



Hastings Br 13

Club Call

ZL2AS

Napier Br 25

Club Call

ZL2GT

IRLP

Node

6793

147.250

HB DX

Cluster

ZL2AL-1

144.650

Connect

and type

"DXC"

**Branch
Nets**

9.00 AM

Sunday

Morning

3615 Hz

147.250

MHz

Editor

John Newson

ZL2VAF

VHF Field Day



The Aerials from the contest. If you look closely you can see the control lines for the Armstrong rotator running to the mast by the Trig. Results are on page 4.

<http://groups.yahoo.com/group/zl2as/>



*Join the KIWI DX Group
Talk to ZL2AL for Details*

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HASTINGS BRANCH 13

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Club Call: ZL2AS

Club Nights: Fourth Wednesday each month at 7.30 pm Surf Club Rooms, Windsor Park, Hastings

Hastings Branch 13 - President's Report

Hi all and I hope everyone had an enjoyable christmas and new year. Since last edition we have had an AREC training day, which was taken by Daniel Ayers, and covered many interesting subjects including our role, APCO P25, licencing and type approval legalities, map reading, and more. A report on the type approval and legalities is contained within this issue.

Over the break, Myself, Wally ZL4DY and Colin ZL2CDK set to getting 9175 back on the air. It is now operating on solar power from Clifton trig. This is the 146m trig above clifton motor camp. It has a good view into Napier and West Hastings, and shouldn't be too difficult for east Hastings. Havelock North and parts of Ahuriri may struggle a bit. The command set and instructions may be obtained by sending me an email.

As always, for all DTMF remote controlled equipment, please announce your callsign before dialing. It is a legal requirement. You might know it's you dialing, but others listening will not know who is punching in numbers.

The results of the VHF UHF field day are in and the Branch 13 team did very well, coming 3rd over all and coming first in the lower 3 bands. This is a great achievement, and was only possible with the help of those that came up on the bands to give points out. My goal now is to encourage other branches to generate some competition for us. All though this is a great contest for the keen microwavers, it has the potential to become the VHF equivalent of Jock White. Thus I will be pushing other branches to get a field station on the air and their troupes on the ground to give points.

870 has made some progress. It is on my bench in peices, however I have the new crystals for it and am in the process of re-aligning the transmitter and receiver. I hope to have it back on the air in the next few months.

Please keep in the back of your mond possible candidates for ham classes. I am currently looking for expressions of interest to see wether it will be viable to take a class this year. If I get enough prospective candidates I will do so.

Please encourage your fellow ham, in the nicest possible way, to be a branch member. This will have many benefits for all. It will help keep subs down, and assist funding for club projects. A large sum of money was spent on 670 in 2007. The benefits are for all. Please help us finance such projects for the benefit of all.

Branch 13 agreed to retain the subs at \$20 and they are now due. Payment may be made directly into the following bank account number. 03-0642-0733310-00. Please use your callsign as a reference.

The Kaweka Challenge event is being held this year on the weekend of the 23rd and 24th of February. This is also the weekend of the Jock White Memorial Field Day Contest. For those taking part in either - good luck and I may hear you / work you on the air.

73, Warren Harris ZL2AJ

NAPIER BRANCH 25

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Committee Meetings: Third Monday of the month 7pm at Club Rooms

Club Call: **ZL2GT**

Club Nights: First Wednesday each month (except January) 7.30pm at the Club Rooms: 123 Latham Street Napier

Branch 25 Napier News...

2008 is well underway - we hope it is a good one for you. On the HF scene the sunspots are predicted to increase as cycle 24 gets underway giving improved conditions on the HF bands. It is now only 18 months to the Hawkes Bay NZART Conference and this year will see much of the planning completed for the event.

The next Napier meeting will be held at the clubrooms 123 Latham St at 7.30 pm on Wednesday 6 February - Waitangi Day.

Subs of \$25 are now due and can be paid to the treasurer or directly into our account at an ANZ bank. The account name is Napier Amateur Radio Club and the number is 116400 0014548 11. The bank branch is Napier. Be sure to give your callsign or name as a reference.

At the AGM in November all officers were re-elected except for Graeme ZL2GRM on the committee who had resigned earlier in the year because of work commitments. Graeme was replaced by Michael ZL2FAR.

We had two visitors at the November meeting: Barrie ZL2BJA of Palmerston North who was involved with the recent NZART Conference and Peter Young VK3MV WIA Councillor. Peter explained that he was in NZ for 6 days only and had a connection with Napier in that his father Les Young was ZL2KK and was living in Napier from January 1932 until he moved to Australia in late 1937. Peter has his logbook showing QSOs from the era and increasing in number as his transmitter power was increased. Les was in Port Moresby during the war, spending three years as control station for all coast watch stations. Peter's grandfather was Napier station master.

Peter stated that there have been 1800 new Foundation licence members in one year in Australia. The youngest being 8 and the oldest 83. There were 23 from late primary school and 212 of the 1800 have upgraded with about 50 dropping out. There are 15,000 hams in Australia and numbers are now back to 1996 levels. The majority of new entrants have been males in the 40-50 year old group but there has been large increases in the number of female hams, some of whom are XYs of others. The foundation licence, which has a power limit of 10 Watts is an operational licence which requires a demonstration of competency and is recognised by the National Training Certificate as a unit. He also talked about D-Star - digital systems and BPL which WIA is having input into the standards for.

On the HF scene there have been two groups activating the newly independent St Bartholomy in the Caribbean with the current one TO5FJ still active until January 20. They are weak here but workable. DXpeditions are also active at Rotuma Island (3D2AG/R) in the Fiji area, the Marquesas group of French Polynesia (FO/OH1RX), Guinea-Bissau (J5C) in West Africa (has been worked by a number of ZLs on 20 metres) and some others.

De Stan ZL2ST

RESULTS OF THE FIELD DAY

CONTEST

1st and 2nd December 2007

Band	Frequency	Callsign	Locator	Points	Band	Frequency	Callsign	Locator	Points
6 m	(50 MHz)				5 cm (5760 MHz)				
ZL2AS	RF80iu 470				ZL1SWW	RF73ir			2621
ZL4DK RE54fe 311					ZL1AOX	RF72mv			1548
					ZL1MRF	RF72jd 546			
2 m	(144 MHz)				3 cm (10368 MHz)				
ZL2AS	RF80iu 1117				ZL1MRF	RF72jd 1238			
ZL1TPH	RF70bq 829				ZL1TPH	RF70bq 1816			
ZL1SWW	RF73ir	755			ZL2IP	RF70bs 90			
ZL4DK RE54fe 493									
ZL1TYF	RE78kv 382				12 mm (24048 MHz)				
ZL1ASV	RF73jr	376			ZL2IP	RF70bs 90			
ZL2IP	RF70bs 248				ZL1TPH	RF70bq 90			
ZL1AOX	RF72mv	166							
ZL2WARE78kt 64									
					TOTAL SCORES				
70 cm	(432 MHz)				ZL1SWW	RF73ir			7710
ZL2AS	RF80iu 1767				ZL1TPH	RF70bq 4782			
ZL1SWW	RF73ir	570			ZL2AS	RF80iu 3672			
ZL2IP	RF70bs 523				ZL1AOX	RF72mv	3618		
ZL1ASV	RF73jr	374			ZL1MRF	RF72jd 2222			
ZL1AOX	RF72mv	198			ZL2IP	RF70bs 2117			
ZL1TYF	RE78kv 19				ZL1ASV	RF73jr	998		
ZL4DK RE54fe 19					ZL4DK RE54fe 823				
					ZL1TYF	RE78kv 401			
32 cm	(925 MHz)				ZL2WARE78kt 64				
ZL1SWW	RF73ir	9							
					BEST DX				
23 cm (1296 MHz)					6 m	ZL3NW – ZL4DK			318 km
ZL1SWW	RF73ir	2311			2 m	ZL1IU – ZL1TYF			656 km
ZL1TPH	RF70bq 1556				70 cm	ZL1SWW – ZL2AS			365 km
ZL2IP	RF70bs 1166				32 cm	ZL1SWW – ZL1TBG			16 km
ZL1MRF	RF72jd 438				23 cm	ZL1SWW – ZL1TPH			342 km
ZL1AOX	RF72mv	410			13 cm	ZL1SWW – ZL1AOX	96 km		
ZL2AS	RF80iu 318				9 cm	ZL1AVZ – ZL1TPH			273 km
ZL1ASV	RF73jr	61			5 cm	ZL1SWW – ZL1MRF	174 km		
					3 cm	ZL1AVZ – ZL1TPH			273 km
					12 mm	ZL1TPH – ZL2IP			10 km

The importance of Regulation 13 of the Radiocommunications Act 1989

Regulation 13 Agreements with other persons

(1) A licensee under a radio licence may enter into agreements with other persons who wish to communicate on the frequency or frequencies or frequency band or frequency bands specified in the licence.

(2) Every agreement is deemed to include a condition that the user or users of the frequency or frequencies or frequency band or frequency bands will comply with all terms, conditions, and restrictions that apply to the radio licence as though the user or users were the licensee.

(3) Every person who engages in radiocommunications under, and in conformity with, any agreement under this provision is deemed to be doing so under a radio licence.

For those that missed the AREC training.... One lesson well covered is the following

To transmit on a frequency (any frequency) legally you MUST meet 2 requirements

- Type approval of the apparatus
- Be licenced to transmit on that frequency

The only exception to this is if you (and not the person standing next to you) are in real and imminent danger.

Examples

Amateur radio

Amateur radio equipment is the only category exempt from type approval. This allows us to brew our own equipment. We still must meet our licencing requirements as shown in our GuRL <http://www.rsm.govt.nz/cms/pdf-library/gurl-amateur.pdf>.

Marine radio

To transmit on marine radio your equipment must be a type approved marine radio. Land Mobile radios do not meet this type approval. (Instant Ch16 recall, limited power output on adjacent channels). Licencing is covered by GuRL <http://callsigns.co.nz/downloads/gurl-mm.pdf>.

PRS / CB

Your radio for PRS / CB must first be type approved (40ch, 5W etc)

Your licence is covered by a GURL <http://www.rsm.govt.nz/cms/pdf-library/gurl-cbr.pdf>

Land Mobile

This includes Search and rescue, civil defence, DoC, or any other service we may work with on occasion. To be legal your equipment must be a type approved commercial radio. Your ham radio does not meet this requirement. Licencing. You must hold the licence to own the radio's capable of transmitting on a commercial frequencies. Alternatively you can hold what is called a Regulation 13 letter, permitting you to own equipment capable of transmitting on the frequency.

Note

The word Capable above is very important. You do not have to be actually transmitting to be at risk of an infringement notice. Having the transmit frequencies loaded, having an opened up radio, will put you at risk. Having the microphone unplugged makes no difference. If you wish to avoid the risk of a fine, the advice is to stay within the rules above.

Fines.

For an individual the fine is \$350. For an organisation it is \$1200.

Although the risk of being audited is low, Radio inspectors now are issuing infringement notices rather than giving warnings.

The above is intended to be informative only, and as a guide to keeping yourself free from risk of a fine. What you do with this information is up to you.

If you wish to get a Reg 13 letter from a government agency for your type approved equipment contact your section leader first. We will have templates to make this process easier, and can advise on the procedure, and possible success of such an application.

World Radiocommunication Conference 2007 (WRC-07)

Geneva, 22 October – 16 November 2007

Report No. 4 to NZART, Week Ending Friday 16 November 2007

Introduction

This has been the final week of WRC-07. Temperatures now hover around 2 – 3C maximum, with a hint of snow flurries. Cloudy, windy and cold!

Summary of Outcomes

Resulting from the WRC-07 agenda items, we will now have a world wide LF secondary allocation for amateurs at 135.7 – 137.8 kHz. Our requests for secondary access at 5 MHz, and the final stage of world wide expansion in Regions 1 and 3 at 7.2 – 7.3 MHz were not successful. They were blocked by a “No change” decision for 4 – 10 MHz that stopped any expansion of HF broadcasting. In the long term this may turn out to be positive for amateur radio.

At the next WRC-11 we have achieved an agenda item to consider a secondary allocation around 500 kHz, against stiff opposition from some groups. Region 1 failed to get their request for an allocation at 50 – 54 MHz, or for access to a secondary allocation at 5 MHz. Another new agenda item to consider new bands from 275 – 3000 GHz is also of interest to us. An Arab group proposal to consider the use of 430 – 440 MHz for “mobile” services in Region 1 was successfully blocked from getting onto the final agenda. The constant pressure for future mobile spectrum also seems to have been retreated from considering our UHF bands.

Conference Week 4 – Working Groups and Plenary Meetings

Working Groups wrapped up their work early in the week, with late nights to conclude all the detailed drafting work. Time had to be allowed for subsequent work by the editorial teams, translation into six languages followed by three “readings” at Plenary meetings. Some agenda items proved almost impossible to get consensus on.

Most of my time was spent on the future agenda items for the next WRC-11 and watching over the progress of Agenda Item (AI) 1.15 (our LF allocation).

Lunch time APT (Asia-Pacific Telecommunity) coordination meetings continued. The draft and temporary documents created earlier were reviewed and completed and became “contribution” documents to the conference – now numbering well over 400.

Amateur Issues

As reported previously, the outcomes from Agenda Item (AI) 1.13 (Review of HF Allocations 4 – 10 MHz) were not positive in the short term for us.

A rear guard fight to salvage the request for secondary access to 5 MHz for amateurs was carried out by Europe/CEPT based on their original proposal, but their position was not strong. Opposition continued from almost all the others in the Arab group, Russia, APT, parts of the Americas and African groups. This was a part of their original “No Change” stance to deny any HF Broadcasting expansion. This also blocked our request for the final expansion of 7.2 – 7.3 MHz as a world wide amateur primary allocation.

In the short term we did not achieve our HF goals. However, some opportunities may arise at a future conference to resurrect these issues, disassociated from HFBC expansion. It seems likely that given more time, various other methods of delivery for broadcasting will grow (more Internet, satellite, local AM and FM stations etc.). One Resolution adopted urges the HF broadcasters to make the transition to digital transmission using the DRM standards and technology. These options should reduce their demand for HF spectrum.

The good news is that AI 1.15 (the LF secondary allocation to amateurs at 135.7 – 137.8 kHz) has made steady progress and is now through the process, ready for final approval. Some “Arab Group” countries opposing any amateur allocation (i.e. “No Change”) have signed up to a Footnote that allows them to opt out of giving LF access to their amateurs. They ceased to oppose the proposal. This will come into force on the signing of the Acts today – but will need to be implemented formally by each administration as they see fit.

Efforts this week focused on parts of AI 7.2 – the “Future Agenda” items for the next WRC in about 2011; a part of the work the COM 6 group. This proved to be even harder work than anticipated, with more late night meetings and more individual discussions with dissenting and supportive administrations. As

reported previously; NZ, the APT and the CEPT/Europe have promoted a new “500 kHz band” of up to 15 kHz for amateurs. This was looking safe late on Friday night last week, and was on the list in the Draft Agenda. By Monday morning we found that a small drafting group on Sunday had left it (and about 6 other items) off the list presented for COM 6 approval. We then spent about five hours on Monday night getting most of the items restored with hard discussions and some compromises to accept a secondary allocation.

Dave Kershaw from the MED as our Head of Delegation was a key to this. Our deep thanks are due to Dave for his skills and persistence. He achieved every goal that NZ had over the wider range of future agenda items that NZ wanted.

Europe lost their bid for a harmonised 6 metre band (50 – 54 MHz) in Region 1 – not enough support for this late entry and the Russian states continued to object. However, many countries already have interim access. The request from Cuba to consider an allocation of up to 150 kHz for the amateur service on a secondary basis in the frequency band 5 250 – 5 450 kHz was also lost as the polarised positions on this issue generated in AI 1.13 of WRC-07 carried over.

The threat from the Arab states for an agenda item for WRC-11 to consider primary allocations for “mobile services” in the band 430 – 440 MHz in Region 1 was blocked, and their request remained deleted from the list of future AIs. This is extremely good news for our 70 cm band and our amateur satellites.

Another new agenda item adopted for WRC-11 concerns “new” bands in from 275 – 3000 GHz. This has been mooted before and the IARU have already identified some small blocks of spectrum. At these frequencies the range is very short, but still of interest to us.

A close watch is being kept over any attempts to make last minute changes or objections.

The tense debate in AI 1.4 continued, concerned with more spectrum for next generation cellular systems. This has turned out to be the most difficult and contentious item of the conference. The WG could not agree, and passed two major problems up to the Plenary to resolve. This resulted in meetings that ran until 4 am Wednesday morning and 6 am Thursday morning – the Plenaries resuming on both days at 9 am. Arguments continued again on Thursday afternoon, and the Plenary closed 5 hours late. The amateur UHF bands now seem to have now receded from their lists of possible cellular spectrum.

Another new agenda item for WRC-11 is the revision of “Appendix 17” for the maritime mobile service to allow for a transition to digital technology. This is positive for NZ and the Pacific Islands that depend on shipping.

The final Plenary is now at 4.30 pm today (Friday), with a signing and closing ceremony at 5 pm. Mercifully, these are now only formalities.

General

I have not had time to check for any final IARU news bulletin.

73

Peter Lake, ZL2AZ

The Last Bit

Phew, another one “put to bed”. It already seems such a long time since Christmas and it's only the 15th of January – I hope the rest of the year is a bit slower. I was at Jamboree with Nathan ZL2ND and about 44 others from Hastings. There was another Hastings Scout Troop and one from Napier so Hawkes Bay was well represented. We didn't have much time for Ham Radio while there but did pop in and see the guys running the radio segment. They were really well set up and our Scouts were raving about them. There was also a news report that put the Amateur Radio site as the most favoured site there – and there was really stiff competition. I take my hat off to them.

Well I am already training for the Kaweka Marathon trying to get fit enough to lug the gear into Macintosh hut across the 3 wire bridge. That big hole seems to get bigger every year! Till next time...

John ZL2VAF

NOTICES

AGM & HOMEBREW AWARD (Br 13)

Bring entries, or photos of those that
won't fit through the door, to the next
Branch 13 meeting

23 January 2008



Jock White Field Day
23rd & 24th February 2008



Kaweka Mountain Marathon
23rd & 24th February 2008



HB Car Club Rally Hawkes Bay
26th & 27th July 2008



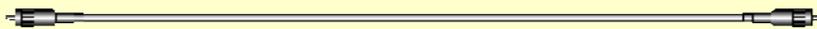
NZART "Wine Country Conference"
Hawkes Bay 2009

Please feel free to sent notices to john.newson@xtra.co.nz

Buy – Sell - Etc

FOR BORROWING

I have for borrowing, courtesy of Peter Le Quesne ZL4TCC, a DVD on WW2 Secret Radio, phone David ZL2DW 8760518 .



WANTED to borrow or get a copy of

Break In, Sept/Oct 2002, phone Alex Sutton ZL2MYT 8700086