



Franklin Amateur Radio Club Inc NZART Branch 10

President: Mike Jane ZL1UOM
 Vice President: Gary Landon ZL1WGL
 Secretary: Tom McDonald ZL1TO Ph. 09 238 8580.
 25 John St, Pukekohe 2120 E-mail zllto@nzart.org.nz
 Committee: Ted Doell ZL1BQA, Durlene Griffin ZL1ULK
 Club examiners: Ian ZL1PZ and Tom ZL1TO.

Web page: www.qsl.net/zl1sa/

MEETINGS: The club meets on the third Tuesday each month, in the clubrooms, Stadium Drive Pukekohe at 7.30 pm. Visitors welcome.

The committee meets on the first Tuesday of each month (excepting January) at 7.30 pm in the clubrooms. Subscriptions \$20.00, family \$30.00.

Nets every Sunday at 9.00 am on 3.700 MHz and 9.30 am on the 146.900 MHz repeater. 2 metre frequencies are 145.775 MHz, then 146.625 MHz, and 146.900 simplex if repeaters off air.

Newsletter: Editor Tom ZL1TO tom.mcdonald@xtra.co.nz
 A copy is sent to members and clubs in the Auckland area. Sent free of obligation by e-mail to anyone interested.

Hotspots for digital modes

The meeting on 18 September was treated to a live demonstration by Ted ZL1BQA and Steve ZL1TZP. A variety of digital handheld radios and their hotspots were demonstrated. The hotspots were all home built, with Raspberry Pi processors. Most hotspots had their own small full colour display screen to show the current status of the channel. All hotspots were wirelessly connected to the



Above: Yaesu and Ailunce handheld transceivers and their hotspot hardware.

internet. In addition the screen display on an Apple computer was connected to the clubhouse monitor so that the audience could see what was going on.

The modes covered included DStar, DMR, YFS, P25 and NXDN. The radios came from manufacturers Icom, Yaesu, TYT, and Ailunce. In most cases the radio frequency is in the 70cm band, with 2 m also common. Most of the radios are capable of working FM analogue in addition to their digital mode.

Thank you Ted and Steve for providing the members with an appropriate technical topic that was working well.

Club Notice Board

General meeting, Tuesday 16 October

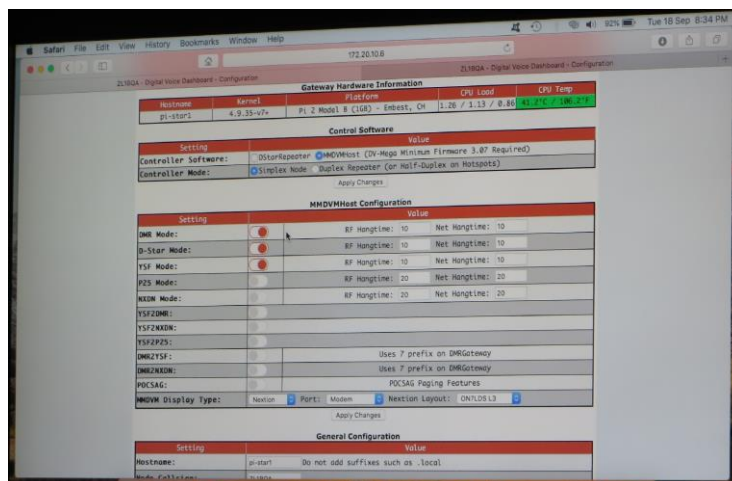
Mike ZL1UOM will bring his Marconi test equipment. Members asked to bring sample VHF and UHF transceivers for testing. The test equipment has 0.01W accuracy in its power meter, and very accurate frequency measurement. FM deviation can be measured on a modulation meter. Receiver sensitivity can also be assessed.

Annual General Meeting, Tuesday 20 November

The business includes receiving reports from the President, Treasurer, Editor, and AREC.

We elect President, Vice President, Secretary/Treasurer and a committee of at least two more. Do consider letting your name go forward for any of the officer positions or the appointed positions. Written nominations close 14 days before the AGM and may be accepted from the floor where there are insufficient written nominations.

The evening is likely to conclude with an extended rag chew over supper.



Above: Digital voice dashboard configuration settings



Minutes of Franklin Amateur Radio Club (Inc) General Meeting held in the Clubrooms Stadium Drive Pukekohe on 18 September 2018

Chairman Mike ZL1UOM opened the meeting at 1930 hours.

Attendance: ZL1UOM, ZL1TO, ZL1PZ, ZL1BQA, ZL1TZP, ZL1ULK, ZL1WGL, ZL1PJH, ZL1LL.

Apologies: ZL1GAC

Minutes: The minutes of the August meeting were approved as a true record. ZL1WGL / ZL1BQA

Correspondence: Inward: Newsletters received since publication of September QUA from Branches 03, 86
Report on correspondence was received. ZL1TO / ZL1BQA

Finance

Payments: Contact Energy \$47.13 reimbursed T McDonald
Watercare now \$2.92 in credit
Receipts: Sub in advance. All junk sale bills settled.
The finance report was received. ZL1TO / ZL1ULK

Reports

Mike ZL1UOM spoke in relation to the Klondyke tower maintenance project. We may be in a position to put some finance into the project.

Mike ZL1UOM has heard that there is an intention for a maintenance crew to go to the Bombay 690 repeater next month, when the weather is dry.



Minutes of Franklin Amateur Radio Club (Inc) Committee meeting, 2 October 2018

Chairman Mike ZL1UOM opened the meeting at 1938 hours.

Attendance: ZL1UOM, ZL1TO, ZL1ULK, ZL1WGL

Apologies: ZL1BQA

Minutes:

The minutes of the September meeting were approved as a true record. ZL1WGL / ZL1TO

Correspondence

Inward: Newsletters received since previous club meeting from Branches 03, 65, 86

FMG agreeing the cover is \$65920 (& \$47380 depreciated) and contents \$3000 (& \$1500 depreciated)
The inward correspondence. ZL1UOM / ZL1WGL

Finance

Payments: T McDonald \$47.13 reimbursement Contact Bill
Contact Energy \$56.93 paid 28 September

Receipts: Interest \$1.22
Peter ZL1PJH suggests \$100 to qsl.net for web page. A decision will be made at the AGM.

We can discuss a contribution to the Klondyke tower project at the AGM in November.

A copy of the cash book for 2018 was at hand for perusal.
The finance report was received ZL1TO / ZL1ULK

AREC: Tom ZL1TO referred to the report in QUA on the car club rally in Maramarua Forest on Sunday 9 September. There has been no sign of petrol vouchers to date. Durlene ZL1ULK had a problem with her mobile transceiver and could not get in to the 690 repeater on the way down. That radio was set up radio on arrival at Maramarua.

A Day/night rally is anticipated on 14 October. There has as yet been no request for operators. Those likely to be available if required – Gary ZL1WGL possibly.

There are still no nibbles for the lattice tower at Onewhero, or steel tube tower outside the clubhouse. The tube tower needs some work before it will work again. Ted ZL1UOM suggested that one may be best offered as free for removal.

General Business

October meeting: Bring along VHF rigs for testing.

November: AGM. Reports for publication in QUA have a deadline of 13 November.

Positive Ageing Expo: We are booked for Friday 28 September. Tom ZL1TO, Gary ZL1GAC and Durlene ZL1ULK will attend. Gary ZL1WGL will be nearby with the caravan club. Others available - Peter ZL1PJH (afternoon from 1230 or 1300), Lynnette ZL1LL. The primary frequency Bombay 690.

Ian ZL1PZ reported that his recent poor VHF signal was because of a broken coax cable. Now fixed. Ian can now get the 690 repeater, as VHF net controller Sunday mornings.

The meeting closed at 1954 hours

Reports

AREC: Car Club Hill climb at Maramarua to be held on Sunday 7 October. Bob ZL1BBZ and Ian ZL1PZ have volunteered for the communications team. Both have a second operator.

Gary ZL1WGL is available if the day/night rally that is rumoured to be 14 October goes ahead.

Positive Ageing Expo: Seven members were at the Club stand at various times on Friday 28 September; Tom ZL1TO, Lynnette ZL1LL, Durlene ZL1ULK, Ian ZL1PZ, Gary ZL1GAC, Gary ZL1WGL Peter ZL1PJH. The hall was busy in the morning, but clientele thinned during the afternoon, with many stands packing up as much as half an hour before 3 pm. No licensed hams popped by this year.

Among the visitors were (first names only) Andrew, Angela, Deigh, Kevin, Graham, Graham, Danny.

Those with email addresses agreed to be added to the QUA email circulation list.

Towers: No bites to date. Gary ZL1WGL has volunteered to shift the steel pipe tower before it is taken for scrap.

Gary ZL1WGL had letter from FMG regarding insurance renewal. The new value will be \$76000 + \$3000 contents. We have no need for public liability cover as the NZART parent body scheme can cover us. The fire extinguishers were checked tonight – all good.

November: Annual General Meeting.

The meeting closed at 2130 hours.

NEWSLETTERS FROM OTHER BRANCHES

03. (September – arrived by email 17 September) 22 September meeting will have a video on the Search for a Better Battery. Simon Walkden had success in the amateur examination. Used equipment sale 3 November. Brian G4BIP, description of sailing cruise in NZ waters. The Battle of Signal Hill in Newfoundland and Cabot Tower radio station.

12. Meeting topic 17 October: Checking Handhelds with Robin and Kevin. Offer of IC R8600 from RWB the Icom agent. Sunspot update. Guide to HF contesting.

65. By email 1 October. A very informative issue. 10 minute talks at meeting 3 October. Magnetic loop project. Western Suburbs sale 3 November. First club members have installed HF remote software. Rescue run Woodhill Forest report, using the massive Auckland Civil Defence mobile communications base. Papakura Hamfest 16 March 2019. Portable 20m aluminium telescopic mast for sale. Editor erects another tower. Conflict between Invercargill downtown DStar repeater and remote car key fobs.

66. Cover - AM broadcast antenna at Lincoln Road. Talk in September on FM and AM Broadcast Technology with Vern Talbot. Klondyke tower quotation revised saving \$20,000 but money is required to get the job done. Funding is being

Franklin Positive Ageing

The 13th annual Positive Ageing Expo was held at the Indian Hall in Ward Street Pukekohe on Friday 28 September.

The club set up a stand in our usual manner. The display items comprised the home brew receiver that was reported in August QUA, with Ian ZL1PZ in attendance to explain its idiosyncrasies. We were running an FT-857 to monitor local repeaters with the antenna a home brew magmount clinging to a fire extinguisher on the wall behind us. A computer was on hand to show sample exams, and archive copies of our newsletter and Break-In. Lynnette brought along her folder of award certificates. Literature included the NZART brochure on amateur radio.



3 applied for from funding agencies and has to meet the criteria. Pledges being sought. Coaxial relays.

80. Jumbo Challenge 3 October. Jock White field days to be discussed 10 October. HF receive antennas on 14 November. Earth station meeting 24 October. Western Suburbs junk sale 3 November. History of the elephant in Trophy. Logic puzzle. Design for circular polarisation using patch feed. Report on science of radio telescopes at Warkworth.

86. Update from RSM on the prohibition of unrestricted 2 way radios. Modulator for BC-AO 230 Transmitter. Historic ZLD distress logs of MV Maranui in 1968 published at maritimeradio.org Morse Telegraphy and the violin. Golden Globe Yacht Race: competitors may only use equipment that was available in 1968/9 to navigate and contact the outside world. Invercargill key fob problems.

NZART

It's not them

It's us



Above Ian ZL1PZ, Durlene ZL1ULK and Lynnette ZL1LL with the displays in front.

If you made a radio call to us it is likely we would not have heard it among the big background of multiple conversations in the hall. After all there were 100 stands and more than 1500 people came to the show at various times of the day.

This newsletter is being sent to those of you who shared an email address. It was interesting to hear the stories and history of the visitors who took time to have a chat with us.

At left Peter ZL1PJH and Tom ZL1TO are caught by candid camera while discussing how the paddle works.

How good is your transceiver?

At the general meeting on **Tuesday 16 October** Mike ZL1UOM will bring along test gear, including a Marconi frequency analyzer. This will show whether your favourite rig is still producing the clean output that it had as a youngster.

Annual General Meeting

Notice is given that the Annual General Meeting of Franklin Amateur Radio Club Inc will be held at the clubhouse, Stadium Drive Pukekohe on Tuesday 20 November, starting at 7:30 pm.

Business will include:

- Reports for year ending 31 October 2018 from President, Treasurer and others.
- Election of President, Vice President, Secretary/Treasurer and Committee – for which nominations, in writing, close with the Secretary on Tuesday 6 November. Where insufficient nominations are received by 6 November, nominations may be made from the floor of the meeting.
- Appointment of AREC Officers, Net controllers, Custodian, Newsletter Editor.
- Setting the committee spending limit and signatories to bank accounts.

WESTERN SUBURBS RADIO CLUB

PO BOX 15-122 NEW LYNN 0640 AUCKLAND

EQUIPMENT SALE SATURDAY 3 NOVEMBER

at the ROSEBANK ROAD PRIMARY SCHOOL HALL
217 ROSEBANK ROAD, AVONDALE.

SELLERS 0800hrs. BUYERS AT 0900hrs

BOOKINGS and PAYMENTS

MERV ZL1SK mervthomasmusic@gmail.com
(09) 828-7174 027-499-0262

IAN ZL1RCA sangsfam@gmail.com

ANDREW ZL1AF andrew52@outlook.co.nz

GRANT ZL1GSM grunta13@gmail.com

NOTE: ALL un-sold equipment to be removed by vendor at close of sale

ALL VISITORS \$2-00 ENTRY

SALE CLOSING AT MIDDAY.

CAFETERIA with HOT SAUSAGES, biscuits, tea or coffee available on site.

EVEN IF YOU ARE NOT BUYING OR SELLING COME ALONG FOR THE FUN AND MEET FELLOW ELECTRONIC ENTHUSIASTS, ALL N.Z.A.R.T. BRANCHES, PRIVATE and COMMERCIAL VENDORS ARE MORE THAN WELCOME.

ELECTRICAL, ELECTRICAL TOOLS, ELECTRONIC, ANTENNA, COMPUTER RELATED ETC

SELLERS NOTE. There are limited power outlets available, so please bring your own power boards and leads if required.

Further detail at <http://www.amateurradio.co.nz>



For Sale

30 foot tilt over tower

Arborist will cut back trees to allow removal.

From the estate of the late Bob Knowles.

Contact Tom McDonald in the first instance.



Where to find more

Conditions to import radios such as Baofeng, Pofung and Wouxun.

<https://www.rsm.govt.nz/about-rsm/news-updates/latest-news/update-on-the-prohibition-of-unrestricted-two-way-radios>

How the DStar repeater in downtown Invercargill upset the remote key fobs of Hyundai cars parked nearby.

<https://www.stuff.co.nz/national/106902631/dozens-locked-out-of-car-in-invercargill-cbd-because-radio-equipment-blocked-car-remotes>

Things to do with a handheld transceiver, as described in the latest issue of BreakIn.

<http://www.chchhamradio.org.nz>

Pictures from Positive Ageing 2018

https://www.facebook.com/pg/districtpost/photos/?tab=album&album_id=1061591780678324

The Western Suburbs sale

<http://www.amateurradio.co.nz>

The Secretary can forward electronic copies of current newsletters from our neighbouring clubs on request.

Likewise the NZART submission regarding the Waikato District plan can be forwarded on request.

Send an email to zl1to@nzart.org.nz