



April 2010

NERG Inc.
PO Box 270
Greensborough
Victoria 3088
news@nerg.asn.au

WHAT'S ON IN APRIL

There are a few contests running in VK this month and next, with a couple especially suited to Foundation operators. The FM CQ Repeater Contest suits anyone with a VHF/UHF FM radio. You should be able to work dozens of repeaters around Melbourne from a suitable hill with nothing more than a handheld or mobile transceiver.

Then there is the May QRP Challenge where power levels are low, giving everyone an equal chance. There is a category especially for Foundation operators too.

Later there is the 80m VK/trans-Tasman, a short contest to stir up activity between New Zealand and Oz.

There's nothing on the calendar for the April meeting, however it's likely there will be discussion on the recent John Moyle Field Day (see report later in this edition).

Following the meeting there will be time for friendly chatter and delicious Margherita pizzas for supper!

73, Mark Harrison, VK3BYY, NERG NEWS Editor

THE GAINFULLY UNEMPLOYED GROUP

The group ventured into the other side of the big roundabout to the home of Chris VK3CHR and Sandra. The weather was such that we were able to sit outside in their very well setup barbeque area protected by shade cloth. Chris had engaged the services of a "caterer" for the day by the name of Sandra. Her efforts were outstanding and we all appreciated them. Those present were Dave VK3JMB, Greg VK3VT, Gerhard VK3EWM, John VK3XD, Ewen VK3OW, Steve VK3JSE, Ian VK3QL and myself. We thank both Sandra and Chris for having us around even though the house is on the market and for providing a truly delightful eats.

The next meeting of the Group will be at the QTH of Dave VK3JMB and Carole on Tuesday 27th April from 10am onwards, please RSVP.

Cheers, Jim, VK3KE

THE NEXT NERG MEETING

Next months regular NERG meeting is on **Thursday May 13th 2010**, starting 7:45pm at the Briar Hill Community Hall, 126 Mountain View Rd, Briar Hill, MELWAY 21 C3.

JOHN MOYLE FIELD DAY – 20-21 MARCH

This year's field day was a great success!

More than a dozen NERGs spent the weekend on Mount Macedon operating all bands from 160m to 23cm. Several of our recent Foundation graduates also dropped in to lend a hand and see how things worked.

Apart from some drizzle and fog on Friday night the weather held up beautifully for the weekend.

Judging by the following comments from various participants, next year should be just as good:

NERG NEWS

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Affiliated with the Wireless Institute of Australia

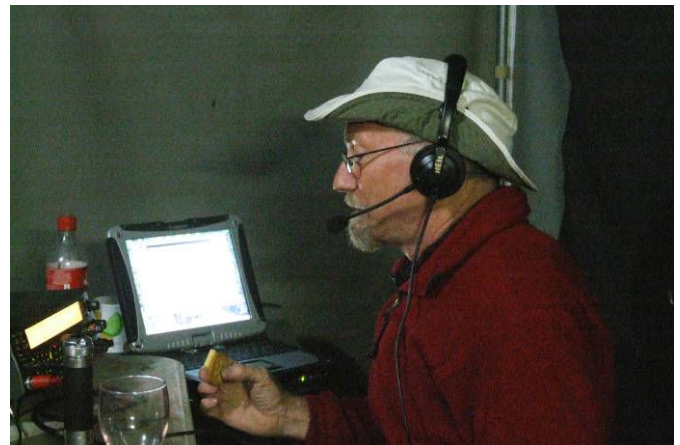
NEXT MEETING: 8th APRIL 2010



Some of the VK3CNE field day team at Mount Macedon last month.

Coffee Night Thursday 22 April

- A great weekend: good weather, great gear, excellent food and wonderful company. Terrific to have so many new faces come along and contribute so well. Thanks to all who pitched in - good work NERGs.
- I had a great time on my first field day with NERG - it was most interesting to see what equipment members brought and how things worked. I second the appreciation of the company, food, member's stations and the weather!
- I also had a great weekend, great company, wonderful catering, very favourable weather, few technical problems. It's been a long time, more than 20 years since my contest days in the 80's, although my contest skills were not so rusty.
- It was great to see so many new faces up the mountain. Thanks Steve for the use of your rig. More horse power always makes a big difference.
- I had a great weekend!



David, VK3KR, working the 23cm station late into the night

For the first time in many years we had enough radios, antennas, and operators to cover all bands simultaneously. This helped our HF contacts although we still only worked one station on 10 metres!

Although activity seemed to be down this year, VK3CNE clearly did better this year than last on both HF and VHF/UHF bands. Having a lot more operators this year certainly spread the load and assisted in getting the station up and running on time. Perhaps that's why activity didn't seem as busy as previous years!



Accommodation varied from Stephen's (VK3SN) portable solar powered HF station on 20-15-10m to Steve's (VK3QW) 2m band trailer, compete with shower and hot and cold running water (below)



Unfortunately propagation from the mountain to our club's home area around Greensborough was fairly poor on the VHF and UHF bands. We've noticed this path has been getting worse in recent years and put it down to the growth of tall trees around the field day site (see photo below). Next year we'll need to look at taller masts, antennas with higher gain, and more power (or a chain saw!).



The only thing missing from a great weekend was some decent DX on the VHF/UHF bands. Only a couple of stations were worked beyond the borders of VK2 and VK5. Even the usual interstate beacons were missing for most of the weekend, indicating it wasn't just a lack of other stations to work.

A more detailed analysis of our scores and what we learned will follow next month.

73, Mark VK3BYY

MOORABBIN AND DISTRICT RADIO CLUB HAMFEST 2010

One of MELBOURNE'S BIGGEST

Saturday 8th May 2010, doors open 10am, tickets on sale prior to opening. All Inside and Undercover.

BRENTWOOD SECONDARY COLLEGE, Watsons Rd, Glen Waverley. Melways Map 71 D7 (Enter via Heath St.)

Major and minor prize draws during the day. Every entry ticket goes into the door prize draw, with separate raffle for a Major Prize.

Suppliers of new amateur equipment & accessories, and preloved ham gear & accessories, PC's & bits & pieces.

Demonstrations of ATV and packet radio. Snacks and hot food will be available. Talk in via VK3REC 2M repeater on 147.175MHz and on 439.900 70cm VK3RSE.

Tables available at \$18 each, (1.8m long) includes lunch voucher. Contact Lee Moyle, VK3GK. Tel: (03) 9705 1051.

Fax: (03) 9705 1054. Email: vk3gk@aanet.com.au or Graeme Lewis, VK3GL. Tel AH: (03) 9702 1199 or Mobile

(0418) 171601 Email: vk3gl@bigpond.com

Webpage - www.mdrc.org.au

FM CQ REPEATER CONTEST

Westlakes Amateur Radio Club (NSW) is hosting a 7 days contest running midnight Friday 30 April to midnight Friday 7th May. This unique FM CQ Repeater Contest encourages all amateurs to put a little life into the usually quiet repeaters.

The initial CQ Repeater contest was held in 1999 for the first seven days of the New Year. The aim of all contests is to promote goodwill between amateurs and to encourage on air activity. The big difference with the FM CQ Repeater contest is that all contacts must be made via repeaters. The rules are simple -it doesn't get any simpler than this!

- Open to all VKs, using 6m, 2m, 70cm, 23cm FM repeaters.
- **IRLP and Echo-link contacts are NOT valid!**
- Station contacted can only be logged once on any one day on any repeater.
- Contest numbers do not have to be exchanged - just keep a record of the date, station spoken to and on which repeater and at what time the contact was made.

Award certificates for place getters for each frequency. Place getters with the highest overall contacts will also receive a certificate.

A participation certificate is also available for any logs received.

Logs to be sent to arrive no later than Friday May 28th at:

Contest Manager
C/-Westlakes ARC
PO Box 3001
Teralba NSW 2284

Email: contestmanager@westlakesarc.org.au

"Amateur Radio is a great hobby, become active and enjoy it"

Full details at www.westlakesarc.org.au

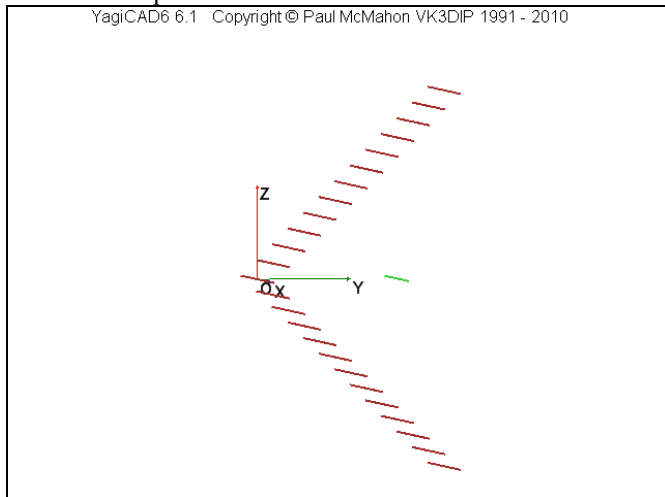
YAGICAD NEW VERSION 6.1.5 AND WHAT YOU CAN DO WITH IT.

By Paul McMahon VK3DIP

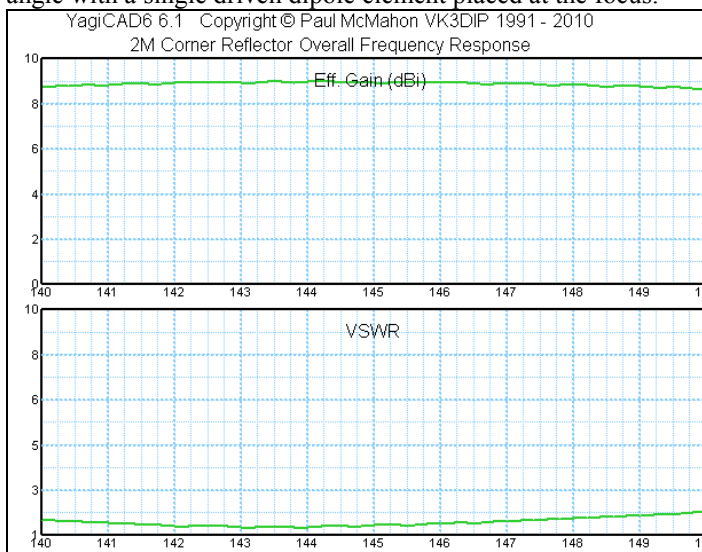
Just a quick update to let people know there is a new version of YagiCAD available at YagiCAD.com. This version has the following new features:

- Replaced Fortran based NEC2SX/DX engine with Open Source C++ version of NEC2. (Compiled using free MS C++ 2008 Express)
- No arbitrary segment limits - just available memory limits
- Double precision only
- Depending on CPU, can be 2-3 times faster.
- Added new element models of folded dipole and multi-element.
- A few minor bug fixes.

While the use of the Folded Dipole is obvious, the Multi-Element is perhaps less so. The Multi-Element can be used for a trigonal reflector but it also allows for a number of other possibilities previously not available in YagiCAD. One of these possibilities is the corner reflector as shown in the 2-metre example below:

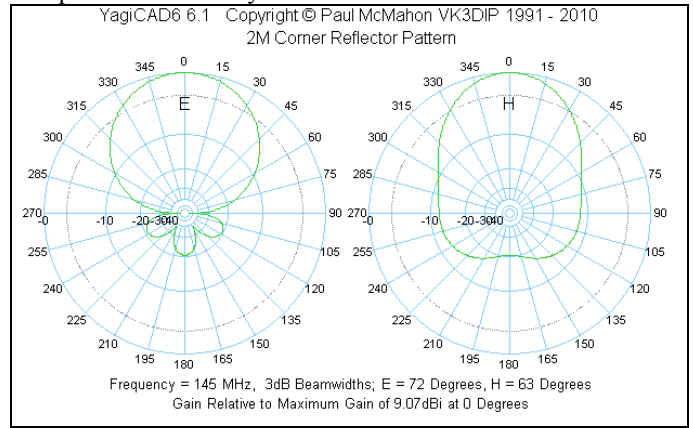


It's created in YagiCAD using a single dipole reflector and twelve by two element multi-elements with increasing vertical spacing. This antenna with a single driven element achieves just over 9 dBi gain with a 20 dB plus front to back over the whole 2M band plus some. The 26 element antenna consists of 25 reflector elements arranged to form a right angle with a single driven dipole element placed at the focus.



As you can see, even though the driven element has the approximately 70 Ohms impedance of a standalone dipole the 2:1 VSWR bandwidth easily includes the whole 2metre band.

The pattern is also very well behaved:



This is a very simple antenna which has not seen all that much Ham use. A version scaled to 435MHz would provide over 9.2dBi gain with a 2:1 VSWR range from well below 420MHz to over 450MHz making it an ideal antenna to use for 70cm SSB, FM and ATV. If you were looking for an antenna to listen to the Digital ATV repeater then this is pretty much as simple as it gets with a good pattern to minimise reflections, and a good match to 75Ohm TV coax. [By comparison, a 5 element Yagi has similar gain, but much narrower bandwidth, a narrower beam width, and dimensions are more critical. Ed]

73 Paul VK3DIP.

THE FEBRUARY 2M FOX HUNT

The regular Melbourne Friday Night hidden transmitter hunts are still going strong as reported below by Greg, VK3VT:

The February 2010 hunt was run by the VK3FOX team and saw hunts conducted around the North and North-eastern suburbs. Despite the fox specifically stating that fences should not be crossed, some hounds in the heat of the hunt, could just not help themselves! As things worked out this did not appear to affect the overall result, however there were some heated words exchanged!

The first hunt was on a new bike track in Eltham North and a good signal was provided to the hounds at the start location, the Nillumbik council offices. Hounds found this spot in short order. The second hunt was in the back blocks of Diamond Creek around some power lines and there were a number of fences that the fox explained should not be crossed; several teams ignored this and were penalised, much to their disgust. VK3FVXN was the first team to come in the right way and was awarded with a 0. YQN who had been coming up against fences all over the place was a very close second and TXO was third after finding the fence earlier and then having to determine the correct way in.

The next hunt was supposed to be a quickie but due to the fox battery deciding to give up, signals were a little weak!! This resulted in a large spread of times as those closer to the fox as the battery died could still hear the much reduced signal. Bursts of 80W from the fox vehicle, which was close to the fox, assisted those that were having trouble.

Hunt 4 was near the creek in Hurstbridge and those that had been on a mountain bike event in the area had a distinct advantage with Bruce from the YQN team winning the sprint. As the fox had changed to a hand held some hounds had difficulty locating the much smaller transmitter and provided much entertainment to the assembled onlookers as they tried to locate the fox.

The next hunt was some distance off in Panton Hill, due to some navigational difficulties the fox was still mobile when the FVXN team ran them to ground the rest found us once we had stopped on the side of Long Gully Road.

Due to the time, the last 2 hunts were dropped and the supper hunt was a quick selection by the fox at the end of Dering Street in Diamond Creek. This is a dead end road that has houses backing onto the railway line and beyond that is a large area of parklands. As a number of teams discovered there is no access to Dering Street from the parklands!!

BLN team were the only ones to find us, thus ensured their win for the evening. Team YQN were in the lead coming in to this hunt and with a bit of luck could have won the evening, unfortunately Bruce was discovering the railway line and fences just as the BLN team drove up to the fox.

Supper was at the home of Chris VK3CHR and after a supper of sandwiches, sausage rolls, party pies, quiches, hot dogs and chocolate cake the following results were announced. Standard scoring was used (time of arrival in minutes after first hound finds transmitter).

Hunt								
Team	1	2	3	4	5	6	Score	Placing
VK3BLN	0	10	0	3	2	0	15	1
VK3YQN	2	1	1	0	8	10	22	2
VK3TXO	2	5	2	3	10	10	32	3
VK3FVXN	4	0	10	10	0	10	34	4
VK3OW	1	10	6	9	8	10	44	5
VK3FAST	4	10	9	8	9	10	50	6

Congratulation to the BLN team for an excellent effort.

Greg VK3VT for the VK3FOX team.

Fox Hunts are held on the 3rd Friday of each month, starting at various locations. If you are interested in fox hunting (the transmitter version; no guns involved!), subscribe to the Melb Fox mailing list at:

<http://lists.id.oz.au/www/subrequest/melb-fox>

ANZAC DAY AM AND CW ONLY EVENT

ANZAC day, 25th April, is being commemorated by the use of AM and CW modes only. This is a way for the Amateur Radio fraternity in Australia and New Zealand and other countries to show respect for our servicemen and service-women in the many conflicts that they have been involved in. Many Australia and New Zealand amateur radio operators have served their countries and indeed still do. By using AM and CW, we are using the modes that were used in world War 2, Korea, Malaysia, and early Viet Nam.

If as many nets and individuals as possible use the AM/CW mode on the day then it will be a great event and may become a yearly event which is purely social with mateship as the underlying theme.

Here is a sample of activities around the world planning to use ONLY AM and CW modes:

- The AM Afternoon Net on 7093kHz from 0600UTC on ANZAC Day.
- Mareeba Warbirds Museum in Far North Queensland.
- North Queensland Net on 3605.4kHz from 0930UTC on ANZAC Day using AM with the net controlled from a World War 2 RAAF HQ Communications Bunker.
- Stations will be set up onboard the ex RAN Museum Ships Whyalla, Castlemaine and Diamantina
- And as special "guests", Turkey's TC Special Wireless Activity Team known as TCSWAT, will be operating as TC57A from 22-25 April overlooking ANZAC Beach.

If you want to join in or find out more please contact

Mike Patterson VK4MIK, vk4mike@yahoo.com.au

(from WIA NEWS)

DATV FROM THE ISS

The Amateur Radio on the International Space Station (ARISS) international team met for the monthly teleconference on March 16. Two highlights of the meeting include the planned installation of VHF and UHF FM amateur radio equipment and possible digital amateur television from the Columbus Module at the International Space Station.



Columbus Laboratory Credits: ESA / D.Ducros

The installation of the Ericsson radio used by ARISS in the Columbus module is scheduled to be done by astronaut Mike Fincke, KE5AIT on the STS-134 shuttle flight planned for late July 2010. ESA hopes to have a special contact to commemorate the first operation of amateur radio in the Columbus Module.

Gaston Bertels, ON4WF reported that the Amateur Radio - Columbus (ARCOL) Working Group is currently proposing the flight of a digital amateur television (DATV) system to downlink TV on S-band. ARISS US team members Mark Severance N5XWF; Mark Steiner K3MS; Lou McFadin W5DID; Kenneth Ransom N5VHO; Rosalie White K1STO; and Carol Jackson KB3LKI are assisting.

The Digital Television capability, under consideration for installation by the ESA in December, 2010 poses technical challenges. The biggest technical challenge is the obtaining of a suitable power supply. Gaston is working with ESA to resolve this.

While DATV from the Columbus module will open up an exciting new capability for education contacts, it will require a more capable ground station to receive the S-band DATV signals. This has implications for the existing telebridge stations, including how the DATV images would be routed to the event sites. Gaston will be establishing a working group to help tackle these two challenges (reception and passing to the event site), and is actively soliciting volunteers to help out.

The ARCOL group has already accomplished the assembly and installation of the L- and S-band patch antennas mounted on the exterior of the Columbus Module.

From AMSAT

MAY QRP CHALLENGE

The QRP Centenary Contest runs 1000-1300UTC for every day of May. Score your best 20 days.

Categories: Open, or Foundation Licensees

Bands: 80 and 40 metres; Modes: CW, AM, SSB

QRP Power is maximum 5 watts on CW and 10 watts Phone.

Contest Manager Ian Godsil VK3JS ianvk3js@gmail.com

See WIA website, or March WIA News for details.

VICTORIAN FOXHUNTING CHAMPIONSHIPS

The 2010 Vic Champs will be held on Saturday the 17th April 2010. Specific hunt details are still being finalized, and running sheets will be handed out on the day.

There will be hunts run on 80m, 10m, 6m, 2m, 70cm & 23cm. There may also be a hunt on 160m if people have the gear for this band, a sniffer hunt will also be included.

There will be an afternoon tea & dinner stops back at the start location where equipment can be changed over. The night hunt will require the use of several bands from the car.

Starting: with a BBQ at 11:30am to start hunting at 12:30

Location: 13 Wollahra Rise, Wyndham Vale 3024

Hunts will be bordered within the following boundaries:

North: Melton North West: Ballan
West: Brisbane Ranges South West: Corio
East: Point Cook

There are two entries to the property and a sign will be set up outside the correct entrance gate. Horses go up and down this road quite frequently on the weekends, so care must be taken when entering/exiting the property.

Catering will be provided for Lunch & Dinner at a cost of \$15 per person. Lunch will be a BBQ, Snags, Hammies, Soft Drink, etc. Dinner will be a Pork Spit roast, salads, Soft Drink, etc. Please let me know if an alternate menu is required. RSVP with numbers is essential for catering.

Email or contact me on 0416 039 082 if you have any further questions, Cheers, Josh

VICTORIAN FOXHUNTING

There is an ARDF sniffer modification day to be held on April 27 from 10:00am. More details closer to the date will be found at: <http://www.ardf.org.au>

An ARDF course will be available in conjunction with the Sunday Special event at Plenty River. This RadiO - Metro / MicrO will be held on Sunday, 30 May from 10am to 11am.

Start Location is Yellow Gum Park, west end of Goldsworthy Lane. Enter from Memorial Drive, via Yan Yean Road.

Course Setter: Mark Besley

WINTER VHF-UHF FIELD DAY RULES

The rules for the Winter Field Day (19/20 June) are now available. Check the WIA contest web page.

There has been one major rule change: the introduction of a separate section for rover stations. This new section will allow portable and rover stations to compete against other stations that have similar scoring potential. The rover section will apply to all stations that operate from more than two grids, or change location more than twice. This allows stations in the regular Portable sections to change location once, and return to the original grid square, without being required to enter the Rover section.

Special certificates will be awarded in December 2010 to the entrants who have participated in all three 2010 Field Days.

The Summer Field Day for 2011 will cover all bands as usual, but it will also include a "Microwave Challenge", with special certificates to be awarded to the participants on microwave bands.

John VK3KM

80M VK/TRANS-TASMAN CONTEST

May 8th, 0800 to 1400 UTC, 80 metres, SSB only.

Contest runs for 6 hours, in 1 hour stages - long enough to be interesting without being too arduous, with stations being reworked each hour. The main emphasis is on contacts

between VK and ZL stations, with the scoring structured to give all stations an equal chance.

Rules are far too complex to reproduce here – best to use VKCL logger for this one! Or see:

www.wia.org.au/members/contests/transtasman/

The 160m VK/trans-Tasman will be held on June 12th.

HARRY ANGEL SPRINT 80M CONTEST

2010 April 23rd Friday 10:00 – 11:46UTC

This year marks the 12th Anniversary of an annual Contest to remember VK's oldest licensed operator, Harry Angel. Please note the time length of the Contest - 106 minutes, Harry's age when he died in 1998. It is open to all HF operators.

Object is to make as many contacts as possible on the 80 metre band using modes CW and SSB.

Category: Single Operator

Sections: CW, Phone, Mixed (please choose ONE ONLY).

Frequencies: CW: 3500 - 3535 kHz, Phone: 3550-3590 kHz; 3650-3665 kHz

Exchange RS(T) and serial number starting at 001.

Score two points per CW QSO and one point per Phone QSO.

Stations may be worked once only per mode. Logs must show time UTC, callsign worked, mode, RS(T), serial numbers sent and received for each QSO.

Sending Logs: Email is the preferred method to vk3js@zoho.com (Please note that even for email logs, the entrant's name, callsign and postal address are required, as per the Summary Sheet.)

Send Written Logs to Harry Angel Sprint, 121 Railway Parade, Seaford 3198, by 2010 May 7th Friday.

Send summary sheet showing name and date of Contest, name, address and callsign of entrant, category entered, points claimed and a declaration that the rules and spirit of the Contest were observed.

Notes:

- 1 Please submit your logs as soon as possible after the Contest and do not forget to include your postal address (you cannot know if you may be a section winner!).
2. The VKCL logging program covers this contest. This way everything can be kept electronic.
3. Please make this a special effort to commemorate this 12th Anniversary within the WIA 100 Years celebrations.

From Ian Godsil VK3JS Contest Manager

2009/10 AMATEUR RADIO EVENTS

H = Hamfest, A = ARDF/RadiO/Foxhunt, C = Contest, M= Meeting, S = Special event, G = General, W = WICEN

FoxHunt = Friday night or weekend daylight mobile hunt.

RadiO = a simplified direction finding competition usually held at an orienteering event. **BushO** = Bush orienteering event. Check the ARDF web site for updates and further details at: www.ardf.org.au

F	Apr 17	Fox Hunt Victorian Championships
S	Apr 23	23rd International Marconi Day
C	Apr 23	Harry Angel Sprint 80M Contest 10:00–11:46UTC
S	Apr 25	AM/CW day (world wide)
F	Apr 27	ARDF sniffer modification day, 10:00am
C	Apr 30-May 6	FM CQ Repeater Contest, open to all amateurs. Westlakes Amateur Radio Club www.westlakesarc.org.au

May 2010

C	May 1-31	May QRP Challenge 40 & 80m, CW/Phone
H	May 8	Moorabbin & District Radio Club HAMFEST 2010, 10am, \$6, Brentwood Secondary College Glen Waverley, Map 71 D7

C May 8 80m VK/trans-Tasman, 0800-1400 UTC, SSB only. www.wia.org.au/members/contests

June 2010

C June 12 160m VK/TransTasman, 0800-1400 UTC, SSB only. www.wia.org.au/members/contests

July 2010

H Jul 17 10am-2pm HAMFEST Gippsland Gate Radio & Electronics Club

August 2010

S Aug 20-21 International Lighthouse & Lightship Weekend

NOTE: always confirm details closer to the posted dates!

UTC dates may be used for International events.

Dates gathered from WIA, AR Vic, ARRL, various clubs, VK Contest Club www.vkcc.com, and Banyule City calendars.



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The NERG Inc. RegNo A0006776V <http://nerg.asn.au>

The North Eastern Radio Group, Inc. is an amateur radio club devoted to encouraging members and others to enjoy the hobby of amateur radio. It tries not to hang on ceremony and endless reporting but rather participate in the fun aspects of this fascinating hobby.

Membership Fees (due in August):

Full: \$30 Family: \$40 Concession: \$20

Send to: NERG Treasurer, PO box 270, Greensborough, Vic., 3088

Committee

President	Greg Williams	VK3VT	9432 0563
Secretary	John Weir	VK3XD	9431 0667
Treasurer	Marg Baxter	VK3VOJ	9467 1253
Assistant	Jim Baxter	VK3KE	
Committee	Betsy King	VK3HBK	
	David Aston	VK3UQ	0411-877-051
	Peter Cosway	VK3DU	9379 3626
	Don Haslam	VK3KDT	0409 024 597
News/Repeaters	Mark Harrison	VK3BYY	9435 3043

Meetings

Main Meeting: 2nd Thursday of each month at 7.45 PM (ex Dec & Jan)
Coffee Shop nights: 4th Tuesday each month.
Briar Hill Community Hall, 126 Mountain View Road, Briar Hill
(Near Sherbourne Road intersection) Melway map ref 21-C3

Classes & Exams

NERG occasionally runs classes and exams for Amateur licences

Callsigns and Repeaters (25km North East of Melbourne)

Club call - VK3CNE <http://www.nerg.asn.au/vk3cne>

6m repeater VK3RMH FM 52.550 MHz in 53.550 MHz out

70cm rpt. VK3RMH FM 433.325 MHz in 438.325 MHz out

with 70cm IRLP node 6350, EchoLink node 140587

6m beacon VK3RMH CW 10 Watts H 50.2950 MHz

10m beacon VK3RMH CW 20 Watts V 28.2565 MHz

Packet Radio VK3CNE 2m 144.700 MHz, 1200 bps

VK3CNE-1 for mail,BBS; VK3CNE-7 for the DX Cluster.

Occasionally home to the Scout Radio & Electronics Group repeater:

2m VK3RSR FM 146.375 MHz in 146.975 MHz out

NETS

NERG NETS run on 146.575 MHz FM Simplex (8.30 – 9.30 pm Thursdays).

Please join the discussions. Also used as a general Net frequency.

WEB Sites: <http://nerg.asn.au> and <http://www.qsl.net/vk3rmh>

NERG NEWS submissions and comments invited:

editor: Mark Harrison VK3BYY

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email: news@nerg.asn.au



NERG

North-East Radio Group VK3CNE

NERG Incorporated 1985
BOX 270 GREENSBOROUGH VIC 3088

STAMP

Next Meeting: from 7.45 pm Thursday 8th April 2010

2010 CALENDAR (NERG ACTIVITIES IN BOLD TYPE)

April 2-5	WIA 100 Midland ARC Radio Electronic & Astronomy Expo
April 4	Daylight Savings Ends in Victoria
April 8	NERG Meeting
April 15	NERG NET
April 16	CANCELLED - regular Night Transmitter Hunt not held due to Vic Champs next day
April 17	Fox Hunt Victorian Championships
April 22	NERG coffee shop
April 25	ANZAC Day; Work CW/AM Only Day
April 27	NERG Morning tea/lunch group 10am-2pm
April 29	NERG NET
May 6	NERG NET – 146.575MHz FM 8.30-9.30pm
May 13	NERG Meeting
May 20	NERG NET – 146.575MHz FM 8.30-9.30pm
May 21	Friday Night Transmitter Hunt
May 25	NERG Morning tea/lunch group 10am-2pm
May 27	NERG coffee shop