



**Auckland Branch**  
N Z Association of Radio Transmitters Inc.

## **NEWSLETTER**

**September 2013**



## **Saturday 21st September 2013**

(Being the regular 3rd Saturday of the month)

### **Working bee tasks:**

- Dig paddock and lay new sink outlet pipe
- Block up the possum's access to the ceiling space
- Install the outside tap and tub
- Clear the ground where the tower will be erected
- Set up the Remotely Controlled Station

### **General Meeting at 1330 hours;**

#### **Agenda:**

- To receive correspondence and reports, etc. from the Committee
  - To ratify payment of \$579.16 for Insurance premium
  - To hear Members' suggestions to the Committee.
- Only these agenda items are permitted (as per the Constitution)

**No BBQ /No entertainment /No Speaker until October General Meeting.**

### **DIRECTORY:**

[www.gsl.net/ZL1AA](http://www.gsl.net/ZL1AA)  
[ZL1AA@NZART.org.nz](mailto:ZL1AA@NZART.org.nz)

Clubroom: 528-2039

Contacts: 524-9969 (Gwynne)

21- 0226-4981 (Steve)

Box 18-003, Glen Innes, Auckland, 1743. Nets Mondays 3.645 MHz  
400 St Johns Road, Kohimarama, 8 pm: Thursdays 145.775 MHz

Google earth: 36.86973°S; 174.84386°E

ARRL Grid: RF73kr

ASB Bank Account: 12-3047-0076823-00

Club: Saturdays 145.775 MHz

Skype: ZL1AA\_NZ

Remote K3: [ZL1AA.dyndns.org](http://ZL1AA.dyndns.org)

## From your President George ZL1TUJ



### Security:

It is important that the last Member to leave the clubroom ensures that the curtains are drawn and that the Alarm is set. A red light indicates that the alarm is active. When opening the clubroom door, enter the code within one minute. The green light indicates that it is disarmed. In the event that you fumble the buttons, simply enter the code again, else be prepared to be deafened by the siren.

Keys to the Clubroom have been issued to the Committee. If any Member wishes to regularly visit the clubroom mid-week, apply to the Secretary, pay a deposit of \$10 and sign for a numbered door key and you will be told the code.

**The gate** needs to be locked only at night. The key for the padlock is kept in a black box that is magnetically attached to the metal post beside the wooden post that secures the chain. There is another "for emergency use" gate key in the clubroom, under the alarm pad.

### Working Bee:

Notice when entering the gate, that the weeds, once thriving along the right-of-way, have been cleared; thanks to Selwyn and Wallace. Steve has water-blasted the toilet block and signs have been placed to show where the key is kept (in the Clubroom below the Alarm pad and attached to a green tab). The 20m loop has been erected and the 80m loop stored away ready for the next JWFD. Watch out for the thin guy ropes as you drive in approaching the clubhouse. They are hard to see.

### The Leader Cup:

Selwyn has researched the origins of the Leader Cup to discover reference in Break-In of February 1938 to plain "Mr. Fred Leader" elected as a Committee member. The most likely inference is that Fred Leader was an elderly and respected member of Auckland Branch, perhaps in the radio trade somewhere. He is affectionately referred to as "Ole Fred". If he was licensed his call-sign would have appeared in Club News (possibly he was never able to pass the Morse Code test).

Two plaques fastened to the cup show that it was awarded twice before 1939. During War II all amateur licences were suspended for security reasons. What became of Fred Leader himself, is a mystery. Other winners since the war ended were: Ross Keatinge ZL1BNF (now KT1F; see mention of him in the July 2013 Newsletter - that may be retrieved from the Newsletter archive on our web page) and Vic Boric ZL1WG-SK.

### Logs:

Wes ZL3TE has uploaded our logs to LoTW and to eQSL. Already we have had a call from Bryce K7UA (see his [www.QRZ.com](http://www.QRZ.com) page) seeking a QSL for his QSO at 22:58 UTC on 26 October 1974 on 10m SSB operating as K7SAI. At that time ZL1AA/C was operating a YL DXpedition at the Chatham Islands. Do any of our Members remember Marion Lister ZL1BKL and Carol Johnston ZL1AJL?



### Subscriptions:

The Treasurer reports that there are still about 10 Members who have not yet paid their subs this year. We desperately need the funds. Link to our [www.qsl.net/zl1aa](http://www.qsl.net/zl1aa) web page and fill in the renewal form.

## 2013 Oceania DX Contest

PHONE Contest: 08:00 UTC Saturday **5 October** to 08:00 UTC Sunday 6 Oct 2013

CW Contest : 08:00 UTC Saturday **12 October** to 08:00 UTC Sunday 13 Oct 2013

THE AIM of the contest is to promote HF contacts with stations in the Oceania region (VK, ZL, Pacific Islands and other locations within the IARU "Worked All Continents" Oceania boundary). Rules are at [www.oceaniadxcontest.com](http://www.oceaniadxcontest.com)



## **ZM90DX Press Release #1**

After World War 1 and with the banishment of radio amateurs to the supposedly "useless shorter wavelengths" an amazing period of radio exploration took place. Amateurs all over the globe soon learnt that far from being useless these wavelengths seem to allow communication over long distances. Amateurs in ZL were at the forefront of this activity with the first ZL to VK QSO in April 1923, and then world record distance QSOs between ZL and Argentina in May 1924, ZL and California in September 1924, ZL and Connecticut on the US east coast just weeks later, and the ultimate Z4AA Frank Bell's QSO with Cecil Goyder G2SZ in London on 18 October 1924.

To commemorate the 90th anniversary of the record breaking activities of these early pioneers of Amateur Radio, **ZM90DX will be on the air between 1 October 2013 and 31 October 2014 on all bands 1.8 MHz to 1.2 GHz and beyond in all modes.** Activated by the Kiwi DX Group, an informal group of DXers and contest enthusiasts, ZM90DX will be used around New Zealand and a special commemorative QSL card will be available as well as an award program for contacts with ZL during this period.

Not only will ZM90DX be active at expected times and on expected bands, but in the spirit of those early pioneers the ZM90DX operators will also be calling CQ on bands and in directions one may not necessarily expect with the intention of exploring the boundaries of radio propagation.

This will be an unparalleled opportunity for Amateurs all over the world to work ZL while celebrating the exploits of those early trail blazers whose work paved the way for radio communications as we know it today.

Further details can be found on <http://www.zm90dx.com>

**Note: Please remember this is a ZL based activity**  
not ZL9 Campbell & Auckland Islands.

ENSURE your logging software logs ZM90DX correctly as ZL and NOT ZL9, Auckland / Campbell Islands  
To update the Country File for your logging software please visit: <http://www.countryfiles.com>

# Auckland Branch 02, NZART (Inc)

## Minutes of Committee Meeting

**Time / Date / Place:** 1937 hours / 3<sup>rd</sup> September 2013 / Clubroom

**Attendees:** George ZL1TUJ (presiding), Steve ZL1FS, Wallace ZL1WAL, Ray ZL1AJR, Wes ZL3TE, Japie ZL1JJN, Rob ZL2RD, and visiting Hon. Life Member ZL1BRC.

**Apologies:** Gwynne ZL1AAR

Sustained ZL1WAL / ZL3TE

**Minutes** of the previous Committee meeting on Tuesday 6<sup>th</sup> August 2013

Taken as read and approved ZL1WAL / ZL1JJN

### Correspondence In:

Newsletters: Suburban Franklin, North Shore (by post); Western, VHF Group (by e-mail).

Selwyn – contribution for Newsletter for sites reporting Solar Activity

NZART Infoline re PIB46

North Shore - Jumbo Bowls Competition

Japie – info that WIA have been denied authorization for permanent high power by ACMA; RF danger

North Shore – Request for help for Labour Day JOTA weekend

Wes – Progress with LoTW and [www.QRZ/db/ZL1AA](http://www.QRZ/db/ZL1AA) page update defining our QSL policy

Robert – seeking clarification about loop antenna projects

Selwyn – Criticism of newsletter notice about Loop antenna project(s)

Selwyn – Attendance at General Meetings resulting in them not being held for want of a quorum.

### Correspondence Out:

Andrei – Update QSL net/ZL1AA web page

Robert – Clarification of date of Working bee and schedule of tasks

Wes – Logs for Memorial day contest

Stuart Watchman – Supporting Bonus points being given to Branches who provide publicity for JWFD

NZ Post – Application made for community post prepaid envelopes

Received and Approved ZL1TUJ / ZL1WAL

### Finance:

#### The Treasurer presented the Finance report

Ratification for spending \$579.16 (Insurance premium) has not yet been approved at General Meeting

Received ZL1WAL / ZL1TUJ

**Arising:** The Treasurer is to ask State Insurance to render two 6-monthly accounts in future.

#### Expenses requiring approval to pay:

Broadband	Orcon	\$76.26	Direct Debit
Lawns	R Higgins	\$73.60	

Approved ZL3TE / ZL1TUJ

#### Funding applications

AREC: Treasurer is to revise application to Civil Defence for \$912.00 (being cost of the Orcon account).

Other projects – No details have been submitted yet.

### General business:

#### Progress Reports:

##### AREC

The Branch should monitor the emergency frequencies: 5.320 MHz and 5.395 MHz for training

Check in for AREC net every Wednesday at 10 am.

Operators are required for 2m VHF events. They should contact Japie on 021-217-8601:

- Heritage walk on 28<sup>th</sup> September. .
- Heritage walk in October
- Santa Parade in November

Yellow jackets (cost \$20) are required to be worn. George said that he will sponsor these.

##### Working Bee:

- 20 m loop antenna has been erected to replace the 80m loop that stood in the yard.
- Weeding has been done in the driveway and around the clubroom doorway.
- Toilet in the block building (ex Scarbros) has been cleaned and signposted:  
“ZL1AA The key is at the clubroom beneath the Alarm pad. It has a green tag”  
“Do not use the urinal. Return key to the clubroom and hang beneath the Alarm pad.”

##### Maintenance outstanding;

- Sink out-flow
- Possum
- Lights: One has been replaced. Another is to be replaced.



# MINUTES of Committee Meeting 3<sup>rd</sup> Sept 2013 (Continued)

## Progress Reports: (Continued)

**Remotely operated K3 station:** It will revert to its original setup so as to enable Members with poor reception, (e.g. the Net Controller whose neighbour runs a plasma TV) to be a passive listener to the Club net on Monday evenings. **[See instructions below. Ed.]** Such persons would nevertheless transmit from their own QTH.

**Examinations** Mansel Jaffres, an Auckland Grammar schoolboy passed the exam on Thursday.  
Next exam Sunday 10<sup>th</sup> October 1 pm

**Club Logs.** Wes reported that 7500 log entries from between 2004 and 2013 have been uploaded to LoTW and eQSL

## Future events:

9<sup>th</sup> October General Meeting. George will ask Vaughan Henderson to speak to the meeting.

26<sup>th</sup> October JOTA. Wallace has volunteered to set up ARDF (fox hunt) at Camp Maynard in Albany.

## Constitution: Quorum for General Meetings

The Secretary read out from the Branch Constitution, the provision that allows the Committee to define rules of interpretation in the absence of a clear statement in the Constitution. Thus the Committee may define the quorum required for a General Meeting.

Resolved that two Officers must be present at a General Meeting  
Amended that this apply only to the September General Meeting

ZL2RD / ZL1WAL  
ZL1FS/ ZL2RD

## The Tower:

Discussion about the tower is to be held over for next month's Committee Meeting

The meeting closed at 22:45 with supper supplied by Ray ZL1AJR.

## Passive listener to the Remotely operated Station ZL1AA:

1. An audio feed will soon be accessible by anyone who, at their QTH, wants to listen via their PC using **Windows Media Player** or its equivalent program. Start the program > Open URL > (then for the first time, enter: <http://zl1aa.dyndns.org.8080/> ) Subsequently this address becomes the default.
2. No guarantee is made that the Station will be operative at all times.

**Note:** This facility does not allow the Member-client to operate (i.e. change the frequency of) the Remotely operated Station. Watch this space next month for further announcements when such operational control will be made available to Members.

## “Favourites” that are stored on the club's PCs' browsers:

- <http://solarham.net/>
- <http://dx.qsl.net/propagation/propagation.html>
- <http://solen.info/solar/>
- <http://www.raben.com/maps/index>
- <http://www.dxmaps.com/spots/map.php>

Hit any button to display the geographic area or band of interest.

de ZL1BRC

The PC at Station 1, runs **IONOPROBE**, **BANDMASTER** and **DXATLAS** which interacts real-time to display solar conditions /predictions, spots and map locations. Click on any recent spot, and notice that the radio tunes to it and shows the great circle path on the map.

Automatic antenna switching is not implemented yet. A future project ? [Ed.]

## HIGH POWER

### AUSTRALIAN AMATEURS TO LOOSE TEMPORARY HIGH POWER PERMISSION AT THE END OF AUGUST

Radio amateurs in Australia have learned that their temporary high power authorization will end on Sunday August 31st and for now will not be renewed. The Australia Communications and Media Authority says that this is because the radio amateurs in that nation are not properly aware of RF exposure requirements.

At a meeting between the WIA and the ACMA on Monday 5th August, the ACMA told the Institute that the arrangements put in place to authorize the use of higher power will not be made permanent.

The ACMA revealed that its decision was reached after reviewing data it obtained during an assessment process that began back in March this year. According to the ACMA, the trial demonstrated a lack of awareness by some Advanced Licensees of their license conditions.

Of particular concern to the ACMA were issues related to compliance with electromagnetic energy requirements and that this lack of awareness is not confined to the use of higher power than the 400 watts already permitted.

The ACMA said that the results of the trial demonstrate there is a need to raise awareness among licensees of their license conditions, and that this should not be confined to Advanced Licensees, adding that the ACMA looks forward to working with the WIA to achieve that objective.

It is important to realize that radio amateurs are not being singled out here. Compliance with electromagnetic energy requirements applies to all apparatus licensees, including broadcasting, maritime services and others. The ACMA also remarked on the lack of awareness of electromagnetic energy compliance generally among other licensees.

To address this issue, and to prepare for another approach to the ACMA next year, the Institute has begun implementing plans to promote widespread awareness of the necessary compliance with electromagnetic energy requirements for amateur stations.

## Auckland Council Unitary Plan

The Auckland Council has made some progress with its Unitary Plan. There has been an assessment of all submitters' comments to the Draft Plan, and this is available on Auckland Council Website. The council officers' recommendations were considered at a three day meeting by the planning committee of Council on 28th to 30<sup>th</sup> August. The outcome of those deliberations will be incorporated into the Objective Unitary Plan which we expect will be published late this month.

The Amateur Submissions were incorporated into Clauses 23 to 36 of the section titled "Network Utilities and Energy" under the heading "Amateur Radio Configurations". Basically, the planners have recommended the provisions of the previous North Shore City Council (NSCC). Most of the Amateur submitters had requested these NSCC provisions.

Clause 32, Primary Support Structure: 15 metres.

*This is much less than the 20 metre height of a HF Multi-band antenna which is considered in all the technical literature as the minimum effective height.*

Clause 27, Max number of aerals: Six.

Clause 34 - Rotators. One.

Clause 33 - Secondary Support Structure and Clause 29 - Support Structures. One.

*Because of the directional nature of wire aerals, it might be desirable to have an East/West 80m dipole for working NZ, and a North/South 40m dipole favouring Australia. Also many NZ Hams use a Horizontal full wave loop, which effectively has two wires from each of four poles. A limit of one wire antenna from a single secondary support structure would therefore appear to be somewhat ridiculous.*

*NZART should get solidly behind a full scale submission aimed at getting the Tauranga provision for 20 metres, as made by Mike Newman (NZART's Local Government Liaison Officer) or better. The fear is that if we do not do this, Auckland's provision (serving nearly one third of NZ's population) will undoubtedly become the "Benchmark Standard" for the whole of NZ, and all Hams in the rest of the country who wish to do more than ONLY HF or ONLY VHF will suffer.*

de Douglas Birt, ZL1BFS, Secretary Hibiscus Coast Radio Society Inc, [Edited Ed.]

# ZL1AA Is Going Electronic

You may wonder what this means. The ZL1AA logs have started to make a move towards the electronic age. Recently, I have offered to tackle the task of moving the older logs to LoTW.

I have been able to obtain a LoTW certificate and have uploaded 7,526 ZL1AA QSOs to date. These QSOs are from electronic logs provided by Andrei, and myself from the past several Jock White Field Days, and many DX Contests, which Andrei, ZL1TM operated as ZL1AA.

This will be a project that will take some time, and it has been a long time coming. Present operators need not worry about current paper logging procedure, while I am working on the older logs first.

Does anyone have ZL1AA Logs dating back to the 70s. I have also uploaded to eQSL whose oldest QSO information dates from 1971.

73,  
Wes, ZL3TE

The current standings are:

Account Status					
DXCC Award	New LoTW QSLs	LoTW QSLs in Process	DXCC Credits Awarded	Total (All)	Total (Current)
<a href="#">Mixed</a>	71	0	0	71	70
<a href="#">CW</a>	19	0	0	19	18
<a href="#">Phone</a>	67	0	0	67	67
<a href="#">160M</a>	1	0	0	1	1
<a href="#">80M</a>	6	0	0	6	6
<a href="#">40M</a>	27	0	0	27	27
<a href="#">20M</a>	58	0	0	58	58
<a href="#">15M</a>	49	0	0	49	49
<a href="#">10M</a>	10	0	0	10	9
<a href="#">Challenge</a>	150	0	0	---	150

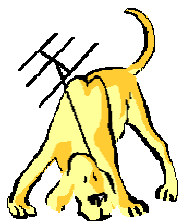
Account Status				
WAS Award	New LoTW QSLs	LoTW QSLs in Process	WAS Credits Awarded	Total
<a href="#">Basic</a>	49	0	0	49
<a href="#">40M</a>	4	0	0	4
<a href="#">20M</a>	31	0	0	31
<a href="#">15M</a>	49	0	0	49
<a href="#">10M</a>	29	0	0	29
<a href="#">CW</a>	49	0	0	49
<a href="#">Phone</a>	45	0	0	45
<a href="#">40M Phone</a>	1	0	0	1
<a href="#">40M CW</a>	4	0	0	4
<a href="#">20M Phone</a>	24	0	0	24
<a href="#">20M CW</a>	19	0	0	19
<a href="#">15M Phone</a>	45	0	0	45
<a href="#">15M CW</a>	42	0	0	42
<a href="#">10M Phone</a>	7	0	0	7
<a href="#">10M CW</a>	29	0	0	29
<a href="#">Triple Play</a>	6	0	0	6

# Announced DX Operations

September						
2013 Sep15	2013 Sep19	Palau	<a href="#">T8GM</a>	LotW	PG5M 20130629	By PG5M; 80-10m; CW; QSL also OK via PG5M, Buro or direct
2013 Sep15	2013 Sep27	Maldives	8Q7CF	LotW	DL2MDU 20130831	By DO3HDA DL2MDU; 80-10m; CW SSB + digital; dipole, long wire; QSL also OK via DL2MDU
2013 Sep15	2013 Oct06	Balearic Is	EA6 NEW	SP2QCW	<a href="#">OPDX</a> 20130907	By SP2QCW as EA6/SP2QCW fm Mallorca I (EU-004); HF
2013 Sep16	2013 Sep18	Panama	<a href="#">HP0</a>	LotW	<a href="#">DXW.Net</a> 20130826	By EA3NT EA5KA F4BKV MM0NDX as HP0INT/4 fm Colon I (Bocas del Toro) (NA-088); 40-10m; CW SSB; see Web page for full QSL info
2013 Sep18	2013 Sep23	Myanmar	XZ1Z NEW	Club Log	JA1TRC 20130901	By JH1AJT fm Nay Pyi Taw; mainly CW; focus on NA, SA; triband yagi + GPs; fm atop 1,557 foot hill; QSL also OK via JH1AJT
2013 Sep18	2013 Sep25	French Polynesia	FO	JJ8DEN	<a href="#">DXW.Net</a> 20130826	By JJ8DEN as FO/KH0PR fm Reao Atoll (OC-238); 80-10m; CW + digital
2013 Sep18	2013 Sep28	Mauritius	3B8	LotW	<a href="#">DXW.Net</a> 20130821	By G0TSM as 3B8/G0TSM; 40-6m; SSB CW RTTY; 2-3 hours per day; QSL also OK via ClubLog OQRS
2013 Sep19	2013 Sep24	Tonga	A35 NEW	JA0RQV	<a href="#">DXW.Net</a> 20130901	By JA0RQV as A35JP/p fm Niuaotupapu I (OC-191); 80-6m; CW SSB; in case of travel problems may be QRV fm another Tonga island
2013 Sep20	2013 Sep21	Singapore	9V1 NEW	See Info	JJ3DST 20130901	By JS6RRR as 9V1/JS6RRR and JR3CNQ as 9V1/JR3CNQ fm AS-019; 40-10m; SSB CW FM RTTY PSK31; see qrz.com for QSL details
2013 Sep20	2013 Sep23	Svalbard	JW	Home Call	VA3RJ 20130808	By DL2JRM as JW/DL2JRM and DO6XX as JW/DO6XX fm Longyearbyen, Spitsbergen I (EU-026, WLOTA 0125); DL2JRM QRV in WAE CW; QSL OK via DARC Buro or direct
2013 Sep20	2013 Sep24	Oman	A43MI	A47RS	VA3RJ 20130808	By Royal Omani Amateur Radio Society fm Masirah I (AS-014); SSB CW + digital; QSL OK via Buro or direct
2013 Sep20	2013 Sep26	Fiji	<a href="#">3D2GC</a>	LZ1GC	<a href="#">DXW.Net</a> 20130625	By LZ1GC fm Viti Levu I (OC-016, RH82qf); 160-10m; CW SSB
2013 Sep21	2013 Sep27	Market Reef	OJ0W	OH3WS	OH3WS 20130719	By OH3WS; 40-10m; mainly CW; QSL OK via Buro or direct: Pasi Bergman, Tuulipolku 4, 13500 Finland; tentative operation
2013 Sep22	2013 Sep29	Lord Howe I	<a href="#">VK9LL</a>	LotW	VK2CCC 20130107	By VK9LL; 160 80m; QSL also OK via VK2CCC, Buro or direct; spare time operation
2013 Sep23	2013 Sep23	Singapore	9V1 NEW	See Info	JJ3DST 20130901	By JS6RRR as 9V1/JS6RRR and JR3CNQ as 9V1/JR3CNQ fm AS-019; 40-10m; SSB CW FM RTTY PSK31; see qrz.com for QSL details
2013 Sep24	2013 Nov16	Uganda	5X1NH		<a href="#">DXW.Net</a> 20130821	By G3RWF
2013 Sep25	2013 Oct03	Svalbard	<a href="#">JW8DW</a>	LotW	<a href="#">OPDX</a> 20130617	By LA8DW fm Longyearbyen (EU-026); 80-10m; CW SSB, possibly RTTY PSK31; QSL also OK via LA8DW, Buro or direct
2013 Sep27	2013 Oct11	Rotuma	<a href="#">3D2GC/p</a>	LZ1GC	<a href="#">DXW.Net</a> 20130625	By LZ1GC as 3D2GC/p and LZ2HM as 3D2RA fm OC-060; HF; CW SSB; also 3D2DD using 3D2DD/p (SSB only, QSL as per qrz.com)

It is recommend that you link to the above web sites to see the publicity about each DXpedition. Such enthusiasm! [Ed.]





# The Fox hunting page

by Wallace ZL1WAL



## JOTA on Labour week end

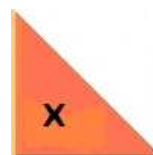
JOTA is a worldwide ham event, held annually in October for almost 40 years. It runs for 48 hours, thus Scouts and Guides may contact each other across the world.

Each year at Labour Weekend, JOTA and IOTA is held at Camp Maynard, near Albany, a property given by Les and Joan Maynard to Scouting New Zealand and financed by grants from the ASB Trust and is run as a not-for-profit organization. It is very well appointed with kitchen, activity rooms and bunk rooms.

Scouts and Guides come from all over the Auckland Province, some to sleep overnight under canvas or in the bunk rooms. About 250 come to earn a Communications badge which is awarded on the completion of several communication activities. North Shore Branch 29 erects antennas, sets up radio stations, laptops with echo-link, morse testing, and other communication related activities, then supervises these activities with the assistance of Venturer Scouts. I have taken on the task of providing ARDF (fox hunting),



For these first time youngsters, it is important that they are successful at these tests. Fox hunting is hard enough without hiding the transmitter, say in the middle of a toi-toi bush. Therefore, each fox is identified with a prism-shaped flag that ought to be visible when within 10 metres of it. Each fox is 'hidden' around the edge of the camp area, so as to avoid having to bush-bash to find it.



The sight of a hound sniffing around the camp ground is an advertisement to others that this is a fun activity. From the balcony shown in the photo above, it is possible to keep an eye on the camp site, and offer help if it seems necessary.

International ARDF rules for 2m gear require that each of the five foxes take it in turns to transmit its call-sign (MOE, MOI, ...MO5) for one minute on a common frequency: 144.700 MHz. Thus one of the frustrations being experienced by the hounds, is that the fox being tracked goes silent for four minutes until its turn to resume transmitting. In contrast, the 80m gear transmits continuously but on different frequencies, 3.51, 3.52, ... 3.55 Mhz tunable by the receiver. This is more satisfying for the hounds. Auckland branch intend to obtain kits for 80m sniffers (DF radios with a ferrite rod antenna) and provide construction courses for new hams to build them,

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Results of IARU **Region 3 ARDF Championships** in Korea should be announced any day now. Link to <http://www.hamardf.net/wp/wp-login.php> However you need to register to see their web site.