



Hastings Br
13
Club Calls
ZL2AS
ZL2QS

Napier Br 25
Club Call
ZL2GT

IRLP
Node
6793
147.250

**Branch
Nets**
9.00 AM
Sunday
Morning
3615 Hz
147.250
MHz

Editor
John Newson
ZL2VAF



Transmitting Room Rangitaiki Marine HF transmitting Station

XMAS TEA

Napier RSA, Fri 26 Nov, drinks at 6-30pm, tea (smorgasbord) at 7pm,
\$27 per head (discount for members or affiliated members).
Bookings to David Race ZL2BCE, ph 8435065 or racehouse@ihug.co.nz

<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 and ZL2QS		

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

Hastings Branch 13 - PRESIDENTS PORTION

Hi all.

This months meeting will be followed by our AGM. Please note that this will involve reports from the club's officers, election of officers for 2011 and setting of subs for 2011. This will then be followed by the home brew award. Please bring along anything you have constructed this year. This months meeting will also include the submission of several remits to NZART.

At the last meeting I am pleased to say I have been nominated for election to NZART council. If you are a member please vote. If you are not a member maybe its a good time to join so you can vote, and support the hobby.

This Friday is the Christmas dinner at the Napier RSA. Please see elsewhere in the mag for details. Bookings with David ZL2BCE.

In less than 2 weeks is the VHF Field Day. If you can please come up on the air hourly between 1700 and 2300 on Saturday the 4th and 0700-1300 Sunday the 6th on the following frequencies.

6m

50.110-50.200 or 52.050 USB
52.525 FM

2m

144.200 USB
144.500 FM

70cm

432.200 USB
432.500 FM

23cm

1296.500 FM

Please listen out for ZL2AS and ZM2M. ZL2KO will also be looking for contacts. You may hear some DX on 6m if the conditions are right. So turn the rigs at home onto simplex and give out some valuable points. The boys on the hilltops are keen to work you. I will be under the guise of ZM2M thanks to the east coast testers for allowing me the use of their call. While I am not sure which hill I will be on, I will be on a hill looking to work many locals.

The Rangatikei Visit was a brilliant weekend with many hams attending from as far away as Hamilton and Wellington, and many from Hawkes Bay. I think it was awe inspiring to see the scale of the transmitting stations. I will enquire if they will leave a coax out the door for the next contest maybe??? Photos from the weekend have been placed on the ZL2AS yahoo reflector group web. If you are not a reflector member now is a good time to subscribe. go to

<http://groups.yahoo.com/group/zl2as/> and click join.

The NZARD is coming up soon. Hastings will be active from the clock tower. Please get in touch with me or David ZL2DW if you wish to help out. Contact Stan ZL2ST if you wish to set up or help out in Napier. 15th of January 1000-1200.

That's all for this month. There will not be a magazine in December so that's also it for the year. Enjoy your Christmas, and be safe out there.

Warren ZL2AJ

NAPIER BRANCH 25

President: Laurie Winton ZL2TC 843 8519 email laurie@wilcom.co.nz
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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*

NAPIER NEWS...

The next Napier meeting will be on Wednesday 1 December at the clubrooms at 7.30 pm. Warren ZL2AJ will do a presentation on the Auckland VHF Group's Klondyke repeater station on the Bombay Hills. This will be the last meeting for 2010 and the next meeting will be on February 2 2011.

At the last meeting the Pan Pac Trophy was won by Gary ZL2GAZ for his mockup of a feed for his TV dish. Well done Gary. At the AGM Laurie reported on the club's activities for the year including regular technical presentations and the kitset. The club's finances are satisfactory this year as a result of several donations. The election of officers resulted in no changes.

We are hoping to visit the new AM transmitting site at Whakatu in February with Hastings Branch. More details later. Unfortunately I missed the trip to Rangitaiki as I was away but all reports indicate that it was very interesting. No doubt there will be a report elsewhere in Break Out.

The clubrooms shack has been given a cleanout to ready it for a better operating position to allow more access and more rigs to be set up.

Hilton ZL2MN passed away this month. Hilton was the only surviving original member from when the Napier Branch was formed in 1946. Prior to that combined Napier/Hastings meetings alternated between the cities. Hilton sat and passed the first exam after the war in 1946 when he was 15. He was a good supporter of the club over many years and was AREC Section Leader for a long period. Hilton contracted asbestosis while working for Industrial Gases as a toolmaker in the 1950s/60s era and it started affecting his health about a year ago. We will also miss Denys and Robin who passed away this month.

Over the last weekend of October the ZM4T group took part in the CQ Worldwide SSB contest from Tangoio gaining 4600 QSOs and 6 million points as a multi-two (2 rigs and multi operators) entry. This is the best score that the team has had. Well done guys.

A large group of German hams are at present operating a DXpedition from the Kermadec Islands as ZL8X through to early December. The islands are not activated very frequently and now is a good time to get this DXCC entity into your log. It's early days yet and they have been mainly on CW but are doing SSB and digital modes too. I made QSOs on 10, 12 and 15 metres on their second day on air. That signals can be heard calling from all round (States, South America, Asia, Europe) when there is some activity like a DXpedition or contest on shows that the high bands (10m, 12m and to some degree 15m) are open more than is realized.

Subs of \$25 are now due and can be paid to Treasurer Stan ZL2ST or directly into our account at an ANZ bank. Our ANZ account is 116400 0014548 11 'Napier Amateur Radio Club Inc'. and the branch is Napier. A reference of your callsign is required on the deposit.

Season's Greetings to all.

Stan ZL2ST

Internet Connected Amateur Radio

Members may recall that the ALO asked in Infoline 210 for input to a paper he was putting together, at Radio Spectrum Management's request, on the topic of Internet Connected Amateur Radio.

RSM have now completed their review of this topic and have concluded that no changes are required to the current Amateur General User Radio Licence conditions to accommodate Internet-connected amateur radio modes such as APRS, IRLP, D-Link, etc. provided:

- the transmissions are taking place from an Amateur operator's property; and
- frequency coordination with non-amateur services is not required.

Normal repeater licensing procedures will continue to apply to those circumstances where frequency coordination is required and/or the internet-connected device is located at a site belonging to a non-amateur third party such as Kordia, Telecom, etc.

Also, in operating Internet-connected systems, Amateurs need to be aware of the provisions of section 5.3 of the Amateur General User Licence (GURL), as well as Regulation 25.2 of the International Radio Regulations:

"Transmission between amateur stations of different countries shall be limited to communications incidental to the purposes of the amateur service, as defined in 1.56 and to remarks of a personal character."



What does 'CW' really mean?

*From **Jim Wades, WB8SIW** came the following information regarding the origins of the term "continuous wave." Here is his abridged version.*

The first radio transmitters generated RF by discharging a high voltage spark across an L-C resonant circuit, which was coupled to the antenna. Each spark discharge across the gap would "ring" the L-C tuned circuit, which would then oscillate at its resonant frequency with decreasing amplitude until the decay was such that oscillation ceased. This created a "damped" oscillation analogous to ringing a bell or plucking a guitar string.

The biggest problems with spark transmitters were occupied bandwidth, resulting in relatively poor efficiency, and the fact that they could not be modulated. This problem was solved through a number of approaches, which produced "undamped oscillations," also called "continuous waves." The earliest methods of producing an undamped oscillation were the arc transmitter and the radio frequency alternator. Both were usable only at very low frequencies, and both produced RF directly at high power levels, which were difficult to modulate. However, such systems remained in service well into the mid 1940s, and one Alexanderson long-wave alternator remains intact and operational in Sweden as a museum piece.

With the development of stable, good quality vacuum tubes in the 'teens, it became possible to develop a "modern" RF oscillator. Better yet, a RF oscillator could operate at low levels and be buffered and amplified in stages to produce reasonably high power levels. Furthermore, such vacuum tube oscillators could be conveniently modulated. Therefore, immediately after World War One and through the 1920s, we begin to see a variety of applications arise centered around voice communications including radio broadcasting, police radio, and point-to-point SSB circuits for international telephone service.

The term "continuous wave" during this early period emerged as a tool to differentiate a modern radiotelegraph transmitter generating undamped oscillations from its antecedent, the older spark transmitter producing damped oscillations. Over time, as the spark technology receded into the past, the term "CW" became somewhat idiomatic; a term used by radio operators and engineers in reference to all radiotelegraph communications.

In reality, all modern communications systems use "CW," from your ham radio CW equipment to the latest cellular telephone or wireless router! I hope that explains things! - 73, WB8SIW

Pictures From The Rangitaiki Marine HF transmitting Stn Visit 13/11/10



Rangitaiki
Marine HF
transmitting Stn
13/11/10, wide
band dipole

HF
transmitting
room





Peter Maindonald
ZL1UEJ (middle
of pix) (Kordia
tech.) talking to
amateur visitors
to the Rangitaiki
Radio NZ
International
transmitting site
on 13 Nov 2010

Thieves Jam Key-Fob Lock Signals in Mystery Car Thefts

What are the odds that they are illegally using a 70cm hand-held tuned to 433.92 MHz to overload the poor front ends used on the 433.92 MHz ISM band for key-fob receiver? *(Comment by ZL2WRW who submitted article)*

from:

http://www.theregister.co.uk/2010/09/21/car_jammer_vehicle_theft_scam/

Tech-savvy bloggers lift swag leaving windows intact

By [John Leyden](#) • [Get more from this author](#)

Posted in [Crime](#), 21st September 2010 10:05 GMT

Surrey police are exploring the theory that a gang of car thieves are jamming central locking systems to make it easier to steal goods from cars.

The theory arose after one a witness reported that a man used an electronic device to prevent doors from locking when he parked his Lexus at a local Sainsbury's. Apparently the suspect was lurking in the car park and wearing unusual warm clothes for the season, something that made him stand out like a sore thumb, according to police. The motorist discovered that his car lock would not engage whereupon the suspect walked off seconds before the lock mysteriously started working again.

Inspector Richard Haycock told local newspapers that the possible use of the car lock jammers would help explain a recent spate of thefts from vehicles that have occurred without leaving any signs of forced entry.

"We do get quite a lot of car crime in the borough where there's no sign of a break-in and items have been taken from an owner's car," Inspector Haycock said. "It's difficult to get in to a modern car without causing damage and we get a reasonable amount of people who do not report any.

"It is a possibility that central locking jamming is being used," he added. Devices that block the frequency used by a car owner's key fob might be used to thwart an owner's attempts to lock a car, leaving it open for waiting thieves. A quick search of the internet shows that devices offering to jam car locks are easily available for around \$100. Effectiveness at up to 100m is claimed.

Crime stats published in August record 227 incidents of vehicle crime in Elmbridge area of Surrey over the previous three months. Police are planning to increase surveillance in a bid to reduce car crime and, with luck, identify the light-fingered car jammer fiends.

NOTICES

Xmas Tea

Friday 26th November



UHF/VHF Field Day

4th & 5th December 2010



New Zealand Amateur Radio Day

1000-1200 hours

Saturday 15th January 2011

Buy – Sell - Etc

FOR SALE

(ex estate, offers required) Contact David Walker (ZL2DW 8760518)

- Engineered and certified 30ft crank over pipe mast, with electric winch, Yaesu G-800SA rotator, triband beam and coax.
 - GME PSA1210 11 amp (peak) 12v power supply
 - Ten Tec Argosy 525 HF transceiver
 - "Padman Mk2" SPC ATU
 - brass morse key
 - Dick Smith Digital Multimeter, type Q-146
 - Daiwa SWR meter (and 200/2000w power meter) 1.8 - 60mhz, type CN520
 - Palomar Engineering RX Noise Bridge
 - Kantronic All mode modem
 - Icom 22S 2m transceiver
- (manuals for most of the above).



FOR SALE

Yaesu FT-840, had little use, \$700.00

Heathkit-Daystrom (UK) 5 inch oscilloscope \$20.00

Vintage receiver AWA AR8D and PSU, not going \$25.00

Laurie ZL2TC ph 0274 984 439

*Please feel free to send notices to
john@thecomputerman.co.nz*