



# Headquarters - Info - Line

... a service from ...

The New Zealand Association of  
Radio Transmitters Incorporated



15 January 2006

Issue # 108

Greetings Everyone!

Welcome to the first **Headquarters-Info-Line** for 2006.

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/nzart/> 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.

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## **The NZART Business Manager Debby ZL2TDM Says:**

Happy New Year to you all. Sorry not much news as I am officially due back tomorrow 16<sup>th</sup> Jan to work.

Just a reminder tho' for anyone interested in the AREC National Director position, applications close on the 20<sup>th</sup> January, so if you are thinking of sending in your CV please get it to me early next week.

President Bruce ZL2WP was suddenly taken to hospital the week before Christmas, where he underwent a series of tests. He has since undergone major surgery and is recovering steadily. We wish him all the best for a continued speedy recovery and return to the chair of President as soon as he has recovered. He is currently in Lower Hutt hospital.

NZART Vice President John Lochhead ZL4QS is acting President, so for any matters requiring presidential consideration, please forward them to him.

Talk soon...Debby ZL2TDM

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## **FMTAG Notes:**

**Spectrum Management and Registration Technology (SMART)** - The Radio Spectrum Management Group, of the Ministry of Economic Development, launched its new on-line SMART service at the end of November 2005.

All licences holders should have received a letter from the MED, in November, containing their Client Key and Client Password, for accessing SMART services. This letter should be kept in a safe place. As with the information about an EFTPOS or CREDIT card, the Key and Password should not be emailed or divulged to any unauthorised person.

FMTAG will need to know the Client Key and Client Password when making changes to some existing repeater/beacon/link licences, on behalf of Branches. Branches will be advised in writing, not by email, when this information is required.

**External Engineering Of Licences** - All licences holders should have received a letter and brochure entitled “New Radio Spectrum Licence Fees” from the MED, in June 2005, explaining the new Fees schedule that came into effect on the 1st of July. The brochure is also available at: <http://www.med.govt.nz/rsm/licensing/fees/index.html>

The main impact on the Amateur Radio Service is that the Engineering Certification, for repeater/beacon/link licence applications, previously carried out by the MED (Internal Engineering), at no charge, costs \$300 since the 1st of July.

However, suitably qualified persons, approved by the MED: Approved Radio Certifier (ARC) or Approved Radio Engineer (ARE); can certify licence applications (External Engineering).

Doug, ZL2TAR, qualified in July 2004 and Fred, ZL2AMJ, qualified in March 2005.

The MED makes no charge for Externally Engineered licence applications.

The engineering compatibility factors required to be considered before a certificate is issued: suitability of the selected frequency band and site, path profiles, co-channel and adjacent channel interference, image and intermodulation interference, and so on, are described in publication PIB38, available on the MED web site: <http://www.med.govt.nz/rsm/publications/pibs/pib38/index.html>

FMTAG has certified 20 repeater/beacon/link licence applications by the External Engineering route, since the 1st of July, thereby avoiding the MED’s \$300 engineering fee for each one.

The engineering compatibility evaluation of each application takes, on average, about 3 hours for all the calculations required by the MED. Applications at, or near, multi-user sites, can take much longer. One application, involving about 150 other licences within a 2 km radius, took 6 hours, while one involving over 200 other licences, within 2 km, took 8 hours.

## **Call Book Updates**

**Branch 56, Christchurch West**, advised that its three BBS stations have closed down. Please delete the three entries from the table on page 4-5, and from the map on page 4-7, of Call Book.

**Branch 74, The Wellington VHF Group**, advises that the 850 repeater on Mount Victoria has closed down and been replaced by a new repeater installation on 950. On page 4-5 of Call Book, please amend: Mount Victoria 850 to Mount Victoria 950, and the output frequency to 439.500 MHz. Please make the same amendment to the bottom left-hand corner of the map on page 4-2.

### **Interim Recommendations to Council**

**Branch 30 Otago** has applied to establish a simplex 70 cm repeater at Saddle Hill, Mosgiel, Map Reference NZ260 I44 055746. We have selected 820, being a repeater transmit and receive frequency of 438.200 MHz, as being the most suitable. We have also reserved the repeater receive frequency of 433.200 MHz for future conversion to a standard duplex repeater.

**Branch 30 Otago** has applied to establish a simplex 70 cm repeater at Highcliff, Map Reference NZ260 I44 231779. We have selected 830, being a repeater transmit and receive frequency of 438.300 MHz, as being the most suitable. We have also reserved the repeater receive frequency of 433.300 MHz for future conversion to a standard duplex repeater.

**Branch 46 Wairarapa** has applied for a power increase for its Castlepoint 5675 repeater, map reference U26 820346. An engineering evaluation confirms that the repeater will not interfere with the other 5675 repeaters, and can remain on its existing frequency (repeater transmit frequency 145.675 MHz, repeater receive frequency 145.075 MHz).

**Branch 71 Rodney** has applied to relocate its 730 repeater to Moir Hill, Map Reference NZ260 R09 539245. An engineering evaluation confirms that, although the repeater's coverage will increase, it is unlikely to interfere with the other 730 repeaters, and can remain on its existing frequency (repeater transmit frequency 147.300 MHz, repeater receive frequency 147.900 MHz).

### **Final Recommendations To Council**

**Branch 05 Christchurch** has applied to increase the transmitter power of 705 Marleys Hill (repeater transmit frequency 147.050 MHz, repeater receive frequency 147.650 MHz). An engineering evaluation confirms that the repeater will not interfere with other 705 repeaters.

**Branch 05 Christchurch** has applied to increase the transmitter power of 725 Herbert Peak (repeater transmit frequency 147.250 MHz, repeater receive frequency 147.850 MHz). An engineering evaluation confirms that the repeater will not interfere with other 725 repeaters.

**Branch 28 Whangarei** has applied to relocate its 870 repeater to Parahaki, Map Reference NZ260 Q07 318089. An engineering evaluation confirms that the repeater will not interfere with the other 870 repeaters, and can remain on its existing frequency (repeater transmit frequency 438.700 MHz, repeater receive frequency 433.700 MHz).

**Branch 66 Auckland VHF** has applied to establish a 2 metre APRS station at Whitford, Map Reference NZ260 R11 898705. The transmit and receive frequency will be 144.575 MHz in accordance with the band plan. This is a shared frequency.

**Branch 66 Auckland VHF** has applied to establish a 70 cm APRS station at Whitford, Map Reference NZ260 R11 898705. The transmit and receive frequency will be 432.575 MHz in accordance with the band plan. This is a shared frequency.

**ZL1CYK** has applied for an unattended simplex Echolink node to be located in Tauranga at grid reference U14 917815. We have selected transmit and receive frequencies of 432.700 MHz, in accordance with the NZART band plan. This is a shared frequency.

**Comments** - 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](mailto:fmtag@nzart.org.nz) or by mail to FMTAG, c/- NZART, PO Box 40-525, Upper Hutt.

**Applications**

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 from the above address, in paper or electronic versions, or in Word or pdf versions on the NZART web site at:

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

Completed forms should be sent by e-mail to [fmtag@nzart.org.nz](mailto:fmtag@nzart.org.nz) or by mail to FMTAG, c/- NZART, PO Box 40-525, Upper Hutt.

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**HAMADs Information from the Editor of Break-In:**

Please send your HAMAD to The Advertising Manager, Break-In, PO Box 1733, Christchurch. If possible use the HAMAD form on p2 (reverse side) of your BI address sheet.

*Please **do not** send HAMADs to NZART HQ.* This causes extra work and delays; so you may miss the closing date!

**Thanks - John Walker ZL3IB, Editor.**

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

Statistics					
Amateur Radio Licensing Statistics					
Category	Dec. 19, 03	Dec.20.04	Oct.25.05	Nov.22.05	Dec.19.05
<b>Grade</b>					
General Grade	3162	4696	4771	4780	4798
Limited Grade	1525				
Novice Grade	12	11	9	9	9
<b>Total Amateur Licenses Issued</b>	<b>4699</b>	<b>4707</b>	<b>4780</b>	<b>4789</b>	<b>4807</b>
Beacons	42	42	44	44	44
Digi-peaters	28	29	27	28	28
Fixed	2	2	1		
Repeaters	211	247	261	275	267
TV Repeaters	19	42	40	40	40
<b>Total Beacons Repeaters and Links</b>	<b>302</b>	<b>362</b>	<b>373</b>	<b>387</b>	<b>379</b>
<b>Total Licenses</b>	<b>5001</b>	<b>5069</b>	<b>5153</b>	<b>5176</b>	<b>5186</b>

## **NZART Contests and Activities with John Powell ZL1BHQ:**

<b>Hungarian DX Contest,</b>	1200Z, Jan 21 to 1200Z, Jan 22
<b>BARTG RTTY Sprint</b>	1200Z, Jan 28 to 1200Z, Jan 29
<b>UBA DX Contest, SSB</b>	1300Z, Jan 28 to 1300Z, Jan 29
<b>Mexico RTTY International Contest</b>	1800Z, Feb 4 to 1759Z, Feb 5
<b>Jock White Memorial Field Day Contest</b>	0200-1100Z Feb.25 and 1700-0200Z Feb 26

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## **VHF-UHF Contest News:**

**New VHF-UHF Contest Manager Appointed** - Leon, ZL2AOC, has resigned as VHF-UHF Contest Manager, to devote more time to his family and to his rapidly expanding business, and to become an active contester once again.

The VHF-UHF Contests have gone from strength to strength under Leon's management, and we are very grateful for his leadership skills. Leon will continue to act in an advisory role.

In the interim, The Wellington VHF Group has appointed Doug, ZL2TAR, as Acting VHF-UHF Contest Manager, with the remit of running the next few contests and overseeing a revision of the Contest Rules, see below.

Doug was an active contester until 1994, when he was first appointed VHF-UHF Contest Manager.

### **Forthcoming VHF-UHF Contests**

**The 2006 HIBERNATION CONTEST** will be held in early April.

#### **Dates and times:**

**Saturday 1st April 2006.** Six one-hour periods: 1700 to 2300 NZT.

**Sunday 2nd April 2006.** Six one-hour periods: 0700 to 1300 NZT.

The rules for this contest are available at: [www.nzart.org.nz/nzart/update/contests/vhfcontestrules.html](http://www.nzart.org.nz/nzart/update/contests/vhfcontestrules.html)

**Revision Of The VHF-UHF Contest Rules** - There have been several minor changes to the VHF-UHF Contest Rules, over the years, mainly as a result of discussions at the bi-annual VHF Convention.

The Wellington VHF Group Committee has decided to revise the Contest Rules, and has published a discussion document and invitation to make comments, on the contests section of the NZART web site. To minimise confusion, comments should follow the section numbering of the discussion document.

Enquiries and comments on the discussion document can be sent to the Wellington VHF Group at: [zl2wa@clear.net.nz](mailto:zl2wa@clear.net.nz)

**The proposed consultation timetable is:**

**Mid January.** Publication of the discussion document, inviting submissions on such matters as: contest dates, times, points, etc. The aim is to recognise and reward "the degree of difficulty" of contesting.

**End of February.** Closing date for comments, complete with supporting evidence.

**Early March.** The Wellington VHF Group Committee studies the comments, makes follow-up enquiries where necessary, and defines the new VHF-UHF Contest Rules.

**Mid March.** New VHF-UHF Contest Rules published, to take effect on the 1st of May 2006.

It is intended that the 2006 Hibernation Contest, to be held in early April, will be the last contest run under the old rules.

**NOTE:** An invitation to make a submission on the revision of the New Zealand VHF/UHF/SHF/EHF Contest Rules and the Results of the 2005 VHF-UHF Field Day held on 3<sup>rd</sup> & 4<sup>th</sup> December 2005 are attached to this issue of HQIL.

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**Dates To Remember:**

- Next HQ-Info-Line E-mailed Sunday 5<sup>th</sup> February 2006
- First NZART Official Broadcast for 2006 Sunday 26<sup>th</sup> February 2006

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**Jim Meachen ZL2BHF**  
**Editor**

## Results of the 2005 VHF Field Day - 3/4 December

Band	Station	Points	Location
6 (51 MHz)	<b>ZL1BQ</b>	<b>805</b>	<b>Manganui Bluff</b>
	ZL1SWWW	307	Moirs Hill
	ZL2AS	301	Taraponui Summit
	ZL1UJG	14	Mt Kariori
2 m (144 MHz)	<b>ZL1BQ</b>	<b>979</b>	<b>Manganui Bluff</b>
	ZL1SWWW	590	Moirs Hill
	ZL2AS	440	Taraponui Summit
	ZL2IP	344	Inglewood
	ZL1AOX	266	Papakura
	ZL2MA	115	Maxwell
	ZL1UJG	82	Mt Kariori
ZL2JL	44	South Taranaki	
70 cm (432 MHz)	<b>ZL1BQ</b>	<b>1770</b>	<b>Manganui Bluff</b>
	ZL1SWWW	1105	Moirs Hill
	ZL2IP	949	Inglewood
	ZL1AOX	771	Papakura
	ZL2AS	336	Taraponui Summit
ZL1UJG	234	Mt Kariori	
33cm (925MHz)	<b>ZL1BQ</b>	<b>288</b>	<b>Manganui Bluff</b>
	ZL1SWWW	288	Moirs Hill
23 cm (1296 MHz)	<b>ZL1SWWW</b>	<b>968</b>	<b>Moirs Hill</b>
	ZL1BQ	636	Manganui Bluff
	ZL1AOX	585	Papakura
	ZL2IP	204	Inglewood
	ZL2AWL	180	Mt Ranganui
ZL1UJG	96	Mt Kariori	
12 cm (2424 MHz)	<b>ZL1SWWW</b>	<b>2642</b>	<b>Moirs Hill</b>
	ZL1UJG	1526	Mt Kariori
	ZL1AOX	1094	Papakura
	ZL1BQ	740	Manganui Bluff
ZL2IP	567	Inglewood	
9 cm (3400 MHz)	<b>ZL1AOX</b>	<b>1215</b>	<b>Papakura</b>
	ZL1SWWW	960	Moirs Hill
6cm (5600MHz)	<b>ZL1SWWW</b>	<b>2277</b>	<b>Moirs Hill</b>
	ZL2AWL	1663	Mt Ranganui
	ZL1AOX	1215	Papakura
	ZL1UJG	952	Mt Kariori
3 cm (10368 MHz)	<b>ZL1SWWW</b>	<b>5580</b>	<b>Moirs Hill</b>
	ZL2IP	4650	Inglewood
12mm (24GHz)	<b>ZL1SWWW</b>	<b>162</b>	<b>Moirs Hill</b>
6mm (47GHz)	<b>ZL1SWWW</b>	<b>81</b>	<b>Moirs Hill</b>
<b>Aggerate Scores</b>	<b>ZL1SWWW</b>	<b>14960</b>	<b>Moirs Hill</b>
	ZL2IP	6714	Inglewood
	ZL1BQ	5218	Manganui Bluff
	ZL1AOX	3930	Papakura
	ZL1UJG	2904	Mt Kariori
	ZL2AWL	1663	Mt Ranganui
	ZL2AS	1077	Taraponui Summit
	ZL2MA	115	Maxwell
ZL2JL	44	South Taranaki	

<b>GREATEST DX</b>			Dist (km)
6m	VK5UBC	ZL1BQ	3151
2 m	ZL2AS	ZL1BQ	471
70 cm	ZL1BK	ZL1BQ	395
33cm	ZL1SWWW	ZL1BQ	125
23 cm	ZL1BK	ZL1BQ	395
12 cm	ZL2SWWW	ZL1UJG	155
9 cm	ZL1SWWW	ZL1AOX	81
6cm	ZL1SWWW	ZL1UJG	155
3 cm	ZL1SWWW	ZL2IP	310
12mm	ZL1SWWW	ZL1AVZ	45
6mm	ZL1SWWW	ZL1AVZ	45

### ACTIVE STATIONS (71)

VK2APG	VK2KEV	ZL1ACM	ZL1HN	ZL1SWWW	ZL2AS	ZL2GTB	ZL2TC
VK2ARA	VK2ON	ZL1AKW	ZL1IB	ZL1TWR	ZL2AS	ZL2IMM	ZL2TM
VK2BHO	VK2TG	ZL1AOX	ZL1KM	ZL1UIJ	ZL2AUB	ZL2IP	ZL2TPY
VK2BJ	VK2YO	ZL1BK	ZL1KO	ZL1UJG	ZL2BCK	ZL2IP	ZL2TRN
VK2BX	VK2ZMT	ZL1BQ	ZL1MO	ZL1UTR	ZL2BWL	ZL2KG	ZL2UCE
VK2BXT	VK4CZ	ZL1BYZ	ZL1NM	ZL1UYJ	ZL2CS	ZL2LE	ZL2VM
VK2BZE	VK4ID	ZL1CAX	ZL1QF	ZL2AAA	ZL2DW	ZL2NF	ZL3TT
VK2EDB	VK4ZQ	ZL1DK	ZL1RI	ZL2AGD	ZL2FT	ZL2RC	ZL3UDR
VK2FAD	VK5UBC	ZL1GSM	ZL1RP	ZL2ALW	ZL2GAZ	ZL2TAL	

### Next Contest

14/15 Jan 2006 Cliff Betson Memorial Contest. All Bands 6m and up aligned Ross Hull FD (Australia)

The rules were published in September/October 2000 Break-In.

The rules are also available at:

[www.nzart.org.nz/nzart/update/contests/vhfcontestrules.html](http://www.nzart.org.nz/nzart/update/contests/vhfcontestrules.html)

All contest logs should be sent, to arrive within TWO WEEKS, to:

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

AN INVITATION TO MAKE A SUBMISSION ON THE REVISION OF THE  
NEW ZEALAND VHF/UHF/SHF/EHF CONTEST RULES

PROPOSED CONSULTATION TIMETABLE

Mid January 2006. Publication of this discussion document.

28th of February 2006. Closing date for submissions, complete with supporting evidence.

Early March 2006. The Wellington VHF Group Committee studies the submissions, makes follow-up enquiries where necessary, and defines the new VHF-UHF Contest Rules.

Mid March 2006. Publication of the New VHF-UHF Contest Rules.

1st of May 2006. The New VHF-UHF Contest Rules take effect.

OVERALL CONTEST PHILOSOPHY

The aim is to recognise and reward "the degree of difficulty" involved in contesting.

THE STRUCTURE OF THIS DISCUSSION PAPER

For the convenience of submitters, and for the Committee reviewing the submissions, each section is numbered. The numbers correspond to the clause numbers in the existing Contest Rules.

To minimise confusion, comments in the submissions should use the same section numbers.

CLAUSE 1. Contest dates

There are five contests a year, mostly at the beginning of the respective months. The dates have been chosen to align with periods of expected enhanced propagation, and to fit in with the copy deadlines of Break-In, HQ InfoLine, the NZART Official Broadcast, and of Spectrum and Q-Bit.

Cliff Betson Memorial Contest.

All bands 50 MHz and up. Aligned with the Ross Hull Field Day, usually the second weekend in January.

Hibernation Contest.

All bands 50 MHz and up. First Saturday in April, and the following day. Delayed one week if it clashes with VHF Convention, at Easter.

Brass Monkey Contest.

All bands 50 MHz and up. First Saturday in July, and the following day.

Microwave Contest.

All bands 614 MHz and up. First Saturday in October, and the following day.

Field Day.

All bands 50 MHz and up. First Saturday in December, and the following day.

For all contests, the operating periods are 1700 to 2300 on the Saturday, and 0700 to 1300 on the Sunday, local time NZT or NZDT, as applicable.



#### COMMENT

Cliff Betson was one of the VHF pioneers in New Zealand. The contest named in his honour was intended to be on a date, aligned with a similar memorial contest in Australia, to maximise the point-scoring possibilities.

It is desirable that the contest dates have a "universal" definition, as at present, so that any contesteer should be able to define the contest date for any year, from the Rules, without having to search for the particular contest notice.

Previous submissions have requested that 3-day and 4-day weekends should be avoided, for family reasons. For example, many Statutory Holidays, such as Provincial Anniversaries are "Mondayised", whereas New Zealand Day falls on a fixed date, the 6th of February, becoming a Friday or Monday two years in seven, creating a 3-day weekend, and becoming a Thursday or Tuesday two years in seven, often being used by many to create a 4-day weekend. Please consult a universal calendar when making your submission.

#### QUESTION 1A.

Should there be more or fewer contests each year?

Please give reasons.

#### QUESTION 1B.

Which dates should the contests be on?

Please give reasons.

#### CLAUSE 2. Definitions

The parameters for each contest are included in the above list of contest dates.

QRP shall mean a transmitter operated at an output power of 5W or less.

A Field Station is one where all equipment, power supplies, and operating shelters are taken to the site, and no other facilities are used.

Light. Electronic signal generation, modulation and detection, shall be used on all bands, including between 400 THz and 750 THz (light).

#### COMMENT

Previous submissions have requested that operation from a permanent structure, or operation from a temporary structure, powered by an extension cord from a permanent structure, be ineligible for the Field Station multiplier.

The "light" definition was introduced to eliminate the use of heliographs.

#### QUESTION 2.

Should any of the definitions be modified, deleted or added to?

Please give reasons.

#### CLAUSE 3. Crossband or repeater contacts

Crossband contacts, or contacts through repeaters, are invalid.

#### QUESTION 3.

Should this rule be modified, deleted or added to?

Please give reasons.

#### CLAUSE 4. Time

Use time signals from broadcast stations, WWV, or UTC corrected GPS time. All contest periods begin and end on the hour.

QUESTION 4.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 5. Operation site

Stations may use only one site for the duration of the Contest, but may move to shelter within one kilometre. Any greater move requires a scoring restart. All operating shelters, antennas and antenna support structures shall be located within a circle of 100 m diameter; power generators may be located outside the circle. Two, or more, stations in close proximity may only participate if the stations are erected and operated entirely independently through the Contest.

COMMENT

This rule, and rules 6, and 7, illustrate the fine balance between arrangements that enhance safety but can also be abused to enhance point-scoring.

QUESTION 5.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 6. Teams

Team operation is advisable on field sites, for safety. No member of a team that has set up and operated a station may earn points for that station by making contact with that station.

QUESTION 6.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 7. Call-signs

Only one call-sign may be used by a station for the duration of the Contest.

QUESTION 7.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 8. Repeat contacts

No station may be worked twice in a period on the same band, nor may consecutive contacts be made on that band to the same station, bridging a period change, unless the other station has worked a third station, if available, in the interim. There shall be a period of, at least, 15 minutes between contacts, if a third station is not available.

QUESTION 8.

Should this rule be modified, deleted or added to?

Please give reasons.

CLAUSE 9. Contact Serial Numbers

Contacts must be full two-way, and serial numbers must be correctly exchanged and acknowledged, before points may be claimed. The serial number is made up of RS(T) plus a three digit number starting at 001 for the first contact, and which increases by one for each subsequent contact.

COMMENT

This rule serves many purposes, by creating a piece of information to be accurately exchanged between stations, the very essence of radio communication.

Starting the serial numbers at 001 gives all stations an indication of contest activity.

Comparison of logs indicates the accuracy of log keeping, and the occasional attempts at fraud.

QUESTION 9.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 10. Station location

Location details of contesting stations must be exchanged on first contact with each new station, especially if mobile, and entered into the log. Stations shall give their location as latitude and longitude, to within five minutes resolution or full Maidenhead Locator. As the full Maidenhead is only accurate to 7 km, station location shall be given to within 30 seconds resolution, approximately 0.9 km for contacts above 300 MHz. "Christchurch" or "Home station" is an insufficient description, and the contacts may be disallowed.

If using GPS, write down the EXACT display. For example, the following locations are very different: 43.372659 South, 43:37.2659 South, 43:37:26.59 South

QUESTION 10.

Should this rule be modified, deleted or added to?  
Please give reasons.

CLAUSE 11. Logs

Contest logs must reach the VHF/UHF/SHF Contest Manager, Wellington VHF Group, PO Box 12-259, Thorndon, Wellington, within two weeks of the contest, and must contain:

(a) A certificate signed by the chief operator, stating that the station was operated in accordance with the Radio Regulations and these contest rules.

(b) A list of all operators, call-signs and NZART membership numbers.

(c) The station call-sign and operating site, accurately described. Please include a postal address for correspondence and/or certificates.

(d) Power of each transmitter used.

(e) Optional supplementary information on conditions and/or equipment used, for publication. This is of value to other contestants, and to the contest organisers.

(f) Separate log sheets for each contest section, in each band, single-sided, showing the following:

(i) Heading, showing Section, Band, Contest, Date.

(ii) Time and (other) station call-sign, for each contact.

(iii) Serial numbers exchanged.

(iv) Other station location (first contact).

(v) Distance in kilometres to other station.

(vi) Claimed score for each contact.

(vii) Running score per sheet, total for band, with any bonus points. Each section, on each band, is a mini-contest, please log them that way.

(g) An email address, or a 45 cent stamp, for results, if you don't want to wait until the results are published in Break-In, HQ InfoLine, Q-Bit and Spectrum.

(h) Check logs are welcome.

Maidenhead Squares

Please ensure that the six-character code is correct. A description of the Maidenhead Locator system can be found on page 29 of the May 1990 Break-In and page 30 of March 1991 Break-In.

For highest accuracy, particularly above 300 MHz, station locations are preferred in longitude/latitude format.

COMMENT

Most contestants are anxious to know how they scored in comparison with the others and desire a prompt declaration of Contest Result. Publication deadlines also set time limits. Two weeks after the contest, to prepare and submit logs, appears to be a reasonable compromise.

QUESTION 11.

Should this rule be modified, deleted or added to?

Please give reasons.

CLAUSE 12. Scoring

You must score your log as detailed below.

See Table 1 for basic scores, for CW and all Voice modes: AM, SSB, FM and digital modulation, etc.

For ease of scoring we suggest using a map with a scale of one to one million, for example InfoMap 265, or similar. At this scale 1 mm = 1 km.

Table 1

Distance (km)	Band				
	6 m	2 m	70 cm	48 and 32 cm	23 cm
0-25	1	1	1	5	2
25-50	2	1	2	10	5
50-75	3	2	5	20	10
75-100	5	2	7	30	15
100-150	7	3	10	40	20
150-200	10	5	15	50	25
200-300	12	7	20	60	30
300-400	15	10	30	80	40
400-500	20	12	40	120	60
500-600	25	15	50	150	75
600-800	20	25	75	200	100
800-1200	15	35	100	400	200
1200-2000	10	50	150	600	300
2000-4000	25	75	200	800	400
4000-6000	35	100	300	1000	500
>6000	100	200	400	1200	600

Above 2.3 GHz, one point per kilometre.

COMMENT

The existing schedule of points, versus band and distance, represents an attempt at recognising and rewarding "the degree of difficulty" in making contest contacts. One intention was that the availability of ready-made, store-bought, equipment for 6 m, 2 m, 70 cm, 23 cm and 13 cm, should be recognised with lower points than for the bands 48 cm, 32 cm, and 9cm and above, where most equipment has to be home made.

Another intention was that the higher diffraction losses on higher bands, under normal propagation conditions, should be recognised with higher points. This needed to be balanced against the comparative ease of making long-distance contacts on the higher-frequency bands, during periods of enhanced propagation.

Since this table was last modified, 70 cm equipment has become as commonplace as 2 m equipment used to be, 23 cm equipment has become as commonplace as 70 cm equipment used to be, and 13 cm equipment has become as commonplace as 23 cm equipment used to be.

There has been a suggestion that Table 1 should be modified to reduce the points on 70 cm to be the same as, or not much higher than, on 2 m, and to change the existing column headings from 70 cm to 23 cm, and from 23 cm to 13 cm. The 1 point per km would then change from "above 2.3 GHz" to "above 3.3 GHz". Alternatively, one, or more, columns could be added to the Table.

QUESTION 12.

Should this rule be modified, deleted or added to?

Please give reasons. Please provide a modified version of Table 1.

CLAUSE 13. Bonus Multipliers (in order of application)

Other techniques, such as RTTY, ASCII, AMTOR, Packet, SSTV, ATV, etc. multiply the basic score by 1.5.

QRP-multiply previous score by 1.5. (Stations may use QRP on some modes, and/or bands, and high powers on others, with multipliers calculated on a contact by contact basis.) The establishing of a contact on high power, then reducing the power for scoring purposes, is not permitted.

Field Station, as defined in Section 2 of these rules - multiply previous score by 1.2.

COMMENT

The existing schedule of multipliers represented an attempt at recognising and rewarding "the degree of difficulty" in making contest contacts.

QUESTION 13.

Should this rule be modified, deleted or added to?

Please give reasons.

CLAUSE 14. Discussion

The ruling of the Contest Committee is final, and no discussion will be entered into.

COMMENT

The Contest Committee consists of the whole Committee of the Wellington VHF Group, excluding the members who participated in the contest activity.

QUESTION 14.

Should this rule be modified, deleted or added to?

Please give reasons.

QUESTION 15.

Are there any new clauses that should be inserted amongst the other clauses?

Please give reasons.

MAKING SUBMISSIONS

Submissions, and/or enquiries seeking clarification on the content of this document, should be sent to arrive not later than the 28th of February 2006, to:

zl2wa@clear.net.nz

or to:

The Wellington VHF Group

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