



# Headquarters - Info - Line

... a service from ...

The New Zealand Association of  
Radio Transmitters Incorporated



15 July 2001

Issue # 12

Greetings Everyone,

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

Now it's even 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 [www.nzart.org.nz](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.

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

**Headquarters new Telephone Number** - As from 1 June, NZART HQ switched to TelstraSaturn Ltd. The new telephone number you can use is 04 939 2189, new fax number 04 939 2190. The existing Telecom number 04 528 2170 and Fax 04 528 2173 is still available as the line automatically switches to the new number. This is another cost saving exercise and has proven so far to save around \$40+ per month.

**Log sheets available on Web Page** - Due to the increasing demand for an electronic world, log sheets will be available on the NZART web page in pdf format by July 20<sup>th</sup> 2001. Please refer to [www.nzart.org.nz](http://www.nzart.org.nz) for further information.

**Insurance Negotiations** - The Business Management Committee is still in negotiations with various insurance brokers for a more comprehensive cover. One of the important aspects of these negotiations, is the possibility for Branches to apply through NZART HQ for an asset cover at much cheaper rates than currently being offered to individual Branches. The proviso for this cheaper insurance premium, will be that Branches belong as members to the Association. If interested could you please send me any details regarding your Branches requirements for insurance coverage.

**Special Event - Commonwealth Games Stations.** From 25<sup>th</sup> July 2001 to 5<sup>th</sup> August 2002, 9 special event stations will be operating from the Manchester area of England. This will mark the 12 month count down to the start of the Commonwealth Games. There is an award set up for this event and an internet gateway will be available for VHF operators so that they can work the award also. For further details on list of stations can be found at [www.geocities.com/gbgames2002](http://www.geocities.com/gbgames2002)

**Special Event - Museum Ship Special Event.** July 21 2001 – 001Z to July 22 1001 – 2359Z - Work Warships, submarines, lightships and various other motor vessels from WW II and earlier. Certificates available from the sponsor USS Salem Radio Club K1USN, Quincy, MA USA. Unforgettable QSO's, with QSL cards that have a history and story to tell. More details can be found at [www.qsl.net/k1usn/event.html](http://www.qsl.net/k1usn/event.html)

### Subscriptions

A 2002 subscription invoice will be included with your July/August issue of Break In. A \$10 rebate applies if the 2002 subscription is paid by 31<sup>st</sup> October 2001.

Until next time .....

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### **From the Ministry of Economic Development:**

**New Zealand Amateur Statistics at 2 July 2001**

Repeaters 205, Beacons 42, Digi repeaters 29, Fixed 2, General 3295, Limited 1747 Limited/Novice 70, Novice 27, TV Repeaters 19. **Total 5436**

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### **Congratulations to the ZL6QH team:**

**“Amateur LF Signal Spans the Pacific” this extract from ARRL letters Vol 20, No 26 of 5 July and 27 of 6 July 2001.**

A signal transmitted on 184kHz from ZL6QH - the Wellington, New Zealand, Amateur Radio Club's Quartz Hill station - has spanned the Pacific. The transmission, part of a series of announced transpacific tests, was received on June 30 by Steve McDonald, VE7SL, of British Columbia, Canada.

A claim is made for the confirmed reception of ZL6QH by VE7SL, on 184.4kHz, over a path of 11,709km said Bob Vernall ZL2CA who organized the transpacific tests. “This is a one-way confirmation, as VE7SL does not have transmitting capability.” Vernall said that on June 30, seven New Zealand stations, including ZL6QH, and one Australian transmitted test signals in the 160-190kHz band for the transpacific tests. Amateurs in New Zealand [already] having access to that band.

Reception of weak LF signals typically is done using spectrographic software. McDonald used ARGO software to capture the ZL6QH signal and very likely that of ZL4OL, although no claim was being made for the latter. The reception occurred right around the time of sunrise in British Columbia.

ZL6QH was transmitting dual-frequency CW with two-minute elements, one frequency representing dits and the other dahs. The ZL6QH station was running approximately 100W into a long wire antenna.

Amateurs spanned the Atlantic in both directions earlier this year on 136kHz. Efforts to make it across the Pacific on LF have been under way during the winter season in the Southern Hemisphere.

The ARRL has petitioned the FCC to authorize Amateur Radio allocations at 136kHz and in the 160-190kHz band.

*Andrew Corney ZL2BBJ and Bob Vernall ZL2CA will present details of the techniques used to make this remarkable transmission in the LF Scene in your next issue of Break-In.*

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### **Did you know?**

After negotiations in 1990 between the NZART Frequency Management and Technical Advisory Group (FMTAG) and the New Zealand administration, the band 922 to 927 MHz became available to New Zealand radio amateurs.

This band didn't just happen. NZART works in the interests of all radio amateurs in New Zealand and needs the support of your continuing membership. Suggest to others that they join NZART too. See: <http://www.nzart.org.nz/nzart/join/join.html>

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**Future Activity** – International Lighthouse Weekend will be held on the 18<sup>th</sup> and 19<sup>th</sup> of August. A reminder to all who intend establishing a station in close proximity to a lighthouse for the weekend that you must notify and obtain permission from the Marine Safety Authority. A recent e-mail from MSA to the ZL6LH team suggested that this may not be happening. Plan correctly and have a great weekend.

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### **EMC Issues with the NZART EMC Officer George ZL3KD:**

A recent e-mail from Bob ZL1BAD has been passed to me for comment and action. It queries the "70cm Interloper" situation in ZL and I regret to inform that there are now a vast number of these devices which are UNLICENSED but LEGAL as they come under the Low Potential Interference Devices (LIPD's) regulations. In some countries they are known as Restricted Radiation Devices (RRD's) or Short Range Devices (SRD's).

They vary in role from the multi-channel handheld HT's sold by Dick Smith in VK land and others to remote control devices, eg garage door openers. They vary in output from 250uw to 20mw or so but we all know the distance from which low power can trigger a repeater. Another major problem is car remotely activated security systems fitted imported cars. While ZL fitted systems operate circa 300MHz,

imported units operate at 418 or 433MHz and are therefore upset by an adjacent 70cm transmission due the lack of frequency discrimination of the super-regenerative receiver used. G land has a major problem with the Trans European Trunked radio System (TETRA) which operates in the 380 to 400 and 420 to 430 MHz bands with a base station power of 25 Watts so you can guess what it does to SRD equipped systems. One TETRA base installation adjacent to a supermarket car park is causing havoc with car security systems locking up, but laugh not Kiwi's. My Mongoose equipped car has locked up twice in carparks on the main road through Tawa in Wellington and my enquiry of the AA Breakdown crews shows that while they receive a number of calls to clear "lockups" they do not ascribe them to EMC.

To help me to gather evidence of the deleterious effect of these LIPD's, RRD's or SRD's on our 70cm activities and of course our effect on them also I would be most appreciative of experiences of this problem giving descriptions of the devices interfering or interfered with and location. From this information I should be able to generate a case for relief from the problem by a change in the regulations. Don't hold your breath for results but without the core information neither me nor NZART can do anything to further our cause.

Thanks folks, I hope I get flooded with "war stories" - George ZL3KD

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### **Dates To Remember:**

- **Closing date** for copy for **Sept/Oct Break-In** is Monday 10<sup>th</sup> September
- **The Next HQ-Info-Line**, will be E-mailed on Sunday 5<sup>th</sup> August
- **NZART Official Broadcast** at 8pm Sunday 29<sup>th</sup> July

73

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