



## Headquarters - Info - Line

... a service from ...

The New Zealand Association of  
Radio Transmitters Incorporated



**3 March 2002**

**Issue # 23**

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 [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:**

**Subscription Final Reminder Notice** - the FINAL, final reminder notice for the 2002 subscription, has now been sent out.

**Voting Figures** - All Branch Secretaries will receive within the next three weeks, the names of all NZART financial members, for the purpose of Branch voting on remits.

**NZART Insurance** - Sorry folks we are still awaiting a draft proposal from the Insurance Brokers. We haven't forgotten. I would appreciate if you are able to advise at any time, if your Branch has ever had to make a claim on their insurance company for either public liability or asset cover. This will help us to determine premiums.

I have asked that the Brokers see to this urgently, as the Association's, like many of your Branches insurance is due for renewal in May of this year.

**Elections: JUST A REMINDER** – *nominate a person who you believe will assist the Association in ensuring its future.* – See I told you I won't let you forget!!!

'til next time.....

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## **NZ WARO 40th Anniversary Award - RULES**

- The Award stars **2nd March 2002** and finishes **17th March 2002**
- Contacts required with 5 different WARO members including DX, ZL6YL may be worked but is not a compulsory contact.
- Open to all YLs, OMs and Listeners.
- WARO members will be on the air most nights on the National System and 3.695MHz at 0700 UTC and on the 14.222MHz YL net.
- Cost of the AWARD is NZ \$5.00 Closing Date 30th April 2002.
- Logs to be sent to WARO Awards Manager: **Lynnette McDonald ZL1ULM, 23 John Street, PUKEKOHE 1880, NEW ZEALAND.**

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### **Contests with Stan White ZL2ST:**

The ARRL SSB contest is on this weekend through to 1pm Monday.

Next weekend March 9/10 is time for the friendly Commonwealth Contest (BERU). CW from 1000 UTC Saturday to 1000 UTC Sunday. Some reasonably rare countries appear in this contest. Give it a go and send a log in even for a handful of contacts.

See Break In for details. Other main contests coming up are:-

March 9/10 0000-2400 (Sa/Su) Worldwide Locator CW/SSB Contest

March 16/17 John Moyle Memorial Field Day (Australia)

March 16/17 0000-2400 (Sa/Su) Bermuda Worldwide CW/SSB Contest

March 16/18 0200-0200 (Sa/Mo) BARTG Spring RTTY Contest

March 16/17 1200-1200 (Sa/Su) Russian CW/SSB Contest

March 16/17 1200-1200 (Sa/Su) DARC HF SSTV Contest

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### **Did You Know?**

... that the first issue of the NZART Official Journal "Break-In" was in January 1928 and that it has been published continuously ever since – even right through World War 2? Moreover, it has been free to NZART members for all that time.

"Break-In" is the longest continuously-published radio journal (of any type) in the southern hemisphere. Commercial radio journals have come and gone, changed names, but "Break-In" is regularly received by NZART members.

This 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>

## **IARU-NEWS -World Amateur Radio Day Celebrates Amateurs' Continuing Innovation in Communication Technology**

Amid the much-publicised commercial successes and failures in the telecommunications industry it is easy to overlook the fact that radio amateurs continue to be an important source of innovation in communication technology.

A century has passed since Marconi spanned the Atlantic and excited the imagination of the first generation of amateur wireless experimenters. Amateurs were the first to discover and to exploit the remarkable properties of the ionosphere that permit worldwide communication with less power than it takes to illuminate a light bulb. They were the first to make widespread use of single-sideband voice communication to conserve power and precious radio spectrum. Amateurs applied microprocessors to data communication, popularising packet radio and developing protocols that are now in widespread use in public safety and other services.

As we enter radio's second century, amateurs continue to lead the way in numerous areas. World Amateur Radio Day, held each year on 18 April to mark the anniversary of the founding of the International Amateur Radio Union in Paris on that date in 1925, provides an opportunity to pause and reflect on these current achievements.

**Digital HF Radio:** Radio amateurs are the leading developers of new digital techniques for high-frequency (HF) data and text communication. For example, PacTOR combines the strengths of packet radio and the mode known commercially as SITOR to offer reliable and essentially error-free data communication. Disaster relief agencies have adopted it for use from remote locations where no telecommunications infrastructure is available. PSK31 is a user-friendly mode that provides live keyboard communication at low transmitter power levels when error correction is not required. An implementation of PSK31 using computer sound cards has made this the most popular digital mode for radio amateurs in less than two years. Other developers, building on the success of PSK31, are using sound cards to explore a wide range of other digital modes tailored for the challenging HF environment.

**Software Defined Radios:** Perhaps the outstanding example of a DSP radio designed for experimental use is the DSP-10, a transceiver for the 144-MHz amateur band designed by Bob Larkin, W7PUA, of Corvallis, Oregon, USA. Working with Mr. Larkin, a team of amateur software developers is refining a family of programs tailored to explore a wide range of VHF, UHF, and microwave propagation media, including moonbounce (Earth-Moon-Earth) and extended-range tropospheric scatter. These are but examples of what is happening in the 21st Century Amateur Radio Service.

The IARU is the worldwide federation of national Amateur Radio organisations representing radio amateurs in 153 countries. It is a Sector Member of the International Telecommunication Union and is the recognised representative of the Amateur and Amateur-Satellite Services at the ITU.

**From: Dave Sumner, K1ZZ**

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**The Branch Spot:** It's new, it's up to date, it's easy to navigate and it contains just about anything you could want to know about this Branch. It's the web page of Papakura Branch 65. Point your browser to: <http://www.qsl.net/zl1vk/>



***"Centre of New Zealand NZART Conference 2002"***

The venue is to be the **Tahuna Conference Centre**. Accommodation is being organised by **Nelson Tourism Services** and should be booked through them. This does not cost you anything, but it does allow us to have them help us out by providing the service at no cost either to you, or the Conference. **Nelson Tourism Services, P. O. Box 1282 Nelson**. Telephone 03 5466-338 or Fax 03 5459-227 or e-mail [conferences@nzdirect.co.nz](mailto:conferences@nzdirect.co.nz)

**Conference 2002 Travel.**

Origin Pacific New Zealand's Own Regional Airline, [www.originpacific.co.nz](http://www.originpacific.co.nz) (Telephone 0800 302 302) is supporting Nelson Conference and offering a 30% Discount on Standard fares to Conference Delegates and Partners. When booking quote reference number **2166**. (Conditions apply.) Book your Conference travel on Origin Pacific and you will automatically be in the draw for a return trip for two from your Origin Pacific airport to any destination within the Origin network.

The Registration Form for NZART Conference 2002 will be in the March/April Issue of Break-In.

For further Conference information E-mail [conference2002@nzart.org.nz](mailto:conference2002@nzart.org.nz) or write to P.O. Box 414, Nelson.

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**Dates To Remember:**

- **Closing Date for copy March/April Break-In Sunday 10<sup>th</sup> March**
- **HQ-Info-Line, will be E-mailed next on Sunday 17<sup>th</sup> March**
- **NZART Official Broadcast Sunday 31<sup>st</sup> March**
- **NZART Conference 1<sup>st</sup> & 2<sup>nd</sup> June 2002 Nelson - live the day**

73

**Jim Meachen ZL2BHF**

**Editor**