	333 km
12 mm		ZL1SWW	- ZL1TPH	104 km

36 STATIONS ACTIVE

ZL1ACM ZL1ADP ZL1AJY ZL1AKW ZL1BK ZL1BQE ZL1GTB ZL1HI ZL1RDK ZL1SWW ZL1TDU

ZL1TO ZL1TPH ZL1TWR ZL1UET
ZL2DX ZL2FAE ZL2IP ZL2TAL ZL2UGL
ZL3ADC ZL3ADT ZL3CU ZL3LM ZL3MH ZL3NW ZL3OY ZL3PN ZL3PX ZL3THQ ZL3TY
ZL4DK ZL4IS ZL4LV ZL4PLM ZL4PP

EQUIPMENT USED (IF STATED)

6 metres

TS-680 + 60 W + 3-element Yagi

FT-897D 100 W + 6-element Yagi

IC-746 100 W + 3-element Yagi

2 metres

TR-751 + 150 W amplifier + 2 x 9-element Yagi

IC-821H 35 W + 2 x 5-element Yagi

FT-897D 50 W + 7/7 skeleton slot

IC-706MKII + 140 W amplifier + 12-element LP Yagi

70 cm

TR-851 + home brew amplifier + 3.3 metre dish

FT-897D 20 W + 11-element Yagi

TR-9500 + 130 W amplifier + stacked 7-element LP Yagis

23 cm

Home brew 10 W transceiver + 3.3 metre dish

VK5EME + PLL + 18 W + 56-element Yagi stack

9 cm

DXR740 5 W + 20-element patch Remec

5 cm

DXR700-768 5 W + 770 mm prime focus dish

3 cm

DXR700-710 5 W + 600 mm prime focus dish

12 mm

DB6NT mult + harmonic mixer 800 mW + 300 mm dish

THE NEXT CONTEST

The next contest is the Low Band Contest, 50 MHz to 440 MHz, on Saturday the 2nd and Sunday the 3rd of April 2011. The operating times are: Saturday 1700 to 2300 NZDST and Sunday 0700 to 1300 NZST. Note that Daylight Saving ends half way through the contest. NZ Local Time applies on both days of the contest.

The contest after that is the Hibernation Contest, 50 MHz and up, on Saturday the 11th and Sunday the 12th of June 2011. This is the weekend after NZART Conference. The operating times are: Saturday 1700 to 2300 NZST and Sunday 0700 to 1300 NZST.

All contest logs should be sent, to arrive 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

2010 IARU HF World Championships Scores

Letters are:

Fifth Column: Operating category (A=Single Op Mixed Mode, B=Single Op Phone Only, C=Single Op CW Only, D=Multioperator)

Sixth Column: Power for single operator categories (A=QRP, B=Low, C=High)

Zone 60

New Zealand

ZL2MM	2,261	35	19	B	B
ZL4NX (JM1CAX, op)	15,680	100	40	C	B
ZL3IO	1,540	25	20	C	B
ZM2B (ZL2BR, op)	197,736	542	77	C	C
ZL3TE (W3SE, op)	184,280	474	85	C	C
ZM4G (ZL2iFB, op)	349,885	613	127	D	C
ZL2JU (+ ZL2AGY)	216,360	528	90	D	C
ZL1T	78,070	255	74	D	C

Zone 55

Australia

VK4AN	26,158	123	58	A	B
VK4LDX	5,720	58	26	B	B
VK4GH	17,507	105	41	B	C
VK4TT	17,056	98	41	C	B
VK4EMM	357,555	639	121	C	C

See www.arrl.com for full results and what position you got in the contest.

Contest Calendar 2011

Contest Name	Date(s) 2011
RSBG Commonwealth (BERU)	12/13-MAR-2011
VK John Moyle Memorial Field Day (3rd full WE MAR)	19/20-MAR-2011

Please think of the environment before printing this e-mail

Housekeeping

1. Break-In-Closing Date Reminder: Copy for the MARCH/APRIL issue of Break-In-closes on 10-MARCH-2011
2. Copy for Break-In: Copy is welcome in most electronic formats but word.doc files are preferred. Photos and other graphics should be send as separate discrete files (*.jpg preferred); not as embedded pix in the body of the text. Please ensure that suitable descriptive captions/legends are included with your copy.
All received copy will be acknowledged to confirm receipt.

Thank you for your cooperation.

John Walker ZL3IB Editor.

3. Break-In: Early receipt of copy is much appreciated
4. Break-In-AREC Column: The close-of-copy date is the 03-MARCH-2011 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. Use Call Book address. All other material can go to e-mail:
zl3qr@nzart.org.nz or zl3ov@nzart.org.nz
5. [The ARRL and WIA Weekly News](#)
6. [Subscribe TO/FROM Infoline](#)

Next NZART Official Broadcast is on SUNDAY 27-MARCH-2011

Next HQ-Infoline e-mailed on SUNDAY 20-MARCH-2011

Headquarters-Infoline is a twice-monthly bulletin of news from NZART Headquarters. News and items of a general or technical interest are also included. These are obtained from various sources. The bulletins are e-mailed directly to Branches, the amateur radio packet Bulletin Board Service and to others that subscribe through the NZART Website at:

<http://www.nzart.org.nz/join/e-mail-lists/join-infoline-list/>

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