



New Zealand Association of Radio Transmitters

## ZL1AA - AUCKLAND BRANCH 02

October

2019

# GENERAL MEETING

SATURDAY 19th October 1330 hours

**Gwynne will serve a BBQ at noon**

If running late QRV at 1215 on 146.500 MHz FM simplex  
and ask to have a sausage saved for you.

**GUEST SPEAKER**

**David Probine ZL1TND**

*“Towards a better application of super capacitors  
in regen braking systems in EVs.”*

Come and hear about his new methodology.

Come early to view the equipment that was gifted to us by  
Warren Robinson ZL1AIX-SK.

Sealed tenders should be sent to Treasurer, in November.  
These will be opened at the December Committee Meeting.

## ZL1AA

**Auckland Branch 02**  
**P O Box 18-003**  
**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:

Jim Smith, ZL1TGS  
JimmyS@xtra.co.nz  
027-492-5152

### Secretary:

Wallace Bottomley, ZL1WAL  
Auckland.nzart@gmail.com  
(09) 575-6383

### Treasurer:

Jeff Lowe ZL1TOU  
jeffjanet51@gmail.com  
(09) 630-0213

### Elected Members:

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

Olivier Wardecki, ZL1XS  
zl1xsnz@gmail.com

Japie Nel, ZL1JJN  
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021-217-8601

Soren Low, ZL1SKL  
Soren@outlook.com  
021-813-541

Rod Stichbury, ZL1SR  
RodStichbury@xtra.co.nz  
021-355-258

Ken Lawrence, ZL1TJL  
KJLNZ@hotmail.com  
021-369-514

## ZL1AA Information:

Branch 02 Clubroom is located at  
400 St Johns Road  
St Heliers, Auckland  
Approach from the south then through  
(locked) gate and down right of way.

Google Earth:  
36.869730s, 174.843860e

Clubroom is open every Saturday from  
1030 hrs. for members and guests to drop  
in for a cuppa and a chat.

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

Committee meetings are held on the first  
Tuesday of each month at 1930 hrs.  
Only paid members may attend.

Affiliations:  
10-10 International  
NZART  
AMSAT-ZL

Club nets:  
Wednesday:  
145.775 MHz @ 1930 Steve, ZL1FS NCO  
HF Net on Hiatus

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

## Branch Contact:

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  
achatnz@gmail.com

## Librarian & QSL cards:

Olivier Wardecki, ZL1XS  
zl1xsnz@gmail.com

## Station Trustees:

George Marr, ZL1TUJ  
Wes Printz, ZL3TE

## Branch Technical Adviser:

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



## SUBSCRIPTIONS

### ❖ Subscription Rates:

- Regular ..... \$45 (discounted with a \$5.00 raffle ticket if paid by 31 Mar 2020)
- Youth Rate \$20
- ❖ A Membership Application / Renewal Form is required with all payments to assist with accurate record keeping, available by downloading [http://www.qsl.net/zl1aa/br02\\_mem\\_form.pdf](http://www.qsl.net/zl1aa/br02_mem_form.pdf) then hit "SUBMIT" to upload it or Post to PO Box 18-003, Glen Innes, Auckland 1743.
- ❖ Pay by direct credit 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 November to 31 October.
- ❖ Receipts, if requested, will be distributed at meetings or via e-mail.
- ❖ 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 within the space available at the time of newsletter editing.



### **From the Secretary ... (Wes is very busy)**

Last Saturday a team led by Gwynne ZL1AAR, went to Waiheke Island to the estate of Warren Robinson ZL1AIX-SK, the site of his radio station. They were invited by Brent Robinson, on the instructions of his late father to transfer radio equipment to our club and for us to scope out the job of removing his antennas.

Google "ZL1AIX Youtube" to experience a flyover by drone to see these antennas.



Come early to our General meeting on Saturday where some of his radio gear will be on display. See the last page of this newsletter for a list of what is available. No, the Stepper yagi is not on the list because the club intend to mount it on our own Nally tower. Tenders should be given to our Treasurer in November before our December Committee meeting when they will be opened.

It was eighteen months ago when I was acting editor, that I described a similar visit to the home of the late Ray Chapman ZL1AJR-SK. Thanks to Ray's nieces, we were to benefit from Ray's radios. Some Members climbed upon his roof to remove antennas. Accordingly, his ICom7610 is at position HF1 and his ICom 7300 is our remote station.

At that time I reminded readers of this newsletter about the privileges of belonging to a branch of NZART. These are:

- QSL card distribution;
- Monthly newsletter;
- Use of repeaters;
- Use of the remote station;
- Borrowing rigs, test gear, magazines and books;
- Access to technical advice and help from Elmers;
- Participation in events and contests; and most of all,
- Fellowship.

In a few days, it will be the end of our financial year. Jeff ZL1TOU will be ready with his receipt book to take early subscriptions for next year. Included in your \$45.00 sub, the Branch provides a raffle ticket to go into the draw for a prize of the 2018 edition of the AARL Handbook. It is now printed as a set in six sections. It will look good on your bookshelf.

This Saturday, we have asked David Probine ZL1TND to tell us about his new approach to apply super-capacitors in the application of recovering the energy during high braking demand of electric vehicles. David contends that his ideas will make a big difference to their present application as seen for example in the Teslar EV.

The remainder of this newsletter will catch up on the publication of Minutes of Committee meetings over these last three months and the September General meeting. Read on.

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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 for a short while in a contest. There are several to choose from. More Information can be found at:

<http://www.contestcalendar.com/weeklycont.php>

# Auckland Branch 02, NZART (Inc.)

## Minutes of Committee Meeting

**Place / Date / Time:** Clubroom, Tuesday 4<sup>th</sup> June at 1935 hours  
**Attendees:** Wes ZL3TE (presiding), Wallace ZL1WAL, Jeff ZL1TOU, Gwynne ZL1AA, Japie ZL1JJN, Olivier ZL1XS, Rod ZL1SR, Ken ZL1TJL, Jim ZL1TGS.  
**Silent Key:** Tor Toft ZL1BNX-SK. Members stood in silence in memory of him and his donation of the 70' pole at the west of the clubroom. See obituary in next Break-In.  
Wallace ZL1WAL represented the Branch at his memorial service last month.  
The family has been supplied the form to deregister his call-sign. His son may apply for it.  
**Apologies:** Steve ZL1FS (at sea); Soren ZL1SKL

Sustained ZL1WAL / ZL1TGS

**Minutes:** of the previous Committee meeting on Tuesday 2<sup>nd</sup> May 2019

Adopted ZL1WAL / ZL1TOU

### Correspondence:

- Newsletters: Franklin, North Shore; Papakura (by post);
- Newsletters: Hibiscus Coast; Western Suburbs; Papakura, Westlakes (by e-mail)
- Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point,
- City Rail Link: Sales order had been sent by mistake. No payment is expected other than the monthly \$39.57 DD.
- Break In
- NZART-HQ asking for "Silent key" form
- Various (older) Members asking for detail about Tor Toft ZL1BNX- SK
- City Rail Link: Sales order \$591 questioned
- NZART Break-in: Obituary for Tor Toft ZL1BNX-SK
- NZART Call Book update of Branch Directory page

Received and approved ZL1WAL / ZL1AAR

### Finance:

- **Finance Report:** 1<sup>st</sup> Nov 2018 – 1<sup>st</sup> June 2019.

Received ZL1TOU / ZL1WAL

- **Payments for approval**

Postage	\$14.60
Klondyke tower refurbishment	\$500.00
- **Budget expense**

Hire truck to deliver poles	approx.\$50.00
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Ken ZL1TJL  
Auckland VHF Group  
Rod ZL1SR

Approved ZL1TOU / ZL1WAL

### JWFD:

- We won the Montgomery cup. (Note that the 2018 winner, Whangarei Branch ZL1AM, did not participate)
- Wallace will contact Whangarei Branch to arrange its delivery, else Jeff ZL1TOU will be collect it on 14-15th June
- An 80m inverted dipole was erected higher, and performed very much better thanks to Paul ZL1AJY's expertise.
- Gwynne ZL1AAR reported discussion at NZART conference discussion about, and support to continue, this contest.

### Report of NZART AGM and Seminars:

- Subscriptions for 2020 will remain the same as for 2019
- Remits were voted (just as we voted) – Remit 1 "No"; Remit 2 "Yes"
- The new NZART President will be Mark Gooding ZL2UFI (presently Editor of Break-In).
- Our Member Soren ZL1SKL is held in high regard, together with Andy ZL1COP to revive AREC in Northern region.
- AMSAT-NZ was about to be abandoned. However a new committee is being formed.

### Reports:

- **AREC:** A survey of Members was done. Soren ZL1SKL will lead discussion about training on Sat 22<sup>nd</sup> June
- **Web page:** Updated Directory page to show current Life Members
- **Visitors:** Alex Markinson ZL1TAX – he purchased Kenwood TS430S (after it was tested)
- **Nets: / Exams: / QSL:** Nothing to report
- **Newsletter:** Not issued in May
- **Remotely controlled station:** Operating well
- **Membership:** 27 plus 3 Honorary Life Members whose names appear at the top of our web-site directory page.
- **Equipment for sale**
  - Expect equipment from Warren Robinson ZL1AIX one of these Saturdays.
  - Rod ZL1SR has a credit of \$120 for a Kenwood TS430 that he returned (because it is under powered)
  - Wallace ZL1WAL is testing a Yaesu FL2100B amplifier (ex Barry Gordon ZL1AAA)
  - Jim ZL1TGS has donated a 13 metre yacht mast to replace the 40m dipole northern end support.
  - Discussion about selling the Icom 7600 at VHF1 station was unresolved. Wes will ascertain its value.
- **Maintenance**

Clean up section / creepers / pot holes. Wallace will contact Darrock.Ltd. (supervisor of 400 St Johns Road)
- **Meter reading:** 56616.4

## Minutes of Committee Meeting June 2019 (Cont'd)

### Antennas / Project plans:

- Tri-bander pole:
  - Rod has realigned pivot and painted it
  - Jim ZL1TGS reported that Harry ZL1BK had agreed to help rig the top pole, subject to borrowing a chain block to mount it on the plinth. Both Jim and Rod are willing to assist. Rod suggests some painting first.
  - The task of mounting the Yagi tri-beam will be a separate exercise. Good traction for a vehicle is necessary.
- Nally tower:
  - Junction box at base of tower. Wes reported that he now has time to work on this.
  - Rotator bearing has been greased but it has yet to be fitted
  - Quad antenna - Paul ZL1AJY has experience, and has offered his help
- Antenna(s) needed for Yaesu FT736R at HF3 for 6m.
  - Concrete base for Satellite antenna – project abandoned.
  - D-Star has been programmed at HF3 by Simon ZL1SWW

### Future Events / entertainment / speakers

- 15 June                      Antenna feeders                      Paul ZL1AJY
- 22 June (4<sup>th</sup> Sat,)        AREC training discussion        Soren ZL1SKL
- 20 July                      SDR    Graham ZL1GH    Visitors are welcome
- 17 August    Lighthouse weekend Wes ZL3TE will register Bean Rock and liaise with Kohi Yacht Club
- **Suggestions:**
  - Training to do logging using N1MM before next JWFD;
  - Instruction how to operate Icom rigs;
  - Travel photos by Jeff ZL1TOU (to fill-in if needed)

### Other business:

- By laws /Code of Conduct / Rule Book : No progress to report
- Equipment loan book should be reviewed periodically

The meeting closed at 21:45

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

### Place / Date / Time:

Clubroom, Tuesday 2<sup>nd</sup> July at 1930 hours

### Attendees:

Wes ZL3TE (presiding), Wallace ZL1WAL, Jeff ZL1TOU, Gwynne ZL1AAR, Japie ZL1JJN, Olivier ZL1XS, Rod ZL1SR, Soren, ZL1SKL

### Apologies:

Jim ZL1TGS, Ken ZL1TJL

Sustained ZL1WAL/ ZL1SKL

### Minutes:

of the previous Committee meeting on Tuesday 4<sup>th</sup> June 2019

Adopted ZL1WAL/ ZL1SR

### Correspondence:

#### In

- Newsletters: Franklin, North Shore; Papakura (by post);
- Newsletters: Hibiscus Coast; Western Suburbs; Papakura, Westlakes (by e-mail)
- Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point,
- Douglas Birt: Waikato District Submission (closing 27 May) enclosing model submission.
- RWC: last chance Icom special prices (NZART Conference) includes 7610 for \$4250.00
- Andrei – Prof. Tony Norris (AUT) wants to sell his JRC 545 DSP Receiver
- Whangarei Branch; Montgomery Cup. Wes will ask engraver to extend its base for more names to be added.
- Fists Club: Death notice of Ralph Sutton ZL2AOH (long time previous secretary of FISTS)

#### Out

- VHF Group donating \$500 for the Klondyke tower refurbishment project
- Steve: authorising hire of a cherry picker if required.

Received and approved ZL1WAL/ ZL1AAR

### Finance:

- **Finance Report:** 1<sup>st</sup> Nov 2018 – 1<sup>st</sup> July 2019.

Received ZL1TOU / ZL1WAL

- **Approval of expenses:**      Truck hire      \$50.00.      Rod ZL1SR

Approved ZL1TOU / ZL1WAL

### Reports:

- Soren reviewed the meeting at the clubroom on 22<sup>nd</sup> June attended by 5 Members (2 apologies):
  - Auckland Branch clubroom is a useful site as a base for all modes of communications throughout NZ.
  - Training will occur on Tuesdays, lasting 1 hour, to cover Health & Safety and Message handling,

## Minutes of Committee Meeting July 2019 (Cont'd)

### Reports (Cont'd):

- **AREC (Cont'd)**
  - A survey had been sent to 10 Members (showing interest in AREC). It will be reissued to other members.
  - AREC is in good hands under Don Robertson at National level and Dave Wilkens ZL1MR at Regional level.
  - Search and Rescue is already well established. This does not depend on AREC.
  - Soren attended an Auckland Emergency Management (AEM) exercise. Various scenarios are being posed, e.g. a flood at Selwyn College in Kohi. He was impressed by the professionalism shown. AEM have comms and support equipment which can be deployed to helpers.
- **Web page:** NTR
- **Visitors:** NTR
- **Nets:** NTR
- **Exams:** NTR
- **QSL:** NTR
- **Newsletter:** Contributions are welcome.
- **Remotely controlled station:** The antenna switch is often not being reset after using HF1. Otherwise it is well.
- **Membership:** 27 plus 3 Honorary Life Members
- **Equipment for sale:** The Icom 7600 at HF3 is on offer for \$1,000 subject to approval at General Meeting (being an asset sale over \$300.00).
- **Maintenance:**
  - Electrical and inspection. NTR
  - Alarm / Surveillance recording is not deemed to be necessary
  - Clean up section / creepers / pot holes are tasks for a summer working bee.
  - Lawns. Wallace will ask Clint Lèger (Ground Works) to lower the lawn-mower's cut.
- **Meter reading:** 52906.3

### Antennas / Project plans:

- Tri-bander: Mount top pole and tri-bander antenna using cherry picker (for safety reasons).
- Nally tower:
  - Junction box at base of tower. Wes said that he now has time to consider plans for this.
  - Rotator bearing has been greased but it has yet to be fitted
  - Quad antenna - Paul ZL1AJY has experience, and has offered his help
- Antenna(s) for Yaesu FT736R at HF3
- The 13m yacht mast donated by Jim ZL1TGS will replace one of the 40m dipole supports.

### Future Events / entertainment / speakers

- 20<sup>th</sup> July SDR; Graham ZL1GH
- 17<sup>th</sup> August Lighthouse weekend ZL3TE (Register Bean Rock) Wes will book Kohi Yacht club.
- September ?
- October David Probine ZL1ND Super capacitors used in electric cars
- CRAC advise that IARU ARDF competition for Regions 3 (to be run near Shanghai in China) has been cancelled.

### Sales at other branches:

- Tauranga Estate Norris Browne ZL1APS (SK)
- Franklin 16 July at Clubroom
- Whangarei 27 July at Clubroom
- Hamilton 31 August at Gordontown Hall

### Other business:

- By laws /Code of Conduct / Rule Book: No progress
- Review of Equipment loaned out. NTR
- Wallace ZL1WAL will be out of town for August Committee Meeting.

The meeting concluded at 20:52

# Auckland Branch 02, NZART (Inc.)

## Minutes of Committee Meeting

**Place / Date / Time:** Clubroom, Tuesday 6<sup>th</sup> August at 1935 hours  
**Attendees:** Wes ZL3TE, (presiding), Jim ZL1TGS, Olivier ZL1XS; Ken ZL1TJL, Simon ZL1SWW, Gwynne ZL1AAR, Japie ZL1JJN, Jeff ZL1TOU, Rod ZL1SR,  
**Apologies:** Steve ZL1FS; Soren ZL1SKL; Wallace ZL1WAL  
**Minutes:** of Meeting of 2nd July 2019: Sustained ZL1TJL / ZL1XS  
Adopted ZL1TJL / ZL1AAR

### Correspondence:

- In**
- Newsletters: Franklin; North Shore, Papakura, Musick Point (by post)
  - Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point,
  - Ole Toft enquiring about getting a licence to take over his father's call-sign ZL1BNX.
  - Howard Buxton ZL1BXA will introduce Bill Hulme
  - Andre has completed the task of altering the Committee names to make them non-clickable, to avoid spammers.
- Out**
- Steve (from Wes): Request to schedule the erection of the pole for the triband antenna.
  - Committee; Western Suburbs' newsletter
  - Ole Toft providing info about licence exam.
  - Bill Hulme: Welcome to visit.

### Finance:

- **Finance Report:** 1<sup>st</sup> Nov 2018 – 6<sup>th</sup> August 2019.
- **Payments for approval**

Rent July 2019	\$39.57
Rent August 2019	\$39.57
Donation(VHF Group)	\$500.00
<b>TOTAL</b>	<b>\$579.14</b>
- **Budget expense** None
- **Subscriptions for 2020** Recommended that these remain the same as for 2019

### Reports:

- **AREC:** Jim ZL1TGS indicated that there was nothing to report
- **Web page:** Updated Directory page to show current Life Members
- **Visitors:** George ? (He visited us at last year's Lighthouse weekend at Kohi Yacht Club. He wants to get licence.
- **Nets: / Exams: / QSL:** Nothing to report
- **Newsletter:** No issue in July.
- **Remotely controlled station:** Has been tested and is now operating well
- **Membership:** 28 plus 3 Honorary Life Members whose names appear at the top of our web-site directory page.
- **Equipment for sale**
  - Gwynne ZL1AAR has spoken to Warren Robinson ZL1AIX and his equipment will be delivered to the Club House.
  - Graham ZL1GH has purchased the IC756 and paid a deposit of \$40.00
  - The Icom 7600 was sold to ZL1SWW – payment has been made.
- **Guest Speaker:** Thanks to Graham ZL1GH for his presentation on Software Defined Radio
- **Maintenance:**
  - Electrical / Alarm / Surveillance. No discussion.
  - Clean up section / creepers / pot holes. Wallace should write to Council.
- **Meter reading:** 54001.9

### Antennas / Project plans:

- Tri-bander pole:
  - Steve ZL1FS and Harry ZL1BK have affixed the top pole and the rotator is mounted on it. The top pole has no anchor points and these should be installed before using this tower
  - The task of mounting the Yagi tri-beam will be done in the summer.
- Nally tower:
  - Quad antenna - Paul ZL1AJY has experience, and has offered his help. He suggested that the Quad should be installed in the Summer. This can coincide with remounting the Yagi tri-beam.
- Antenna(s) needed for Yaesu FT736R at HF3 for 6m. This could be mounted on either of the 2 towers and a decision will be made at a later date.
  - Concrete base for Satellite antenna – project abandoned.
  - D-Star has been programmed at HF3 by Simon ZL1SWW
- Wes ZL3TE has repaired the computer for HF1

# Minutes of Committee Meeting August 2019 (Cont'd)

## Future Events / entertainment / speakers

- **17 August Lighthouse weekend.** Wes ZL3TE contacted Kohi Yacht Club and due to Alarm problems that arose last year at the Kohi Club house they have declined our return. Another site has to be found.

Wes ZL3TE is to investigate the use of Vellenoweth Green and /or Michael Joseph Savage Memorial Park. Ngāti Whātua Orakei will also be approached to obtain permission to use their site.

- **Suggestions:**
  - **21 September**, Wes ZL3TE to give training on how to use remote antenna switching system and SDR radios / Icom rigs.
  - **19 October ?**
  - Jeff ZL1TOU offered to show his travel photo's as a fill-in, if needed.

## Other business:

- George Marr ZL1TUJ visited the Club House and replaced the gas bottle. Thanks to George for this donation.
- By laws /Code of Conduct / Rule Book : No progress to report
- Equipment loan book should be reviewed periodically
- St Chads Scout group should visit the Club House on a Saturday morning and not mid-week.

The meeting closed at 20:35

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

**Place / Date / Time:** Clubroom, Tuesday 3<sup>rd</sup> September 2019 at 1930 hours

**Attendees:** Wes ZL3TE (presiding), Jim ZL1TGS, Wallace ZL1WAL, Jeff ZL1TOU, Gwynne ZL1AAR, Japie ZL1JJN, Olivier ZL1XS, Soren ZL1JKL, Rod ZL1SR, Ken ZL1TJL.

**Minutes:** of the previous Committee meeting on Tuesday 6<sup>th</sup> August 2019

- Arising: Equipment for sale to Graham ZL1GH was ICom765 (not IC756).  
Approved ZL1WAL / ZL1JJN
- Minutes of Committee meetings (June, July and August) will be rewritten to correctly record attendees.  
Approved ZL3TE / ZL1TKL

## Correspondence:

- **In**
  - Newsletters: Franklin, North Shore; Papakura; Musick Point (by post);
  - Newsletters: Hibiscus Coast; Western Suburbs; Papakura, Westlakes (by e-mail)
  - Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point
  - Alan Wooller: inviting participation in Jumbo Challenge (indoor bowls) 2 October 2019 at Albany Bowling Centre
  - Soren: Revised AREC Contacts list; Minutes of AREC meeting 15 August; Next meeting 21 November 930 Br 65;
  - Incorporated Societies: Advising that site will accept on-line registration and returns after October 2019
  - Selwyn: Failings to abide by our Constitution; Errors in Web page.
  - VHF Group receipt for \$500 for our donation to the Klondyke Tower refurbishment project.
  - Brendan Liang: enquiring about licence exam
  - Lal Busher VU2LBQ enquiring about joining the branch
  - Break-In
- **Out**
  - Lal Busher: Info about obtaining a NZ Licence.
  - Bendan Liang: info about licence examination.

Inwards received and Outwards approved ZL1WAL / ZL1SKL

## Finance:

- **Finance Report:** 1<sup>st</sup> Nov 2018 – 1<sup>st</sup> September 2019.  
Received ZL1TOU / ZL1WAL
- **Approval of expenses:** Transport of masts donated by Jim ZL1TGS. Reimburse Rod ZL1SR \$50.00  
ZL1TOU / ZL1WAL
- **Donation:** Olivier ZL1XS was thanked for his donation of a large video screen, suggesting that it be used at HF1.  
Wes ZL3TE / ZL1AAR

## Reports:

- **Lighthouse weekend:**  
Wes reported that Kohi Yacht Club declined his booking because, in the previous year, their fire and access alarms had allegedly been damaged by our 100 watts RF transmission.  
Alternative sites were impractical in these wet winter conditions.  
Members reported that monitoring (from their homes) showed minimal activity. (However a VK contest was active.)



# Minutes of Committee Meeting September 2019 (Cont'd)

## Reports (Cont'd):

- **AREC:** Soren reported the outcome of a recent meeting of Northern AREC.
  - The newly appointed National Director, Don Robertson ZL2TYR / ZL6EXA has stepped up.
  - A budget is being prepared for branding and staffing.
  - The survey of AREC members shows that they are elderly and aging
  - Strategies are needed to hook younger members and **keep** them participating
  - An earlier written Handbook is being updated.
  - Training sessions (say 2<sup>nd</sup> Tuesday of month) starting October (2<sup>nd</sup> Saturdays were suggested).
  - Topics: XVRs being used; Health & Safety; Message handling; etc.
  - The branch has two vests branded "AREC"
  - Wes suggested looking up Los Angeles Counties Disaster Communications Service)
- **Web page:** Some inaccuracies have been noted.
- **Visitors / EXAMS:** Brendan Liang has an interest in SDR and intends to get his licence
- **Nets:** VHF on Wednesdays at 1930 hours.
- **QSL:** The QSL1 centre needs an updated Members list. Copy to Olivier and Wes.
- **Newsletter:** No issue in August
- **Remotely controlled station:** Operating well despite Wes and Simon often having to restart it.
- **Membership:** 28 plus 3 Honorary Life Members
- **Equipment for sale:**
  - Steve ZL1FS has returned a ICom 765 pro II ex Ray Chapman ZL1AJR-SK. Graham has purchased it.
  - Paul ZL1AJY has offered \$100 to buy the Kenwood 520S ex Joseph Chang.
  - The Yaesu MP1000 is probably worth only \$800.
  - Antennas owned by Ian Falgar. (Advertise in newsletter)
- **Maintenance:**
  - Electrical – not scheduled. Meanwhile an extension cord is being used for the projector and adjacent PC.
  - Clean up section / creepers / pot holes
- **Meter reading:** 54187.5

## Antennas / Project plans:

- Tri-bander Yagi
  - Transfer it from the Nally tower to the newly reinstated Toft pole – to be scheduled when ground is dry.
- Nally tower:
  - Junction box at base of tower.
  - Rotator bearing has been greased but it has yet to be fitted
  - Quad antenna - Paul ZL1AJY has experience, and has offered his help
- Antenna(s) for Yaesu FT736R at HF3
- 40 m pole repair
- New pole placement.

## Future Events / entertainment / speakers

- September Wes Instruction to operate club's radios and antenna switching.
- October David Probine ZL1ND Application of super capacitors in EVs.

## Other business:

- By laws /Code of Conduct / Rule Book: Japie reported Bob ZL1AFU suggesting end of year for its completion.
- Equipment loaned out list: Review has not been done yet.
- Appointment of Examination Supervisor (pending Steve's ZL1FS move to Hamilton). Decided to advertise in next newsletter.
- SDR was briefly discussed. This could be a possible future club activity or another demonstration.
- Gwynne is authorized to order ARRL handbook and antenna book. The previous year's issue is for a raffle prize as an incentive for paying next year's subs on time.
- Ken ZL1TKL will be away overseas.

The meeting closed at 2100 hours.

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

**Place / Date / Time:** Clubroom, Tuesday 1<sup>st</sup> October 2019 at 1940 hours  
**Attendees:** Jim ZL1TGS (presiding), Wallace ZL1WAL, Jeff ZL1TOU, Gwynne ZL1AAR, Olivier ZL1XS – a quorum.  
**Silent Key:** Warren Robinson ZL1AIX-SK  
Gwynne reported that he had attended the funeral service and signed the Memorial Book. He said that he and Warren had been in the same class at Auckland Grammar School.  
**Apologies:** Ken ZL1TJL

**Minutes:** of the previous Committee meeting on Tuesday 3<sup>rd</sup> September 2019.  
Sustained ZL1TGS / ZL1AAR  
Received ZL1TGS / ZL1AAR

## Correspondence:

- In**
- Newsletters: Franklin, North Shore; Papakura; Musick Point (by post);
  - Newsletters: Hibiscus Coast; Western Suburbs; Papakura, Westlakes (by e-mail)
  - Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point
  - Howard Buxton ZL1HX re Warren Robinson ZL1AIX-SK
  - Gwynne: forwarding his correspondence with Brent Robinson, son of Warren ZL1AIX-SK, about picking up gear at Waiheke Island.
  - Royal Oak Cubs asking to visit (any) Member / Branch so as to take part in JOTA
  - RWB Communications advising release of ICom 705 HF/50/144/430 MHz ALL MODE
  - NZART requesting Call-book Branch update

- Out**
- Royal Oak Cubs: advising them about JOTA at Camp Maynard.
  - Call-Book Branch update.
- Arising: Jim opined that we should be more proactive to support requests by scout groups wanting to participate in JOTA.  
Received and approved ZL1TGS / ZL1WAL

## Finance:

- **Finance Report:** 1<sup>st</sup> Nov 2018 – 1<sup>st</sup> October 2019.  
Received ZL1TOU / ZL1WAL
- **Approval of expenses:**  
Lawn mowing \$115.00  
Approved ZL1TOU / ZL1WAL

## Reports:

- **AREC:** A combined exercise of all services (Police, SAR, etc. was held at Onehunga wharf, simulating a disaster at Manukau Heads. This was fully reported in the North Shore and Papakura Branch newsletters by their participants.
- **Web page:** Errors on the NZART web-page occur between time of our AGM (Dec) and the Call-book update (July).
- **Visitors:** None.
- **Nets: / Exams: / QSL:** None.
- **Newsletter:** No issue in September (third consecutive month). Wallace said that the newsletter is sometimes not written until a day or two before the Saturday of our General Meeting, leaving little time to deputize as Newsletter Editor (if asked).  
**Decided that after the deadline of Monday before the 3<sup>rd</sup> Saturday of the month, the Secretary shall issue a notice to Members advising what entertainment is scheduled and, if it is decided to conduct a General Meeting, the agenda for it.**  
ZL1AAR / ZL1TGS
- **Remotely controlled station:** The server's user file needs to be regularly updated (with a tick to authorize use).
- **Membership:** 28 plus 3 Honorary Life Members
- **Equipment for sale:** Rod ZL1RS has paid \$120 in advance of selecting a rig from Warren's gear (in due course).
- **Maintenance:**
  - Electrical (North side).
  - Clean up section / creepers / pot holes
- **Meter reading:** 54352.6

## Antennas / Project plans:

- **Tri-bander:** Schedule the transfer of the Yagi to the (Tor Toft donated) 50' pole.
- **Nally tower:** Rotator; Junction box at base of tower; Quad antenna – subject to using Warren's Stepper Yagi instead.
- **Antenna(s) for Yaesu FT736R at HF3**
- **40 m dipole:** Replace hoist for the centre pole. Helpers are needed to control and support the pole while it is being folded down.
- **40 m dipole:** The yacht mast is ready at the north end. It was reported that Japie has assumed this task.

## Minutes of Committee Meeting - October 2019 (Cont'd)

### Antennas / Project plans (Cont'd)

- Warren' Robinsons' (ZL1AIX-SK ) radio gear at Waiheke Island:
  - Gwynne reported conversations and correspondence that he has had with Brent Robinson about carrying out his father's instructions for Auckland Branch to be given his radio equipment
  - 12<sup>th</sup> and 13<sup>th</sup> October (when the Robinson family are there) to assess logistics and collect the radio gear.
  - Mrs Robinson prefers the tower to remain, but wants the Stepper Yagi taken off it (using their cherry-picker).
  - Removing the four verticals and cabling is not a priority, but this task can be done later, if at all.
  - Transport should be arranged after school holidays, preferably mid-week – provided that access is allowed.

### Future Events / entertainment / speakers

- October David Probine ZL1ND – *"A better application of super capacitors in EVs"*.

### Sales at other branches:

2<sup>nd</sup> November at Western Suburbs Radio Club

### Other business:

- By laws /Code of Conduct / Rule Book : No progress
- Review Equipment loaned out: Not done
- Graham Hay agreed to be appointed as Examination Invigilator. Wallace will prepare nomination form. Approved ZL1WAL / ZL1AAR
- Obituary in Silent Key column of Break-In for Warren Robinson ZL1AIX-SK in Break-In (Deadline 8<sup>th</sup> October). Gwynne reported that Vaughan Henderson ZL1VH has undertaken to write this in 200 – 400 words.
- Wallace to give Gwynne NZART / RSM Silent Key notification form to for Brent Robinson to complete when visiting Waiheke Is.

The meeting concluded at 21:35.

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## Auckland Branch 02, NZART (Inc.)

### Minutes of General Meeting

**BBQ:** A BBQ had been prepared and served by Gwynne ZL1AAR before this meeting.

**Place / Date / Time:** Clubroom, Tuesday, on 20 July 2019 at 1330 hours at 1350 hours

**Attendees:** Jim ZL1TGS, Wallace ZL1WAL, Gwynne ZL1AAR, George ZL1TUJ, Olivier ZL1XS, Simon ZL1SWW, Paul Barratt ZL1AJY, and Graham ZL1GH,our guest speaker, as per the Attendance Book.

**Apologies:** None.

**Minutes:** Previous General Meeting on 15<sup>th</sup> June 2019

Minutes having been circulated, approved ZL1WAL / ZL1AAR

### Sale of equipment:

The sale of the ICom7600 to Simon ZL1SSW for \$1,000.00 requires approval at General Meeting (being over \$300.00).

Approved ZL1WAL // ZL1AJY

The meeting adjourned at 1355 hours for the presentation.

**Guest Speaker:** Graham Hay ZL1GH. *"Software defined radio"*.

Graham presented a slide show acknowledging those people who had assisted him in pursuit of this topic. He described the advance of SDR, its developers and their various platforms. He demonstrated SDR using equipment that he had set up.

We also got insight into the career that he has followed in programming and continues to make using Raspberry Pi processors.

After thanks expressed by Jim ZL1TGS and acclamation, the meeting closed at 1525 hours

List of Equipment donated by ZL1AI						
Description	Brand	Model	Serial No.	* new price		Comments
				Value	Box Manual	
Transceiver	Yaesu	DX5000MP	600094	*\$5700	v v	
Transceiver	Yaesu	FT991	5F060251	\$999		
SDR	Apache Labs	Anan 200D	200D1058	\$3,500	v	
Amplifier	Expert	2KFA	114100052	*\$6600	v	
Amplifier	ACOM	2000A	100184	*\$6600	v	Has a remote head
Power supply	Emetron	EP54		\$100		
Power supply	Astron	RS-35M-220v	2016010003	\$125		
Power transformer	Dick Smith	M1163		\$80		230v - 110v; 150VA
Remote control head	ELAD	TM2	SI010N	*\$270	v	
Sound card 24 bit	Creative	EMU 0204	1190 0022	\$70	v	
Pan adaptor	Telepost	LP-Pan	1128	*\$200		Not LP-Pan2
Antenna analyzer	Array Solutions	AM 4170	761	*\$400		Precursor to NanoVNA
Direction coupler	Xtronic	XDC4SO		\$150		
Antenna selector	Array Solutions	WXOB Ratpak		\$375		
Sig generator	Elecraft	XG2		\$60		For aligning receivers
Ambassador	Tuner	LW100	11			Very old
Vacuum capacitor & drive motor				\$800		Similar to Comet CVUN
K9AY loop switch	Array Solutions	AS-AYL -4	719	\$589		
Rotator controller	Yaesu	G2800 DXA	8F710015	\$1,300		
Tower controller	USTower					Winch up / down
Yagi antenna controller	Stepper	SDA 100				

## Tendering

In accordance with standard Branch practice, these items will be sold by tender, subject to approval by the Committee at a meeting on 5th November at 1930 hrs.

Sealed tenders should be sent to Treasurer Jeff Lowe ZL1TOU by 30 November. These will be opened at the next Committee Meeting on Tuesday 3rd December.