

**The Official Newsletter of the
Auckland VHF Group Inc.**

Spectrum



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Auckland VHF Group Inc.

Branch 66 NZART

PO Box 10138, Dominion Rd, Auckland 1446
Clubrooms: 30 Hazel Ave, Mt Roskill

Office	Name	Call sign	Work / Mobile	E-mail
President	Dave Dingley	ZL1TIA	021 782 159	president@aucklandvhf.org
Vice President	Currently Vacant			vicepresident@aucklandvhf.org
Secretary	Currently Vacant			secretary@aucklandvhf.org
Treasurer	George Raffles	ZL1TUX	021 735 361	treasurer@aucklandvhf.org
Committee	Darryl Grange	ZL1TCI	021 123 7733	darryl@aucklandvhf.org
	George Marr	ZL1TUJ	0274 309 438	
	Jim Logan	ZL1DI	021 331 747	
	Alastair Anderson	ZL1NEO		
AREC Group Leader	Matthew King	ZL1YOT	022 649 3310	arec@aucklandvhf.org
Deputy Group Leader	Currently Vacant			
ZL1BQ Trustee	Vaughan Henderson	ZL1VH	021 844 804	zl1bqtrustee@aucklandvhf.org
Head Repeater Trustee	Vaughan Henderson	ZL1VH	021 844 804	headtrustee@aucklandvhf.org
Klondyke Manager	Vaughan Henderson	ZL1VH	021 844 804	zl1vh1@gmail.com
670 Manager	Vaughan Henderson	ZL1VH	021 844 804	zl1vh1@gmail.com
690 Manager	Dennis Seymour	ZL1UET	09 278 0381	dennis.seymour@broadtech.co.nz
850 Manager	Vaughan Henderson	ZL1VH	021 844 804	850@aucklandvhf.org
Spectrum Editor	Mark Howie	ZL1UMK	022 047 3240	spectrum@aucklandvhf.org
Trading Table	Currently Vacant			tradingtable@aucklandvhf.org
Account Reviewer	Basil Orr	ZL1TOW	021 867 367	
ZL1VHD Dstar gateway administrator:	Laurie	ZL1ICU	634 5130 0274 817463	perma@xtra.co.nz
ZL1VHD Dstar gateway registration URL :			http://zl1vhd.dstar.org.nz	
Webmaster	Terry Corin	ZL1BPA	027 697 4686	webmaster@aucklandvhf.org

Club News and Net:

The combined Auckland VHF Group and Auckland Regional Branch News and Net are held on 146.625 MHz and 439.875 MHz at 8.15 pm each Sunday or after the ZL6A National Broadcast on the last Sunday of the month.

Club meetings are held at the Clubrooms at Hazel Avenue, on the second Monday of each month at 7.30 pm. For other details, listen to the News and Net each Sunday evening.

SPECTRUM is the official journal of the Auckland VHF Group Inc. Opinions expressed are those of the authors and do not necessarily reflect club points of view. The closing date for SPECTRUM articles is by the 1st of each month. Articles to be submitted to the editor Mark ZL1UMK
spectrum@aucklandvhf.org

Auckland VHF Group (Inc) Branch 66

**The next Auckland VHF Group General Meeting
be held on
Monday 11 July
At the Clubrooms, 30 Hazel Avenue at 7:30 pm**

Speaker: Vaughan Henderson: ZL1VH

Subject: Klondyke Repeater Site

History, Current Status, Development

Klondike Fundraising Raffle Winner

The winner of the Klondike Fundraising Raffle, for a Mini Spectrum Analyser and Signal Generator was: Alan Walker ZL1AW from Whangarei.

Coming Events:

Whangarei Amateur Radio Club Annual Used Equipment Sale:

To be held at Whangarei Branch Clubrooms, Heritage Park Whangarei on Saturday 23 July 2023

- Doors open for sellers at 9am and buyers at 10am
- sausages, sandwiches, cakes, tea and coffee on sale
- Auckland VHF group will be attending with a selection from their trading table.
- A large amount of good gear including electronic components will be on offer.
- Bookings for a (900mm) sales table at \$10 available contact Paul ZL1PC 021 926 952

NB There will be a sit-down hamburger meal at 5pm. Make your own with supplied ingredients. \$6 each. BYO drinks.

Names to Rose Deverell ZL1WRD please.

RWB Communications master agents for Icom, will be attending too.

We look forward to seeing you at this friendly social event.

You might even find a bargain to add to your existing collection!

NZART Conference Report

Vaughan Henderson ZL1VH

The 2023 NZART Conference was held over King's Birthday weekend at the Copthorne Hotel in Palmerston North. Just over 100 attended with about 10 being AGM only registrations.

The AGM got underway at 10am with a welcome from outgoing President Mark Gooding ZL2UFI. Stuart Burns, the new Treasurer was welcomed to the meeting. The usual roll call of members represented showed 1270 were represented so a quorum was achieved, and the meeting could go ahead.

ZL1UFY presented the Council Report from the Council Meeting held on Friday 2nd:

Radio Spectrum Management issues – the roll out of the new Register of Radio Frequencies (RRF) earlier in the year has generated a number of issues. Currently there are four outstanding licence applications for amateur repeater which cannot be processed. Access to individual members information and querying address details/updating information cannot be done by ARX's. RSM are aware of these issues and are working through them. RSM is hosting a forum at the coming Comms Connect Conference in Christchurch (13-14 June) and are expected to provide an update.

Subscriptions - Subscriptions for 2024 will increase by \$5, with Students incurring an increase of \$1. Transmitting/Non-Transmitting membership will be \$120. Family Transmitting/Family Non-Transmitting and additional \$30 making the total for Family membership \$150. Student membership goes to \$50 and Overseas (excluding GST) \$155. A rebate of \$15 is applicable to Transmitting / Family, Non-transmitting/Family members only. Subs must be paid by 30 November 2023 to be eligible for this rebate.

Call Book – A digital-only Call Book will be produced in December this year and made available via the NZART website. Currently it's not clear if there will be any privacy restrictions which might prevent the publication of address data. If there are no privacy restrictions it will be released on the NZART web site. If this is not possible, a Call Book CD-ROM will may be the alternative. - The Call Book Editor and Repeater/beacon/map Editor requests that branches ensure their details are correct on the website. Neill ZL1TAJ advised he will only amend maps on request from a branch, as he is no longer going to chase branches for this information. All amendments need to be notified as soon as possible The close off for updates to the 2023/24 Callbook is 1 October. Please try and get silent key notifications to Debby at HQ so these can be removed.

Examinations - The new Study Guide for the NZART Examination is 95% complete. Categorising questions to align with HAREC requirements 2 and updating the questions is approximately 40% complete and is expected to be done by the end of this year. The final stage is getting RSM sign off and approval to go live.

Council approved the appointment of Stewart Robinson ZL2STR as the new NZART Awards Manager. Council also acknowledged the resignation of Philip Sharp ZL1PSH from his position as Break-In Editor and has appointed his deputy Douglas Beale ZL3DUG to the position of Break-In Editor effective 3 June 2023. A reminder that close off for the July/August issue of Break-In is 10 July 2023.

Annual Accounts & 2024 Budget forecast - Stuart Burns, the new Association Treasurer reported a small surplus (\$15,063) was achieved in 2022 compared to 2021. During COVID a higher rebate was offered which affected the bottom line. In 2022 this was reduced back to the normal rebate - Term Deposit interest continues to increase. A recent term which matured on 7 June 2023 saw an increase from 3.5%, to 5.6%. He is forecasting a deficit of \$22,000 for the next financial year – postage increases, Break-In printing, inflation, a possible small reduction in membership, HQ rent review and wages increase all contributing. The membership growth through the Ham Cram classes is encouraging but because their first year of membership is free, these members do not contribute financially until the next year and retaining these members is important.

Remits - Remit one was lost on voices after considerable discussion, however the following motion was put and passed. Motion: "That NZART Council create a digital copy of Break-In and make it available to the membership electronically. - Remit 2 was withdrawn by the branch.

Future Conferences - Christchurch Branch 05 and surrounding branches have offered to host the 2024 AGM and Annual Conference at Kings Birthday Weekend (1-2 June 2024). Venue yet to be confirmed, however are considering a venue at Wigram Air Force Museum. Plans are well underway for the Centenary Conference to be held in Auckland in 2026. Regular updates will be available, although yet to be officially confirmed, the venue may be the Ellerslie Convention Centre.

Awards - The following awards were presented: - Young Amateur of the Year to Corban Paterson ZL1CAP, Branch 53. Jumbo Godfrey award to Lawry Carr ZL2HQ – Manawatu Branch 20. Youth Award (under 20 best exam result) to Logan Costa ZL3XOF 57/60 aged 19 – Christchurch Branch 05

Rothschild Cup – Christchurch Branch 05 – 32 successful passes. Other branch results include, North Shore Branch had 19, Radio Electronics Group 15, Gisborne 13, Manawatu Br 11 & Dunedin 10!

Break-In Awards: - Best technical award, Alan Page ZL3UJY - General Articles Award, Craig Crawford ZL3TLB - Column Award, Geoff Clark ZL3GA - Long Service Award, Simon Watt-Wyness ZL1SWW for writing one of the longest running columns.

General Business:

John ZL2TWS - Repeaters and Beacons – A fees review is being conducted by RSM and we may be faced with an increase to \$250.00 for all licences for repeaters, beacons and fixed links. Currently not known what RSM will finally decide. Kordia sponsorship is due for renewal is 2025.

David ZL2DW asked why the NZART newsletters circulator was not being received. Back end set-up/register to stop spam filters rejecting wanted emails.

Mike ZL3TMB asked about getting an ATV allocation in the public UHF spectrum. Advised not possible, suggested he look at the 925 MHz band although this is somewhat free-for-all and using 23cm like the UK BATC do. This led to a comment that we may lose access to 23cm at this year's WRC-23 due concerns about possible interference to Global Satellite Navigation Systems.

AREC Forum. This followed the AGM. CEO Don Robinson ZL2TYR gave an overview of the AREC structure. Urgent need for more volunteers within AREC. Because a lot of operation is on commercial frequencies (Land SAR and Civil Defence), this does not require people with an amateur licence. Currently AREC has about 360 members but only 60 to 70 are active in SAR. Looking for 500 to 1000 volunteers going forward to meet expected demand from our clients. More training is being developed including a 2-day SarTrack course. A new AREC web site is almost ready to roll out. Would welcome photos and please send in reports/write-ups on AREC activity.

KiwiSAT and AMSAT-ZL. I attended the AMSAT-ZL forum chaired by Ian Ashley ZL1AOX. With the untimely demise of Doug Burt ZL1BFS, there was currently no one driving the KiwiSat project. A call for people interested in taking this on met with little response. AMSAT-ZL has about \$6K in the bank and the satellite has been running at Ian's house for the last 10 years. Some discussion followed on what to do with it. Possible home is the Te Awamutu Space Museum. Also suggested MOTAT, Te Papa or at a university. After further discussion two motions were put:

“That the KiwiSat Project be wound up and the assets disposed of to best advantage”

And “That AMSAT-ZL be wound up in accordance with its rules”

Both motions were carried. Some discussion about how to dispose of the monies. Thought to difficult to refund the many clubs and individuals who had contributed financially to the project. Ian ZL1AOX will investigate best option based on the AMSAT-ZL rules. Suggested that a record of the history of KiwiSAT and AMSAT-ZL be made. A motion of thanks to all those who ran AMSAT-ZL and were involved with the KiwiSAT project was moved by Ross ZL3DC and seconded by Murray ZL2LB. Carried with acclamation.

Footnote – ZL1AOX has made contact with the Space Museum in Te Awamutu and they are keen to have the satellite to display.

The various forums and presentations on Sunday were well received. Martyn Sea ZL3CK had brought along a number of ex-military radios (No 19 and 48 sets) which had been restored and was able to have a QSO across the room.

RWB Communications were present and had on show a factory prototype of the new Icom IC-905 VHF/UHF/SHF all-mode transceiver complete with the 10GHz module and antenna.



Above: ICOM 905 Control Head



Right: 10 GHz Antenna

**Auckland VHF Group Subscriptions are due for
2023-2024 year by the end of June 2023.**

Subscriptions are now be accepted for the 2023-2024 year, 1 July 2023 to 30 June 2024.

This coincides with the financial year for the group, which ends 30 June 2023.

Subscription update notice will be sent out in early June to all members who have not renewed by that time.

Note on Subscriptions:

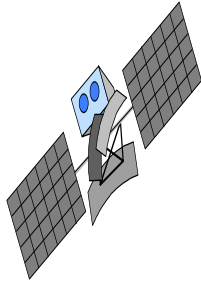
- a. There is no increase in subscription for the 2023-2024 subscription year.
- b. All subscriptions terminate on 30 June.
- c. Your subscription will run for two-months after end of year to 30 August 2023 and then drop to the in-active membership list. (as per the constitution)

Subscription Type	Subscription Price
Ordinary Members (Full)	\$60.00
Associate Members	\$55.00
Family Members	\$25.00

- For Family Members, one person needs to be an Ordinary Member, and then each additional person then becomes a family member.
- Subscription prices are determined at the AGM preceding the year being implemented (7 months ahead)

Subs go towards

- Maintenance and on-going improvements to beacons, repeaters and linking systems for the national system, including the Klondyke repeater site.
- Providing on-time and free access to spectrum magazine as soon as it is available.
- Providing facilities for good speakers and lecturers at our general meetings.
- Discounted access to our trading table goodies.
- Access to test equipment and technical help when needed.



AUCKLAND VHF GROUP INC.

P O Box 10138, Dominion Rd, Auckland 1446,
 30 Hazel Avenue, Mount Roskill, Auckland,
 Email: treasurer@aucklandvhf.org
 Web: <http://www.aucklandvhf.org>
 NEW ZEALAND



		Date Form Completed:	
Mr/Mrs/Miss/Ms	Forename	Surname	
	Address1	Phone: (home)	
	Address2	NZ Post Code	Phone: (work)
	Town/City	Phone (Mobile)	
	Email	Phone (Cell)	
Occupation:		Callsign:	
NZART Member	Yes / No	Branch assigned	
AREC Member	Yes / No	Branch assigned	
Family Member 1	(Name)	(Call)	(Email) (Mobile #)
Family Member 2	(Name)	(Call)	(Email) (Mobile #)
Family Member 3	(Name)	(Call)	(Email) (Mobile #)
New/Renewal/Change	Membership Category		To pay
	Ordinary (Full)		\$60.00 \$
	Associate		\$55.00 \$
	Family (per member after 1 full member registered at same address)		\$25.00 \$
Donations	Klondyke Refurbishment		\$
	Repeater Maintenance		\$
	Data/D-Star		\$
	Beacon/Repeater/Links Licences		\$
	General Club Donation / Other		\$
		Total	\$
Payment (Mark One →) If require Invoice / Receipt Please Advise Treasurer		Cash <input type="checkbox"/>	Internet deposit <input type="checkbox"/>
		Other: <input type="checkbox"/>	Credit Card <input type="checkbox"/>
Internet	Account ASB 12-3011-0830580-00 . Account Name: Auckland VHF Group Inc. Include your Name/Callsign for track. Note: this form needs to be sent to us to update our records. Email to: treasurer@aucklandvhf.org . (Especially if Contact information has changed)		
Credit Card	Membership Link: https://aucklandvhf.org/product-category/membership-and-donations/membership/		
Post	The Treasurer, Auckland VHF Group Inc. PO Box 10138, Dominion Road, Auckland 1446.		
In Person	Bring this form and payment to the next club meeting, 2 nd Monday of the month or to the Committee meeting the 4 th Monday of the month.		
Privacy	Unsubscribe from Email Notifications <input type="checkbox"/> Unsubscribe from Google Groups <input type="checkbox"/>		Do Not disclose contact Information <input type="checkbox"/>

Club use only: <input type="checkbox"/>	Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>
Sponsored by*		Sponsor's Callsign*
*New members only.		Date:

The information requested is for membership records required to be maintained under the Incorporated Societies Act and having due regard to the provisions of the Privacy Act



**Amateur Radio Emergency
Communication.
Volunteers in radio communications.
Using our resources to help the
community.**



INFORMATION

The Auckland VHF Group has an AREC Group that works closely with Auckland Council Emergency Management. They provide advice, resources and manpower to assist in times of need.

The AREC section is headed by Group Leader Matthew King ZL1YOT.

From time to time the VHF Group has training sessions and exercises. Members also assist with sports events, parades and other community activities. For further information about AREC please see the NZART web site: <http://www.nzart.org.nz/arec/>

JOIN BRANCH 66 AREC

All members of the Auckland VHF Group are encouraged to join the AREC section. Your contribution, large or small is appreciated by all involved.

For further information about joining Branch 66 AREC contact the Group Leader:

Matthew King ZL1YOT

022-6493310

mattking@gmail.com

The Deputy Leader position is currently vacant

The Auckland VHF Group Inc Branch 66 NZART

gratefully acknowledges the sponsorship of Branch 66 Beacons, Repeaters and Fixed Links license fees and the Group's repeater operations by the following radio amateurs and NZART Branches for 2022-2023

53.725	Repeater	Klondyke Road	Gwynne Rowe	ZL1AAR	\$50.00
144.253	Beacon	Nihotupu (Testing Clubrooms)	Terry Corin	ZL1BPA	\$50.00
145.625	Data Rptr	Klondyke Road	Terry Corin	ZL1BPA	\$50.00
145.650	D-Star Rptr	Klondyke Road	Terry Corin	ZL1BPA	\$50.00
146.625	Repeater	Klondyke Road	David Wilkins	ZL1MR	\$50.00
146.700	Repeater	Ruaotuwheua	Terry Corin	ZL1BPA	\$50.00
146.900	Repeater	Mt Puketutu Radio	David Wilkins	ZL1MR	\$50.00
432.253	Beacon	Nihotupu (Testing Clubrooms)	Terry Corin	ZL1BPA	\$50.00
438.175	D-Star Repeater	Klondyke Road	Terry Corin	ZL1BPA	\$50.00
438.500	Repeater	North Head	Franklin Branch	ZL1SA	\$50.00
439.850	Link TX to Kaimai	Klondyke Road	George Marr	ZL1TUJ	\$50.00
439.875	Ak Nat System Rptr	Klondyke Road	Soren Low	ZL1SKL	\$50.00
439.900	Link TX to Egmont	Klondyke Road	Franklin Branch	ZL1SA	\$50.00
439.950	Link TX to Brenderwyn	Klondyke Road	Terry Corin	ZL1BPA	\$50.00
1291.900	Repeater	217 Glenfield Rd	Franklin Branch	ZL1SA	\$50.00
439.700	DMR Repeater (Waitakere's)	Quinns Rd	Franklin Branch	ZL1SA	\$50.00
					\$800.00

TRADING TABLE

Currently our Trading Table is only open on meeting nights.

NEW – Printed Circuit Board. Thanks to a generous donation from N.Z.'s last circuit board production company (now closed down), we have a large quantity of single sided fibreglass printed circuit board material in sizes ranging from 1200 x 600 down to smaller pieces. There's some double sided board as well. Come along to our May meeting if you want some – prices can be negotiated!

NEW – RG58C/U 50 Ohm Coaxial Cable. Thanks to a bulk purchase we are able to offer this good quality coax at a competitive price. The cable has tinned centre conductor and screen braid making it resistant to long term corrosion. The price is \$2.00 per metre with a discount for purchases of 20m or more. See Vaughan ZL1VH on meeting nights to get this quality coax cable.

The Trading Table is now on line. Navigate your way to our new look web site at <https://aucklandvhf.org/> and click on TRADING TABLE (the most right hand tab).

Wait a few seconds and the on-line version of the Trading Table will pop up. From here you can browse the various sections, dig deeper to look at what's available and even place your order online.

If you prefer to just look at the Trading Table List, just hover your mouse pointer over the TRADING TABLE and a pull down list will appear. From this you can access the full trading Table list and download it in .PDF form.

We also have heaps of parts from dismantled commercial analog TV gear – transmitters, filters, circulators, patch panels, power supplies. Too much to list individually, so come along to the clubrooms and have a look.

