



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/

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
A copy is sent to members and clubs in the Auckland area. Sent free of obligation by e-mail to anyone interested.

Carrier Wave

Members were privileged to hear from Neil ZL1NZ as he gave a presentation on CW and the Morse code at our June meeting.

CW is the original radio mode with which hams keep the Morse skills alive. It is powerful. CW gets through! Its unambiguity is great for formal traffic and it has duplex ability with full break in.



Above: With a selection of paddles and a bug.

Club Notice Board

Franklin Junk Sale, Tuesday 20 July

The Franklin Junk Sale is back again. It will be held in the clubhouse, 19 Stadium Drive Pukekohe. Start time is 7:30 pm prompt.

Our sale is led by a sales conductor.

Vendors are encouraged to bring their items in saleable lots.

Buyers are asked to pay to the cashier, on the night, or register with the cashier prior to the sale if making electronic payment. The Club's account with the BNZ is 02-0404-0157944-00p. If making electronic payment please identify with your callsign and Junk Sale in the reference fields.

The door will open at 7.00 pm.

Vendors may arrange for items to be delivered ahead of the sale by contacting the Secretary at 09-2388580 or 0210-8186962 or zl1to@nzart.org.nz

At the conclusion of the sale a complimentary supper will be served.

Although the third Tuesday is usually given over to a general meeting, there will be no general meeting in July. The entire session is Junk Sale.

Midwinter dinner, Friday 23 July

The club has arranged for a dinner at the Waiuku Cosmopolitan Club on the Friday following the junk sale. As we can not guarantee at least 30 attending we shall eat a la carte, assembling at 6 pm to sit down at 6.30 pm.

Neil runs a net of relatively experienced Morse operators on 3.535 MHz daily at 9.00 pm. It is impressive how quickly messages can be put through when the good operating techniques that Neil described are used. The Q code is encouraged, and even then there are further abbreviations which experienced operators can use to speed up the process further.

More pictures appear on page 3.



Minutes of Franklin Amateur Radio Club (Inc) General Meeting held at the clubhouse 19 Stadium Drive, Pukekohe, 15 June 2021

President Gary ZL1WGL opened the meeting at 1932 hours.

Attendance: ZL1WGL, ZL1TO, ZL1NZ, ZL1PZ, ZL1PJH, ZL1BBZ, ZL1ULK, ZL1MFL, ZL1BQA, ZL1TZP, ZL1DW, ZL1LL, ZL1AMQ, ZL1GAC, John.

Apology: ZL1UOM accepted ZL1BQA / ZL1TO

Minutes of the 18 May 2021 meeting.

The minutes were approved as true and correct.

ZL1BQA / ZL1TO

Correspondence:

Inward - Newsletters from Branches 03, 13/25, 29, 65, 80 as outlined in June QUA, plus Branch 86.

Outward - Follow up of incident at Maramarua car rally 28 March.

The correspondence report was received. ZL1TO / ZL1PJH

Finance: Expenditure:

Power bill from Contact Energy paid 3 June \$50.81

We remain in credit with Water Care.

The finance report was received. ZL1TO / ZL1PJH

Reports:

Conference 2021 in Napier - Major topic headings are outlined in June QUA. The remit passed on voices



Minutes of Franklin Amateur Radio Club (Inc) Committee Meeting held at the clubhouse 19 Stadium Drive, Pukekohe, 6 July 2021

President Gary ZL1WGL opened the meeting at 1932 hours.

Attendance: ZL1WGL, ZL1TO, ZL1PJH, ZL1ULK, ZL1MFL, ZL1UOM, ZL1BQA

Minutes of the 1 June 2021 meeting.

The minutes were approved as true and correct.

ZL1BQA / ZL1TO

Correspondence:

Inward: Newsletters from Branches 13/25, 29, 65, 86, 80.

Outward: Further follow up of incident at Maramarua car rally 28 March.

With potential new amateur regarding setting up a SDR dongle that he has bought.

The correspondence report was received. ZL1TO / ZL1PJH

Finance

Expenditure:

Reimbursement of \$30.00 to Peter ZL1PJH (petrol voucher).

Power bill from Contact Energy paid 6 July \$51.13

We remain in credit with Water Care.

The payment of power is ratified and finance report accepted.

ZL1WGL / ZL1BQA

following an explanation by Don Robertson ZL2TYR and a very brief discussion. Ted ZL1BQA asked about the feeling of Conference with respect to the options being considered for decreasing the size of Council. Conference was asking for opinions from the membership without pressing for any particular option.

AREC: As in June QUA, there was a regional meeting on Thursday 20 May at Papakura..

Also in QUA - Mike ZL1MFL and Durlene ZL1ULK went to the AREC meeting in Hamilton. David ZL1DW asked about obtaining reflective jackets.

Steve ZL2UCX reported and demonstrated at Conference the first of a series of on-line training modules that he is developing. More are likely to be available by the end of the year.

David ZL1DW has viewed SARTrack and mentioned that the program is not open source. Ted ZL1BQA suggested that tracking software should also be compatible with iPads and Android phones.

General Business:

Midwinter dinner at Waiuku Cosmopolitan Club "Shunters Club" – join in with the locals on a Friday night 23 July. Choose from the Shunters menu. Meet 6:00 pm for a 6:30 pm sit down. The arrangements are in June QUA. David ZL1DW would like to see an MC welcome the guests. The meeting was warned that we are sharing the facility with the general public, but a welcome will be made. Durlene ZL1ULK wants our numbers one week before the event.

The meeting closed at 1954 hrs

Reports:

Conference 2021 in Napier has been reported in June QUA and to the general meeting. A fuller report by Vaughan ZL1VH can be seen in the July 29ER from Branch 29. Options for the make up of future Council are outlined in Infoline Edition 432.

AREC: There was a good attendance by ZL1TO, ZL1ULK, ZL1WGL, ZL1MFL, ZL1PJH, ZL1DW, ZL1BBZ and ZL1LL from Franklin at the Papakura AREC meeting on Wednesday 30 June. Topics covered included:

Structure of AREC; Comms Plan; Training - in modules; Message handling – using the NATO phonetics; Prowords.

General Business:

Midwinter dinner at Waiuku Cosmopolitan Club "Shunters Club" – join in with the locals on a Friday night 23 July. The menu has been circulated, and an invitation extended to members of Papakura Radio Club. The Cossie Club will want to have our numbers one week before the event. Durlene ZL1ULK is taking the RSVPs with another 8 taken tonight. No numbers yet from Papakura.

Peter ZL1PJH is one of three amateurs who are broadcasting the morse on the National System – but Peter's radio is now on the blink. Is there a suitable rig in the club shack? Answers were generally unhelpful to solving the problem.

Franklin Junk Sale. We start at 1930 hours. Jobs were allocated. The meeting decided to sort out the gear tonight. Prime items are on display on the mobile table at front of the room.

The meeting closed at 2030 hrs

NEWSLETTERS FROM OTHER BRANCHES

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13/25. 155 attended conference. Hawkes Bay car rally 28 July. The VLF towers at Exmouth. Project – RF field strength meter. Hamcram programme of Manawatu Amateur Radio Society ZL2KO.

29. JOTA 16-17 October with kit building exercise. New web site. KiwiSat report from conference launch cost \$1000000. Conference report. 87th anniversary 24 October. Lighthouse weekend application under way. Talk by Simon ZL1SWW on digital voice modes.

65. (July) Arduino programming a possible project activity. Conference report. Dumped electric cars in France. Papakura sale 3 July. Testing batteries. Franklin sale and dinner. Telescope for far side of the moon.

66. Cover photo – processor tray of KiwiSat. Meeting 12 July to hear ZL1VH on Marine Electronics. Show and tell reports from 14 June meeting. Ideas for amateur television – Channel 25 is out – possibility in amateur 33cm band. Report on Hibiscus Coast EME (earth moon earth) project.

80. Ten pin bowling 14 July. KiwiSat interest categorized as either *Keep me informed*, *Core group*, *Consultants*. First task a values proposition. Earth station is a 4.5 m mesh dish. 40th anniversary dinner 14 August. Papakura sale 3 July.

86. (June issue received 15 June) Ann Walker has relinquished being Editor. New Editor Martyn Seay ZL3CK. Straight key night 13 September. Remote operation program for Icom radios by KB9RLW <https://gitlab.com/eliggett/wfview> Wednesday AM net 3.850 MHz at 1130 hrs. Collier and Beale T98 transmitter operational on 7.125 MHz AM. Good articles on soldering and LED street lights. The QJE PS30SWIV power supply.

86. (July) Papakura car boot sale 3 July. Windows 11 in development. Napier Faraday Museum. KiwiSDR wideband receiver project. Gordonton Market Day 21 August. Soldering (part 2) by Gavin ZL1NWX.

Franklin Junk Sale

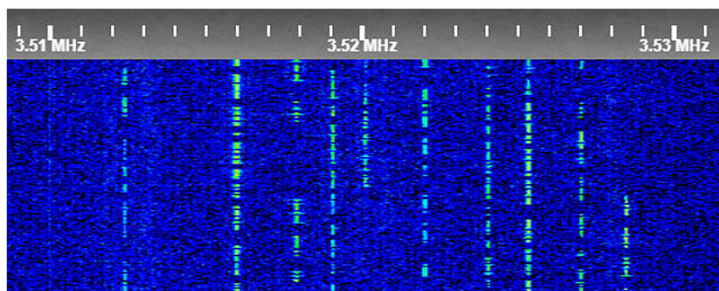
Allocation of jobs:

Sales Conductor	Ted ZL1BQA
Assistant to Sales Conductor	Gary ZL1WGL
Runners}	Peter ZL1PJH
	Mike ZL1UOM
Cashier	Durlene ZL1ULK
Float	Mike ZL1UOM
Sellers book }	Tom ZL1TO
Buyers book }	
Raffle} Sales	Peter ZL1PJH
Raffle} Produce (with members bringing home produce where available.)	Gary ZL1WGL
Supper (members a plate)	Lynnette ZL1LL

More from a night of CW and Morse Code



Ian ZL1PZ has used this CMOS super keyer with message memories, and the keyboard keyer at HF Field Days.



Ten simultaneous CW contacts on straight key night 2020.

Mid-Winter Dinner

We would love to see as many as possible club members, their families and amateurs from our neighbouring clubs at the dinner, Waiuku Cosmopolitan Club, 23 July.

It is suggested that those attending aim to arrive around 6.00 pm and order the meal soon after, as it may well be 6.30 before the cooks have done their deed.

Please advise your numbers to:

Durlene ZL1ULK cyclinggriffins@gmail.com



Attentive audience.

Morse Diary: Peter learns Morse code

Peter Henderson ZL1PJH

Saturday 29 May 2021

I find a circuit that will generate Morse code sounds. The circuit requires a 555-timer integrated circuit and I locate one of these amongst my collection of electronic bits. Luckily, I also find all remaining components, including an 8 ohm speaker. I replace the speaker with a set of headphones and add a 10 k potentiometer to adjust the volume. I add these changes to the circuit so that I will be sure to solder the components together in the correct way. I am successful with the build as the circuit generates a Morse tone on the first press of the paddle. There is a strong 'click effect' with each character but I decided to ignore this for the present and focus solely on my paddle skills. After thirty minutes on the paddles, my fingers feel like a pumpkin given a needle to thread!

Tuesday 8 June 2021

Tonight I practise receiving Morse at 7:30 p.m. for forty minutes. The speed is 5 word per minute spacing with a character rate of 20 words per minute. Rob (ZL1RJS) uses a laptop to transmit the Morse over a UHF transceiver through the National System. Rob sends out all alphabet and number characters. He includes period, comma, forward slash and question mark. To help us learn, he first sends a word, a group of numbers or a group of punctuations that are five characters long. He then reads the word or group and its characters. When he has read the word aloud and spelt it, he then repeats the word or group in Morse, before he moves to

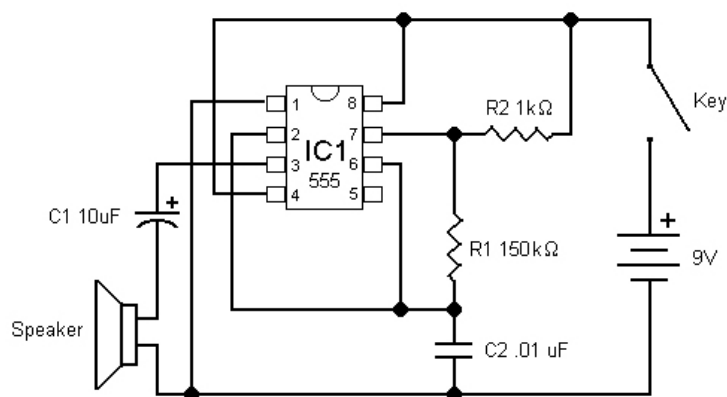
the next word or group of characters. At the end of each pair of words or group, he transmits a full stop.

A portion of Rob's training script

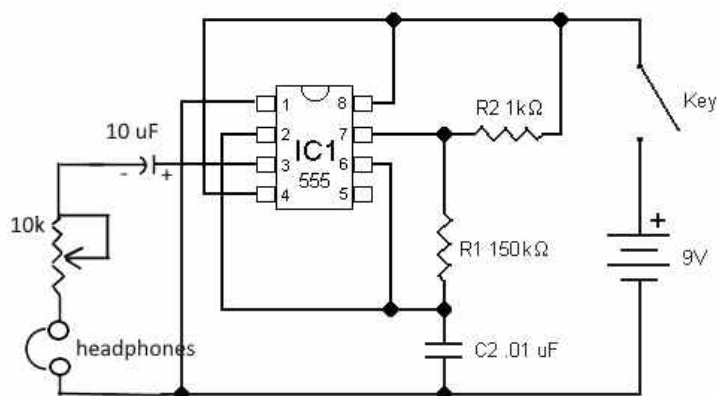
RNXG2 RNXG2.L66DN L66DN.NPKBN NPKBN.PY8XX
PY8XX.6BYXW 6BYXW.

GJXXP GJXXP.JM2CC JM2CC.6DZKG 6DZKG.N9Y9D
N9Y9D.AK6PP AK6PP.

Original circuit



Modified circuit



6G6CQ 6G6CQ.DO2XN DO2XN.XXZR9 XXZR9.6Z9X6
6Z9X6.86XOZ 86XOZ.

NBQN7 NBQN7.WM1NJ WM1NJ.MXXXX
MXXXX.6X6AX 6X6AX.6A9XL 6A9XL.

At the end of the practice session, Rob calls for check-ins from listeners. I hear these call-signs: ZL1AOX, ZL1TOU, ZL4TE, ZL1BPI and ZL2LO. I cope well with 5 words per minute, writing most letters and numbers exactly as Rob transmits them. However, I struggle with the punctuation.

Tuesday 15 June 2021

To help with punctuation, I copy web site addresses (URLs), a half dozen or so, into TEACH4 software and set the software to transmit them to me at 9 words per minute spacing. These website addresses have plenty of punctuation characters like forward slash and question marks included within the URL. After five days of practise with web site addresses, I recognize more punctuation marks. I still make mistakes however as I am not yet as familiar with punctuation as I am with alphabet and number.

My punctuation training script punctuation included: semi-colon, forward slash, question mark and hyphen.

