

# Christchurch West Amateur Radio Club Inc.



## Official Newsletter

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Table 20.1

### The Electromagnetic Spectrum

Radiation	Frequency	Wavelength
X-ray	$3 \times 10^5$ THz and higher	10 Å and shorter
Ultraviolet	800 THz - $3 \times 10^5$ THz	4000 - 10 Å
Visible light	400 THz - 800 THz	8000 - 4000 Å
Infrared	300 GHz - 400 THz	1 mm - 0.0008 mm
Radio	10 kHz - 300 GHz	30,000 km - 1 mm

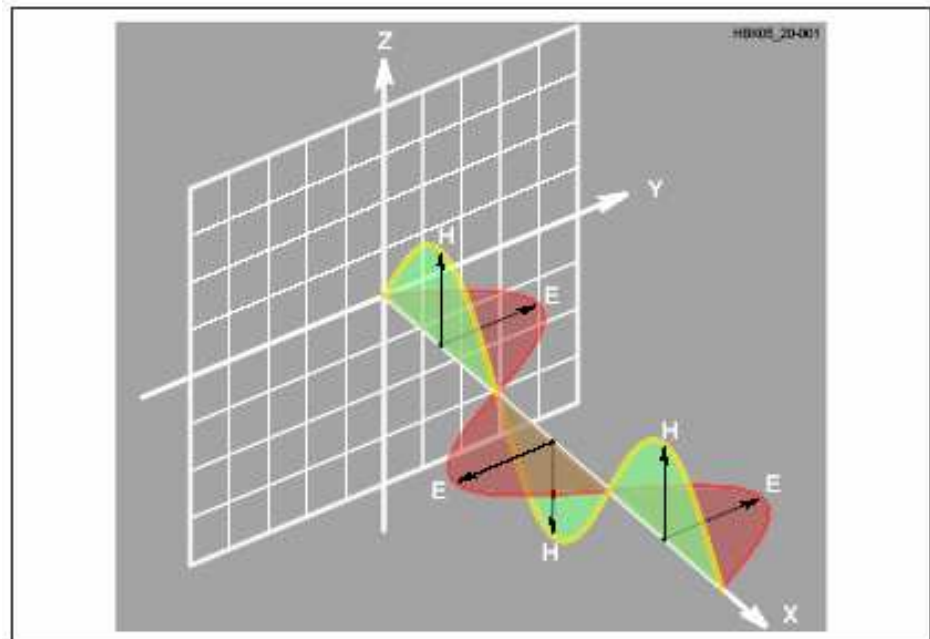


Fig 20.1—Electric and magnetic field components of the electromagnetic wave. The polarization of a radio wave is the same direction as the plane of its electric field.

**What's on at the next meeting?"**

**A presentation by Dave Brown ZL3FJ on LF operation.  
(Originally scheduled for the August meeting)**

*Visitors and guests most welcome*

**28<sup>th</sup> September 2010**

Visit the Br 56 web page; <[www.radioamateurs.org.nz](http://www.radioamateurs.org.nz)>

**West Amateur Radio Club Inc.**

**NZART Branch 56**

**Clubrooms; Auburn Park, Upper Riccarton,**

**P O Box 31 095, Ilam, Christchurch 8444.**

**Br 56 web page; <www.radioamateurs.org.nz**

<b><i>Branch Officers</i></b>			
<i>President</i>	Keith Stanton	ZL3QH	358 4108
<i>Vice-President</i>	Maurice McNab	ZL3MEM	327 3710
<i>Immediate Past Pres</i>	Baden Melhuish	ZL3VI	384 1584
<i>Secretary*</i>	Doug Pratt	ZL2BCF	322 9961
<i>Treasurer</i>	Peter Tyerman	ZL3IA	332 4885
<i>Committee</i>	Brent Officer	ZL3TUI	385 2742
	Denis Coulter	ZL3DEN	342 9013
	Mark Carshalton	ZL3BA	322 4518
	Ken Duffey	ZL4KD	351 8115
	John Walker	ZL3IB	348 9084
<i>Trustees</i>	Doug Pratt	ZL2BCF	322 9961
	Baden Melhuish	ZL3VI	384 1584
<i>Auditor</i>	Marinel McNab		327 3710
<b><i>Branch Officials</i></b>			
<i>Archivist</i>	Position vacant		
<i>EMC Officer</i>	Position vacant		
<i>Free n'Easy Coordinator</i>	Position vacant		
<i>Librarian</i>	Ron Rowlands	ZL3AIV	348 2747
<i>Morse Admin</i>	Des Borgfeldt	ZL3ACS	980 9705
<i>Newsletter editor #</i>	John Walker	ZL3IB	348 9084
<i>QSL cards</i>	Keith Stanton	ZL3QH	358 4108
<i>ZL3VV Station Mgr</i>	Maurice McNab	ZL3MEM	327 3710
<i>850 Repeater Mgr</i>	Doug Pratt	ZL2BCF	358 5004

**\*Please note change of Secretarial email address;** <zl2bcf@nzart.org.nz>  
# *Newsletter editor* <john.zl3ib@ihug.co.nz>

**Annual subscription for 2010 is due NOW;**

Individual \$40.00, Family \$45.00, Junior \$20.00

*Treasurer's home address; 37A Penrith Ave, Chch 8024.*

Subs can be direct credited to our Westpac Account No. 030802 0590356 00

NB. Please ensure your name is against the bank payment.

If cheques are made "non transferable" or "account payee only" please ensure they are made out to "**Christchurch West Amateur Radio Club Inc.**"

The banks will not accept other names (e.g. Branch 56). Thank you

## General Meeting of the Christchurch West Amateur Radio Club

Tuesday 24<sup>th</sup> August 2010

**Present:** Maurice ZL3MEM (Chairman), John ZL3IB (Acting-Secretary), 20 members and guests.

**Visitors:**

**Apologies:** Keith ZL3Qh, Doug ZL2BCF, Bruce ZL3TFM.

**Minutes:** Confirmation of minutes of July 2010 meeting. Maurice.

**Matters arising:** Public Liability Insurance; NZART HQ advised that we are not covered by their policies.

**Correspondence;** Inward; Copy of “*Keeping On*’ (Age Concern) containing ZL3 Buildathon article..

Outward; nil

**Financial:** 53 financial members; 3 unfinancial. 4150 Power, \$126 CC C rent, \$47 QTC5printing.

**Free and Easy report:** Baden ZL3VI reported 19 people attended on meeting Wed 11<sup>th</sup> Aug. General chat plus DVD of “DXpedition to Midway Is” courtesy ZL3HAM.

**Classes Report:** Classes continue via email.

**General Business:**

1. Window shutters. Dennis ZL3DEN advised received quote of \$3399 for supply of galvanized steel shutters and fittings. These to be installed by Branch members.
2. Motion “ That the Branch apply to Chch Council for a Community Funding Grant to allow purchase of these security shutters.” Moved John ZL3IB, seconded Mark ZL3BA. Passed unanimously.
3. Maurice ZL3MEM reported that the Club’s QRZ.com entry has been updated.
4. NZART Councilor Ann ZL3TNT gave an update of recent Council activities.

*The formal part of the meeting closed at 2000.*

**Program**

Denis Coulter ZL3DEN gave a most interesting talk on Ballistics as related to the properties of small arms ammunition, it’s properties and reloading.

**What’s on at the next meeting ?**

**A presentation by Dave Brown ZL3FJ on LF operation.**

**This talk was originally scheduled for the August meeting.**

### **From the pen of your President**

I am happy to report to members that our club rooms and equipment appears to have come through the earthquake OK. How did your QTH and shack fare? Let's spend some time at our next meeting reflecting on the happening. So many people in the community have suffered great losses and we feel for them at this time. Is there anything we as hams can do to help?

It's great to see the ZL3 BUILDATHON's continuing. David you are doing a great job and we as a club would like to continue to support him and his efforts to promote radio construction to the young and old alike.

Don't miss our next meeting on 28<sup>th</sup> August. Dave Brown ZL3FJ is talking to us about 'Aspects of low frequency operation' This should be a very interesting topic

How has your operating being going lately? Have you recently had any good DX or other interesting on air contacts? Do come along to our next meeting and share these with us or maybe share your latest construction project.

Don't forget our club operates a station at our club rooms every Tuesday night from 6.30pm come and join in, have fun and in doing so get some operational experience

As I write this the earth continues to roll and rumble – gee that was a big one -exciting times?

73

Keith ZL3QH

### **Free n'Easy**

August saw a great restart to the "Free n' Easy". It was a nice fine day, a good turnout, and a very good DVD was shown. Our thanks go to Tony Buckland for the DVD.

Now onto Sept 8th. NZ Connection to Bletchley Park Uncovered; talk by David W Searle ZL3DWS Over 1500 UK amateur radio operators worked secretly as Voluntary Interceptors (VI's) during WW2 detecting spy and German military intelligence networks. In 1979 a BBC documentary told their story for the first time. A copy of that film has been found and exciting details of a NZ connection uncovered. Come along on September 8th (bring a friend or two) and be inspired but what hams can achieve with simple equipment and relentless determination.

73 Baden Melhuish ZL3VV, phone 384 1584

## **ZL3 Buildathon 29<sup>th</sup> September 2010 6:30pm**

The next ZL3 Radio Buildathon will be held on Wednesday 29<sup>th</sup> September, with an evening start time of 6:30pm until 8:00pm followed by supper and tidy away.

We'd value your help to mentor this group of 15 enthusiastic builders. Please mark this date in your diary now and let David know that you'll be there. It should be a great night!

David Searle ZL3DWS <ZL3DWS@nzart.org.nz> 03 358 2424, 021 039 1764,  
<<https://sites.google.com/site/zl3buildathon/>>

### **HAMADS**

**For Sale** Yaesu Transceiver 901 DE with Yaesu speaker, user's & workshop manual, Desk & hand mike. Osker Block SWR meter, Mosley vertical antenna, Icom IC W32E handheld with all extras. All reasonable offers considered; ZL3ACS Phone 349 9705.

**For Sale.** Daiwa RS-40X Regulated DC Power Supply in near new condition and in original packaging. No Scratches. Input Voltage 115/230V AC, Output Voltage 1 – 15V DC variable voltage fluctuation less than 1% (32A), ripple voltage less than 3 mV (32A), protection circuit when 42 A fuse AC 115V/230V 10A / 5A power consumption max 800W (40A). Dimensions 280mm(w) x 140mm (h) x 205mm (d), wt 9.7kg. Originally purchased for driving Yaesu FT897D transceiver at holiday home and used very occasionally over last 4 years. Wouldn't be for sale if our holiday home was not sold; near new condition. A great product at a reasonable price of only \$300.00. Contact ZL3QH Keith on 021 658 899 or 03 3584 108 or toll free on Skype via your phone 03 669 0600

**Wanted.** Metal Cabinets: seeking a number of metal boxes or cabinets (with chassis) suitable for housing modern short wave radio receivers and 1960's style 2-3 valve TRF radios and power supplies. Anything considered or can you suggest a source to purchase locally or further afield. David Searle <ZL3DWS@nzart.org.nz> 03 358 2424

HAMADS in QTC56 are a free service to members.

Send to John ZL3IB at <[john.zl3ib@ihug.co.nz](mailto:john.zl3ib@ihug.co.nz)>.

## New Zealand Amateur Radio Day

**Purpose;** The purpose of the New Zealand Amateur Radio Day is to promote our hobby to the public so that some may be encouraged to join the local club, take on classes and become amateur radio operators.

**Time;** From 1000-1200 hr local time, annually on the 3rd Saturday of January

**Location** Any prominent and public location where there is plenty of public foot traffic. The location will most likely require local council (or other landowner) approval. Make sure this is sought and obtained in plenty of time as councils often have minimum notification times.

**Logs** You are required to keep a log of all stations worked during the 2 hours. Logs must include the call-sign of the station worked, time, frequency, and any other information you may like to include.

**Call-sign** Use of club call-signs is encouraged, however individuals may also set up a station using his or her own call-sign.

**Prior publicity** For this exercise to be a success prior publicity is essential. Make every effort to publicise the event through local club magazines, local newspapers and other media outlets as much as possible.

**Publicity on the day** As the aim of this exercise is to promote our hobby to the public, have material to hand out on the day. A liaison person or persons should be nominated for this task. People with good communication skills are recommended to take on this role. This person should have a thorough understanding of the systems and modes being used on the day as they will be inundated with questions. Cards, pamphlets and other such giveaways, with club representative contact details are a must. Get copies of the latest amateur radio promotional brochure from Debby at NZART HQ. If you have a class coming up make sure the details are included on any handout material. Take down details of people who express an interest in the hobby and follow them up.

**Contacts** Contacts are to be made with other NZARD stations, or home stations willing to work NZARD stations. Interested public should be encouraged to have a go on the air under direct supervision.

**Bands and Modes** Operation on the day can be on any band and any mode. The national system, IRLP nodes, 80 and 40m would be recommended as a starting point for New Zealand based contacts. Digital modes and CW may also be used to attract interest.

**Other rules** While this is a field type operation, mains may be used if available. Make sure your equipment is working and presentable to the public before the event.

**Afterwards** Please write an activity report and submit it with your log to <warren@zl2aj.com>. There is no scoring of contacts made during the day. Activity reports will be submitted to *Break In*. It is imperative to follow up any names collected on the day. Invite them to a club night, or get them involved in activities. Encourage them to study and get a call-sign. All this will help boost club membership.

Warren Harris

Technaserve Ltd, 0800-219284

<warren@technaserve.com>

<www.technaserve.com>



## Calendar for 2010

**ZL3VV on air;** Tuesday evenings, contact Maurice ZL3MEM.

**Theory and CW classes, Workshop activities, etc.** Wednesdays at 1930 hr when required.

**CARDS meeting,** 3<sup>rd</sup> Wednesday; All welcome.

**Free & Easy - Second Wednesday** at 1330 (1.30pm)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
	10	10	14	12	9	14	11	8	13	10	8

**Committee Meeting - Third Tuesday** at 1930 (7.30pm)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
19	16	16	20	18	15	20	17	21	19	16	

**General Meeting - Fourth Tuesday** at 1930 (7.30pm)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
26	23	23	27	25	22	27	24	28	26	23	

### Free & Easy:

8<sup>th</sup> Aug        NZ Connection to Bletchley Park Uncovered; talk by David W Searle  
                  ZL3DWS

### General Meetings

28<sup>th</sup> Sept        A presentation by Dave Brown ZL3FJ on LF operation

29<sup>th</sup> Sept        ZL3 Radio Buildathon at the clubrooms with an evening start time of 6:30pm

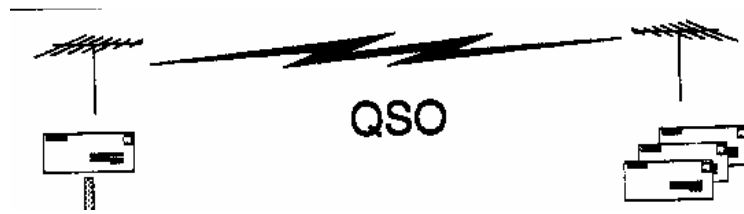
*Your committee welcomes suggestions for topics and/or offers of talks for Branch meetings.*

**A reminder ; 2010 subs are due NOW**

### Interested in Vintage Radio?

The Christchurch section of the NZ Vintage Radio Society now meet in our club rooms. Meetings are normally held on alternate months on the first Tuesday of the month. If you are interested please contact Jim Lovell ZL3AGS (ph 342 7760) or David Chapple, email <canda@netaccess.co.nz> for more information.

# QTC56



**Monthly Newsletter**

**Christchurch West Amateur Radio Club Inc.**

**NZART Branch 56**