



Franklin Amateur Radio Club Inc NZART Branch 10

President: Mike Jane ZL1UOM
 Vice President: Gary Landon ZL1WGL
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 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.

Cooking with microwaves

After the club meeting on 16 April two members, Mike ZL1UOM and Tom ZL1TO discussed several aspects of cooking with microwave ovens.

Mike showed the microwave wave power units of several models covering a span of thirty years. It is plain to see that much of the reduction in cost of an oven is due to the power supplies now coming in smaller and lighter weight, with switch mode supplies now being the norm.

Tom noted that the 2450 MHz frequency is not a resonant frequency of water molecules. If it had been then a microwave oven would cook the surface only, rather than penetrate a centimeter or so before the waves are completely absorbed. Further, Tom had produced a spreadsheet model to predict the heating performance of an oven whose power rating is known.

The meeting was told of an easy fix for the blown light bulb in the oven used in our demonstration. There is an access panel at the rear of that model. That oven is now in pristine condition and working as it ought.

At right, Mike ZL1UOM tests an old microwave oven for leakage. There was no escape! At the top, on the club TV, a spreadsheet model predicts the time it would take to heat 1 kg of water from 18.3°C to 27.1°C. in this 600W oven. The prediction was spot on, to the second.

Club Notice Board

General meeting, Tuesday 21 May

The general meeting for May, which starts at 7:30 pm, will deal with remits to NZART conference.

Car Club Rally sprint Sunday 26 May

We are supplying four stations for safety communications at a South Auckland Car Club event. We will know a few days before the 26th whether the minimum 25 entries has been achieved.

Franklin Junk Sale, Tuesday 16 July

Our annual sale takes the place of July's monthly club meeting. As usual it is a conducted sale, which makes for an entertaining evening.





Minutes of Franklin Amateur Radio Club (Inc) General Meeting held in the Clubrooms Stadium Drive Pukekohe on 16 April 2019.

Chairman Mike ZL1UOM opened the meeting at 1935 hours.

Attendance: ZL1UOM, ZL1TO, ZL1BQA, ZL1WGL, ZL1ULK, ZL1BBZ, ZL1PZ, ZL1GAC, ZL1LL, ZL1TZP, ZL1PJH, ZL1ERI.

Apology: David McNeill ZL1TO / ZL1WGL

Minutes:

The minutes of the March meeting were approved as a true record. Small correction – It was not Ian ZL1PZ who was stung by a wasp – it was a runner. ZL1BQA / ZL1TO

Correspondence:

Inward: Newsletters from Branches 03 (March), 29, 65, 88, 86 as described in QUA.

Report on correspondence received ZL1UOM / ZL1BQA

Finance:

Payments: Since balance date reimbursements totaling \$185.34 and, Contact Energy for March \$45.66

Receipts: \$20 for cash sale.

The finance report was received and approved.

ZL1TO / ZL1WGL

Reports

AREC: South Auckland Car Club Rally Sunday 26 May. Volunteers to date ZL1PJH, ZL1BBZ, ZL1PZ, and the 4th



Minutes of Franklin Amateur Radio Club (Inc) Committee Meeting held in the Clubrooms Stadium Drive Pukekohe on 7 May 2019

Chairman Mike ZL1UOM opened the meeting at 1939 hours.

Attendance: ZL1UOM, ZL1TO, ZL1BQA, ZL1WGL, ZL1ULK

Minutes:

The minutes of the April meeting were approved as a true record. ZL1BQA / ZL1WGL

Correspondence:

Inward: NZART Branch circular, including voting roll for FARC at conference and Branch Office holder data for callbook.

Waikato Plan - Summary of Submission Points and Further Submission form.

Booking made for FARC at Franklin Positive Ageing Expo 2019.

Newsletters from Branches 29, 65, 80.

Report on correspondence received ZL1TO / ZL1WGL

Finance:

Payments: Reimbursement to ZL1TO \$185.34
Contact Energy for March \$45.66

volunteer will be ZL1TO / ZL1ULK. David ZL1DK has been advised. Bob ZL1BBZ mentioned that we are not an active section, but it was explained that AREC is now managed to match Police districts.

Club house wall wash was completed earlier today.

General business

Jumbo Trophy:

There will be a Jumbo Trophy Challenge tomorrow night at Silverdale. Nobody from our club is likely to be in the area.

Topics at next club nights:

May: NZART remit night. There are two remits to discuss.

July: Junk sale. There are still some offerings from Bruce ZL1TDH that did not reach last year's sale. Barbara Knowles is boxing up items from ZL1BAD Bob's shack and they will be available at the sale. Ted ZL1BQA said it would be nice to have the gear from Bob before the next committee meeting so that it can be checked over. Ian ZL1PZ advised that our sale has been going continuously for around 60 years – even before the clubrooms were built. Ted ZL1BQA said that the market for 'junk' is small, but 'appliances' are still in reasonable demand.

QUA was particularly thin in its April issue. The editor would really appreciate extra material.

The meeting closed at 2005 hours.

Then followed a discussion and some experiments on 'Cooking with Microwaves' with contributions led by Mike ZL1UOM and Tom ZL1TO.

Since balance date

Contact Energy for April \$50.51

Receipts: Cash sale \$20

The finance report was received and approved.

ZL1BQA / ZL1TO

Reports

AREC: South Auckland Car Club Rally Sunday 26 May. Volunteers ZL1PJH, ZL1BBZ, ZL1PZ, and the 4th volunteer will be ZL1TO or ZL1ULK. Durlene has trouble resetting the mobile Alinco DR-605. Manuals are available on the web.

General business

Topics at next club nights:

May: NZART remit night. There are two remits to discuss. We have 23 votes to allocate. Ted ZL1BQA suggested a special get together to sort junk, or we could make a start tonight.

It is noted that Peter ZL1PJH is an expert on fixing computers and might be asked to give a talk one night.

June: To be determined.

July: Junk sale. There are still some offerings from Bruce ZL1TDH that did not reach last year's sale. The status of offerings by David MacNeil need to be assessed – they are predominantly of commercial data communication types. Barbara needs to be contacted to arrange Bob ZL1BAD estate offerings.

The meeting closed at 2015 hours.

03. Talk on 25 May “Supercapacitors in conjunction with Lithium-ion batteries”. President and AREC section annual reports. Mid-winter dinner 12 June.

29. Meeting 6 May - Tristan ZL1ATS presenting Marvel/Roger Coms. Matt ZL1MOR and Chris ZL1CLM newly licensed. Julian ZL1ABX made Life Member. Malcolm ZL1MIT gave presentation on SARTrack at 29 April meeting.

65. Remit meeting 1 May, followed by Kaikoura Coast road video. Sangster Shield contest 18 May. Maramarua Forest car club rally 28 April. Air conditioning units installed. Advertising REG sale 18 May, Whangarei junk sale 27 July. YL coffee get together at Kings Plant Barn, Takanini, 2: 30pm Saturday 11 May. Fire stations award runs 15 May to 15 June.

66. First radio class spanning 4 Sundays completed. Remit meeting 13 May, with video “Secret Wireless War” to follow. Klondyke report on radio and antenna performance. – pines to be replanted from June. Report on visit to OL3Z antenna farm and club station near Prague.

80. Retained Jumbo Trophy. Future of Jumbo Trophy. Good performance in Jock White Field Day Contest. Facebook page : <https://www.facebook.com/ZL1HCR/> May meeting 8 May for remits and talk on Astronomy.

Franklin Junk Sale

The sale will be held in the clubhouse, 19 Stadium Drive, Pukekohe on **Tuesday 16 July** starting promptly at 7.30 pm.

The Franklin Sale is a conducted sale with the club acting as an intermediary between seller and buyer. It would be appreciated if all transactions are completed on the night.

A complimentary supper will round out the evening.

NZART

It's not them

It's us

Kordia – National System Fire Station Award

The 70 cm nationwide system of repeaters is being activated from 15 May to 15 June for an award being run by this year's conference host, New Plymouth Amateur Radio Club. Points are allocated for contacts between amateurs, one of whom needs to be within sight of a fire station. The rules are at www.zl2ab.com

At right is a list of fire stations in our general area. How about coming up on the National System from the locality of one or two?

Slow slip earthquakes off shore from Gisborne

There has been an ongoing swarm of small earthquakes to the east of Portland Island. The danger does not come from these 'quakes, but from the adjoining locked zone where accumulating stress may, over a period of time, build up to a level where a major 'quake will occur. A similar pattern was observed in the lead up to the Honshu 'quake and tsunami of 2011.

As always it is a smart move to have radio equipment charged and ready to go. We do not know when the big one is coming!

Ahuroa Voluntary Rural Fire Force	300 West Coast Road, Makarau, Auckland
Awhitu Voluntary Rural Fire Force	2678 Awhitu Road, Awhitu, Auckland
Bethells Beach Voluntary Rural Fire Force	Bethells Road, Waitakere, Auckland
Hunua Voluntary Rural Fire Force	4 Lockwood Road, Hunua, Auckland
Kaiaua Voluntary Rural Fire Force	19 Puriri Avenue, Kaiaua, Hauraki District
Kaitoke Voluntary Rural Fire Force	81 Hector Sanderson Road, Great Barrier Island (Aotea Island), Auckland
Karekare Voluntary Rural Fire Force	Lone Kauri Road, Karekare, Auckland
Kaukapakapa Voluntary Rural Fire Force	945 Kaipara Coast Highway, Kaukapakapa, Auckland
Kawau Voluntary Rural Fire Force	Wilson Avenue, Kawau Island, Auckland
Okia Voluntary Rural Fire Force	1501 Aotea Road, Great Barrier Island (Aotea Island), Auckland
Onewhere Voluntary Rural Fire Force	621 Onewhere-Tuakau Bridge Road, Onewhere, Waikato District
Orere Point Voluntary Rural Fire Force	2 Orere Point Road, Orere Point, Auckland
Puhoi Voluntary Rural Fire Force	52 Ahuroa Road, Puhoi, Auckland
Shelly Beach Voluntary Rural Fire Force	33A James McLeod Road, Shelly Beach, Auckland
Tryphena Voluntary Rural Fire Force	22 Rosalie Bay Road, Great Barrier Island (Aotea Island), Auckland
Beachlands Volunteer Fire Brigade	2 Bell Road, Beachlands, Auckland
Clevedon Volunteer Fire Brigade	40 Clevedon Kawakawa Road, Clevedon, Auckland
Howick Station	511 Pakuranga Road, Howick, Auckland
Kawakawa Bay Volunteer Fire Brigade	6 Banks Road, Kawakawa Bay, Auckland
Mangatangi Volunteer Fire Brigade	2084 Miranda Road, Mangatangi, Waikato District
Mangere Station	88 Bader Drive, Mangere, Auckland
Manurewa Station	225 Great South Road, Manurewa, Auckland
Mercer Volunteer Fire Brigade	Roose Road, Mercer, Waikato District
Oneroa Volunteer Fire Brigade	3 Weka Road, Oneroa, Auckland
Onetangi Volunteer Fire Brigade (Auxiliary)	10 Totara Road, Onetangi, Auckland
Otahuhu Station	14 Albion Road, Otahuhu, Auckland
Otara Station	341 East Tamaki Road, East Tamaki, Auckland
Papakura Station	76 Great South Road, Papakura, Auckland
Papatoetoe Station	15A Lambie Drive, Papatoetoe, Auckland
Patumahoe Volunteer Fire Brigade	3 Johns Street, Patumahoe, Auckland
Port Waikato Fire Brigade (Auxiliary)	83 Maunsell Road, Port Waikato, Waikato District
Pukekohe Volunteer Fire Brigade	24 Wellington Street, Pukekohe, Auckland
Tuakau Volunteer Fire Brigade	Hall Street, Tuakau, Waikato District
Waiapu Pa Volunteer Fire Brigade	Clarks Beach Road, Waiapu Pa, Auckland
Waiuku Volunteer Fire Brigade	13 King Street, Waiuku, Auckland