



# NZART HQ Infoline

## Issue # 445

### Dedicated to Amateur Radio in New Zealand

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**Kia ora and a happy new year to all our NZART amateur radio enthusiasts. I hope you celebrated the start of 2022 in good spirits with family and friends.**

**Now that we're well into the new year, it's good to look ahead and think about what this year may bring us. But first, a quick look back on what NZART accomplished in 2021....**

Council records the resignation of Phil Holliday ZL3PAH effective immediately as of 01.02.2022. A casual vacancy has now arisen and as per Clause 3.7 e. Council will appoint a replacement until the next election.

Members will be advised in due course.

Again COVID-19 was probably the most discussed item for everyone as we tried to eliminate it before later in the year the Delta variant arrived on our shores. Then Omicron did its thing at the end of the year.

- 2021 year being an NZART Council Election year, we almost had enough nominations to fill all the positions, but still required a Council appointment once the results were declared. NZART Council appointed Neill Ellis ZL1TAJ to the vacant position of Northern District Councillor at its August meeting.
- A new Youth Officer Brendin Graham-Ireland ZL2SB was appointed.
- The replacement of the Resource Management Act (RMA) was announced and progress on one of the new Acts namely the National Environmental Standard (NES) started in earnest. NZART prepared and submitted a written response, and also took the opportunity to give a verbal submission.
- 60 Metres was allocated for use in New Zealand this last year thanks to Bob ZL2CA.
- The NZART AGM/AREC Annual Meeting was held in Napier on Saturday 5 June 2021, without the COVID restrictions we had last year. NZART Council has made the decision to hold the NZART Conference in Wellington 2022. At the AGM NZART Council announced that Subscriptions will be increasing for the 2022 year.

- Don Wallace ZL2TLL stepped aside from the role of NZART ALO (Administration Liaison Officer) at the end of July 2021. Don has been in this role for well over twelve years and the time is right to move on. Don the role over to Stuart Watchman ZL2TW and Richard Harkett ZL2FY.
- NZART Council has appointed Phillip Sharp ZL1PSH to the position of NZART *Break-In* Editor, and Doug Beale ZL3DUG to the position of NZART *Break-In* Deputy Editor at its November meeting. NZART Council appointed Steve Davis ZL2UCX to the vacant position of NZART IARU Region 3 Disaster Manager at its November meeting.

**For 2022 expect, subject to COVID-19 the following:**

- More submissions to replacement of the Resource Management Act (RMA), namely the National Environmental Standard (NES).
- 60 Metres to be added to the GURL and no further need for a sub license.
- Access to Chorus sites for those clubs and branches with repeaters finally resolved.
- NZART Conference 2022 11-12 June, in Wellington will be a success as long as COVID-19 is controlled.

Call for Forums. The organisers are now looking for those attending conference in 2022 to start putting your names forward to run a Forum on Sunday 12 June 2022.

A total of four rooms are available, so four streams can be run at once if the interest is sufficient.

Please register early so that planning around the number of rooms can be finalised. See the Conference web site for an email link, to register your Forum - [contact@nzart-conference.nz](mailto:contact@nzart-conference.nz)

**Looking forward to the year ahead.**



NZART President  
ZL2UFI Mark Gooding




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# Contests

The 2021 Memorial Contest Results are published in the Jan/Feb Break-In.

Some logs may not appear in the results, due, we believe, to Spam filtering. We attempted to contact affected participants in late December. If your log is not there and you want to have it scored, please contact me directly [contests@nzart.org.nz](mailto:contests@nzart.org.nz)

VHF (6m and above) DX Weekend Contest is on the 12th and 13th February Jock White Field Day 26th and 27th February - branch planning should be well in hand - Stuart ZL2TW is working on a Plan B in case Omicron prevents a normal event. More details once we see how it pans out.

73 and good luck in the contest!  
Geoff ZL3GA NZART Contest Manager

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## Can you help?

I need your help!!

I wish to get in touch with Charles Rademacher, ZL1ADI, but I am not sure if he is still alive.

Can you help me please?  
Best would be an email address.  
Cheers & vy 73 Elmar, DF4GV  
Send responses to [compans@t-online.de](mailto:compans@t-online.de)



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## Cancelled!

After the recent Red-Light announcement, it is with sadness, or is it annoyance, Branch 01 had had to CANCEL EastFest.  
Please pass on to all your members.

Apologies for any inconvenience but it will be just too bleeding hard under the Red-Light restrictions.



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## ***BREAK-IN***

After fifteen years, Murray Greenman has stepped down as the columnist for the Digital Modes column in Break-In.  
I would like to thank Murray for the dedication he has shown.  
Murray's resignation means Break-In needs a new columnist.

If you would like to assume the role of columnist, please email me. I would consider having two people write the column in alternating issues. Murray will be available to mentor his replacement.

Philip ZL1PSH  
Editor, Break-In  
[zululima1psh@gmail.com](mailto:zululima1psh@gmail.com)

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## The International WSPR Beacon Group plan to provision only one WSPR Tx in ZL land at this time.....



Towards the end of last year Branch 20 of NZART, the Manawatu Amateur Radio Society (MARS) committee were presented with a member proposal to consider taking part in an initiative from the International WSPR Beacon Group based in Zurich Switzerland.

The project purpose is “To identify and visualize weak Signal Propagation paths to study global Ham Radio HF Propagation for the interested audience by collecting consistent WSPR Data from standardized beacon transmitters over an extended period of time”

The MARS committee approved the request and was followed with a request to the NZART ELG for a licence to provision a low power 5 band WSPR beacon from their repeater hut located in the Pahiatua track, East of Palmerston North. Note: because of Covid restrictions the WSPR Tx has been commissioned temporarily at the MARS Club Rooms.

The WSPR Tx is custom made by ZachTek based in Sweden was supplied to our Club by the International WSPR Beacon Group at no cost. It's a 200mW RF output 5 band 80, 40, 20, 15 and 10meters. The transmitter is controlled by Arduino Firmware which along with a built-in GPS takes care of all timing including the 5 band coordinated WSPR Band hopping transmit schedule following the WSJT-X implementation protocol. The antenna is an End Feed Half Wave.

Currently, globally there are 40 WSPR 200mW. WSPR Beacons are operational on a 24/7 bases, all are coordinated to transmit on the same band at the same time.

WSPR (pronounced “whisper”) stands for “Weak Signal Propagation Reporter.” This computer-based application is designed for sending and receiving low-power transmissions to test propagation paths on the MF and HF and VHF/UHF bands. To understand more about how your station signal is propagating around the globe in real time go to <https://WSPRnet> <http://WSPR.live> or <http://wspr.rocks/> These sites allow you to do in depth analysis in the real time of WSPR spot data including QRP operation, antenna design, propagation research etc etc.

Frequencies of the WSPR 5 band transmissions are specified in the design protocol of the well-known WSJT-X suite of applications written and developed by a team

lead by Professor Joseph Hooton Taylor – Laureate, K1JT, a Nobel Prize-winning Princeton University physicist.

The ZL2KO 200mW WSPR signal, to name just a few, has been heard in Germany, Austria, Germany, Switzerland, Austria, Luxembourg, East coast USA and Finland both on short and long path that's approx. 18,000kms on 200mW!!! Also, North & South America and Antarctica.

Future plans of International WSPR Beacon Group include establishing a global network of WSPR receiving stations.

Selwyn Cathcart, ZL2BJO – MØIHF

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**Kia ora,  
the next Infoline is due out at the end of  
February.**

**If you would like to share any events or report  
on any upcoming activities, please send these  
through to [nzart@nzart.org.nz](mailto:nzart@nzart.org.nz).**

**Nga mihi nui**

