

October 2022 Covid traffic lights ended!

INTERFACE

MONTHLY BULLETIN

MARLBOROUGH AMATEUR RADIO CLUB INC. P.O. BOX 432 BLENHEIM NZ

CLUB CALENDAR

General Meeting;..... 13 Oct, 7.30pm, EOC
Social Group; 20 Oct, Dodson St Beer garden
Committee Meeting; 27 Oct, 7.30pm, via Zoom



HF Net Tuesdays & Saturdays
2030 hrs 3876kHz

VHF - USB Net Wednesdays
1930 hrs 144.150MHz

BRANCH 22 NOTICES



1. Gary Lodge speaking on his life & times..... 13 Oct
2. Club 90th Birthday, Armadillo's Restaurant .. 5 Nov
3. 10 minute talks - "Interesting Shorts" 10 Nov

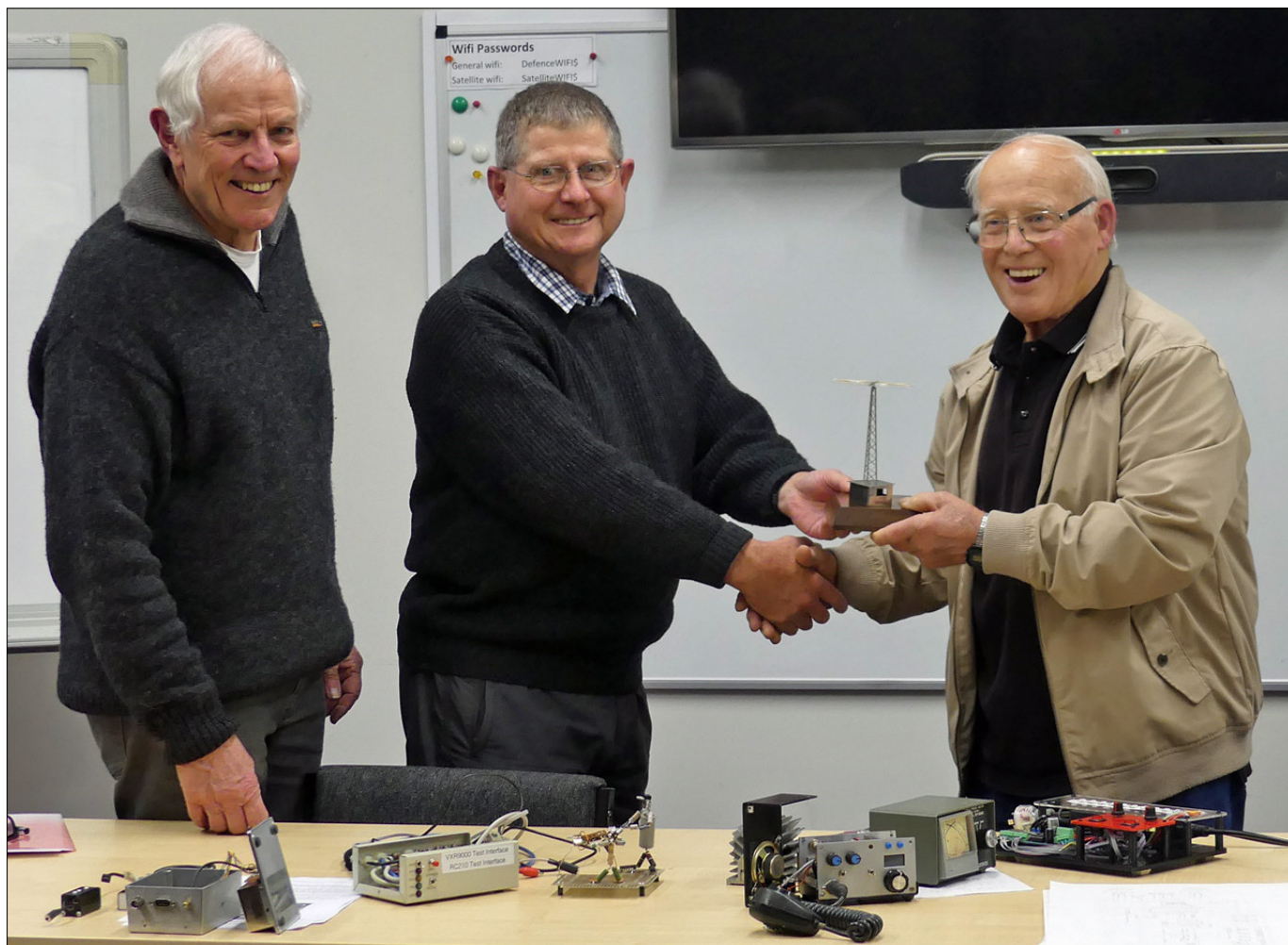
VHF Mondays 1930 hrs
146.950MHz, 145.600MHz,
147.225MHz

Net Controller; Rob Carter, ZL2IW

Website: www.zl2ks.org.nz

Editor: Caryl Simpson caryl@simtronics.co.nz MARC Contact: marcbranch22@gmail.com

CONSTRUCTORS AWARD WINNER, Tony Daken, ZL2BTU (right), accepting the trophy from judges Greg Barton ZL2BGX (left) and Graeme McKay ZL1BDS (centre)



MARLBOROUGH AMATEUR RADIO CLUB GENERAL MEETING
at EOC, 8t h September 2022 at 19:30 Hours

Present: John Errington (Chair), Don Laing (Secretary), Greg Barton (Treasurer), Grant & Caryl Simpson, Ian & Christine Conway, Don Jamieson, Graeme McKay, Ken Menzies, Antony Winter, Neil Shepherd, Graeme Dillon, Helen & Ron Harris, Wayne Parker, Paul Rennie, Gary Lodge, Sheila Cunningham, Chris Grant, Tony Daken

Apologies: Gerard Van Antwerpen, Bill Cousins

Visitors: Alan Smith

Health & Safety: Government Orange status applicable, masks are encouraged. No issues raised

Previous Minutes: As published in Interface agreed by those present as a true and correct

Correspondence: (since Committee Meeting 22/08/22) *Distribution of below correspondence as applicable Inward*

26/08/22	Greg Barton	Asset register for insurance review
27/08/22	Radio Spectrum Management	Confirmation of changed client details
28/08/22	AoN	Insurance renewal reminder
29/08/22	Caryl Simpson	Darcy Oliver Trust clarification
02/09/22	Greg Barton / Paul Rennie	Clarification it is Darcy Christopher Foundation Civil Defence Trust.
03/09/22	David ZL4LDY	NZART remit acceptance
01/09/22	Radio Spectrum Management	Annual licence fees invoice
04/09/22	Bill Cousins	NZART remit support
05/09/22	Gary Lodge	Completed membership application

Outward

26/08/22	EOC radio operators	EOC Thursday roster
29/08/22	AoN	Insurance policy clarification
05/09/22	NZART	Nomination of Stuart Watchman as Branch 22 rep
05/09/22	John Griffiths ZL3AFN	Invitation to MARC meetings



Matters Arising: None

Presentations

Certificates of appreciation were awarded to the following for long & dedicated assistance to the Club. Christine Conway, Chris Grant, Helen Harris & Caryl Simpson

NZART Conference Delegate & Remits

Motion: *To confirm Stuart Watchman as Branch 22 delegate J. Errington / I Conway/ Carried*

Voting was held by NZART members regarding the Remits published in Break-In & Interface

For:- 19 (includes 3 absentee email endorsements) **Against :-** 0



Finance & Membership:

Membership 55 (+1)

Payments for Award expenses

- Annual Insurance premium received - due 9/9/22. The premium has increased 4%. Alternative offers dearer.
- Annual licences invoice for repeaters due 30/9/22. Same as 2021
- Branch 22 NZART subscription due 30/11/22

Events:

- 90th MARC Anniversary award 2022 (*Details in last Interface & front page of this one*)
- 90th MARC Anniversary lunch – Participants to be confirmed. Notice in next Interface.

Repeaters & Systems:

Site Survey - Graeme McKay explained how he used the Google Earth ruler function to obtain the altitude profile of paths between suggested vehicle accessible locations & existing sites. This indicated obstruction for the Little Ned site however a NZFE site looks promising. Paul Rennie is investigating approval & access with the authorities

Reverse Beacon - Operational again at Gerard's QTH. For unknown reason long wire antenna at Brayshaw Park was very noisy and interfering with sensitivity

Kaikoura – Still has power issues that are being worked on **GS**

Speaker Schedule

- Tonight Constructors award
- October Cary Lodge
- November Interesting shorts
 - Encrypting DTMF, or how to defeat teenage boys with a tape recorder (John E)
 - A high wire act in Tory Channel (Paul R)
 - Building a ham shack in a hotel room (Nick B)
 - A scary Halloween story (John E)
- February 2023 – An antenna workshop proposed. Volunteer for Facilitator requested



(cont. next page)

The club has radios available, as well as an antenna analyser, for members to borrow when required. Contact a committee member for more details if you would like to avail yourself of any of these. marcbranch22@gmail.com

SAR / AREC

- Tasman SAR meeting held and changes to some of the representatives
- SAR training held last Tuesday
- Attending AREC conference meeting Friday 9/9/22 prior to NZART conference

General Business: None

Meeting closed 20:15

Next Committee meeting: 22nd September 2022 (Zoom)

Next Club meeting: 13th October At EOC 7:30pm

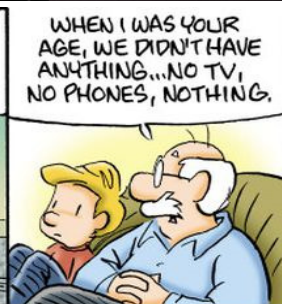
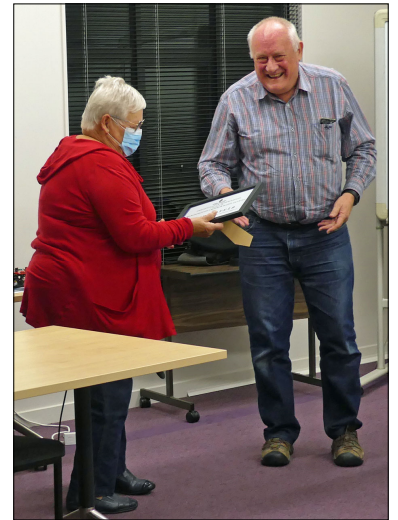
Constructor's Award: Greatest number of very interesting exhibits for some time.

Award was granted to Tony Daken for his QRP 80m transceiver

Honourable mentions to Antony Winter & Grant Simpson



Certificates of appreciation were presented to Christine Conway, Chris Grant, Helen Harris and Caryl Simpson for their long & dedicated assistance to the Club. Caryl took the photos so managed to stay out of all of them.



90th ANNIVERSARY AWARD

It was agreed at the August branch meeting that we would all support the Marlborough 90th anniversary award.

Nov 6 to Nov 12 - 1200 hrs Sunday 6th November to 2359 hrs on Saturday 12th inclusive.

All the details are on our website <https://zl2ks.org.nz/> or re-read last month's Interface.

A lot of activity for this award will be on 80 metres in the evening so now is the time to get your HF installation sorted, or at least a temporary set up arranged.

There will be national system activity as well, so you might want to set up on the Wellington node: 439.875 (- 5 MHz offset).

Thirty points are needed to get the award, ZL2KS is worth 5 points, members are worth 3 points so we need a few more than 9 members active over the week to allow punters a chance to bag an award.

Stations to be active on as many evenings as convenient during that week between 1900 and 2030 (or part thereof) on 80m around 3670 kHz (SSB) or 3545 kHz (CW). When calling CQ, please add that you are a Club member, if that applies. You will be required to exchange your name, QTH and a signal report.

Club station ZL2KS will be active each night.

Contacts are NOT LIMITED to the above times/bands.

In fact ZL2KS will also be active around midday on 40m and on SSB, FT8, RTTY & CW.

Contacts can also be made via the club nets on 80m and 2m.

So give your coax and the ether a scare and get on the air in November!

We need as many as possible Marlborough stations to be active for this to be a success!



MARLBOROUGH AMATEUR RADIO CLUB COMMITTEE MEETING
22nd September 2022 at 19:30pm via Zoom

Apologies: Don Laing, Gerard Van Antwerpen, Graeme McKay, Nick Batt

Correspondence: To be tabled. Deferred until next month

Finance & Membership: Members - 54

Insurance renewal due 9 Sept.

Annual licences for repeaters due 30 Sept.

Branch 22 NZART subscription due 30 Nov.

D'Arcy Christopher Foundation Civil Defence Trust contact details confirmed, waiting for a suitable project before applying. Treasurer has full Trust details for anyone wanting them or look online <https://register.charities.govt.nz/Charity/CC22048>

Events

- **Conference Update** - Noted that the club preferences were as the conference resolved.
- **History Project** - Confirmed the club already held a copy of CD Marlborough book.
- **Club 90th birthday 5 Nov** - Cake – choose fruit cake.
Menu – choose Silver Package (*see below for set menu options*)
Attendees – promote as heavily as possible
Resolved to invite Stewart to speak (JGE to contact) and to ask for members who want to speak to make themselves known. Plan to have speakers interspersed between courses.
Also plan to include in the event 30 secs silence to mark the passing of members over recent years.

Repeaters and Systems

Operations Report – nothing exceptional to report

Repeater Development – site survey – deferred until Graeme is able to report.

Speaker and Meeting Schedule

October – Gary Lodge

November – John Errington et al (Interesting Shorts)

December – Christmas Drinks

January – Onamalutu Picnic

Feb - Suggested antenna workshop, facilitator needed

March – AGM

April – Bill to investigate and confirm speaker on Marlborough Lines Comms system

AREC - Paul and John to investigate funding via AREC nationally.

GENERAL BUSINESS

Clarified the situation with radios that can be borrowed from the club. Resolved to place notice in Interface advising members who want to borrow equipment to contact a committee member.

Bill advised he would not be organising Field Day next year and we resolved to search for a new facilitator.

Will place a notice in Interface for Nelson equipment sale.

Notices for Interface

- Promote Birthday Event.
- Call for speakers for birthday event.
- Equipment is available to borrow – contact a committee member if interested.
- Antenna workshop facilitator.
- Field Day coordinator needed.
- Notice re Nelson equipment sale.



Next Committee Meeting: 27 October 2022, 7:30pm, by ZOOM



SILVER PACKAGE - \$45 per person

ENTRÉES

Crispy Tempura Prawns - Served with a zesty lime mayo

Buffalo Cauliflower Bites (Vegan)

Battered cauliflower wings cooked until crunchy & served with our vegan aioli

Cajun Crumbed Chicken tenders - Deep fried until golden & served with our famous rib sauce

MAINS

250g Ribeye Steak

cooked to your liking, served with steamed green beans & baby carrots, creamy potato bake & red wine jus

Asian Inspired Green Thai Chicken Curry

Tender chicken thigh bound together in a creamy coconut & mild Thai curry sauce, served with rice & poppadoms.

Armadillo's Famous BBQ Ribs

Succulent slowly braised pork ribs smothered in our own BBQ sauce served with toasted sesame seeds & crispy fries.

Seafood Workshop

Our famous seafood workshop, pan fried gurnard topped with seared scallops & prawn cutlets in a creamy garlic reduction with fresh tomato salsa, served with creamy potato bake & house salad.

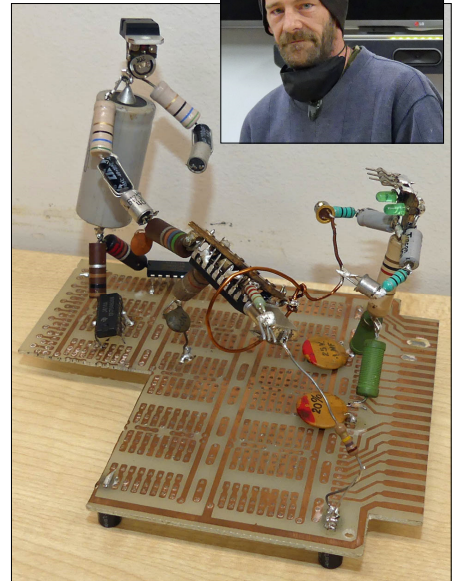
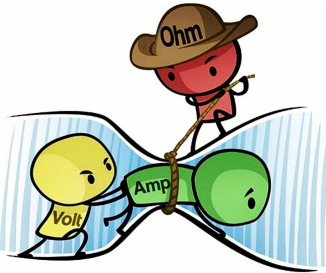
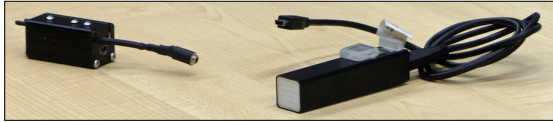
Add dessert for \$10 per person.

CONSTRUCTORS AWARD 2022

Although nobody constructed a lighthouse, as facetiously suggested in the last Interface, we had a record 8 entrants for this year's award! Well done to all entrants and thank you for making it more interesting than when there's only two or three entries.

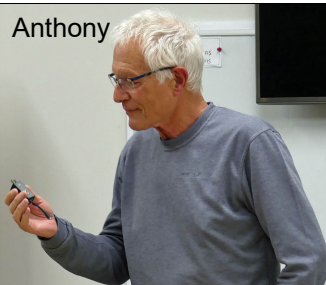
Judges were Greg Barton and Graeme McKay, who expressed great disappointment that nobody offered them any bribes. Despite this, they took their judging very seriously and judged accordingly.

Neil Shepherd, ZL4LO - Neil made this wonderful sculpture, below right, based on Ohms law in cartoon form.



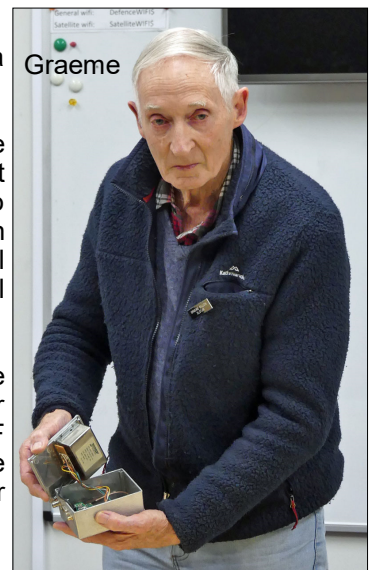
Anthony Winter, ZL1VBX - Anthony's entry was a tiny iambic keyer - the paddles were made of piano wire and the box contained a small Arduino board to generate the dots and dashes.

He originally made it for Morse practice while travelling, but it could be used for a hand-held CW transmitter.



Graeme Dillon, ZL3TJM - Graeme's entry was a James Miller G3RUH Simple GPSDO. It contains an Isotemp 10Mhz Oven crystal oscillator combined with a Jupiter GPS receive module. The interface board phase locks the oscillator to the GPS satellite signals resulting in an extremely accurate 10Mhz reference signal.

Via the RS232 output, the satellites in view can be seen on a computer using a program such as VisualGPSview.

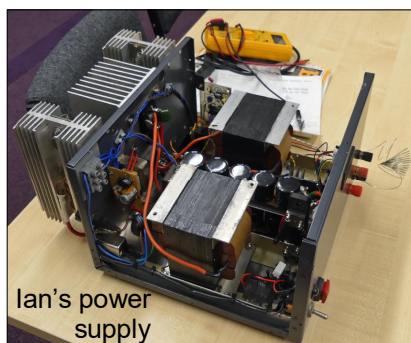


Gary Lodge, ZL1GA - Gary had a portable pole set built for quick deployment for car rally, boat racing, cycling racing etc. All cut to 1m lengths so 7m ready to go, all ready wired for VHF UHF with fittings for antenna and radio and an eye to pull up a dipole. It also has guy ropes attached. All made of hard drawn aluminium.

Grant Simpson, ZL2BK - Grant built an interface for programming and setup of RC210 repeater controller and VXR9000 radio as used in our VHF repeaters. It has a usb com port built in for the different requirements of the radio and controller as well as tx and rx audio connections, ptt etc.

Tony Daken, ZL2BTU - Tony demonstrated his 80 meter DSB Transceiver, 8 watt Tx, with agc Rx, with Si5351 VFO and 0.96" 128 x 64 OLED Display.

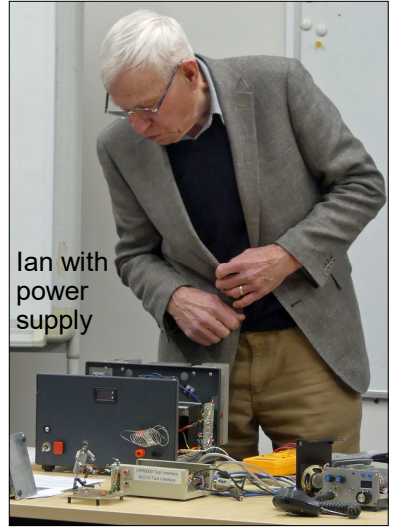
Ian Conway, ZL2BGL - Ian's entry is going to be a 20 Ampere, 13.8 Volt power supply for his shack. Current limited, with overvoltage protection as well.



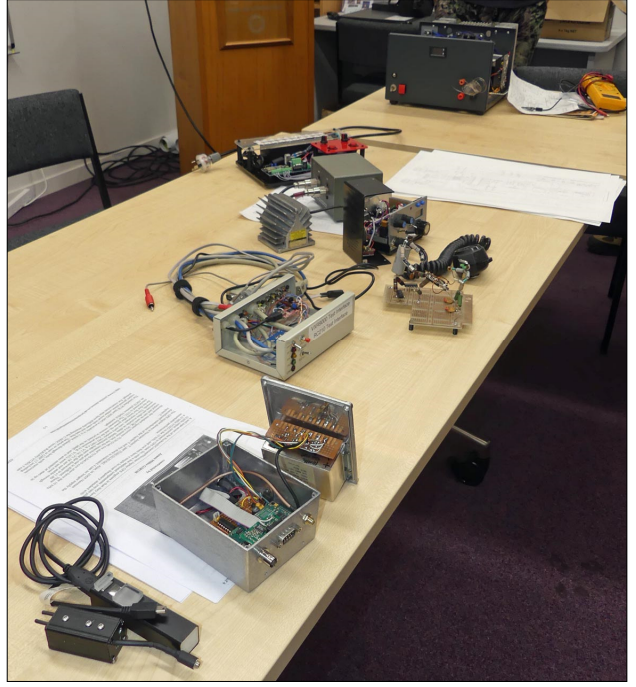
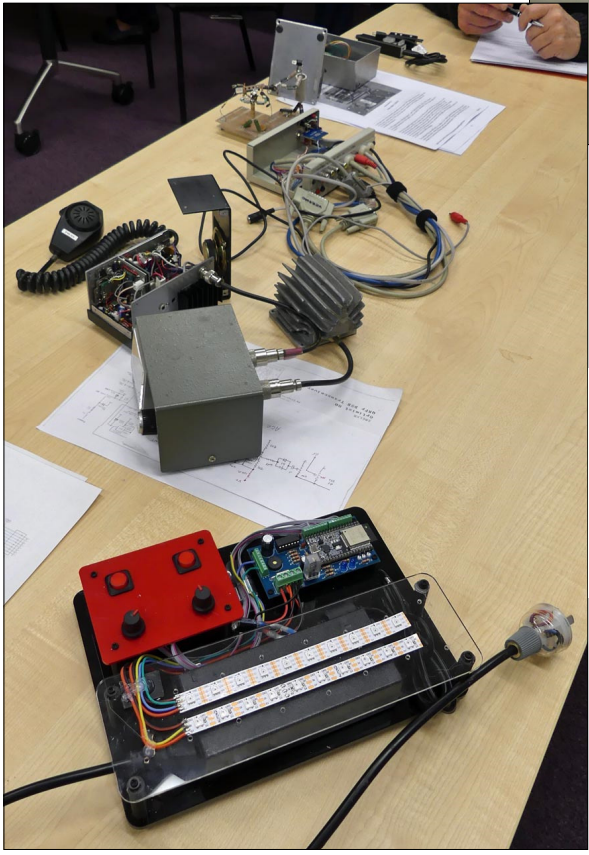
John Errington, ZL3TIL - John made a "Universal LED Controller". The controller is designed to control 3 wire and 4 wire individually addressable LED strips. It is designed with through hole components so he can use it as a teaching aid when his grandchildren are learning to solder. It features 3 levels of thermal protection so that it will not catch fire and can be safely used by younger children. He plans to use it to control some other LED experiments eventually.



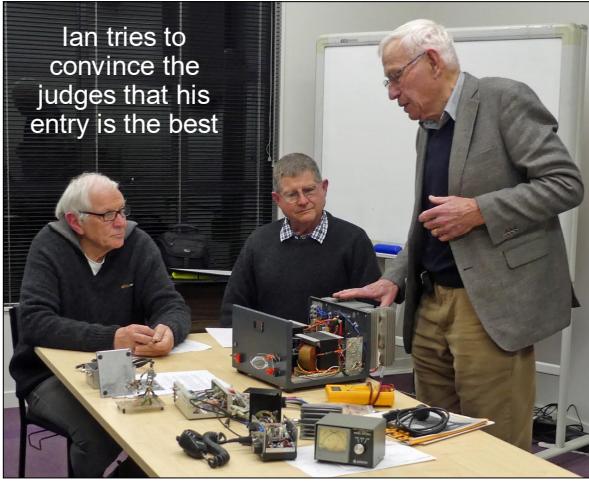
John



Ian with power supply



Entries lined up on judging table



Ian tries to convince the judges that his entry is the best



Members admire the entries while the judges finish their job

Requirements/Restrictions for antenna systems in Urban Marlborough

Greg Barton has been working on getting an HF antenna set up at his home in Springlands and was a bit concerned about what is allowed under district planning rules. He bought a 40M-10M vertical so was particularly interested in height limits. Several members had given advice on their understanding but Don kindly pointed him to the right place on the MDC website – Greg had found it a bit like looking for a needle in a haystack! The requirements are buried deep in a planning document so he extracted the relevant sections for his own records and thought putting them in Interface may help other members. You will find them, and a link to the full documentation, on the next page.

Requirements/Restrictions for antenna systems in Urban Marlborough (Planning information for MARC Branch 22 members)

Below are the relevant sections of the MDC planning rules. The full documentation is available at the MDC website at the bottom of the page.

Urban Residential 1 and 2 Zones (including Urban Residential 2 Greenfields Zone) Volume Two

5.1. Permitted Activities Unless expressly limited elsewhere by a rule in the Marlborough Environment Plan (the Plan), the following activities shall be permitted without resource consent where they comply with the applicable standards in 5.2 and 5.3:

5.1.33 Amateur Radio Configurations

5.3. Standards that apply to specific permitted activities

5.3.24 Amateur Radio Configurations

5.3.24.1 Except as specified below, the Recession Plane and Height Controls do not apply to any antenna or support structure.

5.3.24.2 Any part of an antenna or support structure must not overhang property boundaries.

5.3.24.3 Any of the elements making up an antenna must not exceed 80mm in diameter.

5.3.24.4 The maximum height of any support structure (including antenna) shall not exceed the height limit otherwise applicable to structures, except that:

(a) one free standing support structure (including antenna) per site may exceed the maximum height for a structure, up to a maximum of 20m; and

(b) any support structure (including antenna) attached to a building may exceed the height of the building by no more than 7m.

5.3.24.5 The maximum number of antennas on a site shall not exceed 12.

5.3.24.6 For horizontal HF yagi or loop antenna, the maximum element length shall not exceed 14.9m and the boom length must not exceed 13m.

5.3.24.7 Any dish antenna must:

(a) Be less than 5m in diameter

(b) Be pivoted less than 4m above the ground

(c) Meet the relevant building setback

(d) At any point in its possible rotation, not exceed a height equal to the recession plane angle determined by the application of the Recession Plane and Height Controls in Appendix 26. The recession plane angle must be measured from a starting point 2m above ground level at the property boundary.

Reference source

<https://www.marlborough.govt.nz/your-council/resource-management-policy-and-plans/proposed-marlborough-environment-plan/decisions-on-the-pmep/appeal-process/appeals-version-of-the-pmep/volume-2>

★ **WANTED** ★
FACILITATOR

We are seeking volunteers to coordinate an antenna workshop in February. We have a number of members wanting to learn more about antennas, and we would like to find some people who can give them some practical advice and oversee some tests. We will find an empty space to work and will probably schedule the workshop for a Saturday morning. If you can help with this, contact the committee marcbranch22@gmail.com

Field Day coordinator needed. After many years of doing this, Bill Cousins is stepping down from the role. Contact the committee marcbranch22@gmail.com. His brief job description is below...

The role basically consists of:

1. Establishing the venue for the event.
2. Gathering the gear to successfully stage the event.
3. Co-ordinating the personnel to erect the aerial and operate over the weekend.
4. Submit the log and summary sheet to NZART.



This event depends on the cooperation of a number of people who have supported it over the years with loan of equipment, transport of same to the site, erection of aerials and, of course, operating throughout on ssb and cw. I have been very grateful to all those who have done so as it has to be a team event, and I have no reason to believe that such support would not continue, but under new management and ideas.

It just needs an overall coordinator to see that all the necessary components come together and nothing missed.

Obviously I am happy to discuss the details with anyone who may offer for the task, as I have seen it anyway.

The club has a long and, at times, illustrious record of participation. I, and others, always enjoy it. My memories of Frank Stretch have sustained my interest and I have always felt that we should support our own Stuart Watchman in his much appreciated oversight nationally.

NELSON BRANCH 26 AMATEUR RADIO CLUB HAM JUNK SALE

WHERE: Enner Glynn Community Hall, Tuckett Place.

WHEN: Saturday 5th November. Sellers set up from 11.00am. Buyers from 12 noon.

TABLE COSTS: Full - \$15.00 Half - \$10.00

Sellers look after their own finances and Buyers negotiate with Sellers.

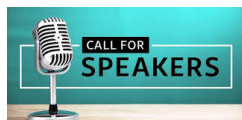
At 2pm the Sellers remove from tables what they do not want to auctioned.

What is left on the tables will be auctioned and resulting money will go into Branch 26 coffers.

NOTE: What is not sold must be removed by the sellers from the site.

Sausage sizzle and coffee / tea available for lunch.

Enquiries to: Stewart Robinson ZL2STR. 022 459 0415 or strobzn@gmail.com



If you have something you would like to say at the birthday celebrations about the club's 90 years, let the committee know you would like to speak.

We hope to have various people speak between courses. marcbranch22@gmail.com



Our birthday lunch is coming up! You should all know about it by now and we encourage as many as possible to attend.

We will have a Powerpoint presentation (to remind you of the days when many of you still had hair - and it was not grey) with guest speakers to say a few words between courses.

The food will be delicious and the company convivial. It will be your only chance to celebrate the club's 90th birthday with fellow members.

Next month we will call for RSVPs and hope Covid stays out of the picture.

DATE: 5th November

TIME: Seated at noon but come earlier for drinks and a chat

PLACE: Armadillo's Restaurant

ADDRESS: Springlands Tavern, 18 Boyce St. Springlands

BRING: Your appetite, cash or credit card, significant other

There is plenty of parking available.

NZART AGM REPORT

I was approached to be the Branch 22 delegate as I was heading to Wellington for this event.

This years conference was a cut down version of the usual conference weekend due to COVID uncertainty. However there was a lot more than the sawn-off post lockdown conference of 2020 in Wellington.

All the details about the AGM are in Debby's report in infoline # 460 at the infoline archive page:

<https://www.nzart.org.nz/news/infoline/archive/2022>

I will add that there was some excitement around an amendment of remit 2, to make the remit reduce council from 9 to 6 members rather than 5. The remit was amended and then passed. After this year's election there will be 3 fewer councillors. As an ex president I am happy with this, it was very tiresome trying to find people to step up to fill in vacancies.

Evan Sayer, our treasurer of nearly 25 years, departed to a well earned retirement. Evan played a large part in saving the association from bankruptcy shortly after he came on board.

The AGM was followed by an AREC session that included displays of the latest VHF repeaters.

An evening meal was held on the evening of the AGM but no speaker or entertainment.

On Sunday there were the usual annual meetings of OTC, SPAM, WARO etc. along with technical forums, three were put on by members of the local Wellington branch.

I attended sessions on contesting, magnetic loop antennas, SOTA and a presentation by the new Break In editor Philip Sharp ZL1PSH.

Branch 22 was well represented with Paul, Kay and Rob and Nick present also. Some branches within 50 Km had no one there!

The New Zealand Icom dealer, RWB communications had a respectable display of their equipment. For that weekend only there were extremely attractive discounts.

The next AGM may be back in Wellington as no branch at this stage has volunteered to host the event.

- Stuart, ZL2TW