



Headquarters - Info - Line

... a service from ...

The New Zealand Association of
Radio Transmitters Incorporated



20th February 2005

Issue #89

Greetings Everyone!

Welcome to **Headquarters-Info-Line** a fortnightly bulletin of news from NZART Headquarters E-mailed directly to Branches.

It has never been easier to subscribe to the Info-Line distribution list and have Info-Line sent to you direct by E-mail. Just check into the NZART web page <http://www.nzart.org.nz>. Look for **Info-Line Subscribe**. Supply your name, callsign and e-mail address and that's all you need to do. You will receive an e-mail confirmation of your auto-subscription and you can un-subscribe at any time.

The NZART Business Manager Debby ZL2TDM Says:

Break In - Sincere apologies for all those who have received their Break In and Voting papers, but are still confused as to whether you have paid your 2005 subscription. The reminder that went out on the latest Break In wrapper should have been excluded. If you received a Jan/Feb issue of Break In then you have definitely paid your 2005 subscription, so please do not forward another payment.

For those who haven't received Break In, either it has gone missing in the post or perhaps you have forgotten to pay. Please let me know and I will forward to you ASAP.

Anyone who pays their 2005 after 20th January will NOT be eligible to vote.

Election Voting Papers are steadily streaming in. It's great to see all of you taking an interest and the time to consider who you wish to represent you at Executive level. Please remember to enclose the Ballot envelope in the Freepost reply envelope supplied. Please do **NOT** send any money in these envelopes.

Examination Supervisors - A message from the Bold & Beautiful Gary ZL1AN. In September last year, Gary released an updated version of the examination paper generator, to fix some bugs in the earlier version. It seems that some of you were not notified of this and Gary apologizes.

The new version is 6.1b dated 22 September 2004.

If this is NOT the version you are currently running, please download and install it. The version number is shown at the top of the operating window.

You can obtain the new version from Gary's web page at

<http://www.phy.auckland.ac.nz/staff/geb/loads.htm>

The link to click on is NZART Examination Generator software, version 6.1b.

An installation file called "InstallNZART04v6.1b.exe" will be downloaded. Run this file. It should install the later version on top of the older one. Run the new program just as before, you should not notice any difference.

NZART Council Meeting: - NZART Council met at the Porirua Police College this weekend. Many items were discussed and a summary of discussions are:

Association Treasurer Evan Sayer submitted the un-audited financial accounts for 2004. These show that NZART is in a healthy state and special thanks to all members for their continued support of their Association.

All Officers annual reports presented were tabled and will be published in the next issue of Break In.

Election voting for President and Council closes on 20 the March, with a count being completed at headquarters on the 21st March. All candidates will be notified of the results the same day by phone. Members will be advised, via the Official Broadcast on 27th March, HQ Info-line 3rd April and also the March April issue of Break In due in your letterboxes on or about the 4th April.

A representative from the Ministry of Economic Development, Wayne Wedderspoon, attended the Council meeting, together with Fred Johnson ZL2AMJ to further discuss licensing changes on General User Radio Licenses (GURL). Negotiations are ongoing at this time, with more details being made available to all members in the very near future.

The National Director and AREC Section Leaders also held their face to face meeting at the Police College this weekend. NZART Executive felt it was a great opportunity to keep up with AREC events, training and future plans. Further meetings where AREC meets at the same time as NZART Council will be encouraged.

That's enough for now....Debby ZL2TDM

Contests with Stan White ZL2ST:

The Jock White Memorial Field Day contest date is on next weekend February - 26/27th. Time to organise your field station teams, site and gear or home station gear. Summary sheets are available on the NZART website. Rules are in the callbook and a summary is in Break In.

Amateur Licence Statistics from the Ministry of Economic Development's web site with Tony Case ZL1UD:

Statistics

Amateur Radio Licensing Statistics

Category	<u>Oct.21.04</u>	<u>Nov.24.04</u>	<u>Dec.20.04</u>	<u>Jan.25.05</u>	<u>Feb.15.05</u>
Grade					
General Grade	4725	4700	4696	4712	4716
Limited Grade					
Novice Grade	12	11	11	11	11
Total Amateur Licenses Issued	4737	4711	4707	4723	4727
Beacons	42	42	42	42	42
Digi-peaters	29	29	29	29	29
Fixed	2	2	2	2	2
Repeaters	239	245	247	247	249
TV Repeaters	42	42	42	42	42
Total Licenses	5091	5071	5069	5085	5091

FMTAG NEWS:

LICENCES PROPOSED FOR CANCELLATION - A recent review of Amateur Radio Licences has identified the following inactive licences. In the absence of any objections, it is proposed that the MED be requested to cancel these licences. Please contact FMTAG before the 27th of April, if there is an objection to cancellation of any of the licences, giving the reasons for the objection. We would also like to know of any other licences that should be cancelled.

Branches 06 and 74.

Licence 102011. Transmit frequency 439.050 MHz. Location Wharite. Licence 102011 has been replaced by Licence 173088 for 439.175 MHz at Wharite.

Branches 13 and 25.

Licence 101990. Transmit frequency 434.050 MHz. Location Mt Erin. Licence 101990 has been replaced by Licence 173089 for 434.175 MHz at Mt Erin.

Branches 13 and 25.

Licence 148476. Transmit frequency 438.425 MHz. Location Taraponui. Licence 148476 has been replaced by Licence 174209 for 438.425 MHz at Taraponui.

Branch 24.

Licence 102023. Transmit frequency 615.250 MHz. Location Saddle Hill. Licence 102023 has been replaced by Licence 174751 for 615.250 MHz at Takaka Hill.

Branch 30.

Licence 127520. Transmit frequency 438.500 MHz. Location Mt Cargill. Licence 127520 has been replaced by Licence 55703 for 439.150 MHz at Mt Cargill.

Branch 33.

Licence 70437. Transmit frequency 147.350 MHz. Location Ngongotaha. Licence 70437 has been replaced by Licence 174755 for 147.350 MHz at Mt Moerangi.

Branch 68.

Licence 130222. Transmit frequency 438.700 MHz. Location Mount Noble. The station has been dismantled.

Branch 81.

Licence 101987. Transmit frequency 433.975 MHz. Location Rakaurunga. Licence 101987 has been replaced by Licence 101988 for 433.975 MHz at Takaurunga.

Branch 86.

Licence 97643. Transmit frequency 438.950 MHz. Location Clements Hill. Licence 97643 has been replaced by Licence 156052 for 438.250 MHz at Ponga Hill.

You can view a copy of these licences on the MED's website. The URL does not include the usual <www>: <http://spectrumonline.med.govt.nz/licence-search.html>

Enter the licence number in the top box; click on "submit" in the bottom box, or press your Enter key. When the next page appears, click on the blue underlined licence number in the left-hand column. The next page is the licence. You can print a copy of the licence, if desired.

INTERIM RECOMMENDATIONS TO COUNCIL

Branch 60 Taupo has applied for a 2 metre Short Term Special Purpose (STSP) FM voice repeater, to be stored at the clubrooms, grid reference U18 790759. We have selected 6875, being a repeater transmit frequency of 146.875 MHz and a repeater receive frequency of 146.275 MHz, as being the most appropriate.

Branch 74 Wellington VHF has applied to increase the output power of the Belmont ATV repeater transmitter on 615.25 MHz (Channel 39) to 500 Watts PEP, the maximum permitted under the new licence conditions, which came into effect on the 17th of June 2004. All its other characteristics remain unaltered.

Branch 28 Whangarei has applied for a 2 metre data repeater, to be located at Parahaki, grid reference Q07 318089. We have selected 5425, being a repeater transmit frequency of 145.425 MHz and a repeater receive frequency of 144.825 MHz, as being the most appropriate.

FINAL RECOMMENDATIONS TO COUNCIL

Branch 63 Upper Hutt has applied for a 6 metre FM voice repeater, to be located at Climie, grid reference NZ260 R27 898041. We have selected 380, being a repeater transmit frequency of 53.800 MHz and a repeater receive frequency of 52.800 MHz, as being the most appropriate.

The Canterbury Amateur Radio Development Society (CARDS) has applied to move the 6 metre FM voice repeater from Eyrewell, to Cass Peak, grid reference NZ260 M36 797300. The repeater transmit frequency is 53.850 MHz and the repeater receive frequency is 52.850 MHz.

COMMENTS

Please send your comments and suggestions on the above matters and recommendations, and on any other FMTAG matters, by mail to FMTAG, NZART Headquarters, PO Box 40-525, Upper Hutt, or by e-mail to fntag@nzart.org.nz.

APPLICATIONS

Applications for repeaters, beacons, digipeaters, point-to-point links, and so on, should be made on the latest version of FMTAG Form 10, which may be obtained from the above address, in paper or electronic versions. Completed forms should be sent to NZART Headquarters or by e-mail to fntag@nzart.org.nz.

VHF Convention 2005:

The members and committee of Wellington VHF Group invite you to attend VHF Convention. Convention will feature an exciting mix of speakers, technical presentations, VHF Forum, mobile rally and fox-hunt, mini-Contest, special interest groups, and this year for the first time, a special forum for National System Trustees. The technical programme is complimented by Hands-on satellite and moonbounce activities. Spot prizes.

Dates: Easter weekend 25-26-27-28 March
Venue: Raroa Intermediate School, Haumia Street, Johnsonville.
Registration: Full programme including Dinner \$80.00

Programme:

Friday pm	Registration and informal get-together and snacks at the venue
Saturday	Keynote speaker, technical programme, VHF Forum
Sat night	Wellington Area Amateur Radio Dinner and social
Sunday	Technical programme, mobile rally, National System Trustees forum, & special interest groups.

Wellington Area Amateur Radio Dinner:

All Amateurs, spouses/partners and their personal guests are invited to attend this social event associated with the VHF Convention being held in Wellington over Easter 2005, organised and run by Wellington VHF Group.

Time: 6:30 for 7:30 dining, Saturday 26th March 2005 (Easter Saturday).
Venue: The function Room, Johnsonville Club Inc, 1 Norman Lane, Johnsonville.
Dinner: Smorgasbord: choice of meat & salads, hot vegetables, complimentary wine, and fruit juices. Fruit-salad and Pavlova for dessert. Tea & coffee.
Bar service: This is **NOT** bring-your-own (BYO), but a bar service is available at Club prices.
Dance floor: Large Dance floor, bring along your favourite CD.
Entertainment: Amateurs are good performers –some will surely entertain you!
Charge: For those registered for the VHF Convention programme, the cost of the dinner is included in your registration fee. For those who wish to attend the dinner only, a charge of \$30.00 per person applies.

Details of the technical programme for VHF Convention and a brochure, with a registration form for VHF Convention and the Wellington Area Amateur Radio Dinner are attached to this issue of HQIL. (See draft program below and Registration form at the following link – <http://www.nzart.org.nz/nzart/update/infoline/registration.pdf>

Local Government Issues with Mike Newman ZL1BNB:

NZART has opposed the Proposed Waikato District Plan in a submission forwarded to the Council.

Following a meeting of representatives of the Hamilton, Huntly and Raglan branches the submission was prepared jointly by Hamilton Branch Secretary Phil King ZL1PK and Mike Newman ZL1BNB, our Local Government Liaison Officer. The submission opposes severe restrictions on antenna heights and numbers.

The process requires the Council to advertise the submissions received, and call for further submissions, and then to prepare reports on the plan and all submissions before conducting public hearings. At the public hearings, in-depth evidence supporting the submission will be presented to the Council.

It could be a year or more before amateurs in Waikato District, including Ngaruawahia, Huntly, Raglan and the Hamilton peri-urban area know whether their submissions have been successful in convincing the Council its plan should be less draconian than the present proposal.

A copy of this NZART submission is attached to this issue of HQ-Info-Line.

From The Editor Of Break-In John Walker ZL3IB:

Many BI contributors are now sending their copy and/or graphics/photos on CDROMs. This is convenient and much appreciated but I now have quite an accumulation of used disks. Nowadays CDROMs are quite inexpensive if bought in bulk as reels, and I wonder if they are worth the cost (\$1+) of returning? I am more than happy to return them to authors but please advise at time of sending if you wish them to be returned; otherwise they will be dumped after BI is published. I find a low-cost, but adequate, method of sending is to enclose the disk in a paper or plastic sleeve, sandwich this between 2 sheets of light card (ie, omit the plastic case) and send in an A5/C5 size envelope. This method is especially economical if posting overseas where thickness of the envelope is a limiting factor.

Dates to Remember:

- **Next HQ-Info-Line Sunday 6th March 2005.**
- **First NZART Official Broadcast for 2005 Sunday 27th February.**
- **Technology Convention 2005, Wellington 26th & 27th March.**

73

Jim Meachen ZL2BHF

Editor

FRIDAY evening

1700 Doors open. Arrival. Registration. Informal get together. Snacks.

SATURDAY

0800 Doors open.

0900 Official opening. Peter Dunne, MP.

0915 Key note speaker. Fred Johnson, ZL2AMJ.

1000 Morning tea

Technical programme. Session 1 (120 minutes)

1030 Leon Lammers van Toorenborg – GPS applications

1110 Owen Borlase – RF design tools

1150 John Yaldwyn - Digital links

1230 Lunch

Technical programme. Session 2 (80 minutes)

1330 Kevin Murphy – VHF/UHF/SHF transverters

1410 Bob McQuarrie – Digital Meteor Scatter and Moonbounce

1450 Afternoon tea

Technical programme. Session 3 (120 minutes)

1520 Doug Ingham – Intermodulation and mixers

1600 Jim and Joanna Towler - DFing interference

1640 John Yaldwyn – Remote control of HF/VHF/UHF transceivers

1720 Free

1830 Wellington Regional Dinner and Social – Johnsonville

SUNDAY

0800 Doors open.

Technical programme. Session 4 (90 minutes)

0900 Terry Osborne/Fred Kennedy/Ian Ashley – KiwiSat update

1000 Jim Towler - Satellite communication – live demonstration

1030 Morning tea

1100 Fox hunt and Mobile Rally

1300 Lunch

Technical programme. Session 5 (40 minutes)

1420 Peter Loveridge – GPS for Amateurs

1500 Afternoon tea

1530 Contests Forum – Moderator Leon Lammers van Toorenborg

1600 General Forum – Moderator Vaughan Henderson

1730 Free

1830 Informal evening meal and prize-giving

2000 Bob McQuarrie – Demonstration of Digital Moonbounce

MONDAY morning. Technical visits, subject to availability. Departure.

PARALLEL PROGRAMME

SUNDAY 0900 to 1100 – NATIONAL SYSTEM TRUSTEES ONLY

Moderator <name> + professional project manager

Implementation timetable for, and logistics of, the frequency change

<date> <time> ATV SPECIAL INTEREST GROUP

STANDBY TOPICS for MAIN PROGRAMME to fill any last-minute holes:

Leon & Gavin - Project 39 ATV repeater equipment package for nation-wide use

Stratex hams - 10 GHz transceiver project

Doug Ingham – Home-made RF test equipment

NZART has opposed the Proposed Waikato District Plan in a submission forwarded to the Council.

Following a meeting of representatives of the Hamilton, Huntly and Raglan branches the submission was prepared jointly by Hamilton Branch Secretary Phil King ZL1PK and Mike Newman ZL1BNB, our Local Government Liaison Officer. The submission opposes severe restrictions on antenna heights and numbers.

For permitted uses the proposed plan

- 1 limits antenna heights to:
 - 7.5 metres in the Living Zone (ie, residential)
 - 10.5 metres in the Country Living (rural settlement)
 - 13 metres in the Rural Zone
- 2 limits the maximum number of antennas on a property to three, while at the same time including supporting poles within that number.
- 3 is vague as to whether an antennas and/or its supports are considered as structures.
- 4 limits dishes in the living zones to 2 metres diameter.
- 5 has height control planes which if applied to a 7.5 metre height would require a property width exceeding 17 metres , for a 10.5 meter height 27 metres while for a 15 metre height the width needed would exceed 45 metres.

The thrust of the submission is that the amateur service and amateur operators are severely limited, both in communication and experimentation, by the plan proposals which should be relaxed to allow, as permitted uses;

antenna support structures up to 15 metres in height,
dishes up to 4 metres diameter,
height control planes not to apply to antennas and their supporting structures,
no limit on number of antennas and supporting structures,
antennas and their supporting structures be exempted from the definition of a structure.

In a submission signed by President Peter Norderm ZL2SJ, NZART wrote that

"Amateur Radio (commonly known as "Ham Radio") is a recreational and self-training activity and a communication service that is established and governed by international statute. It fosters cutting-edge experimentation in radio-technology and related topics, and provides a pool of scientific research worldwide. As a result of this wide spread radio expertise, Amateur Radio is in the forefront of emergency communications facilities, both internationally and locally. Amateur radio requires appropriate antennas; it can only function with antennas of adequate sizes and heights. Amateur Radio operators, by international regulatory definition are without pecuniary interest, so have limited resources to meet unduly restrictive requirements for planning processes.

I oppose the proposed plan since it fails to accommodate as permitted uses the reasonable requirements of amateur radio operators and the amateur radio service, through excessive limitations on the height, location and numbers of radio antennas (aerials) and their supporting structures.

I wish to have the plan amended to remove the unduly severe restrictions of the proposed plan on the amateur service, so as to allow as permitted uses antennas erected at proper height and dimensions and in sufficient number for communications effectiveness and experimentation and otherwise to reasonably accommodate amateur radio service communications."

The process requires the Council to advertise the submissions received, and call for further submissions, and then to prepare reports on the plan and all submissions before conducting public hearings. At the public hearings, in-depth evidence supporting the submission will be presented to the Council.

It could be a year or more before amateurs in Waikato District, including Ngaruawahia, Huntly, Raglan and the Hamilton peri-urban area know whether their submissions have been successful in convincing the Council its plan should be less draconian than the present proposal.