



New Zealand Association of Radio Transmitters

ZL1AA - AUCKLAND BRANCH 02

JUNE

2016



General meeting



SATURDAY JUNE 18 @ 13:30
Memorial Contest Planning

Club Room will be open at 10:30 AM
BBQ @ 1200

P5/3Z9DX – North Korea

Dom 3Z9DX received confirmation from the North Korean government to make a return visit to P5 and operate amateur radio equipment for up to 5 days. The dates of activity are not yet known, but it will be at very short notice. Dom will be informed of dates just a few days beforehand – he will get his luggage and go.

It will be a single band operation, SSB only. Dom will update DX-World with more news as he receives it.

Dom's Dec 20 / 21 2015 operation was approved by the ARRL DXCC Desk
30 Mar 2016. P5/3Z9DX made nearly 785 SSB contacts.

SPECIAL GENERAL MEETING 16 JULY 2016

ZL1AA
Auckland Branch 02
PO Box 18003
Glen Innes
Auckland 1743

www.qsl.net/zl1aa
ZL1AA@nzart.org.nz
Skype: ZL1AA_NZ

Club Officers

President

Wes Printz, ZL3TE
ZL3TE@dxer.com
027 227-7779

Vice President

George Marr, ZL1TUJ
gmarr@ix.net.nz

Secretary

Wallace Bottomley, ZL1WAL
ZL1WAL@nzart.org.nz
(09) 575-6383

Treasurer

Wallace Bottomley, ZL1WAL
ZL1WAL@nzart.org.nz
(09) 575-6383

Elected Members

Ray Chapman, ZL1AJR
ZL1AJR@xtra.co.nz
(09) 528-5410

Gwynne Rowe, ZL1AAR
rgwynne.rowe@xtra.co.nz
(09) 528-1177

Japie Nel, ZL1JJN
jjnel@orcon.net.nz

Logan Nicoll, ZL1LMN
chillistick@gmail.com
021 0271-5660

Jeff Lowe ZL1TOU

Lyndon Thompson ZL3DWF

ZL1AA Information:

Branch 02 Clubroom is located at
400 St Johns Road
Kohimarama, Auckland
(Off the beaten track / main road)

Google Earth:
36.869730s, 174.843860e

Clubroom is open every Saturday from
1030 hrs for members and guests to drop
by for coffee and a chat! .

General meetings are held on the third
Saturday of each month at 1330 hrs (except
Dec / Jan).

Committee meetings are held on the first
Tuesday of each month at 1930 hrs. ALL
paid members are welcome to attend.

Affiliations:
10-10 International
NZART
AMSAT-ZL

Club nets:
Wednesday:
145.775 MHz @ 1930 Ray, ZL1AJR NCO
Wednesday:
3.645 MHz @ 2000 Ray, ZL1AJR NCO

10-10 Down Under Chapter Net:
28.530 MHz 2230Z Fridays
(1030 NZST Saturdays)

Branch Contacts:

Gwynne Rowe, ZL1AAR
(09)-528-1177

Branch Examiners:

Steve Miller, ZL1FS
021 0226-4981

Wallace Bottomley, ZL1WAL
(09) 575-6383
Wes Printz, ZL3TE
027 227-7779

Web Master:

Andrei Chatalov, ZL1TM
achatz@gmail.com

Librarian:

Gwynne Rowe, ZL1AAR
(09)-528-1177

Station Trustees:

George Marr, ZL1TUJ
Wes Printz, ZL3TE

Branch Technical Advisers:

Simon Watt-Wyness, ZL1SWW
sww@eagle.co.nz

SUBSCRIPTIONS

❖ Subscription Rates:

Regular \$45 (discounted with a \$5.00 raffle ticket if paid by 31st March 2014)
Youth Rate \$20

❖ Post to PO Box 18003, Glen Innes, Auckland 1743, direct credit may be made into our bank account 12-3047-0076823-00, or pay the Treasurer or Secretary at the clubrooms.

❖ A pro rata rate is offered to a new member joining part way through the year. The financial year runs from 1 December to 30 November

❖ Receipts will be distributed either in person at meetings or via mail/E-mail.

❖ Branch financial year currently runs from 1 December to 30 November.

❖ A current Membership Application / Renewal Form is required with all payments to assist with accurate record keeping. Available from the Secretary, or by download http://www.qsl.net/zl1aa/br02_mem_form.pdf

❖ All members' information is kept confidential unless approval is given for it to be released.

Newsletter material submissions are welcomed and appreciated by your editor. You may submit material in a variety of file formats: .TXT .DOC, or just plain old E-mail. Photos are accepted also. Please submit material via E-Mail to: ZL3TE@dxer.com I will use what I can with the space available at the time of newsletter editing.

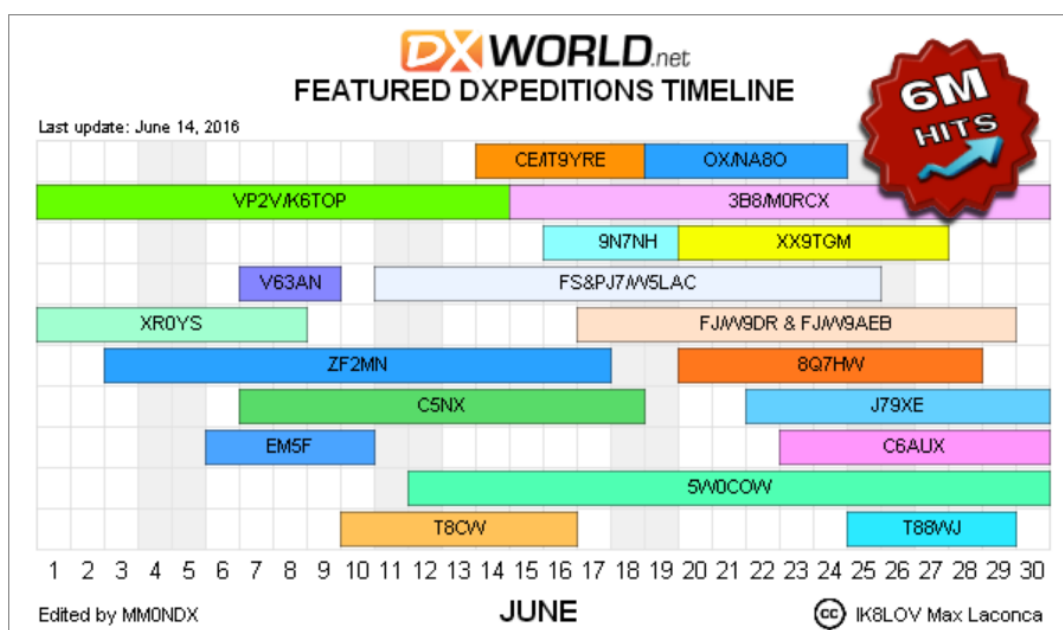
Blue Sky ahead for NZART online

NZART has started the process of reviewing the current website and we'd like to hear from members about what they want to see on their computer screens, mobile phones, smart watches and even your mobile rig if it has a screen!

There's a short four question survey and a bit of an intro at the web link below, please take five minutes to share your ideas. <http://www.nzart.org.nz/bluesky>

Drop us an email to bluesky@nzart.org.nz if you have any questions. specifically about the survey.

73, Chris
ZL3LF



Looking for something to do on the weekend? Need to fill some more DXCC Challenge slots? work new Countries, work new modes? Why not operate a short while in a contest. There are several to choose from. More Information can be found here:

<http://www.hornucopia.com/contestcal/weeklycont.php>

June 15-22

- SMIRK Contest: Jun 18 / 19
- All Asian DX Contest, CW: Jun / 19
- Ukrainian DX Classic RTTY: Jun 18 / 19
- ARR BPSK63 Contest: Jun 18 / 19
- Stew Perry Topband Challenge: Jun 18 / 19
- West Virginia QSO Party: Jun 18 / 19

June 23-30

- King of Spain Contest, SSB: Jun 25 / 26
- Ukrainian DX DIGI Contest: Jun 25 / Jun 26
- ARRL Field Day: Jun 25 / 26
- CWops Mini-CWT Test: Jun 29 / 30
- **NZART Memorial Contest: July 2 / 3**
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Every Month: NZART Official Broadcast: 3900 kHz LSB last Sunday of month at 2000hrs and at 2100hrs. (Also broadcast on the National Link and available on the NZART Website).

AUCKLAND BRANCH NZART (INC) NOTICE OF SPECIAL GENERAL MEETING FOR 16 JULY 2016

Notice is hereby given by your Committee calling a Special General Meeting on Saturday, 16th July 2016 at the clubrooms, 400 St. Johns Road, Meadowbank, at 1330 hours N Z time for the purpose of considering and passing the following proposed amendment to the Constitution of the Branch.

RESOLUTIONS TO BE PASSED AMENDING CONSTITUTION

It is hereby accepted and agreed that the financial year-end shall end at the end of the month of **October**.

Notes:

1. The word "October" replaces the word "November" in clause 18 Account and Audit of the Constitution.
 2. Hitherto, our Treasurer has usually had less than one week to finalise the financial accounts for the year.
 3. Worse, the Reviewer of the Accounts, Mrs Christine Watson, has had merely one week in which to conduct her review before the Annual General Meeting which traditionally takes place on the second Tuesday of December.
 4. These intervals are considered to be unreasonable to both the Treasurer and the Reviewer.
 5. The Committee passed this recommendation in December 2015, then announced it at the AGM.
 6. A quorum for this Special General Meeting shall be not less than seven (7) financial members present.
 7. Proxy votes are counted provided that they are in writing and in hands of the Chairman or Secretary before the commencement of the meeting.
 8. A two thirds majority is required to pass this resolution.
 9. This amendment is subject to approval by NZART and by the Registrar of Incorporated Societies.
 10. When passed the financial accounts will include transactions for only 11 months for 2016.
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OH2BH Sets 70th Anniversary "Retro-DXpedition" to Madeira Islands

Martti Laine, OH2BH, will be on the air June 20-23 as CT3BH from the Madeiras, attempting to relive "the years of the past, when it was all different." His 2016 anniversary tour will take him to many of his earlier DX haunts, while allowing operators on the other end to relive their memories as well. Laine has invited stations working CT3BH to send the password "QBH70" to put the pileup on hold and share one of their own memories.

"After CT3BH, there will be more," he said. "Dotting the world is the greatest pastime of DXers, even though returning to one's sweet home tends to beat such dotting."

His "BH-SH" (back home sweet home) award is a 14-dot mission: Each country with OH2BH operating alone and/or as part of a group during 2016 gives you 1 point, while working him at his home gives you 5 points. You need need 10 countries to qualify. Activities so far in 2016 have included CU2KG/CR2X, Z68BH/Z60A, and ZA/OH2BH.

Thanks to Martti Laine, OH2BH

Auckland Branch 02, NZART (Inc.)

Minutes of June Committee Meeting

Date / Time / Place: Tuesday 7th June at 1940 hours / Clubroom

Attendees: Jeff ZL1TOU (presiding); Wallace ZL1WAL, Japie ZL1JJN, Logan ZL1LMN, Ray ZL1AJR, and Member, Selwyn ZL1BRC by invitation.

Apologies: Wes ZL3TE, Lyndon ZL3DWF, George ZL1TUJ (pro forma)

Sustained ZL1TOU / ZL1JJN

Minutes: of the previous Committee meeting on Tuesday 3rd May 2016

Arising: Health and safety matters need urgent attention.

Accepted ZL1WAL / ZL1AJR

Correspondence In:

- Newsletters: Franklin, North Shore, Papakura (by post); Hibiscus Coast; Auckland VHF Group (by e-mail)
- Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gippsland.
- Auckland Council – Statement for May.
- Suburban Radio Society – Fancy home-made card with receipt and thanks for our donation
- NZART Info-line

Correspondence Out:

- NZART return of Branch details for the Call-Book.

Received and approved ZL1WAL / ZL1JJN

Finance:

- Finance Report and YTD budget was displayed and variances explained.
 - o Sale of junk on table top yielded \$125 thanks to Soren ZL1SKL.
 - o Outstanding subscriptions - Wallace will send invoices.

Accepted ZL1WAL / ZL1AJR

General Business:

- Reports:
- Previous General Meeting:
 - o There was no quorum (as per the Constitution requiring two Officers to be present)
 - o The President's newsletter article urging "less business / more radio" at General meetings was accepted.
 - o The remit was voted::9 for and 1 against. Logan reported that NZART Conference had also passed this remit with an amendment to delete reference to a new "digital" class of Membership.
 - o The seminar about SOTA (led by Gwynne) was well received. Logan reported that SOTA was a popular topic discussed in a seminar at Conference.
- AREC:
 - o Japie attended the monthly meeting
 - o Three hi-viz jackets were given to him (at no cost)
 - o Japie will ask George ZL1TUJ to order "AREC" signs for car doors, hopefully it will not be too late.
- Visitors: None
- Exams: None
- QSL cards: None received.
 - o Ray found a bundle of cards that had been filed in the wrong slot. He voiced his concern that without the paper logs, he cannot lookup to verify the QSO. Wes has the log books being used for data entry to LoTW.
 - o Wallace will send our list of Members to Musick Point so that they desist in sending cards that are not ours.
 - o Selwyn offered to provide addresses by looking up the Call-Book.
- Nets: Ray reported little participation on both VHF and HF nets.
- Newsletter:
 - o Newsletter was issued one day before General Meeting (twice now). Selwyn decried this problem.
 - o This month has only 11 days between Committee and General Meetings.
- Maintenance
- Meter reading: = 48306.8. Usage is now higher than logged 12 months ago.
- Steps are to be replaced – no progress
- Power outlets on South and East side of building.- no progress
- Level floor – done by Wallace ZLWAL.
- Remotely controlled station
- The subcommittee (Wes, Wallace, Logan) has not yet met to resolve:
 - o Policy about usage / Membership categories / Overseas licencees
 - o Tuition / Guidelines to operate the Station

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(June Committee Meeting Minutes Continued from page 5)

- Well meaning changes to some menus have affected its operation adversely so Logan / Paul have to reverse them.
- It was found that the 80m dipole antenna has a coax / connection problem which explains recent problems.
- Selwyn suggested that cables should be labeled and a diagram should be placed next to the station, to show how they are connected.
- A "Do not touch" sign was suggested to dissuade Clubroom users disconnecting / using the K3.
- Computers / network / phone line
- Network file sharing needs to be set up so as to access Selwyn's favourite links /files on the General Purpose PC.
- Jeff ZL1TOU demonstrated an ex Seniornet PC (with Windows 10 and 8.1) he had for sale.
- Ray ZL1AJR financed \$50 to buy the processor only.
- Logan recommended that it be put at the HF1 station; and the desktop PC put at the Secretary's corner desk.
- **Antennas:**
- Tower: With Gwynne being away for some of the winter, this project is unlikely to proceed until spring.
- Wes is testing the rotor's controller and its microprocessor to automatically direct its heading.
- The 40m dipole's north post has to be wedged / guyed to keep it upright.
- Licence to occupy:
- Health & Safety – Steve has a portion of the manual under review.
- Public Liability policy for \$2 million cover – no progress yet (until we are pushed by Auckland Council).
- Meeting with ACP to resolve ownership of building – not yet scheduled.
- **Future Events:**
- 18th June General Meeting - Saturday at 1330 hours:
 - o A General meeting becomes necessary (because meetings in March, April and May had no quorum).
 - o Selwyn wants to lead a discussion about RF noise and remedies.
 - o Logan will report (10 minutes) about the NZART Conference,
- No further suggestions were made for entertainers / speakers for future 3rd Saturday meetings.
- **Constitution :**
- Wallace suggested reversing the provision requiring two Officers to be present for a quorum at General Meetings
- Meanwhile the present Constitution will be e-mailed to Committee Members initially to consider this suggestion before the next Committee meeting.
- If recommended, a Special General Meeting will be required unless we wait for the AGM in December.
- Selwyn was allowed the floor to expound on a review of Incorporated Societies legislation, claiming to be the only person capable of drafting any changes to be made to our constitution.

Other business:

- The document camera and projector is proving to make the meeting more inclusive to attendees.
- The light above the projector screen needs to be independently switched (as it was once before).

The meeting closed at 20:55 after which supper was provided by Ray and Mrs Nicholl.

From The Chair ...

Hello again. I'm sure many of you have wondered where I have been recently. It's called Work. My day job has kept me very busy so far this year with multiple flights between Auckland and Wellington. My shortest stay was 3 Hours on the ground, then return to Auckland to finish the day. Those trips have ended, as the Client relocated to Hong Kong to finish filming. The night of the committee meeting, I was on standby to fly to Hong Kong. This was averted later that evening with the item in need of maintenance being flown to Auckland the next day. It was then hand carried back to Hong Kong by a crew member heading there on Wednesday. All in a days work for me. Not knowing sometimes where I'll be working. Makes for an interesting day.



Many thanks to those that covered in my absence. This has also affected my available time for the newsletter. There will be some items to cover in the next month. At the AGM, a motion was approved by the members to move the club's Financial End of Year forward to the end of October. This is to allow the balance sheets to be reconciled with enough time before the AGM in December. At times it could be less than one week. We will hold a Special General meeting July 16 to reflect the changes in the constitution. Please see page 4 for details.

There has been talk of doing the NZART Memorial contest from the club room again. This is a great idea, we can start making some plans to enter this year again. The dates are 2 / 3 July 0800-1100Z, with rules found here:

http://www.nzart.org.nz/assets/contests/2015/Memorial_Contest_Rules.pdf

SOTA - Be sure to register at <http://www.sotadata.org.uk/> After you register, you can enter your logs and start earning your points as either an activator or chaser.

73, Wes, ZL3TE

Auckland Branch 02, NZART (Inc.)

Minutes of May General Meeting

Date / Time / Place: Saturday 21st May at 1340 hours / Clubroom

Attendees: Gwynne ZL1AAR presiding, Wallace ZL1WAL, Ray ZL1AJR, Logan ZL1LMN, Olivier ZL1AAW, Simon ZL1SWW, Soren ZL1SKL, Bob ZL1AFU, Lyndon ZL3DWF and Selwyn ZL1BRC
as per the Attendance Book.

Apologies: Wes ZL3TE,

Sustained ZL1AAR / ZL1LMN

Welcome:

- Gwynne welcomed those attending this meeting, albeit the short notice (yesterday) that appeared in the newsletter. Without two Officers being present, this meeting does not have a quorum as defined by the Constitution. Nevertheless, the meeting will proceed, and unless objected to at the following General Meeting, any resolutions taken will stand.
- The May newsletter's article "From the Chair" was discussed in the context of a change of emphasis about the agenda for general meetings. It was confirmed that these remarks were an echo of the Committee's discussion arising from the fact that for the previous two months there had not been a quorum to hold general meetings, though Members had met for the speaker /entertainment that was scheduled. Wes reminds us that a general meeting should be "less business" - described by some Members as "boring" - and more about our hobby.

The constitution is specific about what should occur at a general meeting, so introducing a speaker is expected. Sometimes a general meeting is required to give authority where the Committee's powers are restricted by the constitution, e.g, approving finance transactions exceeding \$300. Finally, a general meeting is the proper forum for hearing Members' suggestions following reports (in the newsletter) of the Committee's activity.

It seems that the 2014 amendment to the constitution, requiring two Officers to be present, is proving to be unworkable, notwithstanding that the holding of a general meeting is optional by the Committee. Neither of these provisions should be construed as an attempt to muzzle Members.

- This meeting requires a vote by Members about the remit to be put to the NZART General Meeting and Conference to be held in Christchurch this Queen's birthday weekend.

Minutes:

- General meeting on Saturday 20th February 2016

Having been circulated, taken as read and approved ZL1LMN / ZL1WAL

Finance:

- The Finance report as presented at the Committee Meeting on 3rd May was displayed.
- Subs from 25 Members have been received. 60 NZART Members are attached to this branch.
- Occupancy and electricity cost require an additional \$800 per year.
- This has been partly offset by deferring Public Liability Insurance (\$300 p.a.) until we are pushed by Council.

Reports:

- We won the Montgomery Cup for the JWFD contest. The Cup has been engraved. An extended base will eventually be required for it to record future years' winners.

Remit:

- "That NZART should look at a digital membership with electronic Break-In in PDF format by the 2017 year."
- NZART Council has considered this remit and points out that a Members only section to the web site will be required, but it suggests that most Members will still want the printed version of Break-In because no 'reduced Membership subscription is envisioned.
- It was suggested that "Membership" was insufficiently defined and the remit may be amended at the AGM.
- No proxies have been received. Eligible NZART subscribing voters at this meeting are 10.
FOR = 9 votes AGAINST = 1 vote.

Delegate:

- Lyndon Thompson ZLDWF and Logan Nicoll ZL1LMN (both on the Committee) will be attending the Conference.
- The Committee nominates Logan Nicoll ZL1LMN, (being last year's YAOTY) as our Delegate with authority to vote with discretion on all matters that arise at the AGM.
- Should the matter of the YouTube training videos that appear on the NZART web page be discussed, Logan should point out that their quality is inadequate for purpose.

Approved ZL1AAR / ZL1WAL

(DeJune Geberal Meeting Minutes Continued on page 8)

BBQ:

- Special thanks to Gwynne for providing and cooking the BBQ.
- This part of the General Meeting concluded at 1440.

SOTA:

- Gwynne led the seminar. Articles in Break-In by Warren ZL2AJ and Andrew VK3RR were distributed.
 - The Web site www.Sota.org.UK/ was displayed. Thousands of summits throughout the world may be accessed at www.sotamaps.org/. Summits are listed by country and region, then they are overlaid on a map. Detail shown includes: Reference (eg ZL1/AK-016 Rangitoto) Activations, Points, GPS, Locator, Height, Panoramic view, and Activator's blurb.
 - Most volcanos in Auckland are under 150m of their surroundings. e.g. Mt Wellington /Maungarei 135m. Strangely One Tree Hill / Maungakeikei 185m is not shown. Don't be confused by Mt Hobson 627m which is on Great Barrier Island.
 - Gwynne showed his bin of radio gear that has to be carried (not transported) to the summit.
 - See www.Elecrafter.com KX2, designed for SOTA. It weighs 13 ounces!
 - Antennas are likely to be end-fed wire, doublet or vertical delta loops suspended by a suitable tree within 25 metres contour downhill.
 - All modes and all bands may be used.
 - See <http://k4kpk.com/content/getting-started-sota> for a useful checklist and trip plan.
 - See also good reasons to learn CW to be automatically spotted on the Reverse Beacon Network Gate, ZL2RV after posting an Alert on www.SOTAwatch.org/
 - Soren ZL1SKL spoke of <http://ww1x.com/sotagoat/> an iOS app that he has used. These show the sites that are presently active to Chasers and Short wave listeners (SWL).
 - Consider also Rucksack Radio Tool (RTT) and SOTAwatch2 for Android phones.
 - Logging may be done online with SOTAlogger after the QSO. Points are accumulated automatically throughout the year. Various awards are made according to points. For example, Andrew VK1NAM is a "Mountain Goat" having activated 100 summits in 15 Associations, and he has accumulated 10,000 points.
 - For NZ local news, see <http://zl-sota.org/>. Register to get their newsletter.
- The meeting concluded at 1500 hours.

Signal Bounced off ISS Heard Across the Atlantic:

A 2 meter signal from the UK, reflected off the structure of the International Space Station (ISS) on May 2, was heard across the Atlantic. Following 2 weeks of preparation, Tim Fern, G4LOH, in Cornwall (IO70jc), and Roger Sturtevant, VE1SKY, in Nova Scotia (FN74iu) attempted a FSK441 contact.

Both stations aimed at the calculated grid HO11nl for a 144.175 MHz contact attempt with a mutual window of less than 1 minute. VE1SKY was able to copy G4LOH at a distance of 4441 kilometers (approximately 2753 miles). This was the first signal received via ISS bounce from Europe to North America, and the first intentional signal heard via ISS reflection in any direction across the North or South Atlantic.

While two-way communication did not happen, the reception is being verified as a possible DX record for satellite reflection. Later in May, Fern, operating as GK4LOH and transmitting in CW, was received twice in the much-closer GN37 grid by VO1HP at VO1FN in Newfoundland.

In 2014, RSGB VHF Manager John Regnault, G4SWX, received <http://www.arrl.org/news/view/brendan-quest-team-s-2-meter-signal-copied-in-the-uk> a 2 meter signal from VC1T, where a team was trying to win the Brendan Trophy for the first transatlantic contact on 144 MHz. Upon investigation, it was determined that the VC1T FSK441 signal that G4SWX heard also had bounced off the ISS rather than via terrestrial propagation and would not qualify for the Brendan Trophy, offered by the Irish Radio Transmitters Society (IRTS <http://www.irts.ie/>). The Brendan Trophy will recognize the first "traditional mode" two-way contact (ie, SSB or CW) capable of being copied without machine assistance.

Source:
The ARRL Letter