



New Zealand Association of Radio Transmitters

ZL1AA - AUCKLAND BRANCH 02

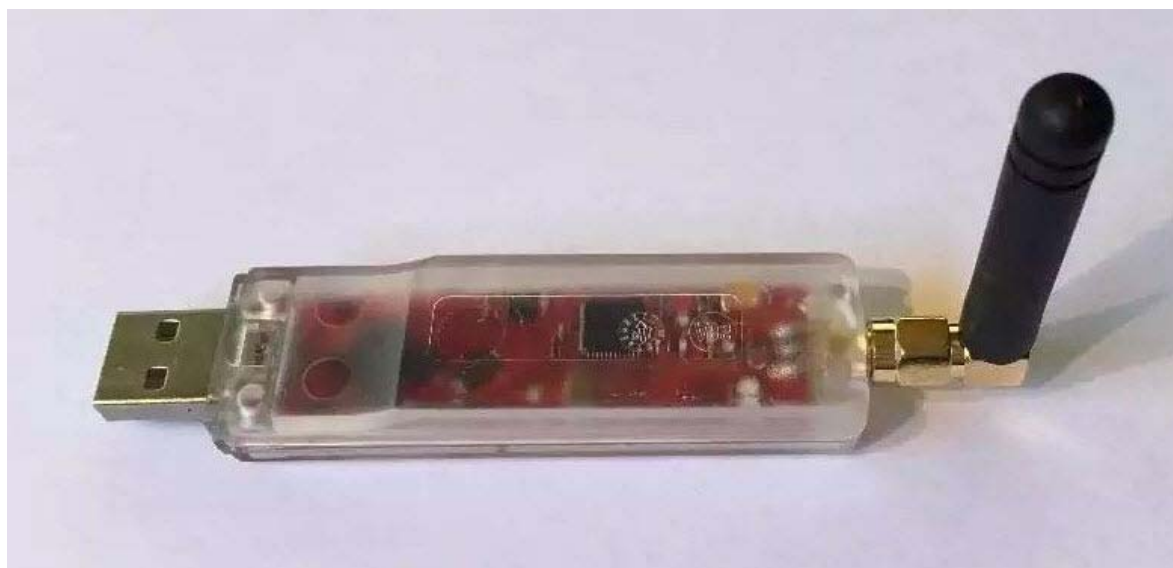
MAY

2017

👉 **General Meeting** 👈
SATURDAY May 20 @ 13:30
What is DMR?
Ask Jonny, M6HVV

Club Room will open at 10:30 AM
BBQ @ 12:00

Jonny will give a presentation on Digital Mobile Radio and the use of world wide reflectors to communicate utilizing a DV4 mini as shown below



PLEASE RETURN THE 2016 ARRL HANDBOOK

ZL1AA

Auckland Branch 02
PO Box 18003
Glen Innes
Auckland 1743

www.qsl.net/zl1aa
ZL1AA@nzart.org.nz
Skype: ZL1AA_NZ

Club Officers

President:

Wes Printz, ZL3TE
ZL3TE@dxer.com
027 227-7779

Vice President:

George Marr, ZL1TUJ
gmarr@ix.net.nz

Secretary:

Wallace Bottomley, ZL1WAL
ZL1WAL@nzart.org.nz
(09) 575-6383

Treasurer:

Jeff Lowe ZL1TOU
jeffjanet51@gmail.com
(09) 630-0213

Elected Members:

Gwynne Rowe, ZL1AAR
rgwynne.rowe@xtra.co.nz
(09) 528-1177

Ray Chapman, ZL1AJR
ZL1AJR@xtra.co.nz
(09) 528-5410

Steve Miller, ZL1FS
dion4cy@gmail.com
(09) 908-5589

Japie Nel, ZL1JJN
jjnel@orcon.net.nz

Logan Nicoll, ZL1LMN
chillistick@gmail.com
021 0271-5660

ZL1AA Information:

Branch 02 Clubroom is located at
400 St Johns Road
St Heliers, Auckland
(Off the main road)

Google Earth:
36.869730s, 174.843860e

Clubroom is open every Saturday from
1030 hrs. for members and guests to drop
by for coffee and a chat!

General meetings are held on the third
Saturday of each month at 1330 hrs.
(except Dec / Jan).

Committee meetings are held on the first
Tuesday of each month at 1930 hrs. ALL
paid members are welcome to attend.

Affiliations:

10-10 International
NZART
AMSAT-ZL

Club nets:

Wednesday:
145.775 MHz @ 1930 Ray, ZL1AJR NCO
Wednesday:
3.645 MHz @ 2000 Ray, ZL1AJR NCO

10-10 Down Under Chapter Net:
28.530 MHz 2230Z Fridays
(1030 NZST Saturdays)

Branch Contacts:

Gwynne Rowe, ZL1AAR
(09)-528-1177

Branch Examiners:

Steve Miller, ZL1FS
021 0226-4981
Wallace Bottomley, ZL1WAL
(09) 575-6383
Wes Printz, ZL3TE
027 227-7779

Web Master:

Andrei Chatalov, ZL1TM
achatz@gmail.com

Librarian:

Gwynne Rowe, ZL1AAR
(09)-528-1177

Station Trustees:

George Marr, ZL1TUJ
Wes Printz, ZL3TE

Branch Technical Advisers:

Simon Watt-Wyness, ZL1SWW
sww@eagle.co.nz



SUBSCRIPTIONS

❖ Subscription Rates:

Regular \$45 (discounted with a \$5.00 raffle ticket if paid by 28th Feb 2017)
Youth Rate \$20

- ❖ Post to PO Box 18003, Glen Innes, Auckland 1743, direct credit may be made into our bank account **12-3047-0076823-00** or pay the Treasurer or Secretary at the clubrooms.
- ❖ A pro rata rate is offered to a new member joining part way through the year. The financial year runs from 1 November 31 October
- ❖ Receipts will be distributed either in person at meetings or via mail/E-mail.
- ❖ Branch financial year currently runs from 1 December to 30 November.
- ❖ A current Membership Application / Renewal Form is required with all payments to assist with accurate record keeping. Available from the Secretary, or by download http://www.qsl.net/zl1aa/br02_mem_form.pdf
- ❖ All members' information is kept confidential unless approval is given for it to be released.

Newsletter material submissions are welcomed and appreciated by your editor. You may submit material in a variety of file formats: .TXT .DOC, or just plain old E-mail. Photos are accepted also. Please submit material via E-Mail to: ZL3TE @ dxer.com I will use what I can with the space available at the time of newsletter editing.

From The Chair...

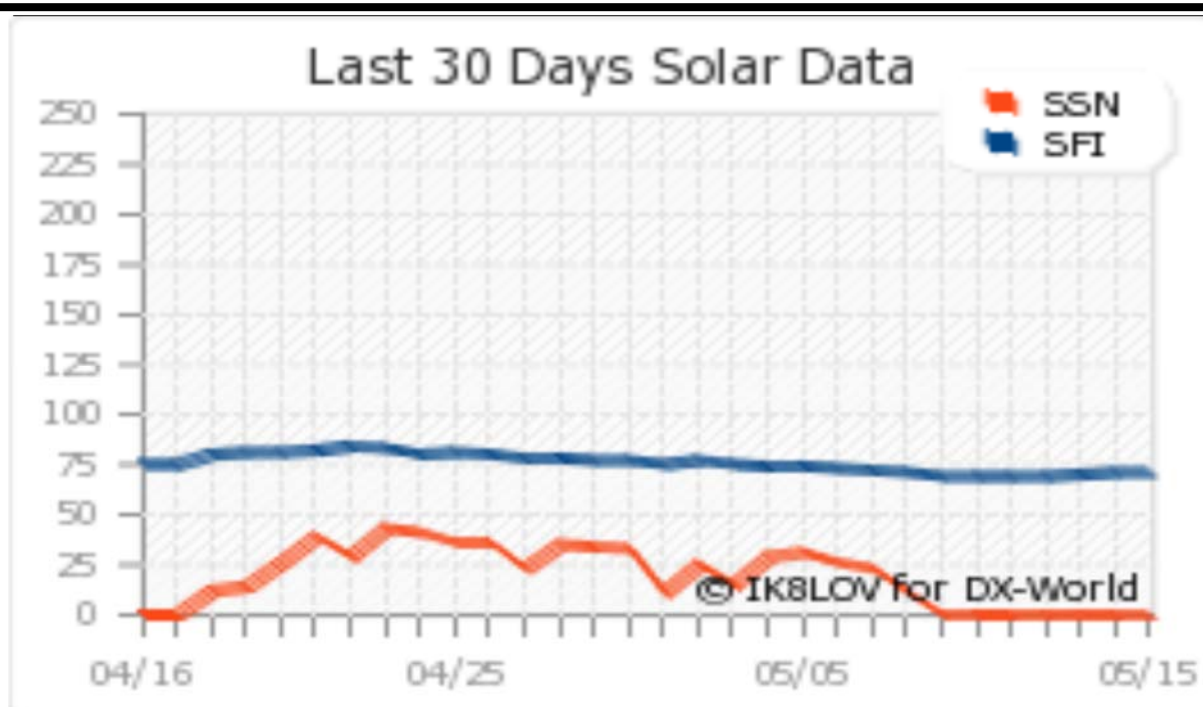
Congratulations go to Olivier, ZL1XS as he is this year's winner of the membership raffle. I would like to thank those member that put in some time last month during the working bee. The WX was Great, food was excellent, camaraderie was great, and we managed to remove several items from the task list.



The NZART Conference will be June 3/4 in Rotorua. There are 3 Remits on the agenda this year. Please see pages 25/26 in your Mar/Apr 2017 Break-In for the details. Your Committee supports all 3 in favor of the proposed changes, we will discuss the remits on Saturday after Jonny gives us some information on Digital Mobile Radio.

As we know propagation has been poor, but there is still DX to be worked. There have been several ZLs working into EU on 80M along the grey line. Hang in there, call CQ, you will work someone somewhere. Why not try your luck in the Sangster Shield Contest or the CQWW WPX CW. There's been a lot of 5MHz talk lately such as when will ZLs gain access? Currently, only AREC and Military have allocations. The attached 5MHz Newsletter is a good read.

73, Wes, ZL3TE



Looking for something to do on the weekend? Need to fill some more DXCC Challenge slots? work new Countries, work new modes? Why not operate a short while in a contest. There are several to choose from. More Information can be found here:

<http://www.hornucopia.com/contestcal/weeklycont.php>

MAY 15-22

- UN DX Contest: May 20
- **NZART Sangster Shield Contest: May 20 / 21**
- His Maj. King of Spain Contest, CW: May 20 / 21
- EU PSK DX Contest: 1200Z, May 20 / 21
- Aegean RTTY Contest: May 20 / 21
-

MAY 23-30

- RSGB 80m Club Championship, CW: May 25
- **CQ WW WPX Contest, CW: May 27 / 28**
- SARL Digital Contest: May 28
- QRP ARCI Hootowl Sprint: May 28
-
-

Every Month: NZART Official Broadcast: 3900 kHz LSB last Sunday of month at 2000hrs and at 2100hrs. (Also broadcast on the National Link and available on the NZART Website).

Auckland Branch 02, NZART (Inc.) Minutes of May Committee Meeting

Place / Date / Time: Clubroom, Tuesday, 2nd May 2017 at 1930 hours

Attendees: Wes ZL3TE (presiding), Wallace ZL1WAL, Jeff ZL1TOU, Japie ZL1JJN, Ray ZL1AJR, and Mebers: Simon ZL1SWW and Olivier ZL1XS.

Apologies: Gwynne ZL1AAR, Steve ZL1FS, Logan ZL1LMN, George ZL1TOU (pro forma).

Sustained ZL1WAL / ZL1JJN

Minutes: of the previous Committee meeting on Tuesday 4th April 2017 having been circulated Accepted ZL1WAL / ZL1JJN

Correspondence In:

Newsletters: Franklin, North Shore, Papakura (by post); Hibiscus Coast; Auckland VHF Group (by e-mail).
Break-in: announcing Waiheke Branch has been formed; advising 3 remits for consideration at Conference.
Branch reflector of Newsletters from North Canterbury, Hastings / Napier, Rotorua, Hamilton, Gippsland, ZS.
Selwyn re Ray's problems with PC / internet / access to Remote Hams / nets.
Selwyn – advising that ferrite chokes have been affixed to 40m antenna coax.
NZART Examiners directory; update of question pool.
NZART providing a list of attached members; promotion of lapsed Members with reduced sub;
NZART requesting the return of detail for the Call book Directory of Branches.

Correspondence out:

Steve ZL1FS – Membership list
Stuart Watchman - JWFD logs (sent in March, but not recorded in previous Minutes). Received and approved ZL1WAL / ZL1JJN

Finance:

Finance Report – Nov 2016 – May 2017. Received ZL1TOU / ZL1WAL
No further subs have been received since raffle deadline on 31st March.
Steve's phone calls to Members yielded 29 subs being paid in time. Nevertheless we are below budget.
Wallace will prepare invoices for those Members whose subs are outstanding.
Approval (\$300) was given (last month) to purchase 350' control cable for the rotator and Molex plug.

General Business:

Reports:

Review of working bee on 22nd April

Power cable for outlets on South side of building has been laid. To be connected by June 30.
Projector is mounted on ceiling and cables have been laid. Olivier will supply 8m SVGA extension
Remaining wattle trees have been felled. The limbs need to be stacked for pickup or disposal.
Firewood from previous heap has been taken. Some kindling remains.
Water pipe to be extended and buried. – Still on the list
Steps – materials purchased – Still on the list
Painting west wall (paint and brushes available). Soren has volunteered
Vacuum floor - done.
Affix mesh to gable entrance (to shut out possum) done.
Down spouting needs to be secured.
Earthing around the clubroom need to be reviewed / improved to eliminate current ground loops.

AREC: Japie provided VHF support for Whangarei car rally last weekend.

QSL: Wes was given list of Members showing those whose subs have been paid, and therefore entitled to have any QSL cards collected on their behalf from the ZL1 bureau.

Nets: Meagre participation (up to 4 check-ins) was discussed with suggestions made about topics to raise interest for discussion. No-no topics are religion and commercial.

Newsletter: The Secretary has been given an updated version of the format being used.

Membership: Wallace will write to each NZART Member attached to our Branch inviting them to vote.

Computers / network / phone line:

Simon ZL1SSW has installed the new router that enables us to use the cellular network (presently connected to Soren's SIM card).

He advised that we should run it for a month or two so that its stability is assured. Usage for just the remote station is presently less than 1Gb., If it fails, move the cable from the new router to the Vodafone port 2.

Next we should enable clubroom PC usage and test usage again. Skinny (Xtra) offer 4G 40GB for \$40.

Meter reading: 49691.5

(May Committee Meeting Minutes Continued on page 5)

Raffle:

The raffle was held for the Antenna Book. Of the 34 tickets in the hat, Congratulations go to: Olivier Wardecki, ZL1XS. He was presented with the latest ARRL Antenna Handbook to acclamation by the Committee. 59+ signals are expected from him in future. The missing ARRL Handbook has not been found / returned.

Remotely controlled station

Subcommittee is yet to convene before its policy is presented to Committee for ratification, Net controller has RCForb installed at his QTH, but is still unable to access the Remote station. Simon suggested that TeamViewer should be downloaded at his PC so that someone can solve his problems. Wallace will request Vodafone to register us for account details so that our usage may be examined.

Antennas:

Nally tower Quad project
Trench for coax and control cable
Tower at Murrays Bay. Ready to be taken down; transport later. A commitment has been made.

Occupancy:

Meeting with ACP to resolve ownership of building will be raised when our Licence to Occupy is reviewed

Remits for NZART Conference:

Remit 1 - Proposal for NZART to become a Charitable Trust is supported by the Committee
Remit 2 - Proposal to amend procedure for Returning Officer is supported by the Committee
Remit 3 - Disallow repeaters being used in contests for "Worked all districts" award. This is contrary to the Awards Manager's recommendation.
Gwynne ZL1AAR will be our Delegate.

ARDF :

ARDF Inter-branch Competition – Branch 29 are sourcing new 2m sniffers for JOTA in October
Wallace ZL1WAL will be guest speaker at Musick Point Radio Society.
20-25th August Region 3 ARDF Competition at Nairamdal Mongolia. Cost US \$600 + Visa \$230
7 competitors from Melbourne are going. Each country may only enter 18 competitors.

Future Events:

Suggestions for entertainers / speakers for general meetings 2017
May 20th Remits and Jonny to demo DMR and his portable rig.
June 3-4th NZART Conference in Rotorua
June 17th Report about Conference
SOTA expedition - Soren ZL1SKL to plan and advertise.
July 15th TBD

The meeting concluded at 2130 hours with supper gratefully provided by Ray ZL1AJR.

VK9MA – Mellish Reef DXpedition

Hawk, SM5AQD and Rob, N7QT are working to activate Mellish Reef this coming November. Currently working to obtain landing rights from the appropriate government agencies. We have also applied for a VK9M callsign. The team consists of 8 operators and 4 stations. At least half the operators will be from Europe, and the rest from North America. We are going to be operating on the following bands: 10m through 160m. Due to current propagation forecasts, we are paying particular attention to operating on the lower bands (20m-160m). Modes of operation will be CW/SSB/RTTY.

Mellish Reef landing rights have been approved / granted for November 2017. The team will consist of 9 operators and 4 stations. Transportation to / from Mellish has been secured. We are now working on logistics, station design and acquisition.

Operation will be on 10M-160m using CW / SSB / RTTY. Due to current propagation conditions, we are planning to focus mainly on the lower bands 20-160M.

73,
Rob, N7QT

Rules NZART Sangster Shield Contest

Presented to the amateurs of New Zealand by Mr Ralph Sangster in 1927. It is NZART's longest standing amateur contest. Ralph intended that the shield be awarded annually to the CW station obtaining the highest score in a low power contest. In this respect it should be pointed out, that in addition to the efficiency of the equipment used, the efficiency of the operator is of the utmost importance.

To win this contest marks an operator as one who not only knows how to obtain the most effectiveness from low Power, but also one who is proficient in the art of telegraphic communication.

RULES

1. When? Third full weekend of May each year, between the hours of 2000 NZST and 2300 NZST on each evening of Saturday and Sunday. The maximum period of operation will be six hours (12 operating periods).
2. Power: The output of the transmitter must not exceed 5 Watts PEP. Overseas contestants may use any power up to the maximum permitted by their licence.
3. Contacts to be CW to CW between New Zealand stations and between New Zealand and overseas stations only.
4. Band: 80m only.
5. Contacts
 - a. QSOs with any one station are permitted once only each half hour, based on a "complete half hour", e.g. 2000 to 2030; 2031 to 2100 etc.
 - b. It is not permissible to claim QSOs with the same station "twice running", i.e. at the end of one half hour period and at the beginning of the next, unless a different station is contacted by one of the two stations between QSO's, or a time delay of at least 5 minutes elapses between QSO's.
6. All New Zealand entrants must be financial members of NZART, except for first time entrants for the Transistor Trophy who have been licensed for less than 1 year.
7. All Radio Regulations must be observed.
8. Logs
 - a. A4 size paper or NZART log sheets. The Contest Manager will also accept emailed entries. Logs and summary sheets must be sent as attachments and can be in plain text, MSWord or Excel formats.
 - b. Data in this order:-Date, Time, Contacted Station Callsign, Exchange Sent, Exchange Received, Points Claimed.
 - c. ON A SEPARATE SHEET a summary to show:
 - i. Entrant's callsign, name and address in BLOCK LETTERS.
 - ii. Number of contacts with New Zealand stations.
 - iii. Number of contacts with Overseas stations.
 - iv. List of different branches worked with the number of each branch plus the callsign of the station claimed for that branch.
 - v. Total score. - (total points multiplied by the number of branches worked)
 - vi. Description of equipment, antenna and output power used.
 - vii. State which Section of the contest is being entered. See §13. Awards. - Note that all entrants (except those submitting check logs only) will qualify for the Sangster Shield Open Section.
 - viii. Signed declaration that all contest rules have been observed.
 - ix. If acceptable please provide your email address to allow the Manager to easily communicate if there are any issues to clarify, advise the placings list etc. Please note that the Contest Manager will not enter into correspondence with Contestants once the results have been published.
 - x. Comments on incidents, band conditions or other observations are encouraged.
9. Exchange system
 - a. RST followed by contact serial number beginning at 001 followed by branch number e.g. 569 001 11. Indicating a 569 report; first contact and branch 11.
 - b. Overseas stations are required to give RST plus a contest serial number beginning at 001. e.g. 569 001
10. SCORING
For New Zealand Contestants:
 - a. New Zealand to Overseas with full exchange - 10 points.
 - b. New Zealand to New Zealand with full exchange - 5 points.

(Sangster Shield Contest Continued on page 7)

For Overseas Contestants:

Overseas to New Zealand with relevant exchange - 10 points.

General – For All Contestants:

- a. Final score is total points multiplied by the Number of Branches worked.
 - b. Contacts with stations giving a Contestant's own Branch are OK for contact points but are not to be counted as a multiplier.
11. Mobile or Mobile/Portable operation will be permitted for New Zealand stations, however, the station must be operated from ONE LOCATION each evening.
12. Discounted Contacts: The Contest Manager expects that participating stations will provide a fair chance for all entrants to make contact with them. While it is not intended to discourage contestants from operating only part of the full contest it is considered that at least 20 contacts should be made and station operation should be over at least 3 half hour operating periods for full credit. Stations considered to have worked less than this requirement will have their branch multiplier contribution deducted from contest logs & may also have their contacts deleted if, in the Contest Manager's opinion, they have favoured some entrants at the expense of others.
13. Awards
- a. SANGSTER SHIELD OPEN SECTION: to the highest scoring entrant observing the rules as enumerated. (Note that all entrants qualifying for the Transistor Trophy or Arthur Stevens Trophy will also be eligible for the Sangster Shield Open Section).
 - b. TRANSISTOR TROPHY: to the highest scoring entrant observing the rules as enumerated who is entering the contest for the first time. Entrants who are not NZART members must give their Operator's Certificate number together with date of issue to show they have not been licensed for more than 1 year.
 - c. The "ARTHUR STEVENS (SOUTH ISLAND) TROPHY" will be presented to the highest scoring South Island entrant.. (This trophy is in honour of Arthur, formerly ZL1MT, a long time stalwart of the Sangster Shield Contest).
 - d. Certificates to the first three highest scoring entrants in the Sangster Shield Open Section, the Transistor Trophy and the Arthur Stevens (South Island) Trophy.
 - e. Certificates to Overseas entrants with the highest score in their respective call areas. e.g. VK2, VK7
 - f. TONY FLETCHER (ZL2ALJ) MEMORIAL TROPHY to the branch with the highest aggregate score from a minimum of three entrants. The top three scoring entrants for any Branch will automatically be aggregated - it is not necessary for a Branch to send in an entry for this section.
- From 2015 this Branch Trophy replaced the former certificate and takes the form of an engraved miniature commemorative plaque awarded to the winning Branch. This award is funded by Wellington Branch 50 from a bequest from the estate of long time Sangster Shield contestant Tony Fletcher, ZL2ALJ (SK).
14. Logs must be posted or emailed (see §8. Logs) to reach the Contest Manager, Glenn Kingston ZL2KZ, 53 Tannadycce Street, Wellington 6022, on or before the fourth Saturday after the contest (**JUNE-17-2017**). Emailed logs to be sent to sangster@nzart.org.nz by the same date.
-

Do you have RFI — Clean up your shack

Ian White, GM3SEK gives helpful advice about how to reduce noise levels on receive and avoid causing RF Interference. RSGB Convention lecture 2015 - Clean up your shack Click on the link: <https://youtu.be/LSL1h6MJbal>

Midway and Kure Islands Reinstated as DXCC Entities

05/11/2017

On March 31, 2017, the DXCC desk announced the deletion of Midway Island and Kure Island from the DXCC entities list. The stated reason for this action was because of changes in the administration resulting from changes in Papahānaumokuākea Marine National Monument, formerly known as the Northwestern Hawaiian Islands Marine National Monument, of which the Midway Atoll National Wildlife Refuge and the Battle of Midway National Memorial, the Hawaii State Seabird Sanctuary at Kure Atoll, and the Northwestern Hawaiian Islands State Marine Refuge, of which they are all included.

After further review it has been found that the deletion of these two entities is not supported by the changes that were made to the relevant administrations. Therefore, the deletions from the DXCC list should not have occurred and the two entities, Midway Island KH4 and Kure Island KH7K, will return to the DXCC list as separate entities.

Rotorua NZART Conference

Queens Birthday Weekend 2nd - 4th June 2017

Please, one person only per registration form:

Name Call sign

Address

Home Phone (.....)..... Cell phone (.....).....

Email address Age..... (Used only for statistics and prizes)

Special dietary requirements



Entire Weekend			Tick
FULL Amateur	Includes lunches, refreshments, Sat Sun dinners	\$200	<input type="checkbox"/>
FULL Alternative	Includes Sun lunch, refreshments, Sat and Sun dinners	\$170	<input type="checkbox"/>

Late payment surcharge of \$30 if received after 15th May 2017 \$30 ☐

Total \$

OR

Saturday 3th June			Tick
AGM only	DOES NOT include any refreshments or meals	FREE	<input type="checkbox"/>
Amateur Program	With lunch & refreshments, does not include dinner	\$70	<input type="checkbox"/>
Dinner		\$55	<input type="checkbox"/>

Sunday 4th June			Tick
Amateur	With refreshments and lunch, but does not include dinner	\$70	<input type="checkbox"/>
Amateur Forums	Forums only, DOES NOT include any food or refreshments	\$30	<input type="checkbox"/>
Alternative	Does not Include dinner	\$30	<input type="checkbox"/>
Dinner		\$50	<input type="checkbox"/>

Late payment surcharge of \$30 if received after 15th May 2017 \$30 ☐

Total \$

Please note:- Registrations close on **Monday 15th May**

Registration received after this date will not be processed unless the surcharge of \$30 is included

Email your completed registration to **rego@hamradio.co.nz** or **tedmarg@clear.net.nz**

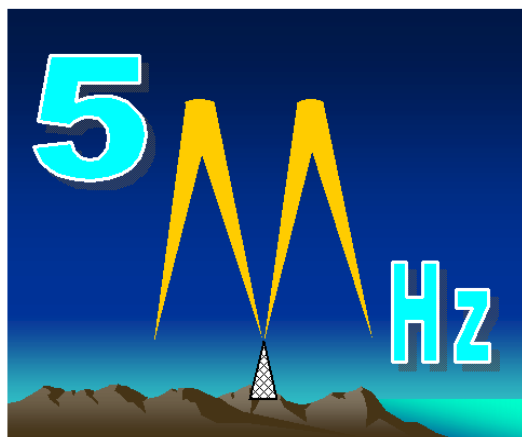
Post to : M. Bretherton, 24 Iles Rd, Lynmore, ROTORUA 3010

Payment options:-

• Cheque please make payable to M Bretherton. I'net Bank 03 0415 0056233 000. Include Surname and Callsign

• If Interested in Sunday pm mini bus Sightseeing tour please tick ☐

• Credit cards - We have no facilities. Payment must be by Cheque or Internet Banking.



NEWSLETTER

Edition 18 Winter - Spring 2017

Caribbean Netherlands now gain 5 MHz Allocation

THE following 60m news was given by the Branch Manager / Senior Inspector, **Dutch Caribbean Agentschap Telecom** regulator in Bonaire: "Recently Agentschap Telecom (AT) has updated the frequency plan for **Bonaire**,

Sint Eustatius and Saba with the addition of the 60 meter band (5351.5 - 5366.5 kHz) for amateur radio, this with a **secondary status**. This means that the band may be operated by **A, B or C Amateurs (full licence)**.

The band has footnote 5.133B which limits the power in the Caribbean region of the Kingdom of the Netherlands to **25 Watt (e.i.r.p.)**."

(Tnx: Dutch Caribbean AT, PH2M, W8GEX, DX-World)



United Arab Emirates on 60m



AMATEURS in the United Arab Emirates (UAE) have access to 60m. The UAE National Frequency Plan published by the national regulator, **TRA - The Telecommunications Regu-**

Authority, shows the WRC-15 **Secondary** allocation of **5351.5 to 5366.5 kHz** together with ITU footnote 5.133B which indicates that the maximum power permitted is **15W EIRP**.

<http://www.tra.gov.ae/en/services-and-activities/frequency-spectrum-management/services/nfp-plans.aspx> UAE National Frequency Plan - see p. 8

(Tnx: TRA, A65DR, W8GEX)

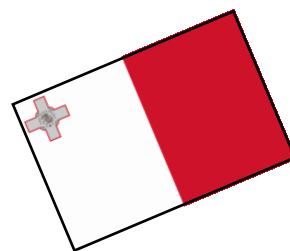
...Together with Malta

THE **Malta Communications Authority** - the island's telecomms regulator published its new National Frequency Plan (NFP) in April 2017. This includes the

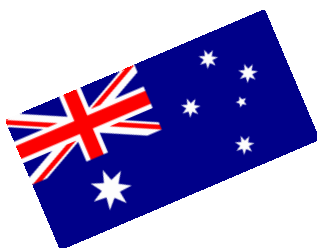
new WRC-15 60m amateur **secondary allocation of 5351.5 to 5366.5 kHz**. **Maximum power permitted is 15W EIRP**. See p 17 of the National Frequency Plan :

http://www.mca.org.mt/regulatory/authorizations_licensing/national_frequency_plan

(Tnx: MCA)



Australia to have 5 MHz access later in 2017 ?



THE **ACMA (Australian Communications and Media Authority)** published a

new Spectrum Frequency allocation document in December 2016 with an intended implementation date of January 1. 2017. <https://www.legislation.gov.au/Details/F2016L02001/Download>

The document includes the WRC-15 allocation from **5351.5 to 5366.5 kHz** to the

Amateur Radio Service on a **secondary** basis. Maximum Power is **15W EIRP**. There are delays with implementation of the new plan however Australian Full licence holders should get access to the 60m band during 2017.

(Tnx: ACMA, WIA)

In this issue

NEWS : Latest on 5 MHz Caribbean Netherlands, United Arab Emirates, Malta, Panama, Hong Kong, Uruguay, Slovenia, Switzerland, Niger, Portugal, Republic of Ireland, Kazakhstan, Germany, Sweden, Australia, Netherlands, UK Allocation Changes Beacon News

FEATURES:
5 MHz in Europe
Postage-Stamp Garden ?
Exercise Blue Ham 2

POSTSCRIPT:
Mixed Blessings

Panama now on 5 MHz

FOLLOWING AN Resolution No. 10789 -Telco of Dec. 21st, 2016, which appeared in the Official Gazette No. 28185-A of December 27 2016, the *National Authority for Public Services of the Republic of Panama*

(*ASEP*) published their 2016 National Frequency Plan which contained the WRC-15 amateur secondary allocation of **5351.5 – 5366.5 kHz**.

Panama National Frequency

Plan 2016 (p.36) :
http://www.asep.gob.pa/index.php?option=com_wrapper&view=wrapper&Itemid=242

(Tnx: HP1AVS, ASEP, W8GEX)



THE local telecommunication authority in Hong Kong, *OFCA - Office of the Communications Authority* - has now allocated **5351.5 - 5366.5 kHz** to the amateur radio

service on a secondary basis. The maximum power permitted is **15 Watt EIRP**. Hong Kong Table of Frequency Allocations, January 2017, (p.13) :

http://www.ofca.gov.hk/filemanager/ofca/common/Industry/broadcasting/hk_freq_table_en.pdf

(Tnx: VR2XMC, G3PSM, OFCA)

Hong Kong Allocated 60m

WRC-15 Allocation for Uruguay

ON February 16, 2017, the Uruguay telecommunications regulator, *URSEC (Unidad Reguladora de Servicios de Comunicaciones)* published new amateur radio regulations (RESOLUCIÓN N° 026/2017), effective from

Feb. 1 2017, which included the allocation on a Secondary basis of **5351.5 to 5366.5 kHz** to the amateur service. Modes are as follows: 5351.5 – 5354.0 kHz: CW & Digimodes 5354.0 – 5366.0 kHz: all modes (for SSB use USB) 5366.0 –

5366.5 kHz: CW & Digimodes. for Superior only licensees with maximum power permitted of 25W EIRP.

(Tnx: URSEC)



THE Slovenian telecoms regulator, *AKOS*, has given permission for use of the 60m band in Slovenia. First of all a temporary three-month licence

(Jan. 11 – Apr.11 2017) is being issued to all Slovenian amateurs who apply for it. The allocation is the WRC -15 one from **5351.5 to 5366.5 kHz with 15W EIRP**.

And Slovenia..

It is hoped that in three months the administration will adopt the regulation fully which will be valid for all. The IARU Region 1 60m bandplan is recommended.

(Tnx: S50A, W8GEX)

Status Quo for UK 5 MHz

A number of UK amateurs have recently enquired of the Radio Society of Great Britain (RSGB) the current status of the WRC-15 decision with regard to the present UK 5 MHz allocation. Here is their reply :-

"A amateurs in the UK have been very fortunate in having early access to 5MHz, with 5 spot frequencies 15 years ago and more than 70kHz of spectrum made available in 2013. This was a result of close cooperation with Ofcom and the MoD, who is primary user on the band. The UK currently has an arrangement that gives us more spectrum and a higher power allowance of

100W at 5MHz, however it does not cover all of the WRC-15 band of 5351.5 to 5366.5kHz. The Society played a very active role in the WRC-15 process and continues to work with Ofcom to gain access to all of the WRC-15 band, however this is not expected to change in the foreseeable future as there are on-going assignments within the band. The RSGB will

implement the IARU Region 1 band plan for 5MHz within the segments allocated to us. In common with other Region 1 societies with allocations greater than 15kHz, we will recommend that frequencies within the WRC -15 band that are allowed under the UK Amateur Radio Licence only be used for international contacts, or for stations with no other option."



Swiss now gain 5 MHz access

SWITZERLAND gained 5 MHz privileges starting on Jan 1, 2017. WRC-15 conditions apply - **5351.5 to 5366.5 kHz, a Secondary allocation with 15W EIRP.**

5351.5 – 5354.0 kHz: CW, narrowband modes; 5354.0 – 5366.0 kHz: all modes (USB); 5366.0 – 5366.5 kHz: (narrowband weak signal modes).

See also :

<http://www.uska.ch/2016/11/18/schweiz-freigabe-60m-band/>

(Tnx: USKA)

Niger granted WRC-15 allocation

THE Niger telecoms regulator, **ARTP (Autorité de Regulation des Telecommunications et de La Poste)**

permits 60m access in the country to all Niger amateurs under the WRC-15 allocation of **5351.5 – 5366.5 kHz** and its subsequent ITU footnote.

(Tnx: EA5GM, W8GEX)



WRC-15 plus for Portugal

IN November 2016, their telecommunications regulator, **ANACOM**, permitted 5 MHz operation on the new

WRC-15 60m allocation **5351.5 – 5366.5 kHz, together with two other 3 kHz channels, 5371.5 and**

5403.5 kHz. Modes allowed are **A1A and J3E.** No power limit is given

(Tnx: CT1EEB)

.... And for Ireland

ON 22 December 2016, Irish regulator **ComReg** released with immediate effect the WRC-15 band of **5351.5 to 5366.5 kHz on a secondary basis.** No application or fee is necessary for this

segment. **The power is 15 watts PEP** measured at the transmitter or amplifier output. All modes may be used. This allocation does not affect the availability of the existing channels

centred on **5280, 5300, 5332, 5348, 5400 and 5405 kHz.** Special authorisation is still required for these at an annual licence fee of €30.

(Tnx: ComReg, EI7CD, EI7GL)



Kazakhstan joins 60m

FOLLOWING a request from the Association of Amateur Radio Services in Kazakhstan (**AARSK**), the Republic of Kazakhstan state telecoms regulator, **MIC (Ministry of Information, Communications & The**

Media) issued an official letter Number 16-1/1824-1 dated 22 December 2016 authorising use by Kazakhstan radio amateurs of the new WRC-15 60m Allocation of **5351.5 – 5366.5 kHz on a Secondary basis.** At

this time no maximum power limit has been indicated and this will be further clarified with the Ministry by discussions with **AARSK**, who advocate use of the **IARU 60m Bandplan.**

(Tnx: AARSK)

Germany gets 5 MHz WRC-15 allocation

ON 19 December 2016, the German communications authority, **BNetzA**, issued a decision permitting access to the new WRC-15 60m

allocation for German A class amateur licensees. The allocation is from **5351.5 to 5366.5 kHz on a Secondary basis** with a

maximum power of 15W EIRP. All modes are permitted.

(Tnx: DARC, BNetzA)



Swedish changes include WRC-15

SINCE the end of October 2016 the Swedish Post & Telecom (**PTS**) regulator has been issuing temporary (6 month) experimental licenses for **5351.5 –**

5366.5 kHz. Maximum power permitted is 15W EIRP on a non-interference basis. Mobile operation is not allowed. Bandwidth is limited to 3 kHz independent

of the type of modulation. This replaces the previous four 3 kHz segments used during the past years which now have expired.

(Tnx: STS, SSA)

More than half of Europe now on 5 MHz

QUITE a few of the new entries in this edition are from European countries, so let's see what the European situation looks like 60m-wise.

To do so we need to view the members of CEPT (European Conference of Postal & Telecommunications Administrations) of which there are currently 48 - *Albania, Andorra, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, The former Yugoslav Republic of Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom and the Vatican*, of which 27 now have a 5 MHz allocation, giving a percentage total of 56% appearing highlighted in yellow on the map.



5 MHz from A 'Postage-Stamp' Garden ?



WANT to operate 5 MHz, but only have a 'postage-stamp' garden, or a flat dweller? Then the **AM-Pro 60 5 MHz helical whip** could be your answer. At 8.04ft or

2.45m in length each, a pair of these can form a dipole assembly for the space-challenged operator. Rated at 250W with standard 3/8" thread and 50Ω impedance,

the AM-Pro 60 retails at £22.95 from **Nevada Radio** <http://www.nevadaradio.co.uk/amateur-radio/antennas/mobile-antennas/am-pro-60>

Allocation Changes

WHILST WRC-15 has brought about many new allocations, it has also brought about some changes in allocations - not always as welcome. **THE**

NETHERLANDS, which previously had a pre-WRC-15 100 kHz-wide 5350 - 5450 kHz 100W allocation as of April is now restricted to the 15W EIRP WRC-15

one. Similarly, **SLOVAKIA**, which had a 5258.5 - 5410 kHz 100W allocation is now awaiting notice of a change to 15 kHz at 15W EIRP (Tx: VERON, OM5NA, OK1RP)

Cadet Exercise Blue Ham 2

FLT Lt David Webb, RAFVR (T), Central & East Region Radio Communications Officer reports on the second Amateur - Cadet inter-communications exercise:

"During March the UK Cadet Forces took part in the above radio communications exercise during the 18 - 19 and 25 - 26 March 2017 using the 5 MHz (60m) Band within the agreed nominated channels. Having two weekends of activity this year meant that more stations would have the opportunity to work each other and leave some of the channels available for the normal nets that operate over the weekends.

Around the UK Cadet stations were set up and operated on the Band for the purpose of Radio Amateurs to make contact with them. A similar exercise was run in June 2016 with great success.

Operating rules were slightly different from last year which made making a contact easier to work. With the current HF working conditions we are experiencing at the moment the right equipment and antenna was going to be the key to getting good results from this exercise.

Once again special callsigns were allocated out to stations that would be operating before the start of the event and were only usable during the period of operation - this provided some interesting callsigns in everyone's logbooks.

Units from RAFAC, ACF and SCC made contact with 273 different Amateur callsigns with nearly 1300 calls being logged electronically during the period of operation. Some Cadet station-

to stations that would be operating before the start of the event and were only usable during the period of operation - this provided some interesting callsigns in everyone's logbooks.

Units from RAFAC, ACF and SCC made contact with 273 different Amateur callsigns with nearly 1300 calls being logged electronically during the period of operation. Some Cadet station-

-Cadet station contacts were in use. At times Amateurs also recorded in the log-book. Once a contact was logged into the system it showed up onto a map which could be accessed by going to <http://alphacharlie.org.uk/blueham/showmap.php>

The top scoring callsigns for contacts racked up are

G4DYA - 56, G0TNF/P - 49 and OZ7MHZ - 44 - well done gentlemen.

Any Amateur with 10 or more contacts can e-mail your callsign and contact details to blueham@alphacharlie.org.uk to claim a PDF Certificate.

Cadets and Staff who operated gave out their callsign, county location, signal report and equipment in use, Amateurs replied with callsign, Maidenhead Locator, signal report and equipment

changes and got them all positively listening!

Feedback again has been good and thanks go to those who have sent in the detail. We will look at setting up another exercise later on in the year when conditions may be better, details will be announced nearer the date. Thanks you for taking part and giving the operators plenty of 'Air Time' which cements their radio training that they have received.

73 from all of the Cadet and Staff Radio Teams. "

[RAFAC = RAF Air Cadets
ACF = Army Cadet Force
SCC = Sea Cadet Corps Ed.]

Beacon News on 60m

THE Hungarian 60m CW Beacon **HG7BHB** on 5352.5 kHz **has now ceased operation**. The beacon went out of order on 20th February 2017 and following a substantial increase in activity near its frequency plus the fact that

an alternative frequency was not available, the decision was taken to switch off the HG7BHB beacon. On 5290 kHz, the UK beacons **GB3WES** and **GB3ORK** **have had their licences renewed** (the GB3RAL bea-

con on 5 MHz has been discontinued, owing to site difficulties). GB3ORK is currently under repair. Also on 5290 kHz is the South African WSPR Beacon Cluster. The first WSPR Beacon, **ZS6KTS**, is now inactive

and its place has been taken by **ZS6SRL**, which is located at SARL HQ (KG33wv). In addition there are some personal beacons, such as **ZS1TB** (JF96hb).
(Tnx: HA7PL, G6JYB, SARL)

Postscript.....

Hi All,

First of all, my apologies for the late arrival of this edition - basically every time I set up a page, along came another batch of new allocations, so that you will see in this Newsletter we now have something like 14 new additions!

Good, but there's a mixed blessing - you will see that a couple of countries have lost their wide pre WRC-15 allocations in favour of what now seems to be called the basic "15/15". Surely it behoves us to persuade our regulators to retain a modest amount and power level in addition to implementing the basic WRC-15 allocation?

Paul Gaskell, G4MWO, Editor, The 5 MHz Newsletter.



The 5 MHz Newsletter
& The 5 MHz Logo
are
© Paul Gaskell,
G4MWO, QTHR.
E-Mail:
g4mwo@arrl.net