



New Zealand Association of Radio Transmitters

ZL1AA - AUCKLAND BRANCH 02

OCTOBER

2016



General meeting



SATURDAY OCT 15 @ 13:30

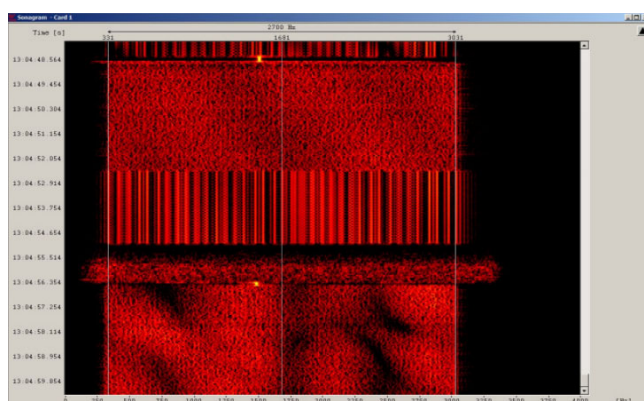
John Martin, ZL1GWE

Coordinator, NZART Monitoring Service

Club Room will be open at 10:30 AM

BBQ @ 1200

What was that strange sound?



**Have you been interfered with by an intruder?
Learn what you can do to help.**

CQWW DX SSB CONTEST OCT 29 / 30

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.

Macquarie research station to remain open



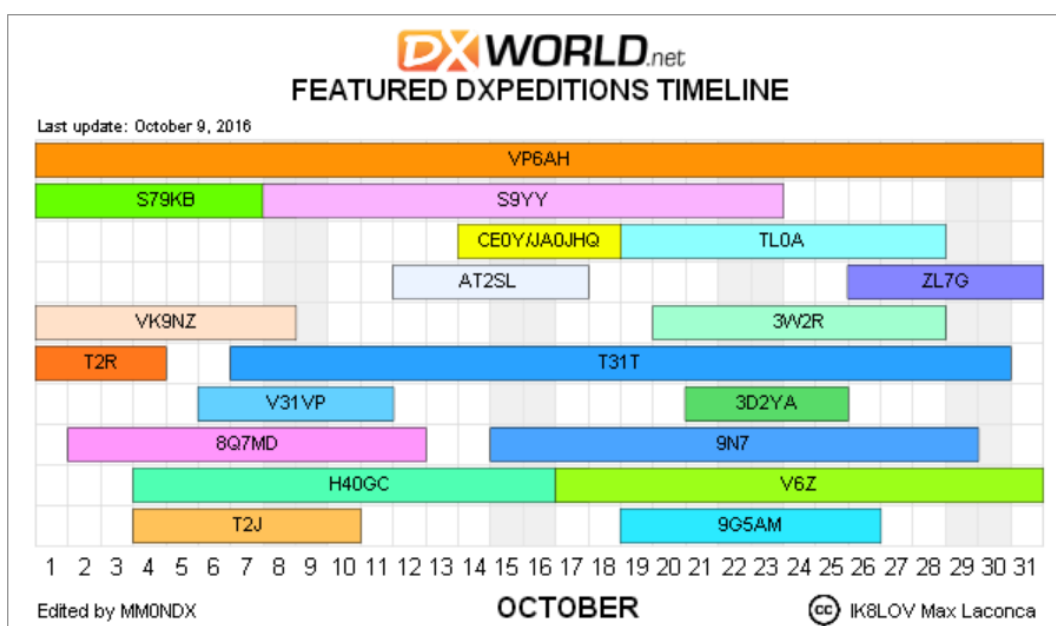
The Decision to close AAD research station on Macquarie Island Reported on last Month has been reversed.

Just over a week after it was announced that the VK0/M research station was to close in 2017, a decision by the Australian Federal Government has reversed the closure.

AFTER THREE DAYS OF OUTCRY FROM THE SCIENTIFIC COMMUNITY AND STATE AND FEDERAL POLITICIANS, FEDERAL ENVIRONMENT AND ENERGY MINISTER JOSH FRYDENBERG SAID THE 68-YEAR-OLD STATION WOULD CONTINUE YEAR-ROUND OPERATIONS.

Full Story Here: (Copy / Paste Link)

<http://www.themercury.com.au/news/tasmania/decision-to-close-aad-research-station-on-macquarie-island-reversed/news-story/f4c461a85a5857b90e70375abc84d397>



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>

Oct 10-17

- JARTS WW RTTY Contest: Oct 15 / 16
- 10-10 Int. Fall CW: Oct 15 / 16
- New York QSO Party: Oct 15
- Iowa QSO Party: Oct 15
- Worked All Germany: Oct 15 / 16
- South Dakota QSO Party: Oct 15 / 16

Oct 17-29

- ARRL School Club Roundup: Oct 17 / 21
- ARRL EME Contest: Oct 22 / 23
- UK/EI DX Contest, SSB: Oct 22 / 23
- Stew Perry Topband Challenge: Oct 22 / 23
- **CQ Worldwide DX Contest, SSB: Oct 29 / 30**
- NZART Straight Key Night: Nov 5

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 02, NZART (Inc.) Minutes of General Meeting

Date / Time / Place: Saturday 17th September at 1445 hours / Clubroom

Attendees: Wes ZL3TE (presiding), Wallace ZL1WAL, Ray ZL1AJR, Logan ZL1LMN, Olivier ZL1AAW, Lyndon ZL3DWF, Steve ZL1FS, Soren ZL1SKL, Jim ZL1TGS, Gwynne ZL1AAR, Bob ZL1AFU, Simon ZL1SWW, Selwyn ZL1BRC **Guests:** Hannes ZL1LW and Marcel ZL1ME as per Attendance Book.

Apologies: Japie, ZL1JJN, George ZL1TUJ (pro forma)

Sustained ZL1WAL / ZL1AJR

Minutes:

- General meeting on Saturday 16th July 2016 Having been circulated, was taken as read and accepted
ZL1WAL / ZL1LMN
- Special General Meeting 16th Jul 2016 Having been circulated, was taken as read and accepted.
ZL1WAL / ZL1AJR

Finance:

- The Finance report as presented at the Committee Meeting on 6th September was tabled.
Accepted ZL1WAL / ZL2RED

Auckland Unitary Plan:

- The final plan has been announced (but yet requires acceptance by Auckland Council). It contains good news for Amateurs who in suburban areas are permitted:
 - o Multiple poles
 - o Main pole with diameter 800mm, height up to 10.6 metres;
 - o and with diameter < 102mm up to 18mtres in height.
 - o Rural areas are allowed an additional 5 metres.

Memorial Contest

- Wes ZL3TE reported the Branch activity taking part in the Memorial Contest on the evenings of 2-3 July, participated by Wes, Ray, Wallace and Olivier. We are looking forward to see the final results.

Other Business:

This meeting concluded at 1500 hours.

Noon

- BBQ courtesy of Gwynne ZL1AAR:

1330 hours;

- Presentation and demonstration of Mesh networks by Hannes, ZL1LW

Western Suburbs Radio Club Sale

Saturday 5 Nov, 2016
Rosebank Primary School
217 Rosebank Road
Avondale

GPS: S 36.8891709 E 174.6844197

Doors open to Vendors @ 0800
Sellers tables 10.00 Each

Doors open to Buyers @ 0900
\$2.00 Entry Fee for ALL Visitors

For table bookings Contact:
Merve, ZL1SK 09 828 7174
m.r.thomas@vodafone.co.nz

ICOM NZ has Donated an IC-2300 FM Transceiver.
The IC-2300 Will be a raffle Prize.
Tickets \$2.00 or 3 for \$5.00

Asia Pacific
DX Convention **2016**
<http://apdxc.org> **November 11 - 13**

We are pleased to announce that the 6th Asia Pacific DX Convention will be held at Osaka International House in Osaka, Japan on November 11 through 13, 2016. The program details will be announced on this website as they become available. Please check back often for updates on APDXC 2016. Photos and presentation videos from the 2005, 2008, 2010, 2012 and 2014 APDXCs are also on the website. Take a look and see how a great time was had by all at the previous conventions. We are looking forward to welcoming you at APDXC 2016.

<http://www.apdxc.org/>

Auckland Branch 02, NZART (Inc.) Minutes of October Committee Meeting

Place / Date / Time: Clubroom, Tuesday, 6th September at 1930 hours

Attendees: Wes ZL3TE (presiding); Wallace ZL1WAL, Jeff ZL1TOU, Ray ZL1AJR, Japie ZL1JJN, Gwynne ZL1AAR, Lyndon ZL3DWF, and Soren ZL1SKL, Olivier ZL1AAW and Steve ZL1FS.

Apologies: George ZL1TUJ, Logan ZL1LMN

Minutes: of the previous Committee meeting on Tuesday 4th October 2016

Approved ZL1WAL / ZL1DWF

Correspondence In:

- Newsletters: Franklin, North Shore, Papakura (by post); Hibiscus Coast; Auckland VHF Group (by e-mail)
- Branch reflector of Newsletters from North Canterbury, Hastings / Napier, Rotorua, Hamilton, Gippsland.
- Douglas Birt – Unitary plan ambiguities open to interpretation by planners.
- Allan Hobbs asking permission to buy PLL kits for 80m ARDF foxes.
- Selwyn observing that ZL4JAD has requested registration to our Remote station, suggesting a need to define our membership policy.
- Auckland Orienteering – Dates for events for their Summer Navigation series.
- Western Branch announcing their Sale on 5th Nov. at Rosebank Primary School. Sellers admitted at 8 am.

Correspondence Out:

- Vodafone – Complaint about their lack of service to process Direct Debit authority and Acct. name change.
- Allan Hobbs – authorizing purchase (\$35.00) of PLL kits. Received and approved ZL1WAL / ZL1AJY

Finance:

- Finance Report – year ends 31st October – as was circulated with the Agenda. Received ZL1WAL / ZL1JJN
- Profit (\$600) is offset by accrued debt to Ross Higgins, Greens Keeper, who has not billed us this year.
- Some of the Assets on the Balance Sheet have been written off. Copier and PCs that have been dumped.
- Steve provided revaluations of others.
- Subs outstanding by 10 Members (that usually pay).
- Payments requiring authorization:
 - o NZART Subscription 2017 \$80
 - o Higgins Lawns \$600 (not yet billed).
 - o Allan Hobbs PLL kits \$35 (pending receipt) Approved ZL1WAL / ZL1AJR

General Business:

- Reports: (This heading includes a repository of all matters that have not progressed since their introduction)
- Review of previous 3rd Saturday: Hannes ZL1LW addressed and demonstrated “Mesh”. Simon ZL1SWW assisted by setting up another node at the back of the room.
- AREC:
 - o Photo ID badges and annual training accreditation is required by participants at any emergency
 - o Santa Parade volunteers – none yet. Contact Japie
- Visitors: Chris Smith
- Exams: None, but two are expected to sit soon.
- QSL: Many cards are for ZL1AIH. The ZL1 Bureau needs to be informed not to send them to us.
- Nets:
- Contests:
 - o Memorial results of mixed phone and CW, (out of nine participants):
1st - ZL2AUA 2nd - ZL1XH 3rd - ZL1AA
 - o Oceania DX CW next weekend
- Newsletter:
- Computers / network / phone line
 - o PC at Secretary's corner desk needs Lan address to facilitate file sharing.
 - o Consider means to reduce costs of internet, \$900 p.a.
 - o Mesh node capital cost (~\$150) plus share of a Member's ISP cost.
- Meter reading: 48765.1
- Maintenance
- Steps: Steve outline work required to be done, but he will not be available in the next two months.
- Power outlets on South and East side of building - ditto.
- Projector mounted on Ceiling – work in progress by Steve ZL1FS. A melteca board is required.
- Wallace has started cutting down the wattle trees on the south boundary that are touching the 80m dipole.
- HF2 operating position is now accessible thanks to Soren ZL1SKL, Jim ZL1TGS and Lyndon ZL3DWF.
- After this meeting, junk on the table will be selected to go to the Western Sale in November.

(October Committee Meeting Minutes Continued on page 6)

- Remotely controlled station
- Subcommittee has not met yet:
 - o Policy about usage / Membership categories.
 - o Overseas licencees
 - o Contesting Guidelines to operate Station
- Logan can use LogMeIn to access the server should any adjustment be needed.

- Antennas:
- Tower: Wes is testing rotor and controller and microprocessor
- Occupancy:
- Clubroom manual is adequate. Since we are not employers, the Health and Safety Act does not apply to us.
- Meeting with ACP to resolve ownership of building – not yet scheduled.

- Future Events:
 - o 15th October General Meeting; John Martin ZL1GWE has confirmed to talk about Intruder Monitoring Service
 - o Gwynne will be away this day, therefore the BBQ needs an alternative organizer.
 - o 15-16th October JOTA - organized by North Short Branch. Soren advised that our 80m ARDF gear will not be required.
 - o Suggestions for entertainers / speakers for general meetings 2017?

- Other business:
- Lawns are becoming a paddock, though Steve has been mowing them. Steve could ask the Pony Club to borrow their tractor and mower; meanwhile Wallace will contact Ross Higgins to clarify his commitment and our debt to him.
- Logging: Programs discussed included: N1MM, Logger32, HRD.

The meeting closed at 20:55 with supper provided by Ray ZL1AJR

From The Chair ...

The proverbial "Contest Season" is Upon us. With the Big 3, CQWW DX RTTY, SSB, CW the last weekends of Sep., Oct., Nov. SSB is coming in Oct. This is an excellent opportunity to work a lot of good DX, and fill some of those needed band slots on SSB.

The Oceania DX Contests (SSB/CW) have come and gone. I had plans for the SSB operation from the Club room, But those plans fell apart due to other commitments. I did manage about 20 Contacts with Dismal Conditions. The CW side saw better propagation, with almost 300 Qs in my log. 10M even opened for a short while.



Congratulations on the winners of the NZART Memorial Contest. A small group put ZL1AA on the air, which brought us 3rd.

I had a surprise QSO which ended up in a quick trip to the Auckland International terminal the next day. I had a short QSO with Ken, JA2FJP who is currently on a South Pacific Tour with Nob, JF2MBF. They were on their last day as E6AC in Niue, scheduled to come to Auckland for one night then off to Tuvalu for their T2J operation. I met Ken and Nob at the Airport, went for dinner. many DX stories we told. After their T2J Operation they will operate from Fiji as 3D2GG. I was able to offer them some good information as they are booked in the same QTH as I operated from this year as 3D2SE. Advised them which room to request, as it has the best location for installing antennas, and near the high tide line. I will also visit them in Japan soon.

I would like to thank those that put in an effort to get the club room cleaned up. It's looking fantastic. The back table has again become a collection point for odd and ends. After the committee meeting, we dug in and sorted the table out. Junk and items to be offered for sale at the Western Suburbs Pre-Loved equipment sale. If you would like to donate towards the sale, please drop it off at the club room by Saturday 29 Oct, or bring it to the sale on Nov 5.

Be sure to attend on Saturday the 15th. John, ZL1GWE will share with us his vast knowledge about Intruders on the bands. Who, What and Where, and how to identify them. He will have audio samples, Visual samples, with information on how we can help the Monitoring Service.

73, Wes, ZL3TE

Auckland Unitary Plan Update

24 September 2016

NOTE: This paper deals with some highly technical matters. I have tried my best to simplify what is written, but I don't recommend that you read it if you are not feeling sharp!

In the 28 July 2016 Unitary Plan Update, I mentioned that we had achieved some very significant "Permitted" conditions in the Unitary Plan, and that there was nothing more we could do unless someone could identify a point of law that had been breached. I did have some searching dialogue with our solicitors, and although we agreed that the Amateur Radio Configurations in the Plan were very poorly worded and contained ambiguities, this was merely poor drafting, and not a point of law, so NZART did not make an appeal by the closing date of 16 September 2016.

Regrettably one concession that the Unitary Plan DID NOT GIVE was any specific relaxation of the Height in Relation to Boundary rule. That rule says that the height on any lot had to be no higher than 2.5m on the boundary, rising an additional one metre for every metre inside the boundary. Thus a 10.5 metre mast had to be at least 8 metres from the boundary, and a 15 metre high mast would have to be 12.5 metres inside the boundary. It is not clear whether this is relaxed at all as a result of the "plus 1/3rd" of the maximum permitted activity height" in the Definition of Height.

Ambiguities

In discussion with the solicitors, one of the ambiguities we identified was:

- a) The Definitions of Height basically says: *Height rules or standards are always a maximum* << i.e. Zone height being 8 metres for Residential, 9 metres for Productive Rural >> *unless otherwise stated in a rule or standard. Excludes:*
 - And the exclusion that interests amateurs is
 - (4) *flagpoles, masts, lighting poles, aerials or antennas that do not exceed: (a) one third of the maximum permitted activity height for the site; or (b) 300mm in diameter*
- b) The Rules for ARCs state
 - (b) *a maximum of one supporting structure greater than 102mm. The maximum height of the supporting structure shall be the relevant building height. The maximum horizontal diameter of the pole or supporting structure is 800mm. The minimum setback from any boundary is 1.5m. Any guys used to support the pole must not exceed 10mm in diameter;*

Despite these two statements, there is still a question. What are amateurs actually "Permitted" to have? The point at issue is that nowhere in the Plan does it define whether the Rules supersede the Definitions, or vice versa, or do they both apply?

One interpretation could be that structures could be up to 800mm horizontal diameter at the bottom, reducing to 300 mm at the defined zone height, and a further 1/3rd of zone height at 300mm diameter or less. **But Resource Consent Planners might interpret this differently.**

Another ambiguity applied to the ARC Rule:

- (25) *Amateur radio configuration activities must comply with the following standards:*
 - (d) *the maximum height of antennas mounted on buildings using a supporting structure less than 102mm diameter shall be 18m in the residential zones, and 18m or the relevant permitted or actual building height plus 5m (whichever is greatest) in all other zones;*

What does "mounted on buildings" actually mean? The Building Act 2004 under the heading "Meaning of Building" in Section 8, includes in clause (1) (b) (iv) *a mast pole or a telecommunications aerial that is on, or forms part of, a building and that is more than 7 metres in height above its point of attachment or base support (except a dish aerial that is less than 2m wide):* In other words, any mast or pole greater than 7m in height **is a building.**

What does all this mean?

The consensus of the legal people whom I spoke to was that if you already had a legally installed pole or mast or ARC in your garden, you could now attach a pole of up to 102mm diameter to it up to a total height of 18m without a resource consent. (You would, however, require a Building Consent if it went higher than 7 metres above its point of attachment.) **Once again Resource Consent Planners might interpret this differently.**

(Auckland Unitary Plan Update continued on page 8)

Overall Recommendation

If you are planning to put up the simplest of structures (such as a vhf aerial and rotator on a short 102mm diameter pole), there should not be any problem.

If, however, you are planning any sort of large structure which needs a Building Consent, then because of the ambiguity in the above rules you could end up in an argument with Resource Planners about what is permitted, and what requires a Resource Consent. (See the type of argument I got into, which was published in the May/June 2016 issue of Break In).

Under the Unitary Plan schedule of charges, the cost of a Resource Consent could start at \$2,300, could rise to 2 to 5 times that price – and at the end if it you might not get the consent.

The recommendation from our Legal Advisors is that if you get challenged over the interpretation of the Unitary Plan rules, you should seek support from a Lawyer. In the long run it will be cheaper than a Resource Consent, and is more likely to result in success.

*Douglas Birt,
ZL1BFS
Local Government Liaison Officer*

RULES NZART STRAIGHT KEY NIGHT

Updated 2011-10-03

Polish and lubricate that old morse key and enjoy an evening of old time radio fun. An activity night in which everyone can be a winner with a certificate to prove it.

When: First Sunday in November 2000-2200 NZST in two one-hour periods

Band: 80 m (3.5 MHz) only

Mode: CW sent with **STRAIGHT KEY** ie characters formed manually, no system of automatic dots, dashes or spacing permitted.

Divisions:

1. Vintage QRP,
2. Vintage QRO,
3. Open QRP, and
4. Open QRO.

Explanation: Vintage receivers and transmitters or transceivers using valves, no solid-state devices in the signal line permitted. QRP: 5 watts or less rf output.

Exchange:

1. RST
2. QTH,
3. Operator's name (one word),
4. Key used (e.g. ZC1, P&T),
5. TX type (eg ZC1, FT1000,homebrew),
6. TX power (watts).

Except for DX stations (ie non ZL mainland) only RST, operators name, and QTH need be exchanged.

Scoring: ONE Point per QSO.

Stations may be worked once in each one-hour period, CW to CW only. All stations submitting logs **MUST** use a straight key throughout, but straight key stations may QSO stations using bugs, electronic keyers or keyboards.

Multipliers:

1. Vintage QRP multiply total points by 2,
2. Open QRP multiply total points by 1.5,
3. Vintage QRO multiply total points by 1.2
4. Open QRO multiply total points by 1.

Logs: Suggest using standard NZART log pages (not contest log sheets).

Each log QSO entry to show of station worked:

1. Time (NZST or Z)
2. Callsign
3. RST
4. QTH
5. Name
6. Key type
7. Tx type
8. Tx power

Calculate total score then multiply by the appropriate multiplier to give total score claimed.

Logs to have associated data sheet giving entrant's:

1. Name
2. Callsign
3. QTH
4. Age (optional)

Full description of equipment used including:

5. Key
6. Tx/Rx
7. Tx power
8. Antenna

Log Submission:

Send logs by mail by 30 November to:

Ken McCormack, ZL1AIH
181 Ararimu Valley Road
RD 2
Waimauku 0882

or Email: zl1aih@xtra.co.nz

All (including DX stations) who send a log will receive a certificate. Special certificates to top three in each division. Annotated certificates e.g. Best ZC1, Youngest/oldest op, etc., at manager's discretion.

Any photos of operators and/or equipment gratefully received.

Memorial Contest 2016 - Results

Callsign	QSO Phone	QSO CW	Points	Prefixes	Score
Mixed Phone & CW:					
ZL2AUA	89	86	261	14	3654
ZL1XH	94	87	268	13	3484
ZL1AA	90	85	260	13	3380
ZL3VZ	74	80	234	14	3276
ZL2AYB	72	78	228	11	2508
ZL2KZ	53	66	185	10	1850
ZL2AUB	66	56	178	8	1424
ZL1VD	36	46	128	10	1280
ZL4IM	42	34	110	9	990
Phone Only:					
ZL1HZ	104		104	9	936
ZL2BGE	71		71	5	355
CW Only:					
ZL2AGY		91	182	6	1092
ZL1BWG		69	138	5	690
ZL2JU		53	106	4	424
ZL1WI		48	96	4	384
ZL1DCO		39	78	4	312
Check Log:					
ZL2GVA					

Activity Summary:

Stations Active

ZL Phone only	26
ZL CW only	16
ZL Phone & CW	12
Total ZL	54
VK SSB only	34
VK CW only	2
Total VK	36

Logs Received

Phone only	2
CW only	5
Mixed Phone & CW	9
Check	1
Total ZL	17