



## Committee

President: Gary Landon ZL1WGL

Vice President: Peter Henderson ZL1PJH

Secretary: Tom McDonald ZL1TO Ph. 09 238 8580

with: Mike Jane ZL1UOM, Ted Doell ZL1BQA, Durlene Griffin ZL1ULK, and Mike Lee ZL1MFL.

Examiners: Ian ZL1PZ, 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, 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 (controller ZL1UOM) and 9.30 am on the 146.900 MHz repeater (controller ZL1PZ). Other 2 metre frequencies are 145.775 MHz, 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.

## Midwinter dinner



Above is a happy group of YL amateur operators. From left Lynnette ZL1LL, Durlene ZL1ULK, Ingrid ZL1ING and Jacky ZL1WA.

A short report and a photo of the others is on page 3.

## Jock White Field Day result

It's a long time back to 27 February; the weekend of the annual HF contest. Franklin's team operated from Attewell Road, just a matter of a few meters inside the Waikato region. So when lockdown was announced shortly after 2100 hours we did dismantle. In the six hours that we were operating the team managed to contact the greatest number of branch stations of any club on phone.

An extract from the recently published results is reproduced below.

## Hastings Trophy - Phone Only

CALL		80 metres					40 metres					Tot Mult	Total Score	Pwr Out	BRANCH
		QSOs			Branches		QSOs			Branches					
		Ph	CW	DX	Ph	CW	Ph	CW	DX	Ph	CW				
1	ZL1VK	419		3	30		258		10	25		55	118855	100	65 Papakura
2	ZL2KO	345		1	30		203		2	24		54	90396	100	20 Manawatu ? Section
3	ZL1REG	300		1	28		189		3	25		53	79871	100	89 Radio Elect. Group
4	ZL6YOTA	319			30		96			19		49	61005	100	11 Gisborne
5	ZL1SA	136			31		105			27		58	41934	100	10 Franklin
6	ZL4KA	234			31		46			18		49	41160	100	31 Pahiatua ? Central

## Club Notice Board

### General Meeting, Tuesday 17 August

We shall have the usual business session starting at 7:30 pm.

Then to follow there will be a variety of items. Mike ZL1UOM intends to show us some experiments in bending light. And Peter ZL1PJH can bring us up to date with his progress in Morse code. There is also an opportunity for others to tell us about the things in amateur radio which are giving excitement at the moment.

### AREC Auckland Region meets Thursday 19 August

This meeting is scheduled to be held at the VHF Group clubhouse, Hazel Avenue, Mt Roskill starting at 1930 hours.

### Hamilton Market Day, Saturday 21 August

Venue is Gordonton Hall. Buyers from 10 am. New and secondhand amateur radio equipment. RWB Communication (Icom) will be in attendance. New and secondhand radio and electronic parts.

### Lighthouse Weekend

This annual activity runs Saturday and Sunday 21 and 22 August. The team from Papakura, heading to Farewell Spit, intends to come up daily from Thursday on the National System at 0815 hours NZ where announcements may be made on the frequencies to be used.

Teams from New Zealand are activating Fairwell Spit, Castlepoint, Cape Campbell, Bean Rock, Tiritiri Matangi and Mokohinau.



## General meeting 20 July

We had no general meeting in July. This year the rules of the pandemic response allowed us to assemble the number of people that a junk sales needs.

The sale was supported by contingents

from Whangaparoa and Papakura in addition to our own members.

The proceeds were healthy, and the items that did not change hands at the sale found new homes with the help of the internet.

Below: The crowd as seen from the front bench



**Minutes** of Franklin Amateur Radio Club (Inc) Committee Meeting held at the clubhouse 19 Stadium Drive, Pukekohe, 3 August 2021

President Gary ZL1WGL opened the meeting at 1934 hours.

Attendance: ZL1WGL, ZL1TO, ZL1PJH, ZL1ULK, ZL1UOM, ZL1BQA

Apology: ZL1MFL accepted. ZL1BQA / ZL1WGL

Minutes of the 6 July 2021 meeting.

The minutes were approved as true and correct.

ZL1PJH / ZL1TO

Correspondence:

Inward

Newsletters from Branches 03, 13/23, 29, 65, 80, 86.

Outward

With David ZL2DW concerning potential new amateur..

With Andy ZL1COP re Teams meeting for AREC 5 August.

The correspondence report was received. ZL1TO / ZL1PJH

Finance:

Income ... Junk sale purchases \$8.00, \$41.00, \$25.00, \$576.50, \$183.00

Junk sale raffle profit \$87.00

Subscription \$20

Expenditure ... Contact Energy Power to 18 July \$50.62

Ratify payment of power bill, and approve \$22.50 to a member for sale of enamel copper wire. ZL1TO / ZL1PJH

The report was received.

ZL1TO / ZL1WGL

Reports:

Midwinter dinner at Waiuku Cosmopolitan Club "Shunters Club". There have been good reports from the dinner.

A matter of discipline was referred to one committee member for follow up.

Junk Sale. Ted's voice lasted well.

AREC: There will be a meeting on Teams, 5 August. Tom ZL1TO will attend.

General Business:

Several prospective hams may be shifting to our area.

The incidence of acts of minor vandalism around the club house have been increasing. Photographs of some of the damage have been circulated within the committee. Management of Carls Junior are also concerned as they are also being affected. Carls Junior have not been satisfied with the response of Council and Police.

The Secretary was asked to write to the Council, mentioning that an imposition has been put upon us by a prior council overarching decision – the skatepark.

Next meeting. Peter ZL1PJH reported on potential speakers.

Unsold junk. Gary ZL1WGL has removed virtually all the unsold boxes a few days after the sale with a view to sorting and taking some later to the scrap merchant.

Peter ZL1PJH has a dummy video camera that may work as a deterrent to bad behaviour around the clubhouse.

The meeting closed at 2126 hrs



# NEWSLETTERS FROM OTHER BRANCHES

03. (July) July meeting Andrew ZL1AF with videos on Chokes and Antennas. New call signs Grant ZL1KVA and Brook ZL1BJM. Muffin recipe. Franklin junk sale advertised.

13/25. (July) Cover photo Wharite TV tower with extra reinforcing legs. Relaxing after Conference weekend. Hastings junk sale. Rally of Hawkes Bay. Knowledge Bank of Hawkes Bay includes amateur radio snippets. Short lengths of coax for sale.

29. New Trans-Pacific cable brought ashore 13 July. Meeting 2 August at Smales Farm operations centre. July meeting Dennis ZL1TAY on passive infrared detectors. Field survey to verify predictions of PRS coverage in Greenhithe, from 'Radiomobile Online'. To activate Tiritiri on Lighthouse weekend 21-22 August. Russian woodpecker radar a National Heritage site. New RSM radio spectrum usage chart.

65. Meeting 4 August - ZL1RJS on Spitfire flight. Arduino at Activity and Project Nights. Waitakere Sprints voice and CW. Solar Cycle 25 sunspot and flux update. Charging batteries and sizing a battery for the job. 438.575 MHz repeater relocated to Meadowbank. International lighthouse weekend 21-22 August. Gordonton Market Day 21 August. International space station regains attitude control

## Mid-Winter Dinner

This year the club, and visitors from Papakura gathered at Waiuku Cosmopolitan Club on Friday 23 July. All told, there were 23 people attending.

The atmosphere was convivial and the food came in magnificent portions of great quality.

Below: A composite candid view of those at dinner



3 following unplanned thrust during new module docking. ALARA contest 2829 August.

66. Cover photo – on the bridge of a large ship from talk by Vaughan ZL1VH. Construction night 9 August. Working bee 15 August. Hamilton Market Day at Gordonton Hall 21 August. Proposal for 33 cm ATV repeater at Nihotupu with reprinted article from Q-Bit.

80. Fortieth Anniversary 28 August. KiwiSAT web site modernisation. Ten pin bowling 14 July report.

86. Cover picture - what are the mystery holes each side of station windows? Visit by ALO Don ZL2LL. Encouraging members to activate lighthouses 21-22 August. Interesting vintage QSL card of Ralph Slade Z4AG in Dunedin.

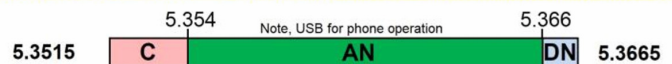
89. Hamcram report and photos, 9/10 pass rate. Pot luck lunch 14 August. Glenview Club a building site. AREC meeting 15 August. AREC competencies framework.

## Bandplan for 60 m

Do note that a sublicence must be obtained and the maximum power is 15 W.

The recently published NZART bandplan is:

**5.3515 to 5.3665 MHz - 60 metres, Please note - Sub licence from NZART is required**



NOTE! There is not yet a 60 metre allocation in the GURL for Amateur radio. NZART holds a secondary user licence for the spectrum assigned for 60 m in the IARU Region 3 Bandplan. To use 60 m in NZ you must obtain a new sub licence from NZART.

Please refer to: <http://www.nzart.org.nz/info/60m/>

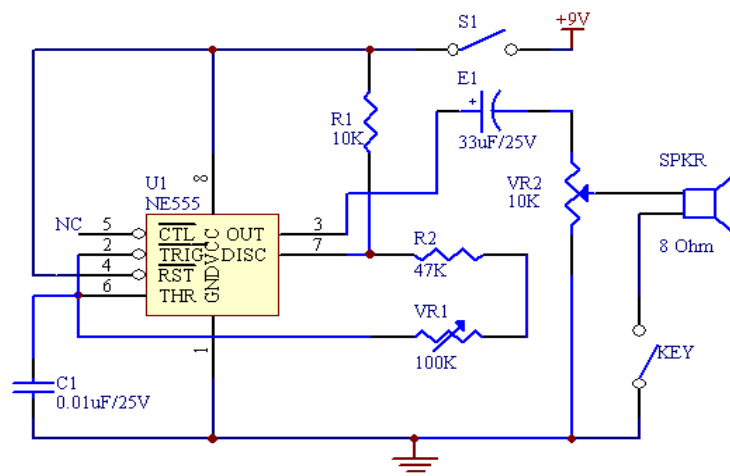
## Slow Morse

Peter ZL1PJH has been coming up Monday to Friday on 3545 kHz at 2030 hours NZ with a session of slow morse. Characters are at 20 words per minute, but with big gaps between letters so that words come at around 8 or 9 words per minute. Several amateurs have been treating this session as a warm up for the NZNet at 2100 hours.

Peter Henderson (ZL1PJH)

**Wednesday 7 July 2021**

Here is my circuit...

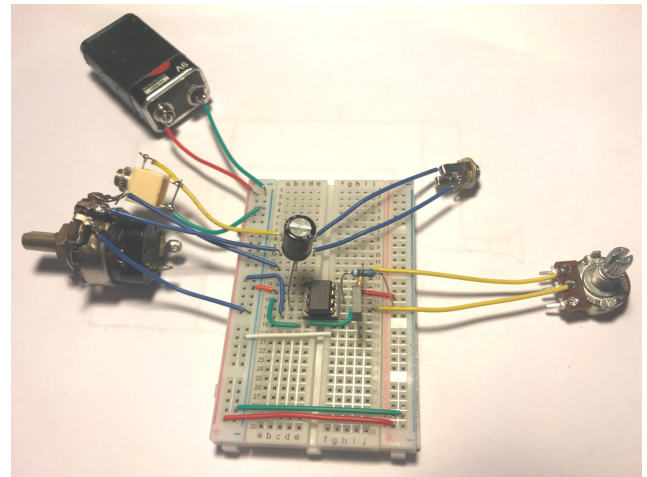


So does it work? It works very well. There are no clicks or jumps. I can change both pitch and volume as the designer promised. I am now able to make Morse transmissions that are something like those I listen to in the evening practice sessions. My immediate thought is ‘will this help me increase my receiving speed?’ Only time will tell.

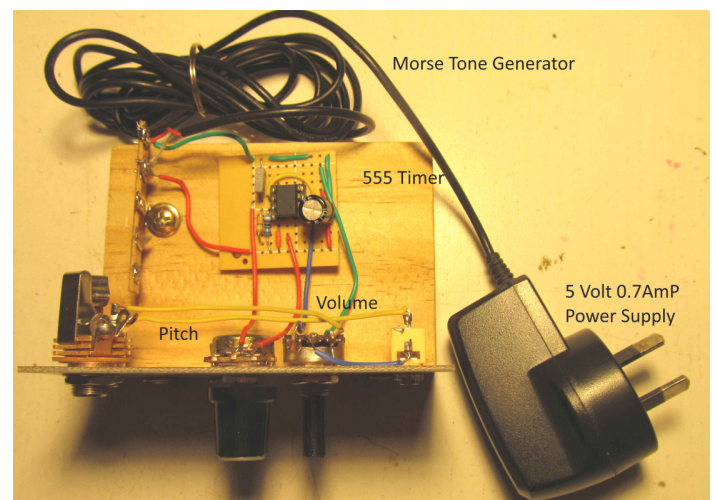
I am glad to have found a good circuit for a Morse tone generator. I have a completed model now mounted on its own platform, fully soldered. It works well and I practice Morse sending for up to 30 minutes a day. As you saw in my previous photo, a 9-volt battery provided power. However, after four or five days, I noticed the sound was weaker than



It is a cold afternoon, a good day for indoor ham activities. I feel motivated to make the Morse tone circuit I downloaded on Wednesday. However, a note of scepticism creeps in. I have downloaded many circuits that did not work. I must be sure the timer and surrounding components will produce a tone. Searching in the shack, I find a test board with many holes and begin to push components and wires into the appropriate slots. Some components like potentiometers and sockets will not match a test board environment so I solder small wires to them to make them fit. At the end of a couple of hours, I have a circuit ready. As appropriate, the 555 timer occupies a central position with attendant resistors capacitors in orbit about it. The 3.5 mm socket on the left is a Morse key connection; the potentiometer next to it will



before, then stopped altogether. The problem? I had not designed a switch for this circuit in the mistaken belief it only used current when I pressed the Morse key. What happened was the 555 timer kept on absorbing current regardless! I fixed that today by soldering in a power supply that I can plug into the mains. Here is the fully finished tone generator that will I hope will move me into the world of CW.



With headphones connected, I can now practice Morse sending in complete privacy and with the connection to mains power, I do not have to replace batteries.