



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.

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.



Skate Park to open Sunday 17 December

Members will be relieved to know that with the opening of the development next door to the clubhouse we should again get access to the perimeter of the clubhouse. At the same time members are requested to be vigilant for any excesses that may come from youngsters with time on their hands.



Above: Driveway with 3 days to go until completion.
 Below : Clubhouse obscured by the mature trees on right.



Club Notice Board

Opening of Pukekohe Skate Park, 17 December

The new skate park on our northern boundary will be opened at 11 am, Sunday 17 December. With works concluding on the building site we will now be able to access the outside of the clubhouse for summer maintenance.

General Meeting, Tuesday 19 December

The talk, after completion of the formal business, will be on HF antennas that are used by members. Presenters have been asked to make their presentations simple enough to be of help to new amateurs

After the talk we will have a seasonal supper, which will include strawberries and ice-cream.

Tour de Ranges, Saturday 13 January 2018

A call has been made for volunteers to assist with safety communications for this major cycle race around the Hunua Range. To date we have Tom ZL1TO, Durlene ZL1ULK and Bob ZL1BBZ. There may be further vacancies, depending on how many volunteers come from other clubs. Operators will need to have mobile VHF in their car, or be able to set up a mobile VHF station in one of the event organiser's support vehicles.



Minutes of Franklin Amateur Radio Club (Inc) General Meeting held in the Clubrooms Stadium Drive Pukekohe on 21 November 2017

Chairman Mike ZL1UOM opened the meeting at 2041 hours.

Attendance ZL1UOM, ZL1TO, ZL1PZ, ZL1ULK, ZL1GAC, ZL1BBZ, Peter Henderson, ZL1BQA

Apologies Gary ZL1WGL, Bruce ZL1TDH

The minutes of the October meeting were approved as a true record. ZL1TO / ZL1BQA

Correspondence:

Inward: 1. Newsletters from branches 02, 29, 66, 03.

Outward: 1. Invoice and statement for water emailed to J-Stone Skate Parks. Their payment was lodged in our BNZ account 2 November, following intervention of Shiva Dubey of Auckland Council (who has taken over from Damian Powley).

Inward correspondence was received and outward approved. ZL1UOM / ZL1BQA

Finance

Received: J-Stone Skate Parks \$182.84 on 2 November for water from May to 16 October.

Payments: Contact Energy \$49.65 paid prior to 3 November Watercare to 16 October \$81.40

Insurance \$980.29 due for payment shortly. Payment may have to be approved tonight as the amount exceeds

committee spending limit. A copy of the bill was forwarded to ZL1WGL who asked FMG if they would cover at a better price. FMG have quoted \$614.88 We need to be sure that we have appropriate fire extinguishers and an electrical check every two years. A signed statement of cost of replacement is to be provided to the insurer. Do we have a friendly builder who could provide such a cost estimate? That the secretary confirm we transfer to FMG.

ZL1BQA / ZL1BBZ

That a donation of \$200 be made to Auckland VHF Group.

ZL1TO / ZL1BBZ

The finance report was received.

ZL1TO / ZL1BQA

Reports

AREC: A meeting of Auckland Area AREC was held on Thursday 16 November at Auckland VHF Group, Branch 66. Several branches are relatively inactive, like ourselves. Many operators will be required for the Tour de Ranges on 13 January where Richard ZL1BNQ from Papakura Radio will be coordinator of radio communications. Our volunteers for the tour, advised tonight, are ZLULK, ZL1BBZ and ZL1TO.

Positive Ageing Expo: A report appears in November QUA. Interest in amateur radio was shown by four visitors and three are now on the QUA circulation list. Chris Stabler has requested feedback from exhibitors.

End of year dinner: A booking has been made at Pukekohe Cosmopolitan Club - Friday 24 November to eat 6.30 pm. .

The meeting closed at 2105 hours.



Minutes of Franklin Amateur Radio Club (Inc) Committee Meeting held in the Clubrooms Stadium Drive Pukekohe on 5 December 2017

Chairman Mike ZL1UOM opened the meeting at 1930 hours.

Attendance: ZL1UOM, ZL1TO, ZL1ULK, ZL1BQA, ZL1WGL

Apologies: ZL1WGL extended a late apology for absence at the dinner.

The minutes of the November meeting were approved as a true record. ZL1BQA / ZL1TO

Correspondence:

Inward: 1. Newsletters from branches 02, 29, 86

2. Chris Stabler of Positive Ageing Expo advising that the 2018 event will be held on Friday 28 September, and not at the weekend due to that not suiting a number of exhibitors (presumed to be commercial exhibitors).

3. Paul Godolphin – advertising a stubby tower, rotator, controller and beam.

4. David Wilkins ZL1MR with a suggested operating manual AREC sections.

5. From Douglas ZL1BFS with Waikato District Plan under way.

Outward: Annual report to Registrar of Societies.

Inward correspondence was received and outward approved. ZL1BQA / ZL1TO

Finance

Received: J-Stone Skate Parks \$182.84 for water..

Payments: Contact Energy \$49.65 and \$46.31 paid prior to 4 December.

Watercare \$81.40 our cheque presented on 9 November.

Insurance to FMG \$614.88 paid by cheque in person Friday 24 November.

Donation to VHF Group \$200 posted with a covering letter.

The next Watercare bill will arrive in about a fortnight.

The Treasurer is to advise CMIS that we have transferred to FMG as was suggested might happen in a previous telephone call to Keith of CMIS.

The finance report was received. ZL1TO / ZL1WGL

Reports

AREC: Tom ZL1TO and Lynnette ZL1LL attended the Farmers Santa Parade, Sunday 26 November. The dispersal crew included at least 6 radio amateurs.

We have three volunteers for Tour de Ranges, 13 January.

End of year dinner: 17 people attended.

Topics at coming meetings

December: 19 December. Christmas themed supper will follow talks about the HF antennas for 80 m and 40m .

The meeting closed at 2040 hours.

NEWSLETTERS FROM OTHER BRANCHES

02. (November) Saturday 18 November Steve ZL1FS on using a dip meter to measure frequency. Silent auction of test equipment – Signal generator, function generator and oscilloscope. AGM on 12 December, including amendment to constitution regarding listeners on remote controlled station.

03. (November) Meets 25 November with demonstration of Icom IC-7610 by Roy ZL1LK. Christmas dinner at New Lynn RSA 13 December. Successful sale, with next years on 3 November. The BBC amateur radio club, G8BBC. Jimmy Halto takes a comic look at amateur radio.

29. December 4th general meeting is a Christmas Social. Balloon tracking exercise imminent. 2 new amateurs Gary ZL1FAB and Lorraine ZL1DMD. Declining attendance – intend to have business report on alternate months. Henry ZL1AAN article on his shortwave radios from 1964 to present day.

65. New committee and editor following AGM.

66. Cover photo Pohutukawa. New committee and team photo – ZL1ICU, ZL1XXX, ZL1ATY, ZL1TUX, ZL1YOT, ZL1TIA, ZL1TCI, ZL1UKG. Report of field day at Moir

AGM

There were minor changes in the make up of the Franklin Amateur Radio Club committee and the AREC leadership.

The committee is now

President	Mike Jane ZL1UOM
Secretary/ Treasurer	Tom McDonald ZL1TO
Committee	Ted Doell ZL1BQA
	Gary Landon ZL1WGL
	Durlene Griffin ZL1ULK

80 m net Controller Ian Sexton ZL1PZ

2 m net controller Tom McDonald ZL1TO

Subscriptions remain at \$20 individual and \$30 family. Subscriptions for the 2018 year are now payable. For those who wish to make their payment electronically, then the transfer can be made to Franklin Amateur Radio Club at Pukekohe BNZ account number 020404-0157944-00

FRANKLIN AMATEUR RADIO CLUB INC

020404 0157944 00

Our annual report is now on the Incorporated Societies web site.

NZART

It's not them.

It's us.

3

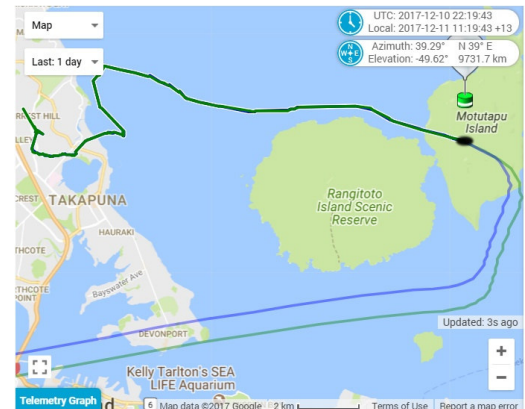
Hill. End of year social 11 December. Club BBQ 22 January 2018.

86. Next meeting December 10th at 1.30 pm where special guest speaker is Awarua Historian, Alex Glennie ZL4ACG, followed by Christmas afternoon tea. Reminiscences on the 50th anniversary of the official opening of the Musick Memorial Radio Station, held 12 January 1992.

Space Teddy makes soft landing

Congratulations to North Shore, Branch 29 on the success of the high altitude balloon project completed on Monday 11 December. In addition to the launch, where an altitude of 20 km was attained, our colleagues at North Shore were able to attract prominent publicity on broadcast radio and public television.

Your editor followed progress live on the internet and could see the balloon at 20 km range using binoculars from Maraetai. The payload, a soft toy by the name of *Space Teddy* was later retrieved from Waiheke Island.



Annual dinner

Dinner at Pukekohe Cosmopolitan Club was attended by a small gathering of amateurs from Franklin and Papakura Radio Clubs.

These events help to maintain the good, friendly relations that we have with our closest neighbouring radio club and we trust that this will continue, strongly, into the future.

Below: Durlene ZL1ULK, Lynnette ZL1LL and Ann-Maree ZL1GIT suitably attired in funny hats.



Douglas ZL1BFS, NZART Local Government Liaison Officer has written to say that the Waikato District has announced it is reviewing its District Plan.

District Plan reviews every 10 years are required by statute, specifically the Resource Management Act 1991 (RMA) and have to follow a prescribed (convoluted) process.

To reduce the formal complications of timeframe and administrative procedures, Waikato has taken an additional step by issuing a "Draft" District Plan. This gives the public the opportunity to flesh out the issues, so that when the official "Proposed" plan is issued, many requirements of the public will already have been satisfied.

On the other hand, there is a very significant section called Amateur Radio Configurations, that seems to provide most of what we won in the Tauranga and Hamilton plans. Some extracts are reproduced on this page of QUA.

It is very important that we Amateurs put in a submission to this draft plan - simply because if anyone else does, saying they don't want it, the ARC section could be removed.

It is also very important that we Amateurs are unified in what we want. A big mistake with the Auckland Unitary Plan was that at the Draft stage, seven different amateurs put in seven different submissions, and that must have confused the planners - so the Draft plan made ALL amateur radio Configurations "Restricted Discretionary" - that would have required a Resource Consent even for a gutter grip vertical on your rain water gutters.

- inscribed circle of the pole and any lowering mechanism shall be 600mm below 4m in height and 115mm above 4m, or
- (b) The maximum height of the lattice support structure is 9m and the maximum inscribed circle and any lowering mechanism shall be 900mm below 8m in height and 660mm above 8m, and
 - (c) The pole or lattice structure is located in accordance with setback standards applying to buildings in the zone in which they are located. For the purpose of this rule the height in relation to boundary standards shall not apply to the pole or lattice support structure, and
 - (d) Where guy wires are used these must not exceed 12mm in diameter, and
 - (e) At no point must any guy wire overhang the boundary.
 - (6) For each site, one support structure can exceed the maximum stated height applying to buildings in the applicable zone by more than 2m, provided that:
 - (a) The maximum height of the support structure and any attached aerials or antennas is 20m
 - (b) The supporting structure may be one of the following:
 - (i) A guyed mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 115mm, or
 - (ii) A guyed lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 300mm. The mast may be of constant width or tapering, or
 - (iii) A self-supporting lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 660mm at 9m and 420mm at 20m, or
 - (iv) A self-supporting tubular mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 230mm at 9m and 115mm at 20m.
 - (c) There may be local enlargement of support structure to accommodate a rotator mechanism
 - (d) The supporting structure is located in accordance with setback standards applying to buildings in the applicable zone. For the purpose of this rule the height in relation to boundary standards shall not apply to the supporting structure
 - (e) Where guy wires are used these must not exceed 12 mm in diameter
 - (f) At no point must any guy wire overhang the boundary.

xxxx

Any amateur radio configurations that do not comply with the performance standards above will be assessed as a discretionary activity.

Amateur radio configurations listed as a permitted activity under [Rule 1.9.11](#) are subject to compliance with the following performance standards:

Antennae

- (1) Where attached to a building or other structure (including a mast), radio and telecommunications antennae up to and including 2m in diameter for an antenna dish and does not exceed 2m² in area or 2m in any dimension for a panel antenna, provided the antenna does not overhang a site boundary, and
- (2) One pedestal-mounted antenna per site provided that:
 - (a) The antenna is pivoted less than 4m above the ground with a maximum diameter of 5m, and
 - (b) The pedestal and/or the antennae are located in accordance with the setback and height in relation to boundary requirements of the zone.

Aerials

- (3) Aerials that comply with the following:
 - (a) Any of the elements making up the aerial do not exceed 80mm in diameter
 - (b) For horizontal HF yagi aerials, the maximum element length does not exceed 14.9m, and the boom length does not exceed 13m
 - (c) No part of the aerial (including aerial wires) overhangs a site boundary
 - (d) The setback standards applying to buildings in the applicable zone (except that aerial wires are not required to comply with the setback standards)
 - (e) No part of the aerial exceeds the maximum stated height applying to buildings in the applicable zone by more than 2m (except for vertical aerials as provided for in vi below)
 - (f) For vertical aerials, one vertical aerial to a maximum height of 20m, provided there is only one vertical aerial or one supporting structure (and attached aerial(s) or antenna(e) under c) below) per site that exceeds the maximum stated height applying to buildings in the applicable zone by more than 2m.

Supporting Structures

- (4) No more than six support poles for wire aerials of less than 115mm in outside diameter per site provided that:
 - (a) The maximum height of the support poles is the maximum building height applying in the zone in which they are located
 - (b) The setback and height in relation to boundary standards shall not apply to these support poles
 - (c) Where guy wires are used these must not exceed 12mm in diameter, and
- (5) One pole support structure (excluding support poles for wire aerials) or lattice support structure per site provided that:
 - (a) The maximum height of the pole support structure is 9m and the maximum

For Sale

Aluminium and stainless steel free-standing tower in three or two sections, (configurable by removing bolts). Has never been used at full height.

Tower has extra platform for chest-level mounting of rotator (no climbing required for adjustment) and massive double-duty twin-motor Daiwa Rotator with round controller. Optional second motor fitted, doubles torque and braking.

Largest available Yaesu GS-065 Head Bearing at top plate of tower.

Also included, full-size 2 element Jaybeam TB2 10/15/20 Triband HF Yagi beam antenna. With original manual.

A complete set-up, with just a couple of cables to connect to your house, and you're on air. Unit can be free-standing or lightly guyed if preferred. No holes to dig.

Transport: Buyer can dismantle on-site - all sections fit into large car with a roof rack and can be lifted by one person. The only heavy part is the four concrete-filled stainless steel feet.



Overview of tower using only 2 sections supporting large 6m Yagi

Contact
Paul ZL4AX