



New Zealand Association of Radio Transmitters

ZL1AA - AUCKLAND BRANCH 02

NOVEMBER

2016



General meeting



SATURDAY NOV 19 @ 13:30

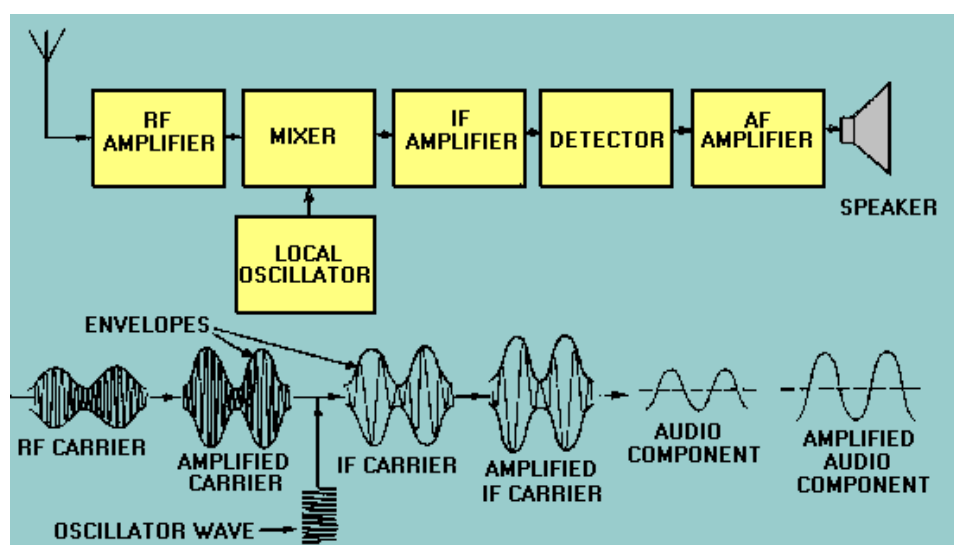
Steve Miller, ZL1FS

Direct Conversion or Superhet?

Club Room will be open at 10:30 AM

BBQ @ 1200

Steve will share his knowledge on Superhet receivers



AGM TUESDAY 13 DECEMBER AT 1930 HRS.

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.

ISS Space Station APRS VHF Link down, moved to UHF



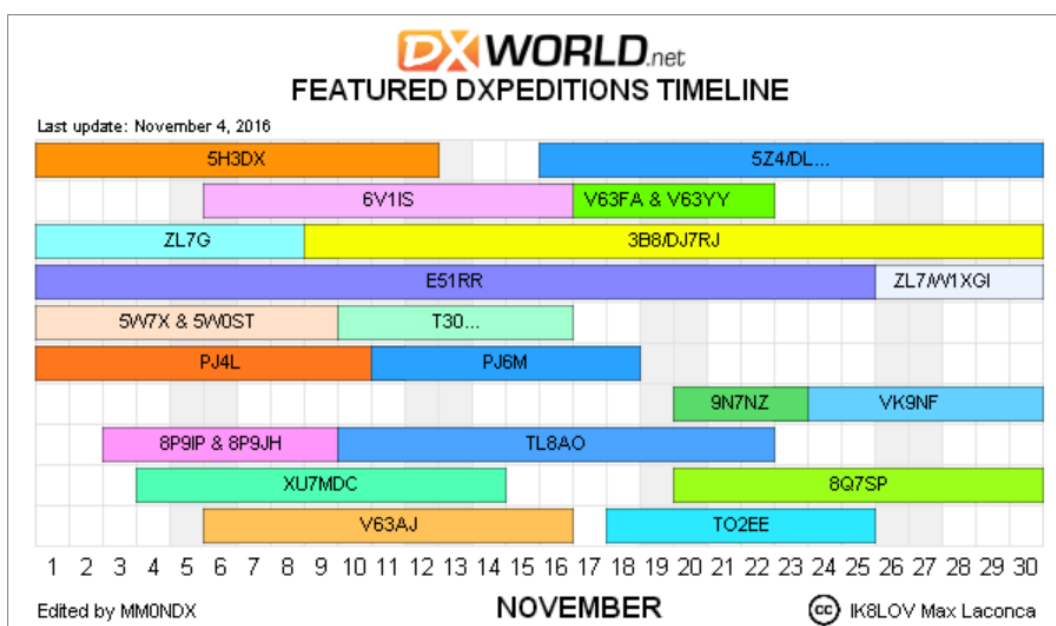
The APRS packet system that normally operates 145.825 MHz has not been available.

A work around has been to QSY the APRS to a UHF radio that had been in storage on the ISS, and it is now operational on 437.550 MHz.

The packet system uses the same protocol as the VHF system. Operators using the system should adjust for increased Doppler shift at UHF.

The replacement Kenwood TM-D710 due to a rigorous testing schedule has a target date for delivery is late 2017.

73 de IW2BSF - Rudy



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>

Nov 6-13

- WAE DX Contest, RTTY: Nov 12 / 13
- 10-10 Int. Fall Contest, Digital: Nov 12 / 13
- JIDX Phone Contest: Nov 12 / 13
- OK/OM DX Contest, CW: Nov 12 / 13
- SKCC Weekend Sprintathon: Nov 12 / 13
- Kentucky QSO Party: Nov 12 / 13

Nov 18-27

- YO International PSK31 Contest: Nov 18
- ARRL EME Contest: Nov 19 / 20
- LZ DX Contest: Nov 19 / 20
- All Austrian 160-Meter Contest: Nov 19 / 20
- **CQ Worldwide DX Contest, CW Nov 26 / 27**
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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 Unitary Plan Update

30 October 2016

Unitary Plan Update dated 28 July 2016 provided my interpretation on what the Independent Hearing Panel had recommended to Council, and which had been subsequently documented in the Decision Version of the Unitary Plan.

Unitary Plan Update dated 24 September 2016 dealt with some ambiguous language in the Unitary Plan which I had discussed with our Solicitors. At that stage the solicitors did not consider that the matter was sufficient to justify an Environment Court Appeal or a High Court Appeal, but they did recommend that anyone who gets into a misunderstanding with Council over Resource Consent issues should consult a lawyer rather than a consultant planner, because ambiguity in legal wording is best dealt with as a matter of Law than of Planning.

This Unitary Plan Update takes matters a little further. It appears that a person called K Vernon has appealed against the Decision Version of the Unitary Plan on a range of issues, one of which is "Height". As Amateur Radio Configurations depend very much on height, our solicitors, who are assisting a number of other clients on these issues, suggested we submit a Section 274 "Affected Party" notice to council. Then, if any relevant issues concerning Height come up, we will be notified and will have the opportunity to state our case.

Ellis Gould Solicitors have subsequently submitted a S.274 on our behalf.

If anybody wants copies of the above two Unitary Plan Updates, feel free to ask me.

Douglas Birt,
ZL1BFS
Local Government Liaison Officer
lglo@nzart.org.nz

Useful links to near real time propagation information, and advice on how to interpret that information.

http://www.gsl.net/w2vtm/hf_solar.html The site includes also many useful URLs as follows:-

<http://www2.arrrl.org/tis/info/pdf/0209038.pdf> ARRL - Understanding Solar Indices, by Ian Poole, G3YWX
<http://www.spaceweather.com> Daily space weather updates
<http://www.dxlc.com/solar> Solar Terrestrial Activity Report
<http://crlgin.nict.go.jp/sedoss/solact3> Solar-Terrestrial Activity Chart (Japan)
<http://www.sec.noaa.gov/ftpdir/indices/DGD.txt> Recent K and A values
<http://sidc.oma.be> Space Weather: The International Journal of Research and Applications (Belgium)
<http://solarscience.msfc.nasa.gov/SunspotCycle.shtml> The Sunspot Cycle
<http://www.spaceweather.com/glossary/sunspotnumber.html> Sunspot numbers and 400-year chart
<http://www.eham.net/DX/propagation> Links to many useful websites, with relevance ratings
<http://www.ngdc.noaa.gov/stp/GLOSSARY/glossary.html> Glossary
<http://www.arrrl.org/tis/info/k9la-prop.html> ARRL tutorial on solar effects on propagation
<http://www.sunspot.noao.edu/PR/answerbook/sunspots.html> Sunspot answer book
<http://www.sec.noaa.gov/radio> NOAA's Space Environment Center Radio User's Data
<http://soho.nascom.nasa.gov> Current SOHO images
<http://www.dxinfocentre.com/tropo.html> William Hepburn's Tropospheric Ducting Forecast
<http://www.arrrl.org/w1aw/prop> ARRL Propagation Bulletins

Additional VARA/W2VTM References

Working the Gray Line Tutorial - by Paul Hardin, NA5N

The Handyman's Guide To Solar/Geomagnetic Conditions - by Paul Hardin, NA5N

Space Communications Education/Reference Page - Links to space-related websites

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

Place / Date / Time: Clubroom, Tuesday, 1st November at 1930 hours

Attendees: Wes ZL3TE, Wallace ZL1WAL, Ray ZL1AJR, Gwynne ZL1AAR, Logan ZL1LMN, Lyndon ZL3DWF
and Members: Soren ZL1SKL, Olivier ZL1AAW and Selwyn ZL1BRC.

Apologies: Japie ZL1JJN, George ZL1TUJ (pro forma) Sustained ZL1WAL / ZL1AJR

Minutes: of the previous Committee meeting on Tuesday 4th October 2016. Wallace apologized that the dates shown on the circulated copy had been transposed. Accepted after correction of the dates ZL1WAL / ZL1LMN

Correspondence In:

- Newsletters: Franklin, North Shore, Papakura (by post); Hibiscus Coast; Auck VHF Group (by e-mail)
- Branch reflector of Newsletters from North Canterbury, Hasting / Napier, Rotorua, Hamilton, Gippsland.
- Auckland Council – Asking for evidence of Public Liability Insurance cover.
- Selwyn – Revised draft of Guidelines to operate the Remotely Controlled Station
- Vodafone – Change of name has been auctioned and Direct Debit authority invoked.
- Soren Low ZL1SKL – offering to take junk to Western Suburbs Radio Club sale.
- John Bannister – wishing to join Branch
- Alan Lyons MW0DRI – wishing to join Branch
- Chris Leigh – wishing to study for exam.
- Auckland Orienteers – timetable for Summer (mid-week after work events)
- Japie – AREC policy and form for nominating AREC Members
- NZART-HQ – Certificate of Public Liability Insurance for NZART Members only

Correspondence out:

- Auckland Council – Sending copy of President's Column in Break-in (about Public Liability Insurance).
- Stefan Powell – Arranging time to sit exam.
- NZART HQ – request for Certificate of Public Liability Insurance.
- Soren re keys to clubroom.
- Auckland Council – Certificate of Public Liability Insurance was sent. Received and approved ZL1WAL / ZL1AJR

Finance:

- Finance Report – Final Account for year ending 31st October (unaudited yet). Received ZL1WAL / ZL1LMN
- Lawns \$600 (not yet billed) will be accrued in the accounts to facilitate inter-year comparisons.
- Budget variances were discussed. Members' subscriptions were down. Rent (not budgeted) was high.
- A raffle for the latest ARRL Handbook will be run again because it incentivizes subs being banked before 31 March. Gwynne is authorized to order the next issue of the Handbook.

General Business:

- Reports: (This heading includes a repository of all matters that have not progressed since their introduction)
- Review of previous 3rd Saturday: The guest speaker was unavoidably detained.
- AREC: Santa Parade – no volunteers.
- Visitors: Three persons (two emigrating from UK), are intending to join this Branch next year.
- Exams: Stefan Powell has passed though he does not intend to be a Ham. He applied for ZL1SJP
- QSL: None
- Nets: Limited attendance. Various days have been tried. Subjects about Branch and Ham activity are interesting. Selwyn observed that daily nets on 3.696 MHz at 0730 and 1700 hours are successful.
- Contests: SSB WW DX last week-end. Wes made 300 contacts.
 - o He said that he has made over 5,000 entries in his log this year, which belies complaints about poor propagation,
 - o Next contest is the NZART Straight Key Night (see below).
- Newsletter: Deadline this weekend.
- Computers / network / phone line
 - o PC at Secretary's corner desk could host the General Use PC (to keep the doorway clear).
 - o Proposal for Mesh node to lie on the table until next year (after contract with Vodafone expires).
- Meter reading: 48885.4
- Maintenance
- Steps
- Power outlets on South and East side of building.
- Projector mounted on Ceiling – work in progress by Steve ZL1FS.
- Wattle trees branches have been cut as high as can be reached. Wallace's son will cut the trunks. Wes has volunteered to dispose of the branches /cuttings.
- HF2 operating position is now accessible.

(November Committee Meeting Minutes Continued on page 6)

- Western Suburbs Radio Club sale.
- Soren ZL1SKL has been given a key, so he and Jim ZL1TGS will pickup junk on table early Saturday.
- Wes will meet them there and he will give guidance about price / reserve price for major items.
- Remotely controlled station
- Subcommittee will meet on Tuesday 22nd November at 1930 hours:
- Antennas:
- Tower: Wes is testing rotor and controller and microprocessor.
- Occupancy:
- Health & Safety – Manual has been reviewed and it is in the fixture by the storeroom. Members are urged to read it.
- Meeting with ACP to resolve ownership of building – not yet scheduled.
- Future Events:
- Straight Key Night Sunday, 6th November for 2 x 1 hour sessions on 80m starting at 2000hours. .
- General Meeting 19th November: (John Martin is not available). No other speaker is arranged just yet.
- **AGM Tuesday 13th December at 1930 hours.**
- ARDF Inter-branch Competition – deferred until equipment has been tested and deemed to be reliable.
- Suggestions are sought for entertainers / speakers for general meetings in 2017

The meeting concluded at 2100 hours with supper provided by Ray ZL1AJR and Mrs Nicholl

Olivier ZL1AAW demonstrated his impedance measuring device interfaced to a PC to show SWR and Smith Chart. See www.AC6LA.com and read Zplots for explanation on this subject.

From The Chair ...

Where did the year go? 2016 is almost over, Guess what they say about time passing by quickly when you're having fun. This year has been fun and challenging working the DX with the solar cycle in a state of flux.

One last Major contest to get through, CQWW DX CW Nov. 27/27. I was delighted to see 19 logs from ZL stations submitted for the CQWW DX SSB contest last month. Hopefully there will be as many or more for the CW portion. Remember.. You ONLY Have 5 Days to submit your log after the close of the CQWW contests.

Recently, we made an appearance at the Western Suburbs BR 03 Sale. Thanks to Soren, ZL1SKL for dropping by the Clubroom Saturday morning to collect the goods. I arrived about 8:30AM with a few more items to donate towards the cause. In the end, The club added \$484.00 to the operating fund. Please think about donating something to the club for the next sale we may attend. We have had a presence at 2 major sales this year.

The End of the year will soon be upon us, which brings several items to the calendar. The Festive season will bring happiness and joy for many. Also on the calendar for Nov. 13th is the ZL1AA Annual General Meeting scheduled for 7:30 PM. This is your chance to attend the meeting that will steer the club into 2017. If you would like to join the committee, Run for an office, or would like to nominate someone for an office, elected or appointed, Please forward details to Wallace, ZL1WAL, our Club Secretary. Contact details are on Page 2.

I hope you had a chance to work the ZL7G team that have been on Chatham Island the past two weeks. The ZL7G Team : G3BJ, G3SVL, G3TXF, G3WPH, G3XTT, G4TSH and G4JKS. They have done a spectacular job.

The next ZL7 Operation is already planned: Haru, JA1XGI will be active from Chatham Islands as ZL7/W1XGI between November 24 to December 1, 2016. QRV on HF bands including participation during CQ WW DX CW Contest (November 26-27). QSL via H/c, LoTW.

73, Wes, ZL3TE

