

BREAKOUT

The Newsletter of the Hastings and
Napier Amateur Radio Clubs

Hastings Branch 13 NZART – Napier Branch 25 NZART

Volume 8, Issue 10, October 2010



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



*The Weekend Training Course trainees and trainers the new hams are
John French (Napier) ZL2ADK, Rowena Johnstone (Wellington) ZL2ROW
Anne Stell (Napier) ZL2CDX, Michael Tolili (Gisborne) ZL2CEP, Bill Lamb (Napier) ZL2AWL*



Join the KIWI DX Group
Talk to ZL2AL for Details

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

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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.

I hope everyone has enjoyed an extended weekend. With the calm weather it was a good opportunity to sort some antennas out for this weekend - the CQWW SSB Contest from 1pm Saturday to 1pm Monday local time. The HF Bands will be full from stations from around the world. Turn your rig on and see if you can work some of them. They will want a signal report and your CQ Zone (New Zealand is 32) from you. (eg. 5932).

VHF UHF field day is looming upon us - for the 4th and 5th of December. Are you going to be active? Home Stations are encouraged to give out contacts.

New Zealand Amateur Radio Day - on the 15th of January from 1000-1200. HBARC is establishing an NZARD station from the clock tower in the centre of Hastings. We hope to work a few other stations around the country as well as meet and greet public and maybe encourage one or two to enter the hobby.

Don't forget the Christmas tea and the Rangitaiki expedition coming up (see elsewhere in the magazine).

Although we haven't a specific activity planned for after this meeting on Wednesday, there is a lot of business to get through so it should be an interesting meeting. I look forward to seeing many of you there.

Regards,
Warren ZL2AJ



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

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*

NAPIER NEWS...

The next Napier meeting will be on Wednesday 3 November at the clubrooms at 7.30 pm. It is the AGM to be followed by the Pan Pac Trophy home constructors contest so bring all of your homebrew items along for this event. The AGM agenda includes annual reports and election of officers. There is some surplus equipment left from the last meeting which is for sale for a gold coin donation or a little more for the built up items.

The sticky bun evening went well with the quiz being won by Warren ZL2AJ. Other awards went to Rob and Sue. There were some good equipment buys at the meeting.

Bert Dagg ZL2BCL of Napier passed away this month. Bert had been an active ham back in the 70s and was perhaps better known for his musical entertainment with the Dixielanders who performed jazz at public and private functions.

There are still a few of the digi kits available for \$35. If you are interested contact Lee ZL2AL on 844 1226.

The ZM4T group took part in the Oceania SSB and CW contests gaining new records with 1500 QSOs and 3.3 million points as a multi-two station (2 rigs and multi operators) in the SSB event and 1400 QSOs and 3.9 M points (more prefix multipliers than the SSB) in the CW weekend as a multi-one (one rig-multi operators). While conditions weren't great we managed some QSOs on CW on 10 metres and the new antennae worked well. The next event is the CQ worldwide SSB contest on the last weekend of October – 1 pm on Saturday 30th to 1 pm on Monday 1st November. Give it a go and give out some numbers report and zone 32. Have a look at our website www.zm2m.com

The PJs are causing a stir at present. You have probably heard that there has been some recent changes to the DXCC countries list. As a result of the Netherlands granting independence to the Netherlands Antilles in the Caribbean on 10/10/10, the two island groups – Windward and Leeward island groups have been deleted as entities and four new entities have been created. These are PJ2 Curacao, PJ4 Bonaire, PJ5 St Eustatius/PJ6 Saba, PJ7 Sint Maarten. The callsign prefixes are unchanged. Groups of operators from several countries including USA, Netherlands etc have been active from all of the islands before and after 10/10/10 to make the old (prior to deletion) and new entities available. A number of ZLs have worked the 4 or 3 of the 4 on CW and some phone but most of the signals have been weak. An exception has been PJ2T on 80 metres with 40 over 9 signals around their sunrise - about 11 pm. See their website for views of their antennae - <http://www.pj2t.org/ccc/default.htm>

Stan ZL2ST

Do Cell Phones Cause Cancer?

Bernard Leikind

(Submitted on 13 Jul 2010)

Do cell phones, household electrical power wiring or appliance, or high voltage power lines cause cancer? Fuggedaboutit! No way! When pigs fly! When I'm the Pope! Don't text while you're driving, however, or eat your cell phone.

All organisms absorb microwave radiation directly as thermal energy. In living organisms, the organisms' thermal control systems, including the blood flow, and various cooling mechanisms, such as sweating in humans, that work to maintain a stable body temperature rapidly transfer the absorbed energy to the environment. Any temperature rise is small or even unobserved. Any proposed mechanism by which cell phone radiation might cause cancer must begin with this fact. But the amount of radiation absorbed from a cell phone is less than that produced by normal metabolic processes, and much less than that produced by, for example, exercise. None of these normal metabolic processes cause cancer. Therefore, the much smaller amounts of energy from cell phones doesn't cause cancer either. All forms of electromagnetic energy that are known carcinogens are ionizing; ultraviolet, X-rays, and gamma rays. Microwave radiation cannot ionize any physiological molecule. In fact, microwave radiation cannot directly break or modify any chemical bond, covalent or weak. Therefore, microwaves cannot initiate any process leading to cancer, unless it does so through thermal mechanisms. All chemical bonds that act in physiological processes must operate correctly in the thermal environment of the cells at body temperature. All of them have bond energy that is greater than that arising from the thermal jostling, vibrating, and rotating of the cytoplasm. Energy added by microwave radiation is more than a thousand times weaker than that present in the normal thermal jiggling. Since the normal thermal environment does not cause cancer, neither does any absorbed microwave radiation.

Comments:

10 pages. Two papers with the same title, but different material. The first published in Skeptic, Vol. 15, No. 4, 2010. The second published on line: see [this http URL](#) for the second article and readers' comments and my replies

Subjects:

Popular Physics (physics.pop-ph); Biological Physics (physics.bio-ph)

Journal reference:

Skeptic magazine, Vol. 15, No. 4, 2010

Cite as:

[arXiv:1007.4192v1](#) [physics.pop-ph]

- Submission history

From: Bernard Leikind [[view email](#)]

[v1] Tue, 13 Jul 2010 04:00:49 GMT (478kb)

<http://www.cosmology.info/newsletter/2010.08.pdf>



RANGITAIKI GATHERING with TAUPO/ROTORUA (and HF stations look around)

Peter Maindonald (from Rotorua) has agreed to show us around the RNZ Tx site and the Marine HF Tx site, both in Matea Rd, off Highway 5, Rangitaiki.

Meet just on Matea Rd near the Highway 5 corner at 9-30am Sat 13 Nov 2010. After a look around at both sites we are booked in for lunch at the Rangitaiki Tavern (it is just a few kilometres north of Matea Rd, on Highway 5) (NOT the one opposite Lochinver Station).

Convoy traffic will be on ' 725 repeater.

Could those planning on coming please give me the numbers expected to attend the Tavern as I need to tell the Tavern Host the numbers for the lunch. Please send me an email or a phone call hm 8760518, wk 8765014 c/ph 0274 502501).

Thank you, David Walker (ZL2DW)



Comparing A Lithium Iron Battery To A Lithium Ion Battery

<http://www.suite101.com/content/comparing-a-lithium-iron-battery-to-a-lithium-ion-battery-a297572>

The link on the Microwaves & RF magazine's website that you put in last month's Breakout caused a stir in the USA, Microwaves & RF put out an apology. See the link below.

<http://mwrf.com/Articles/Index.cfm?Ad=1&ArticleID=23043>

INSURANCE CLAIM EXPLANATION RELATING TO AN ACCIDENT ON A HAM RADIO ANTENNA TOWER

I am writing in response to your request for additional information for Block 3 of the Accident Report Form (ARF) I submitted to you on April 1, 1997. I put "poor planning" as the cause for the accident. You said in your letter that I should explain more fully. I trust the following detail will be sufficient.

I am an Amateur Radio operator and on the day of the accident, I was working alone on the top section of my new 80 foot tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now unneeded tools and material down by hand, I decided to lower the items down in a small barrel by using a pulley, which was fortunately attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went back to the top of the tower and loaded the tools and material into the barrel. Then I went back to the ground and untied the rope, holding it tightly to ensure a slow decent of the 300 pounds of tools.

You will note in Block 11 of the Accident Report Form that I weigh only 155 pounds. Due to my suprise of being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope.

Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley. Fortunately, by this time I had regained my presence of mind and in spite of my pain, I was able to hold on to the rope. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed approximately 20 pounds. I refer you again to my weight, shown in Block 11 of my submission.

As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming up. This accounts for the two fractured ankles, and the lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pile of tools and, fortunately, only 3 vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools, in pain, unable to stand and watching the empty barrel 80 feet above me, I again lost my presence of mind and let go of the rope

73

John. ZL1BHQ

Hams Still Get Their Hands Dirty -

*Napier Club
Antenna Analyser Project 2009*



Digimode Project 2009



A couple of pix of the Palm Nth Br 20 Table Sale day on 2/10/10



NOTICES

CQWW - the worlds largest radio competition

30th & 31st October



Rangitaiki Gathering

9-30am Sat 13th Nov 2010



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

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