



New Zealand Association of Radio Transmitters

ZL1AA - AUCKLAND BRANCH 02

OCTOBER

2014

☞ GENERAL MEETING ☞

**SATURDAY OCT. 18 @ 13:30 Hrs
BBQ at 12:00**

**Last Minute change
Club Room will be open at 10:30 AM**

**At the last minute, there was a program change
which the scheduled speaker had to cancel due to
unforeseen circumstances**

My apologies for the lateness of the newsletter. There was a Meeting notice sent, by the Secretary which did not reach all members in time. Also, a last minute program change.

Personal work commitments and travel had to take priority over the newsletter. I also had some issue with content received. Please see page 2 for acceptable formats I can work with. A lot of time is spent converting and re-formatting.

Thank you for your understanding - **This still is a HOBBY!!**
VRY 73, Wes, ZL3TE

NOTICE: Don't miss the CQWW SSB Contest

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

George Marr, ZL1TUJ
gmarr@ix.net.nz

Vice President

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

Secretary

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

Treasurer

Wallace Bottomley, ZL1WAL
ZL1WAL@nzart.org.nz
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Elected Members

Ray Chapman, ZL1AJR
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(09) 528-5410

Gwynne Rowe, ZL1AAR
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(09) 528-1177

Japie Nel, ZL1JJN
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Logan Nicoll, ZL1LMN
chillistick@gmail.com
021 0271-5660

Steve Miller, ZL1FS
Dion4cy@gmail.com
021 0226-4981

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:
Monday:
3.645 MHz @ 2000 Ray, ZL1AJR NCO
Thursday:
145.775 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
Steve Miller, ZL1FS
021 0226-4981

Branch Examiners:

Steve Miller, ZL1FS
021 0226-4981

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Web Master:

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Librarian:

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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.

Auckland Unitary Plan Update

The Submission Status

There is very little additional information since the Updates dated 6 August 2014 (and subsequently on 3 September 2014). The formal statics are, however, interesting.

The Auckland Council has published a "Further Submissions Report" in its website, which reports on the support or opposition of every clause of every further submitter. With respect to NZART's submission (No 4498) there were 133 submitters in support, and two who opposed.

The Further Submission Report for submission 4498 alone provides 114 pages with approximately 25 lines of submission data on each page, (in support or opposition), amounting to 3163 actual submission points of which all but a dozen were in support.

The Clasen Submission No 5219.

Hartwig Clasen had put in an original submission specifically limiting most aspects of amateur activity. In the "Further Submission Report" there are 133 lines of Further Submission data, of which 131 are in opposition to what Clasen requests, and two (from the same person) are in support. It appears that in all 66 Amateurs put in further submissions opposing Clasen.

Opposition to NZART's Submission.

Of the two who opposed NZART's submission:

- i) One is from Russell McVeagh Lawyers, representing Transpower. It appears they want a better definition of Masts.
- ii) The other was from K Vernon, who opposed the whole of the NZART Submission 4498.

Key Topics in Detail.

On Auckland Council's website, Amateur Radio does not seem to appear in the list of Key Topics. Nor does Amateur Radio appear in the list of "Decisions Sought" in relation to Auckland Wide provisions.

What happens next?

When the Hearings Panel gets around to dealing with our submission (which is probably a low priority as it does not feature in the above paragraph) we will be notified of a pre-hearing session and an in-person Hearings date. At that stage three persons will represent NZART: they are members of the steering committee; Vaughan Henderson ZL1VH, Peter Loveridge ZL1UKG, and Douglas Birt ZL1BFS.

Douglas Birt ZL1BFS
NZART Local Government Liaison Officer
kdbirt@gisborne.net.nz
Mobile 027 492 5189

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 16-24

- JARTS WW RTTY Contest: Oct 18/19
- 10-10 Int. Fall Contest, CW: Oct 18/19
- Iowa QSO Party: 1400Z-2300Z, Oct 18
- Stew Perry Topband Challenge: Oct 18/19
- Worked All Germany Contest: Oct 18/19
- ARRL School Club Roundup: Oct 20-24

Oct 24-31

- NCCC RTTY Sprint: Oct 24
- NCCC Sprint: Oct 24
- CQ Worldwide DX Contest, SSB: Oct 25/26
- CWops Mini-CWT Test: Oct 29/30
- NCCC RTTY Sprint: Oct 31
- NCCC Sprint: Oct 31

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).

Equipment for sale



Scanner receiver

Regency Electronics Inc. Model HX2000E

It is suitable for Marine, Aircraft and the Amateur Radio bands. Frequencies: 60-89 MHz; 118-174 MHz; 436-525 MHz. AM and FM modes; Powered by 4 x AA batteries and it has sockets for a charger and a 6v DC source. This is in working order and may be seen at ZL1AA Auckland Branch Radio Club.



Communications Receiver

Yaesu Model FRG-7

It covers all HF bands from 500 KHz to 30 MHz. Selling as is; it needs some TLC, especially contact cleaner. This receiver is in fair condition but we suggest that you get the mods that are still obtainable, so as to bring it up to date; for information, see:

<http://www.monitor.co.uk/radio-mods/frg-7/frg-7.htm> Read the reviews written by HAMS who are still using this old radio.
<http://www.eham.net/reviews/detail/979>



Signal Generator

Heathkit Laboratory Generator Model LG-1

Ranges: 100- 280 Kc; 280-1000 Kc; 1- 9 Mc; 9-30 Mc

This is in good looking condition (a collector's item).



Signal Generator

Heathkit Signal Generator Model IG 42

Ranges: 100- 280 Kc; 280-1000 Kc; 1- 9 Mc; 9-30 Mc

This is in good looking condition (a collector's item).

This is only cosmetically different to the LG-1 model.



Signal Generator

Leader Model LSG 231

FM Stereo Signal Generator

This has not been tested; it is being sold "as is".



Parallel Port Breakout box

A breakout box is an indispensable tool for debugging cabling problems.

LEDs associated with each "interesting" pin, show when the pin is active.

Parallel ports, being faster than serial ports, can be used in CNC systems.

See Guide at <http://www.blakerobertson.com/parallel-port-programming/>



Function Power Meter

Trio Audio Model VT-106 (solid state)

High sensitivity and large measurement range:

1mV FSD - 300V FSD (in 12 ranges)

This Milli-volt meter can read the very low signal level of a microphone.

Tested OK. Large easy to read meter in good condition, though the red scale is faded.

The Service Manual is freely available to download.

The unit weighs approx 2Kg. Dimensions: 22cm high, 14cm wide, 20cm deep.

Inter– Branch ARDF Competition

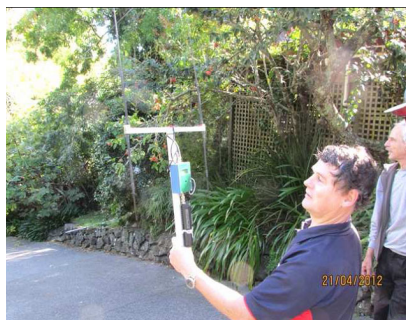
15th November 2014 / Cornwall Park

Start times are at five minute intervals from 1300 hours.



There will be five 2 metre foxes hiding; you will have a time limit of one hour in which to find them. Taking into account the ages of our previously successful competitors, we require the over 65 year olds to find only four of these foxes. We will not make you climb to the top of One Tree Hill.

Bring the family and a picnic; we shall fire up the BBQ. There are lambs to see, gardens to admire and views to behold. We have maps, but bring a clipboard and biro.

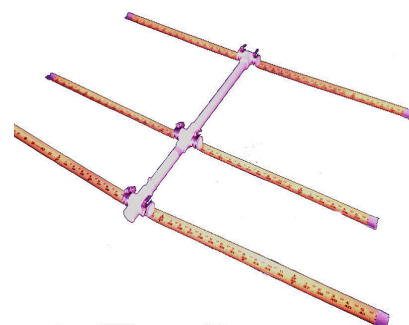


I am told to expect an team from the Waikato. Welcome. This is a good opportunity to meet other Amateurs in an atmosphere of fellowship and keen competition. You may have home made rigs to show off and strategies to compare after you have completed the course.

Last month's newsletter explained "What to expect". You may want to read it again by turning to page 7 of this newsletter. Read the tip about triangulation - the best way to locate the foxes.



Regrettably, our Easter event this year had to be called off when the bomb squad was summoned to deal to this alarming looking 2m fox, housed in a war surplus ammunition box and found to be ticking inside. We have since painted over the "high explosive" warning message.



To see a 6 minute Youtube explanation about ARDF, watch www.youtube.com/watch?v=UPLWCc_rDqk

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

Date / Time / Place: Tuesday 7th October / 1950 hours / Clubroom

Attendees: George ZL1TUJ (presiding), Wallace ZL1WAL, Japie ZL1JJN, Logan ZL1LMN, and Mr Peter Nicoll.

Apologies: Gwynne ZL1AAR; Wes ZL3TE.

Sustained ZL1WAL / ZL1JJN

Minutes: previous Committee meeting on Tuesday 2nd September 2014.

Approved / ZL1WAL / ZL1JJN

Correspondence In:

- Newsletters: Franklin, North Shore (by post); Hibiscus Coast; Auckland VHF Group (by e-mail).
- NZART: Break-in magazine.
- NZART: Membership status of ZL1BRC.
- Auckland Council: They want us to obtain a monthly licence until the land is required by Auckland Council. They want us to begin paying for electricity. The May invoice to "The Laundry" at 400 St John's Road, showed 2,295 units used costing \$517.17.

Arising:

- o Electricity meter readings recorded in 2012 showed 1452 units used over 6 months (being one tenth of the usage mentioned above).
- o A letter dated 1981 to Civil Defence of Auckland City Council was read out. At that time, the adjacent Civil Defence building had been burnt down and was demolished. The building of a kitchen annex to the clubroom, and the supply of phone, water, and electricity thereafter were provided by CD to reinstate the services negotiated between NZART and CD in 1971. Peter Nicoll will review the file of correspondence and he will make enquires before advising the Committee about how to reply to Auckland Council's letter.
- o The wider subject of the role of AREC and of this Branch's relevance was canvassed. At last year's CD exercise on 26 September, of 10 check-ins made nationally, our Branch Members made 5 of these.

Correspondence Out:

- NZART: HQ enquiring about Membership.

Received and approved ZL1TUJ / ZL1AJR

Finance:

- Finance Report:
- o The Finance Report was distributed by email.
- o Steve donated \$100

Received ZL1WAL / ZL1TUJ

Progress reports:

- **Maintenance:** The red "Maintenance" book should be used for items requiring maintenance.
- **Antennas:**
 - o Four green bamboo poles were fetched by Wallace and Logan.
 - o Tower: Steve will be asked to tow a hoist from Hire Pool.
 - o 40 m antenna – The north end pole has been heightened with bamboo.
 - o Satellite antenna base – No progress.
- Computers / network: Selwyn's donated PC for general use has his favourites of useful Ham information which he will explain. This PC hosts the printer.
- Remotely controlled station:
 - o This has remained switched off since the power cut.
 - o No report yet from NZART /RSM discussion about overseas membership.
- QSL cards - George has DX envelopes which Wallace will send with our Members list to ZL1.
- ARDF. George has the camouflage paint and he will paint the 2m ammunition boxes this week because they are required by North Shore Branch for JOTA at Camp Maynard on 18th October. Vaughan has the fifth fox that needs maintenance / aligning.

Future events:

- 18th October. General Meeting. Dr Gary Bold has agreed to speak on a "Surprise" topic. BBQ at noon. George will promote this on the VHF ZL1BQ net each Sunday at 2015 hours
- 18-19 October. JOTA week-end. Wallace will not be available at Camp Maynard, but he will advise Malcolm ZL1MIT of North Shore to pickup four 2m foxes this weekend (after they have been painted).
- 15th November: Inter-branch ARDF Competition at Cornwall Park. Start 1 pm. Bring a picnic.
- 9th December: AGM at 1930 hours Tuesday.

The meeting closed at 2100 hours.



The Fox hunting page

Amateur radio Direction Finding

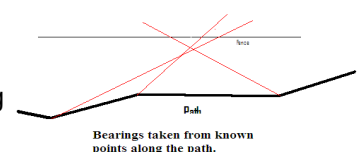
by Wallace, ZL1WAL



Interbranch ARDF Hunt Cornwall Park 15 Nov. 2014

- The start point will be the Archery Club car park @ 1300 Saturday 15 November 2014
- There will be five foxes hiding (hi hi). Over 65 year olds need find only 4 foxes
- You will need a map, pencil and \$10 (it covers cost of batteries) to buy a "control card" on which you write name, branch, call-sign and age. Please write this detail twice because we shall be keeping half of this card.
- Competitors start individually at 5 minute intervals. When you are ready, present your control card to the Starter who will write your start time (in unique ink) onto your control card; he will keep half of it to know who is still out.
- Even if you abandon the course, you must hand in the control card otherwise we will think that you are lost and we may send out a search party.
- Each fox broadcasts its identity in slow Morse code (on 144.700 MHz) for one minute each. That is, each fox is silent for four minutes until its turn to transmit again. The Morse codes are:
 - MOE** sounds like "dah dah dah dah dit" (listen for 1 dit)
 - MOI** sounds like "dah dah dah dah dit dit" (listen for 2 dits)
 - MOS** sounds like "dah dah dah dah dit dit dit" (listen for 3 dits)
 - MOH** sounds like "dah dah dah dah dit dit dit dit" (listen for 4 dits)
 - MO5** sounds like "dah dah dah dah dit dit dit dit dit" (listen for 5 dits)
- Each fox appears at eye level, as an orange and white prism-shaped flag near the transmitter. Beneath the flag is a clipper / punch which you use to impress a pattern onto your control card thus proving that you visited it, and thus scoring 20 points for each fox visited.
- Time allowed is 1 hour.** One point will be deducted for each minute late in returning. As you finish, we shall record your elapsed time, check the control clips and compute your score. We will display your card on a clothes line so that you may compare your score with others, and discuss your respective strategies.
- We have some regenerative AM Direction Finding Radios for use. The fact that you do not hear the next fox simply means that:
 - o You are too far away from the fox that is transmitting
 - o There may be a hill between you and the fox, i.e. no line of sight. Wait until the minute has elapsed then listen for the next fox to start transmitting.
- A hand-held radio works very well, provided you hold it close to your chest to shield RF from behind you. When you are near a fox, use a paper clip as an antenna, to attenuate the signal, else directivity is lost.
- Yagi antenna, for construction details, refer to our web page www.qsl.net/ZL1AA then click on Newsletters > 2012 > March, then scroll down to page 6.
- Triangulation tip: This means, orient your map (if you have a compass, the top of the map is magnetic north), then plot the direction towards each fox that you can hear. Go further along the road to a corner, then plot another set of bearings. A third set of bearings from the next corner will give you a precise intersection of these plot lines to show where the foxes are. Then study your map to plan how to run around the area by the fastest / shortest route, visiting and scoring each fox as you go. This is better than bush-bashing towards each fox in turn. Remember to keep track of your time else you will have points deducted if you are late back.

RESULTS SHEET										SEARCH INFO	
										Branch	Age group
										Call-sign	Age group
MOE	3:30	MOI	3:30	MOS	3:30	MOH	3:30	MO5	3:30	Time	Score
Competitors fill in the boxes when the heavy outlines.											
Name										Comp. No.	Time
Branch										Comp. No.	Time
You must report at the finish whether or not you completed the course, otherwise a search will be initiated.										Comp. No.	Time



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

Date / Time / Place: Saturday 20th September / 1330 hours / Clubroom

Attendees: George ZL1TUJ Presiding, Wes ZL3TE, Wallace ZL1WAL, Ray ZL1AJR, Logan ZL1LMN, Selwyn ZL1BRC, Ian ZL2ATD as per Attendance book.

Apologies: Steve ZL1FS, Gwynne ZL1AAR.

Sustained ZL1WAL / ZL1AJR

Minutes: of the General meeting on Saturday 19th July 2014 was taken as read and accepted
ZL1AJR / ZL1AAR

Correspondence:

- Selwyn commenting about the inaccurate notice of meeting time for this meeting – 1300 instead of 1330 hours.
- Auckland Council re electricity use (\$517 for the month of May) and their desire that we should be given a “standard monthly Licence to occupy the land until such time as the agreement is terminated or when the underlying land is required back by Council.”

Arising:

This letter was a reaction to our report of squatters seen in the (ex Scarbros) concrete block building. Council were given Ross Scarborough's mobile phone number because he visits the yard daily. The Secretary read out the terms of the 1971 agreement with Civil Defence and Auckland City Council when this building was gifted to them in consideration of our sharing their facilities. After their building was burnt down in 1981 and demolished, Council provided us with alternative facilities: kitchen annex, power, water and phone line. Leaseholders of the section have been obliged to allow access across the section.

Finance:

- The Treasurer tabled the year to date Accounts as presented to the Committee Meeting on 2nd Sep. Received ZL1TUJ / ZL1WAL
- A list of equipment (mainly old test gear) for sale was tabled. It will appear in the next newsletter before being offered on TradeMe.
- There was objection to the transaction to trade in Ray's TS570D Kenwood (\$600) for the Kenwood TS480HX (\$1300) - being \$700 revenue to the Branch - was objected to on the grounds the agenda did not stipulate that this transaction was to be tabled for General Meeting approval, because both amounts are over \$300; as required by the Constitution. This transaction will be presented at next month's General Meeting for approval with an appropriate agenda.

Reports

- AREC: Nets have been attended.
- Maintenance:
 - o The Maintenance book needs to be resurrected and used.
 - o Power point in the kitchen has been replaced.
 - o The hasp for the port-a-loo needs to be replaced.
 - o A new post is needed for the hinged door to the underfloor mast storage area.
 - o No vermin reported lately.
 - o Concrete base of the mast has have a groove cut so as to recess the earth wire (often cut by the lawn mower).
 - o PC for general use has Selwyn's favourites loaded. This PC hosts the printer.
- Tower: No progress with hoisting Nally tower pedestal.
- Bamboo poles: 4 green 9m long bamboo poles have been delivered.
- Future events:
 - 18th October - Gary Bold (subject to confirmation). Use 'phone tree to fill all seats.
 - 15th November – Inter-branch ARDF event at Cornwall Park. Start at 1300 hours.

The meeting closed at 14:55.

It was intended that Members would take part in the Lighthouse weekend event , but objection was raised about our proximity to, and justification for, adopting Rangitoto lighthouse to commemorate the cause.
