



*New Zealand Association of Radio Transmitters*

# **ZL1AA - AUCKLAND BRANCH 02**

**OCT / NOV**

**2018**



**Antenna Working Bee**



**SAT Nov. 17**

**No Business Meeting  
Antenna mast work**

**Club Room will be open at 10:30 AM**



**ANNUAL GENERAL MEETING 11 DEC @1930**

**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:

Steve Miller, ZL1FS  
HeathkitDX60@yahoo.com  
021 0226-4981

### 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  
jjnel@orcon.net.nz

Jimmy Smith, ZL1TGS  
jimmys@xtra.co.nz  
027 492-5152

## ZL1AA Information:

Branch 02 Clubroom is located at  
400 St Johns Road  
St Heliers, Auckland  
(Off the 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:

Thursday:  
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 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  
achatnz@gmail.com

## Librarian:

Olivier Wardecki, ZL1XS  
zl1xsnz@gmail.com

## 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 31 Mar 2018)
- 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 November 31 October
- ❖ Receipts will be distributed either in person at meetings or via mail/E-mail.
- ❖ Branch financial year currently runs from 1 November to 31 October.
- ❖ 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](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.

## From The Chair...

November the new financial year begins. 2018 FY was on target. The new year brings 2 important items to light. Subs are now due for this year. Your committee discussed the rates, and have agreed to remain with the current structure. 45.00/pa If paid by March 31, any 5.00 amount above 40.00 will provide you a ticket for the ARRL Hand Book. Pay 45.00 5.00 = 1 chance. 50.00 = 2 Chances etc...

The second item is the AGM is right around the corner, 11 Dec @ 1930 Please plan to attend, and consider a nomination of yourself for an office Or volunteer for one of the many positions in the running of the club.

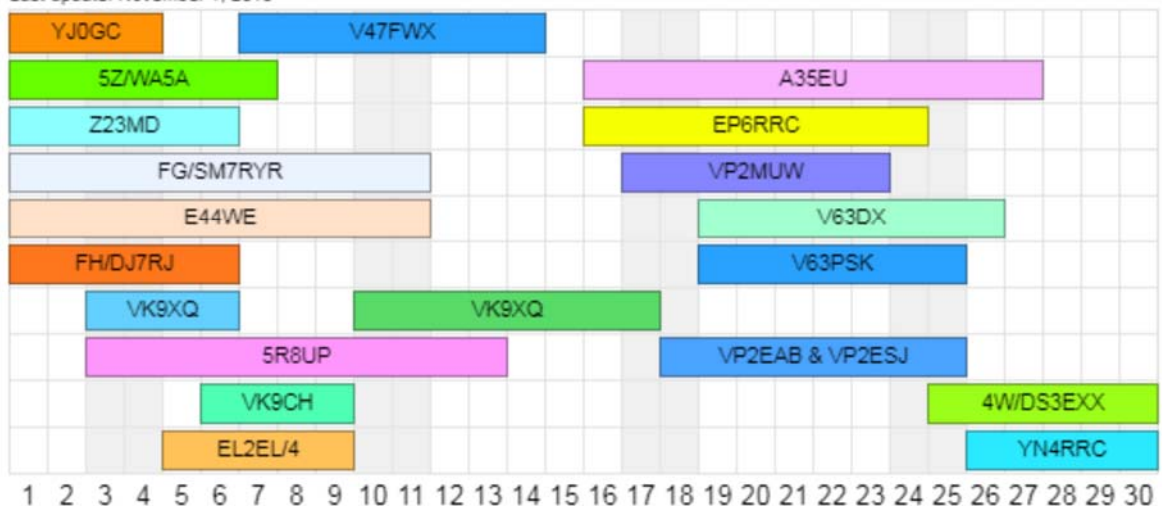
I currently am on my way to Japan for the [Asia Pacific DX Convention](#) held in Osaka. We will once again visit the ICOM Wakayama and Kinokowa factories, and meet with Mr. Inoue. We get a sneak peek at the latest Products. When I return, I will head to the Hawkes Bay for the CQWW DX CW Contest at ZM4T. Planned operators are: DL1MGB, ZL2MY, ZL2iFB, ZL3CW, ZL3IO, ZL3TE, ZL4YL, and others that may pop by.

73, Wes, ZL3TE



## DX WORLD.net FEATURED DXPEDITIONS TIMELINE

Last update: November 1, 2018



Edited by MM0NDX

NOVEMBER

CC IK8LOV Max Laconca

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.contestcalendar.com/weeklycont.php>

### NOV 11-18

- YO International PSK31 Contest: Nov 16
- LZ DX Contest: Nov 17 / 18
- All Austrian 160-Meter Contest: Nov 17
- REF 160-Meter Contest: Nov 17 / 18
- ARRL Sweepstakes Contest, SSB: Nov 17 / 19
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### NOV 19-26

- ARRL EME Contest: Nov 24 / 25
- **CQ Worldwide DX Contest, CW: Nov 24 / 25**
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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 02, NZART (Inc.)

## Minutes of October Committee Meeting

**Place / Date / Time:** Clubroom, Tuesday 2<sup>nd</sup> October 2018 at 1930 hours

**Attendees:** Jeff ZL1TOU presiding; Wallace ZL1WAL; Jim ZL1TGS; Japie ZL1JJN; Olivier ZL1XS; Gwynne ZL1AAR (a quorum).

**Apologies:** Steve ZL1FS, Wes ZL3TE Sustained ZL1WAL / ZL1JJN

**Minutes:** of the previous Committee meeting on Tuesday, 4<sup>th</sup> September  
Having been circulated, adopted ZL1WAL / ZL1JJN

### Correspondence:

#### In:

Newsletters: Franklin, North Shore; Papakura, Musick Point (by post); Hibiscus Coast; Western Suburbs; Auck VHF Group; Papakura, Westlakes (e-mail)

Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point

City Rail Link advising that property is to be managed by Darroch Ltd. Senior Property Manager, Rebecca Simpson.

Clint Léger Ground Works His invoice will be delivered mid-month after two cuts.

Tom Glendinning ZL1AMZ is now a resident at Oceania Healthcare, 6 Halligan Road, Whitianga.

Santos Rodriguez EA4AK visiting Auckland on 16<sup>th</sup> October wants to operate HF 20m early morning.

#### Out:

Wes asking Steve about progress to remove his Bus.

Out: Vaughan ZL1VH thanking him for donating a marine VHF radio for our VHF1 station.

Received and approved ZL1WAL / ZL1XS

### Arising:

Wes has replied to Santos EA4AK and will host him on 16<sup>th</sup> October.

No quote / response from AMI for insuring equipment and contents of building.

The marine radio can only be used for listening. Jim will obtain an Anderson connector for its power cord.

### Finance:

**Finance Report:** 1<sup>st</sup> Nov 2017 – 1st October 2018.

Having been circulated, received ZL1TOU / ZL1WAL

### Reports:

#### Review of last General Meeting

12 Attendees;

Business was completed in 10 minutes.

Richard Gamble ZL1BNQ spoke about SAR and AREC.

Dave Wilkins ZL1MR, AREC Deputy Director, supported him.

Demo of the SARTrack program was given as a radio was walked around the section.

#### Maintenance:

Outstanding: Painting exterior west walls

Gwynne has fed the weeds surrounding the lawns.

**Lawn mowing:** Rescheduled for mid-month, each month. The invoice for two mows will be left at the clubroom.

**AREC:** The annual CD "Shakeout" exercise will occur on 18<sup>th</sup> October at 0930 hours. AREC is not involved.

**Visitors; Exams; Nets; Web page; Newsletter; Membership; QSL; Battery check:**

Nothing to report.

#### Remotely controlled station:

Install ICOM 7300 and return the K3 to George ZL1TUJ.

**Meter reading:** 52175.6

### Antennas / Project plans:

The Nally tower will be folded so that the Rotor may be installed in time for use by 16<sup>th</sup> October

Tri-bander:

Hoist and reposition plinth temporarily; Done

Drilling: Steve will hire (\$19.00 for half day) a 24mm bit for his Ramset hammer drill.

Purchase Epoxy 2 pot from Franklins Plumbing (\$71.23). This does not require a special gun to apply it.

Antenna(s) for Yaesu FT736R at HF3.

Concrete base for Satellite antenna to stabilize it – not urgent unless new Members want to use it.

### Component sales:

The list of equipment recently acquired has not yet been valued /priced.

This list of equipment will be distributed to Members with the next newsletter asking for offers.

Western Suburbs Equipment Sale is 3<sup>rd</sup> November. Very little income can be expected here.

Olivier offered to test one radio, then advertise it on TradeMe. Sellers "In Trade" are bound by the Consumer Guarantees Act. Private one-off sales are not. However the Sale of Goods Act does apply similar protection to the buyer who relies on statements in the advertisement. He will start the auction at \$1.00.

*(Oct Committee Meeting Minutes Continued on page 5)*

## Future Events / entertainment / speakers

Saturday 6<sup>th</sup> October to install rotator on Nally Tower and install Icom 7300 remote station.

Saturday 13<sup>th</sup> October (rain day for above)

Saturday 20<sup>th</sup> October occurs on Labour Day Weekend.

Decided not to hold the regular 3<sup>rd</sup> Saturday meeting: ZL1TGS /ZL1TOU

Saturday 17<sup>th</sup> November. Nothing scheduled yet.

Tuesday 11<sup>th</sup> December AGM

Suggestions for 2019:

Familiarisation of operation of the new Icom Radios.

Instruction on the use of various test equipment in the clubroom.

Cell-phone apps. (A Google account should be set up by each participant prior to this meeting).

Participate in contests at the Clubroom, e.g.: Oceania DX.

Fox hunt.

Antenna installation day.

## Review:

Value and insure equipment within the clubrooms. Wallace and Gwynne to follow up getting quote from AMI.

Draft By-laws / House rules (resolutions passed at previous meetings):

Wallace will distribute this document to the Committee for their review and further suggestions.

The Committee should present these for ratification at the Annual General Meeting.

Our web page can have pages added for the Constitution and House Rules.

The meeting concluded at 2045 hours.

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

**Place / Date / Time:** Clubroom, Tuesday 6<sup>th</sup> November 2018 at 1935 hours

**Attended:** Wes ZL3TE presiding, Wallace ZL1WAL, Jeff ZL1TOU, Japie ZL1JJN, Gwynne ZL1AAR, Jim ZL1TJS, Olivier ZL1XS, and Rod Stichbury ZL1SR

**Apologies:** Steve ZL1FS, Soren ZL1SKL Sustained ZL1WAL / ZL1AAR

**Minutes:** of the previous Committee meeting on Tuesday, 6<sup>th</sup> November 2018  
Circulated only to Committee, adopted ZL1WAL / ZL1TJS

## Correspondence:

**In:**

Newsletters: Franklin, North Shore; Papakura, Musick Point (by post); Hibiscus Coast; Western Suburbs; Papakura, Westlakes (e-mail)

Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gisborne, Musick Point  
Clint Léger lawn mower saying that invoice will be delivered mid-month after second cut.

Santos Rodriguez EA4AK visiting Auckland on 16 October wants to operate HF 20m early morning.

Draft of MoU between AREC and Auckland Emergency Management drawing attention to new clauses.

**Out:**

AMI requesting quote – referred to their underwriter.

Steve re bus

Vaughan ZL1VH thanking him for donating a marine VHFradio for our VHF1 station.

**Arising:**

Newsletters from Auckland VHF Group. Access is being denied (gmail.com says "Insecure").

Account for lawn mowing was not delivered.

Wes will send follow up with Steve.

Received and approved ZL1WAL / ZL1JJN

## Finance:

**Finance Report:** 1<sup>st</sup> Nov 2017 – 1st October 2018.

Received ZL1TOU / ZL1WAL

### Expenses for approval:

Wallace Epoxy for mast \$58.40

Ross Higgins (lawns) \$300.00 (being reissue of cheque gone stale)

Approved ZL1TOU / ZL1XS

**Budget** for 2019 was tabled. Issues:

Recommend that subscriptions should remain unchanged - \$45.00 and raffle ticket given as incentive to pay early. Student \$20.00.

Insurance (\$800)

The Business Pak policy with State (AIG Group) had been allowed to lapse after we were advised by State that it is illegal to insure the clubroom building, having no proof of ownership of it.

Quotes for contents only are being requested from AIG (via AMI) and Insurance People Ltd.

(Nov Committee Meeting Minutes Continued on page 6)

**Reports:** (This heading includes a repository of all matters that have not progressed since their introduction)

**Maintenance:**

Outstanding: Painting exterior west walls

**Lawn mowing:** Presently scheduled only for mid-month. Our mower is often used by Members later in month

**AREC:** Japie will attend meeting on 15<sup>th</sup> November.

Japie will assist at the Mamamarua Forest rally on 17<sup>th</sup> November.

**Visitor:**

Santos Andres EA4AK, President of Madrid club (240 Members) and Editor, arrived on 16 Oct for one day. Wes took him to the Clubroom to make DX calls. After lunch at St Heliers Cafe, Wallace accompanied him to walk up One Tree Hill, where lambs, open green spaces and low buildings took his interest. He was taken back to Viaduct Basin before catching a ferry to Waiheke Is.

Alan Duncan ZL1SKJ will join next year. He purchased a Kenwood TS450.

**Exams: Nets; QSL;** nothing to report;

**Web page:** Recommended that Constitution and By-Laws should be uploaded to a page on our web-site.

**Newsletter:** The next issue will be for two months and contain:

List of equipment for sale,

By-Laws

Notice of AGM on Tuesday 11<sup>th</sup> December (requiring 14 days notice).

**Remotely controlled station:**

Install ICOM 7300 and return K3 to George ZL1TUJ.

Wes offered to do this without change of the server's software.

**Membership: 35.**

**Meter reading: 52385.1**

**Antennas / Project plans:**

Tri-bander:

Rod used his welder to straighten the hinge of the upper pole that was bent after the mower had hit it.

Two of eight holes have been drilled. Task will take about 6 hours. Rod is authorized to hire another drill.

Epoxy has been purchased.

Wes will get short bolts

Steve and Harry will reposition the plinth and erect the top pole the following day (Sunday).

Antenna(s) for Yaesu FT736R at HF3. Not scheduled.

Concrete base for Satellite antenna to stabilize it – not urgent unless new Members want to use it.

**Future Events / entertainment / speakers**

Saturday 17<sup>th</sup> November

A working bee to erect Tri-band pole. No business meeting will be held.

Tuesday 11<sup>th</sup> December

AGM at 1930 hours.

**Component sales:**

Committee to continue to test, lookup and write selling blurb, set prices, and photograph them for sale.

The Kenwood 450 was sold for \$250.00.

The Kenwood 480 (200 watts) is pending sale.

Ian Falgar has four commercial antennas for sale.

Diamond CP6. 2½ months old.

Siro SD2726S 30 MHz Dipole New

Hustler 4BTV 75MHz and 80 MHz resonators

Carolina Windom 40 MHz New

**Review:**

Equipment to be insured has been valued for itemizing.

Draft By-laws (House rules): The Committee approved that these be published and recommended to the Annual General Meeting for adoption.

The meeting concluded at 21:15.



# Auckland Branch 02, NZART (Inc.)

## Minutes of 2017 Annual General Meeting Meeting

**On:** Tuesday 12<sup>th</sup> December 2017 starting at 2040 hours  
**At:** Clubrooms, 400 St Johns Road, Meadowbank

**Present:** Wes ZL3TE presiding, Wallace ZL1WAL, Gwynne ZL1AAR, Ray ZL1AJR, Japie ZL1JJN, Jeff ZL1TOU, Steve ZL1FS, George ZL1TUJ, Selwyn ZL1BRC, Bob ZL1AFU, Robert ZL2RED Olivier ZL1XS, Jimmy ZL1TGS (a quorum of at least seven financial Members). As recorded in the Attendance Book.

**Apologies:** Logan ZL1LMN, Harry ZL1ON Sustained ZL1WAL / ZL1AJY

**Minutes of Previous Annual General Meeting** on Tuesday, 13<sup>th</sup> December 2016 at 1940 hours.

Approved ZL1WAL / ZL1JJN

### Reports:

**President's Report:** Wes read out his report. Highlights included:

Thanks to Committee for support and to others in appointed positions;

Remote Station is reliable, and now using 2° ISP pay-as-go.

Policy about use of the Remote Station was passed by the Committee, yet to be adopted next year  
ZL1AA has been on the air as a remote station. We were awarded the 2016 Russian DX CW plaque  
Sadly we lost the JWFD Montgomery Cup (to Whangarei), so we will complete to win it back.

Sales of pre-loved gear have been made thanks to volunteers attending other branch's' sales venues

Clean up of the clubroom and the grounds is appreciated

Automation of antenna switching is planned for next year.

Received with acclamation (and will be published) ZL1WAL / ZL1AAR

**Finance Report:** The reviewed Income and Expenditure Statement, Balance Sheet and the Treasurer's Report was displayed and read. The result bettered last year's with a surplus of \$277, thanks to commissions earned from component sales. This includes the contingency of another \$450 for lawn mowing that has not yet been invoiced. Unpaid subscriptions were \$350 down from budget. Jeff expressed thanks to Steve for an early collection (before the raffle incentive expired) from 31 Members.

### Arising:

- The number of Members that "have joined at some time" (57) versus "are attached to" (62) the Branch, was explained. 26 of the former have let their Membership lapse. The latter are entitled to vote with us on NZART matters but are not compelled to join this Branch. There is universal apathy and ageism affecting participation in Branch activities / fellowship.

- The Budget for 2018 was displayed. It aims to break even.

The word "Reviewer" should be printed on the Balance Sheet; and when done, the President will sign approval of the accounts before they are filed with the Registrar of Incorporated Societies.

Received ZL1TOU / ZL1JJN

- Donations (\$935) by Members for the fighting fund are held in *resalire* trust pending future litigation.

That this amount lie on the table until next year for review ZL1TUJ / ZL1AJR

**Thanks** go to Mrs Christine Watson for reviewing the accounts.

**AREC Report:** Japie reported as follows:

The Whangarei car rally was supported

The Coromandel car rally was supported

The Hunua SCRAM bike race was supported

Jackets have been received

IDs for 5 people have been provided.

AREC meetings (3/4) have been attended.

Although DMR is being used by other emergency services; we will continue to use present equipment / frequencies / call-signs.

Received ZL1TUJ / ZL1JJN

### Other reports:

City Rail Link now leases 400 St John's Road. Our licence to occupy and access remains as before.

Junk in the depot belongs to Auckland Transport and will be relocated soon.

CRL are focussed on rail construction south out of Britomart; they have no plans in this vicinity

We learn from them that our clubroom is not regarded as an Auckland Council asset.

(2017 AGM Minutes Continued on page 8)

### Captain Bill Schlef ZL1BJN -SK

- Members paused in silence in memory of Bill Schlef, a Life Member and net controller of the Branch. His hard-earned QSL cards will be donated by his daughter Mrs Bonnie Cardwell who will visit soon.

### Elections:

<b>President:</b>	Wes Printz ZL3TE	Wallace ZL1WAL took the chair momentarily Elected unopposed with acclamation ZL1WAL/ ZL1AJR Wes ZL3TE resumed the chair
<b>Vice President:</b>	Steve Miller ZL1FS	Elected unopposed ZL1WAL / ZL1AJR
<b>Secretary:</b>	Wallace Bottomley ZL1WAL	Elected unopposed ZL1AJR / ZL3TE
<b>Treasurer:</b>	Jeff Lowe ZL1TOU	Elected unopposed ZL1WAL / ZL1FS
<b>Committee:</b> (max 6)	Ray Chapman ZL1AJR Gwynne Rowe ZL1AAR Japie Nel ZL1JJN Olivier Wardecki ZL1XS Jimmy Smith ZL1TGS  Vacancy (which can be filled later by co-opting).	Elected unopposed ZL1WAL / ZL3TE
<b>Reviewer of Accounts:</b>	Mrs Christine Watson (subject to her acceptance)	Elected unopposed ZL1WAL / ZL1FS
<b>Trustees of Call-sign:</b>	Wes ZL3TE and George Marr ZL1TUJ	Elected unopposed ZL1WAL / ZL1FS

### Appointments:

<b>AREC Section leader</b>	Japie ZL1JJN
<b>Deputy AREC S/L</b>	Soren ZL1SKL (subject to his continued agreement)
<b>Membership Secretary</b>	Steve ZL1FS
<b>Contact person</b>	Gwynne ZL1AAR
<b>Technical advisor</b>	Simon ZL1SWW
<b>Newsletter Editor</b>	Wes ZL3TE
<b>Web Master</b>	Andrei ZL1TM
<b>Remote Station Mgr</b>	Logan ZL1LMN
<b>Inventory Valuer</b>	Steve ZL1FS
<b>Librarian</b>	Olivier ZL1XS
<b>QSL respondent</b>	Olivier ZL1SKL
<b>SOTA leader</b>	Soren ZL1SKL
<b>Net Master</b>	Ray ZL1AJR and Steve ZL1FS
<b>ARDF Convenor</b>	Wallace ZL1WAL
<b>Contests</b>	Wes ZL3TE
<b>Historian</b>	Vacancy
<b>Maintenance</b>	Working bee
<b>Antennas</b>	Working bee

### Subscriptions:

Subscriptions will remain the same as last year: \$45 including \$5 raffle until 6<sup>th</sup> March; \$20 for students.

Approved ZL1TOU / ZL1WAL

The prize for the raffle is the 2017 edition of the AARL Handbook (hardback). Gwynne has purchased it.

The raffle will be drawn on 6<sup>th</sup> March 2018 at the Committee meeting.



## Change to Constitution:

<u>Proxies:</u>		<u>Held by</u>	<u>For</u>	<u>Against</u>
Harry Hart	ZL1ON	Wallace	1	

### Section 3, additional clause (c)

The motion appearing in the notice of AGM was amended as follows:

Replace “General Users Radio Licence” with “**General Amateur Operator Certificate**”.

Voting: 8 for / 4 against / 2 abstained. Approved ZL1TGS / ZL1AJR

Insert the word “**non-transmitting**” before the word “*membership*”.

Voting: 8 for / 0 against / 2 abstained. Approved ZL1TGS / ZL1JJN

Add next sentence: “**Such Members will not have voting rights**”.

Voting: 10 for / 0 against / 2 abstained. Approved ZL1WAL / ZL1TGS

The substantive motion to the amendment to the Constitution is:

#### Addition to Section 3:

*All persons who reside overseas and who do not hold a New Zealand issued General Amateur Operator Certificate and who wish to listen to and operate the receiver functions of the Remotely Controlled Station that is located at the Clubrooms in Auckland, may be admitted to non-transmitting membership by the Branch Committee. Such Members will not have voting rights.*

Voting: 10 for / 0 against / 2 abstained. Being a 3/5<sup>th</sup> majority, **approved** ZL1WAL / ZL1TGS

## Other Business

### Suggestions to Incoming Committee for working bee(s)

Reaffix the west pole and replace its tri-band antenna

The rotor is ready to install on the Nally tower, so that the quad antenna can be constructed

Add a 6m band to the quad

Building maintenance:

Internal wiring

Replace front steps

Painting west facing walls

Recruit Overseas listeners.

**QSL forwarding** is available only to financial Members of the Branch. Wes is liaising with ZL1 buro because we get sent many QSL cards for people that we do not know and are presumably attached.

#### **QRM in the clubroom:**

It was demonstrated that fluorescent lights are a cause

The earth stake is deemed to be ineffective in dry conditions.

**History:** Selwyn ZL1BRC presented an East-light file from which the 1926 – 1945 history of the Branch may be re-searched.

#### **Tender for Oscilloscope, etc.**

The tuner was sold.

Other items will be advertised on TradeMe with \$700 reserve. David ZL1TND will be advised.

**The Clubroom will not be attended** until 13<sup>th</sup> January 2018. Committee meeting 7<sup>th</sup> February.

The meeting closed at 21:46

Supper was served after the meeting, thanks to Ray Chapman, ZL1AJR.