



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 zl1to@nzart.org.nz  
 Committee: Ted Doell ZL1BQA, Durlene Griffin ZL1ULK  
 Club examiners: Ian ZL1PZ and Tom ZL1TO.  
 Web page: [www.qsl.net/zl1sa/](http://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](mailto: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.

## Remote control of HF transceivers

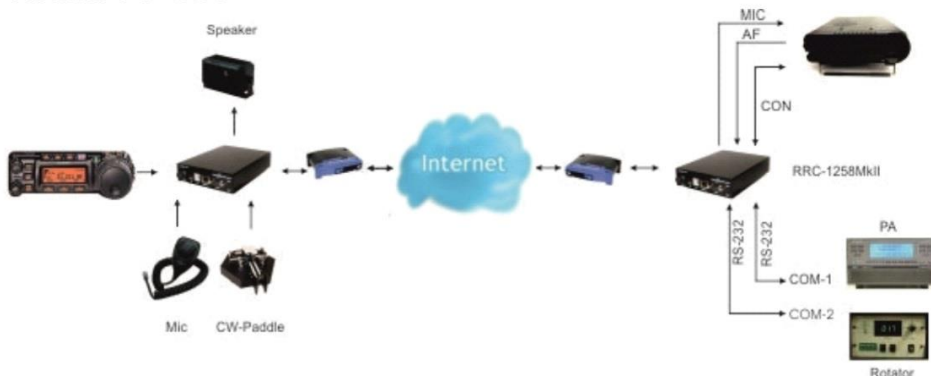
Members were treated by an informative and fast paced presentation at the August meeting.

Two approaches to solving the problem of remote control were explored. Our neighbours in Papakura are looking to establish a club remote station using one of these methods.

### The Hardware solution

Nigel ZL2SEA (below) has a quiet location in the far north, with HF G5RV antennas for 160 m, 80 m and 40 m slung from mature pine trees in a plantation that has been thinned. The remote transmitter is a Yaesu FT857. The FT857 has a detachable front panel. Yaesu have a box that connects the radio end and the detached front panel at the remote end. No additional computer is required.

## Yaesu FT-857



## Club Notice Board

### General meeting, Tuesday 18 September

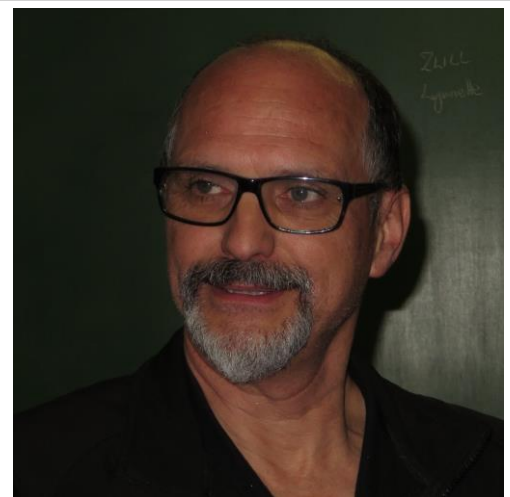
The talk will be given by Ted ZL1BQA and Steve ZL1TZP on digital hotspots and their use with the different digital modes available.

### Franklin Positive Ageing, Friday 28 September

We have a stand booked for this year's Expo. The venue is the Indian Hall on Ward Street Pukekohe from 9.30 am to 3.30 pm. There will be live radio activity and people from the club available for just a chat and maybe some reminiscences.

### General meeting, Tuesday 16 October

Members are invited to bring transceivers to be tested on Marconi test gear.



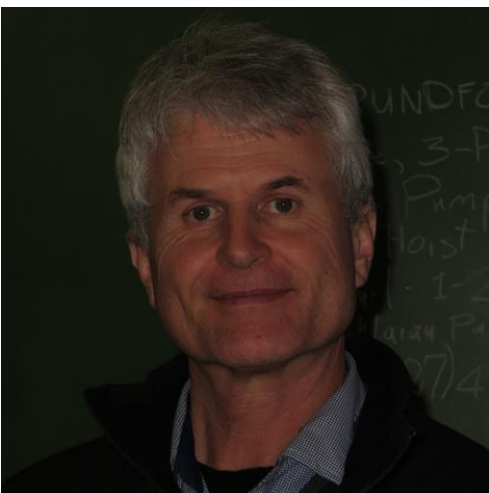
Gavin ZL1NUX (above right) uses a software solution. In his case the transceiver is in a residential part of Papakura with a high noise floor.

Conditions are somewhat better at the Papakura Radio Club site on the Great South Road. ICOM radios are well suited to the RS-BA1 software.

The software solution is less expensive than hardware. An advantage for a club station is that a single software licence can cover the use of one transceiver by a larger number of remote stations. Again, both ends need an internet connection.



Above: The RS-BA1 control screen





**Minutes of Franklin Amateur Radio Club (Inc) General Meeting** held in the Clubrooms Stadium Drive Pukekohe on 21 August 2018

Chairman Mike ZL1UOM opened the meeting at 1930 hours.

Attendance: ZL1UOM, ZL1TO, ZL1PZ, ZL1BQA, ZL1TZP, ZL1ULK, ZL1WGL, ZL2SEA, ZL1NUX, ZL1GIT, ZL1GAC, ZL1PJH, ZL1LL.

Minutes: There was no meeting in July, due to the junk sale. The minutes of the June general meeting were approved as a true record. ZL1TO / ZL1WGL

Correspondence:

Inward: Since the reports in QUA, August newsletter from Branch 03. Inward received ZL1UOM / ZL1BQA

Finance:

The club cleared \$760 from the junk sale.  
Receipts and Payments: As reported in QUA.  
The finance report was received. ZL1UOM / ZL1BQA

Reports

AREC: There was no representative at the regional meeting on 16 August. Our section leader has told the meeting that Franklin sees sense in going over to geographical groups rather than sections. Amateurs were not required at the Goldrush Rally.

Junk sale: Very few accounts to settle. Estate has been paid.

General Business

September meeting: will be on digital modes, in a talk given by Ted ZL1BQA and Steven ZL1TZP.

Positive Ageing Expo: We will need volunteers on Friday 28 September. Fresh ideas for the display are welcome.

Web site: Peter ZL1PJH has set up a site. See QUA for the URL. Well done Peter.

ZL1PZ receiver: Ian ZL1PZ has the set going again – fixed a dry joint and reconnected the dial cord.

The meeting closed at 1937 hours with Nigel ZL2SEA and Gavin ZL1NUX taking the floor for a presentation on remote control of HF transceivers.

**Branch 12 Market Day**

The next annual Market Day is to be held on 15th September, 2018, Waikato Table Tennis Stadium, Edgumbe St, Hamilton. Don't miss out! Sellers have access from 8 am and buyers can enter at 10 am. Table space will be \$20 per space if booked in advance but will cost \$25 per space on the day. As always there is free entry for buyers and there will be food available for purchase at the cafeteria. More details on the Hamilton Club web site at [zl1ux.org.nz/market\\_day.html](http://zl1ux.org.nz/market_day.html) including a seller's registration form.



**Minutes of Franklin Amateur Radio Club (Inc) Committee meeting, 4 September 2018**

Chairman Mike ZL1UOM opened the meeting at 1938 hours.

Attendance: ZL1UOM, ZL1TO, ZL1BQA, ZL1ULK, ZL1WGL

The finance report was received and the bill approved to be paid. ZL1BQA / ZL1WGL

Reports

AREC: A Day/night rally is anticipated on 14 October. Car club rally Maramarua Forest Sunday 9 September from 9am to 4.30pm. Franklin volunteers are ZL1TO, ZL1BBZ, ZL1PZ, and ZL1ULK with ZL1WGL back up.

Auckland AREC had a meeting on 16th August at Branch 66. Several groups had no activity to report.

ZL1TDH Shack: Several more boxes have been delivered by Paul ZL4AX. The tower was dismantled and transported off site. Thanks to Paul for seeing through a job that none of us wants to happen, but who know has to be done.

Editor was encouraged to keep advertising the ZL1BAD tower, which like the ZL1DYC tower, has had no nibbles to date.

General Business

September meeting: Ted ZL1BQA and Steve ZL1TZP will talk about various hotspots and digital modes.

October meeting: Mike ZL1UOM will bring his Marconi test equipment. Members asked to bring transceivers for testing.

November: Annual General Meeting.

Positive Ageing Expo: ZL1TO, ZL1GAC, ZL1ULK attending.

Bombay repeater: The Tait repeater is one of the more modern units. Suggested that water may have ingressed the feed line to the antenna. Papakura and Manukau radio clubs appear to be looking at alternatives to 690 for their Sunday morning nets.

The meeting closed at 2050 hours

Minutes: The minutes of the August meeting were approved as a true record. ZL1TO / ZL1BQA

Correspondence

Inward: Newsletters

FMG insurance (To sign that depreciated values are around 50% replacement cost as in their estimate. Valuer certificate required if we dispute the amount. This is required as FMG has a fee to pay NZ Fire Service based on property value).

That we sign off the depreciated value of \$47360 and \$1500 ZL1WGL / ZL1TO

IRD re tax return. Further action required of the Secretary.

Inward correspondence is received ZL1BQA / ZL1WGL

Finance

Payments: Contact Energy \$60.31  
Contact Energy \$47.13 to reimburse T McDonald  
Watercare now \$2.92 in credit  
Receipts: Isolating transformer \$22  
Subscription 2018/19 in advance \$20

# NEWSLETTERS FROM OTHER BRANCHES

02 Richard Gamble to speak on AREC 15 September. 144 contacts over lighthouse weekend. Satellite AO-92 experiencing interference over US. Reminder of satellite sub bands, 145.8 to 146.0 and 435 to 438 MHz, in particular 435.36 MHz. New land mobile radio, G band between 174 MHz and 184 MHz.

03. (August – this was relayed to August general meeting) Meeting 25 August topic low power transceivers by Roy ZL1LK and Andrew ZL1AF. Western Suburbs used equipment sale 3 November. Christmas dinner 13 December. Report of AREC regional meeting on 16 August - Land SAR training course in September or October.

12. Cover photo - testing a solar-powered FT-8900 cross-band VHF/UHF station for deployment in an off-grid village. Hamilton sale 15 September at Waikato Table Tennis Stadium, Edgumbe Street. Fifteen days of visible sunspots in September - a new sunspot cycle may be starting. Stolen Te Uku repeater found among unclaimed goods in rental storage shed so 5675 will be back on air by Christmas.

29. Doppler function of electro-cardiogram. Junk sale from

## Car club rally

On Sunday 9 September the South Auckland Car Club was host to the final round of the ABC Pipe Fitters series along logging roads in the Maramarua forest. There were 49 entries.

David Karrasch ZL1DK from Papakura Radio Club recruited the operators to provide safety communications. In all eight stations were involved; four from Papakura and four from Franklin.

The course ran for around 6 kilometers along Ridge Road from near its junction with Okaeria Road then down Quarry Road to end near the forest headquarters. Much of Ridge Road has been recently milled, so there was an open landscape to make judging the curves a lot easier.

The day got off to a slow start with the forest gate being locked and causing participants to queue for what seemed ages. The first batch of operators had arrived by 7.30 am.

3 three estates, 3 September. Theft of communications caravan, and its recovery freshly repainted. President Graham in Austria. Tower for sale at outskirts of Pukekohe. Converting digital mode interface to fit a 4 pin audio socket of new HP computer. (To be scanned and forwarded to committee.)

65. September general meeting – 10 minute talks and Klondyke Tower – ZL1ICU. Working towards making the club HF station accessible to members of the club from a computer. Started the installation of some heat pumps. Lighthouse weekend at Manukau Heads. Dismantling a tower. Earth tilted by Japanese earthquakes. (Franklin members were encouraged to hear the presentation on Klondyke tower.)

66. Cover photo - Warkworth radio telescope. Meeting topic 10 September "High Power broadcast transmitters". Renovations and painting clubrooms near complete; landscaping and car park starting shortly. \$40000 tagged for Klondyke project. Report of Branch 80 visit to Warkworth radio telescope and the science objectives of the telescope.

80. Meeting topic 12 September "Planning for 2019 Jock White Field Days". Earth station funding and construction planning. Taranaki award 22-26 September - rules in full. Circular polarization with patch feed.

NZART

It's not them

It's us



Bob ZL1BBZ and Tom ZL1TO set up the 6825 repeater at a high point on the junction of Ridge and Quarry Roads. With a fresh breeze it was considered prudent to set the radiating element above a minimum of poles. The repeater, with its new Panasonic 100 Ah valve regulated battery performed faultlessly.

In addition to Start (ZL1TO) and Finish (ZL1ULK) we had operators at Point B (ZL1BBZ) and Point C (ZL1PZ). Papakura manned Point A, two mobile stations and Base.

The first run started at 11 am and the final, after four stages was complete by 4.30 pm. There were one or two "offs" but no major incidents.

The photos show two of the entrants in the recent event, but as they were pictured last year.





**FRANKLIN  
G  
POSITIVE AGEING  
EXPO**

Franklin Positive Ageing

**LIFE BEGINS AT 65**

Email: [franklinpositiveageing@gmail.com](mailto:franklinpositiveageing@gmail.com) Phone: 09 232 8859

Facebook: [www.facebook.com/franklin.positiveageing](https://www.facebook.com/franklin.positiveageing)

**Friday 28 September  
9.30am-3.00pm  
Pukekohe Indian Hall  
Ward Street, Pukekohe**



Over 65, live in Franklin and want to come but don't have access to transport? Dial White Rose Cars on 238 9728 to discuss free transport

The club has a place booked for this year's exhibition. We are in our regular position at the back of the hall, where we have electric power and an easy run for antenna cables, through a window to the outside of the hall.

If members have new ideas of what we might display, or have working, then lets hear those at the meeting on Tuesday 18 September.

It pays to bear in mind that there is a high level of ambient

audio noise in the hall, and the RF environment is also rather busy!

We shall also take names and times for the hours that our volunteers can give at Tuesday's meeting. A small team will be required to set up on Thursday 27<sup>th</sup>.

The organizers insist that as an exhibitor we must be on hand through the advertised opening hours.



**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.



### Digital Modes

The general meeting on **Tuesday 18 September** will feature a talk and demonstration on digital modes. The presenters will be Ted ZL1BQA and Steve ZL1TZP.

Venue is the clubhouse, 19 Stadium Drive, Pukekohe.

### 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.

### Towers available

In addition to the lattice tower advertised in the panel at left we also have a dismantled steel tube tower available in Pukekohe.

There are three telescoping sections to this second tower. Some work will be required to get this one back in working order. It has been designed to have the telescoping sections crank up, and the whole assembly is a tilt over style.

Talk to anyone on the committee if interested.