

# Portable Operation

Presented by

Julie VK3FOWL and Joe VK3YSP



# Topics

- Introduction
- Prepare it
- Share it
- Enjoy it
- Be responsible
- Be safe
- Be heard
- Be seen
- Be smart
- Get going
- Have fun
- Learn more



# Introduction

Portable Amateur Radio operation can enhance your enjoyment of almost any outdoor activity and provide an even greater incentive to get out and about, see our beautiful country, meet interesting people and live a healthier lifestyle.





Portable operation while camping





Portable operation while bushwalking





Portable operation while birdwatching



# Introduction

Portable operation is easy, fun, safe, healthy and worth doing. Take your radio gear along with you the next time to venture out. You will be surprised what you can do with a portable Amateur Radio setup.

But first, here are a few tips and tricks to help you get the most out of your next radio expedition. Good luck!



Portable operation while maritime mobile





Portable operation in the Grampians



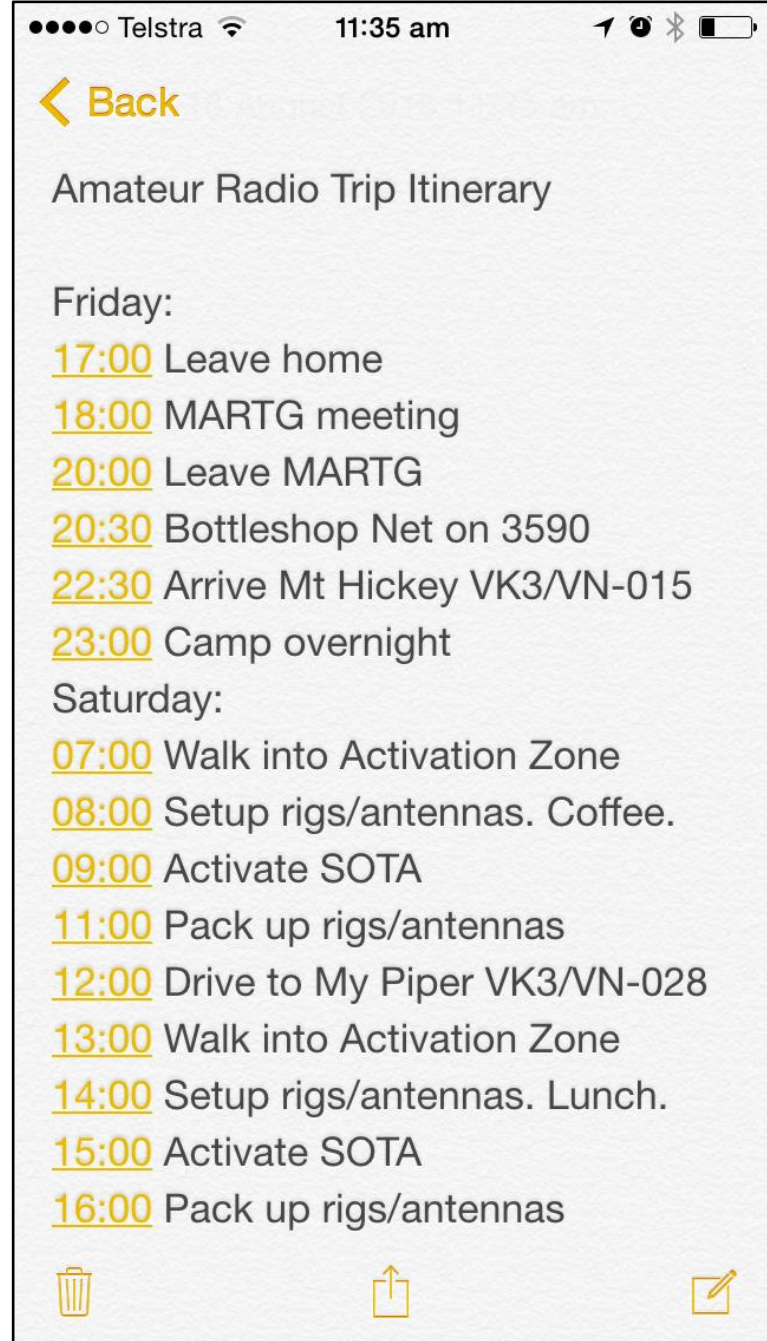
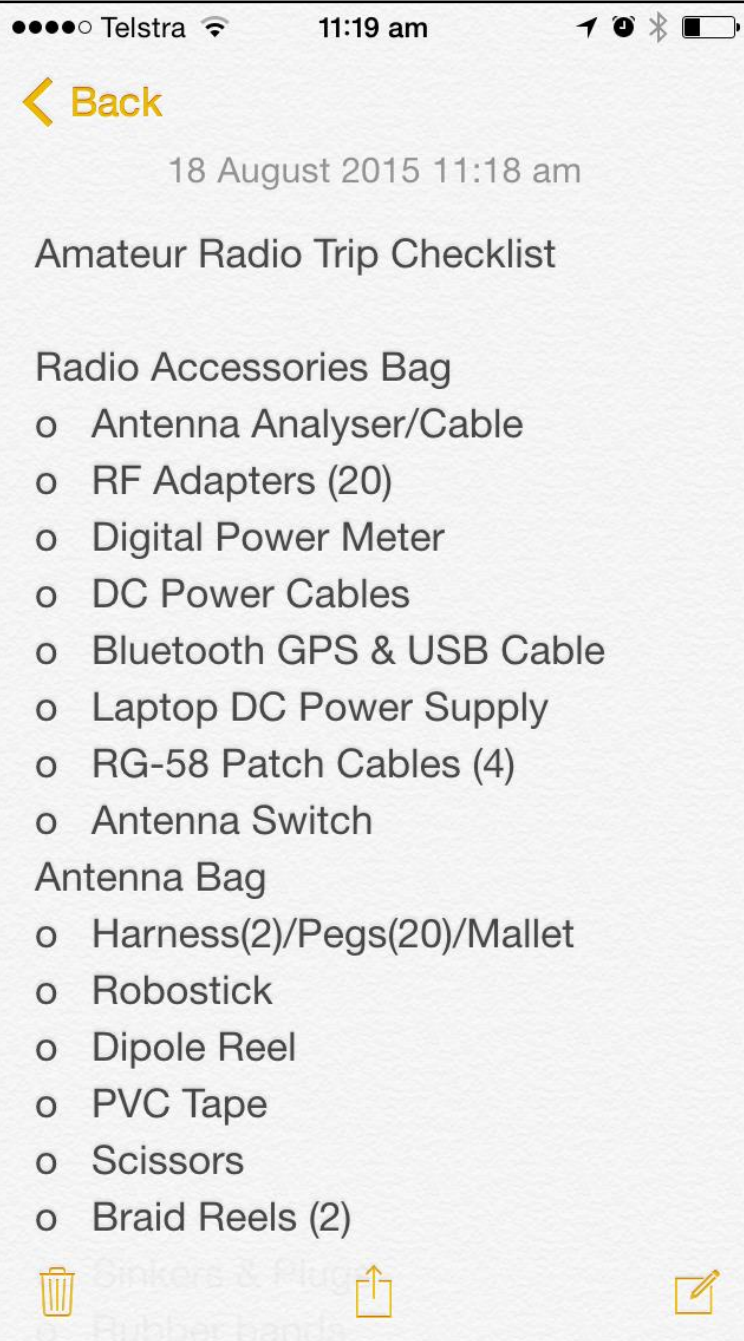


Portable operation demonstration

# Prepare it

- Create a checklist of everything you'll need. It is the obvious things you forget. Revise it as you go.
- Check and service your car, caravan, tent, backpack, camping gear or whatever it is you need
- Work on your touring, camping, bushwalking or hang-gliding skills, or whatever it is you do
- Figure out when, where and how you can responsibly include Amateur Radio operation into your trip





Portable operation checklist and itinerary

# Prepare it

- Get your radio gear, power supply, cables and antenna setup working properly at home first
- Make sure your equipment is safe, sound, protected and will survive the expected conditions
- Try a practice portable session at your local park (STCA)





Practice portable operation set up near your home





Oakleigh Horizontal Antenna Test Range and Cricket Pitch





Oakleigh Vertical Antenna Test Range and Bocce Court





Chelsea beach Environmental Test Facility and Picnic Area





Chelsea beach Portable Equipment Field Trials and Wind Tunnel Test





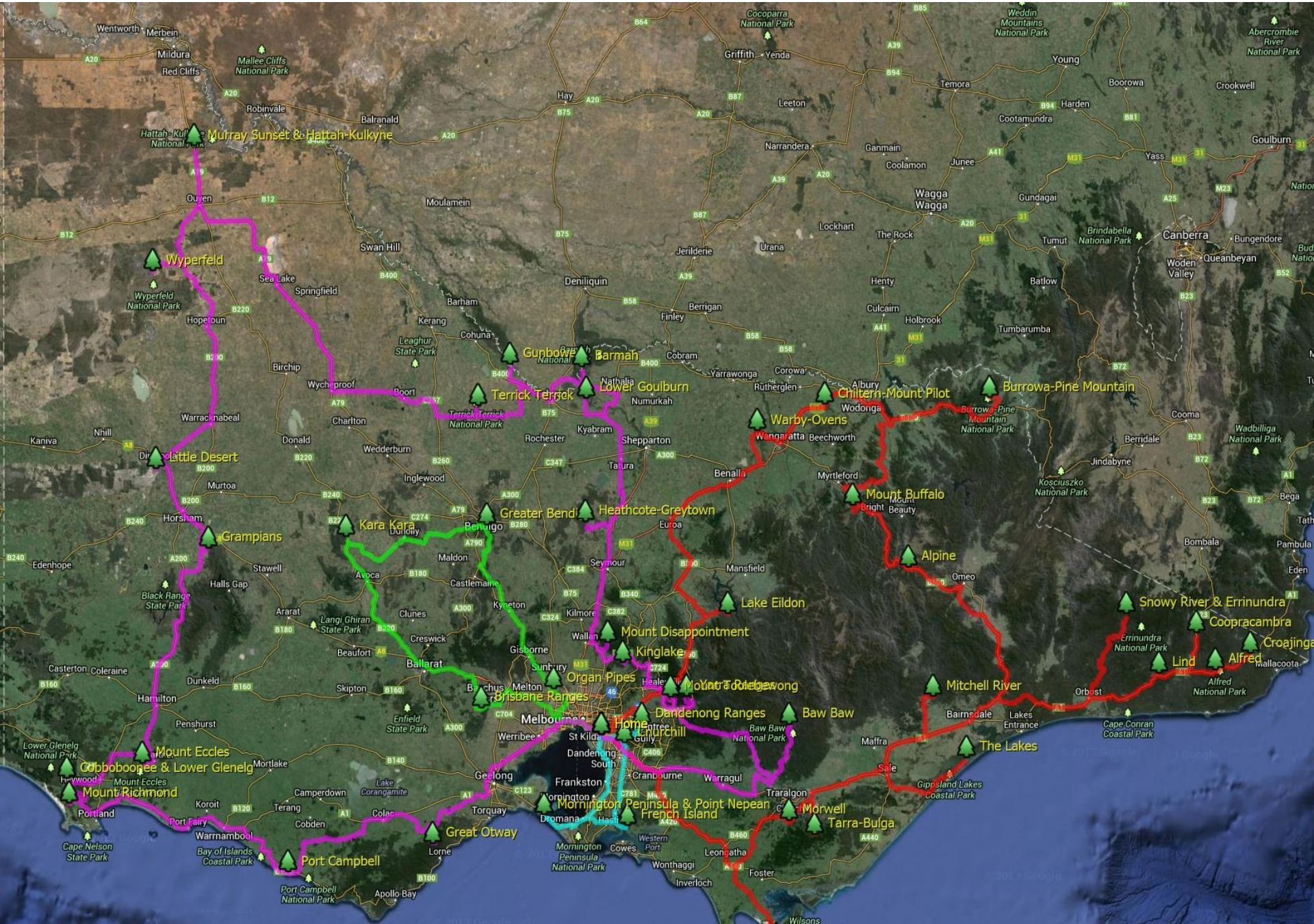
Chelsea beach Solar Radiation Test



# Prepare it

- Plan your route, distances, travel times and operating periods
- Create a relaxed itinerary and have a bad weather contingency plan
- Use Google Earth satellite view to locate access roads, walking tracks, camp sites, facilities and trees
- Checkout good portable operating spots including mountain peaks, coastline, lakes, rivers and parks
- Pack everything, fuel the car and charge your batteries the day before you go





Portable operation route planning with Garmin™ BaseCamp



# Share it

- Take someone with you: Involve them in your radio station set up, operations and logging
- Inform other Amateurs of your trip; invite them along or invite them to meet you there.
- Travel in a radio-linked convoy or meet at pre-arranged checkpoints
- Drop in on Amateurs who live along the way and show them your portable setup

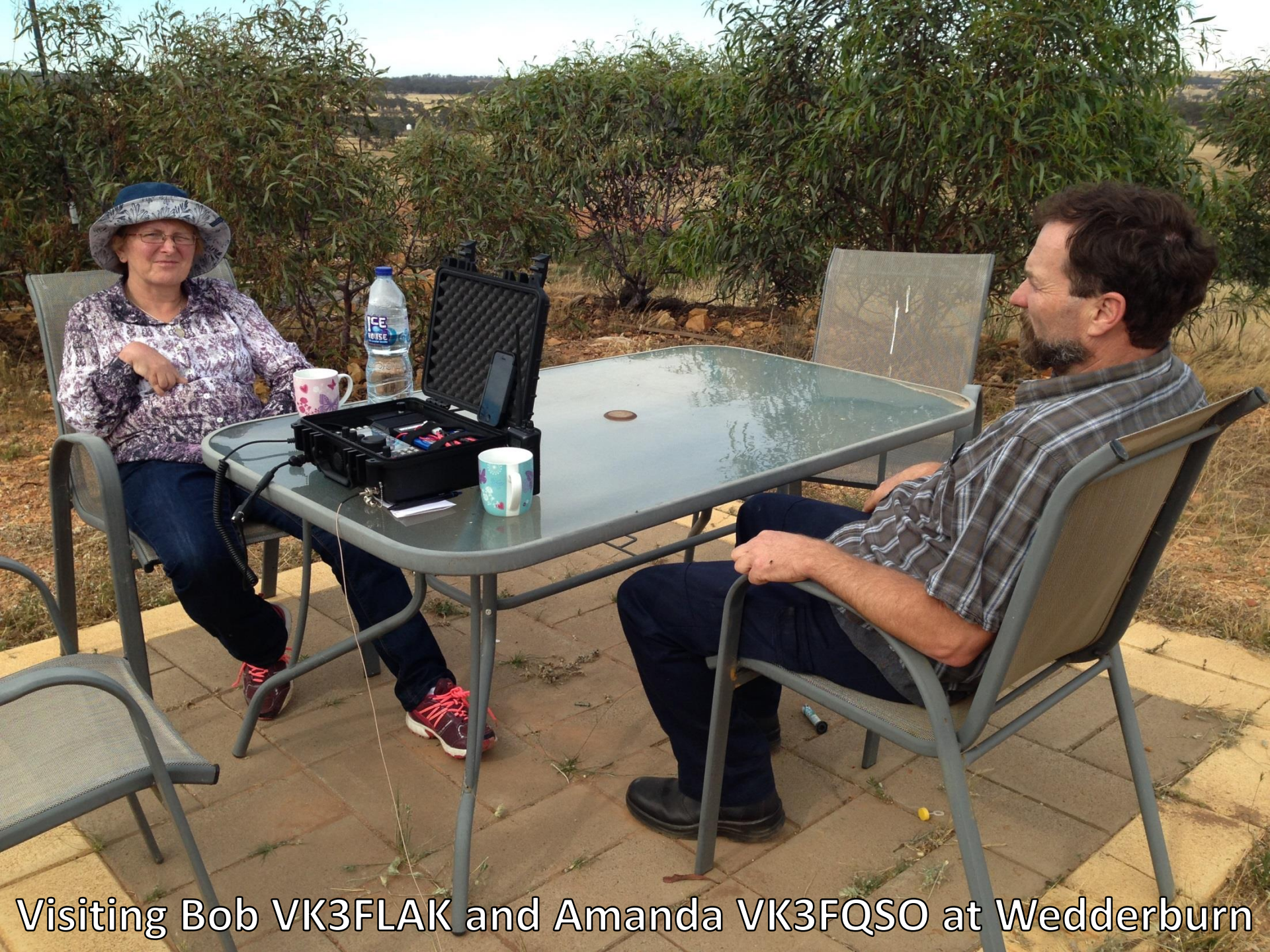




BLACK CAVIAR  
SIRE: DEL ESRITT      DAM: HELSINGE  
BORN: GILGAE FARM  
NAGAMBIE - AUGUST 2006  
BREEDER: R. JAMESON

Meeting Peter VK3FPSR and Karen at Nagambie





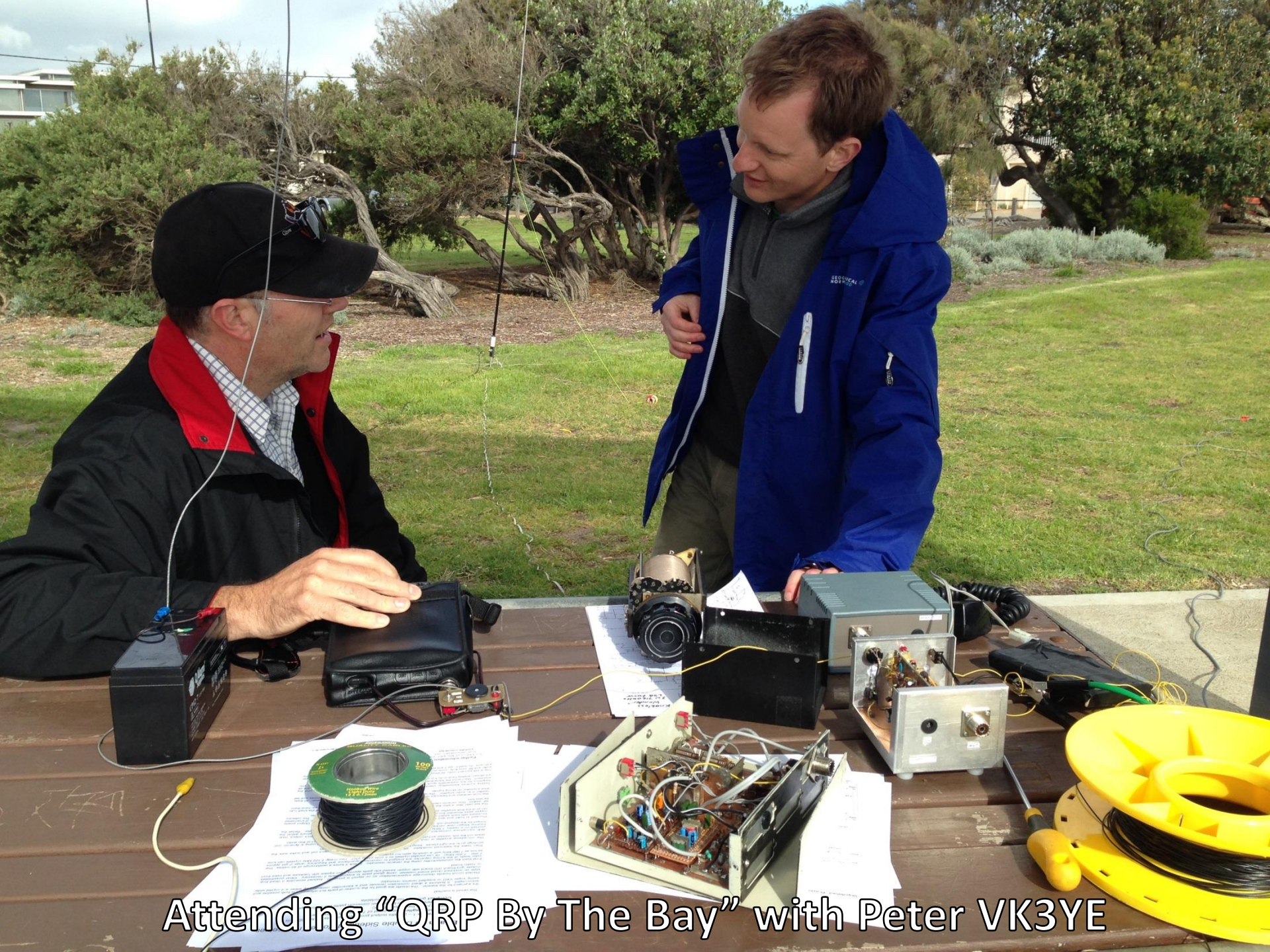
Visiting Bob VK3FLAK and Amanda VK3FQSO at Wedderburn





Activating Lerdererg SP with Tony VK3VTH and Sheryl





Attending "QRP By The Bay" with Peter VK3YE



# Share it

- Post your trip details on Yahoo groups: KRMNPA, VKWWFF, SOTA etc
- Post alerts on Parks N Peaks and SOTAwatch websites
- Create your own website with all the details of your trip and then send around links via e-mail
- Advertise your expedition on the weekly WIA News Bulletin



Groups Home

krmnpa 11

SOTA\_Australia 92

wwffaustralia 20

Int\_Mus

LTspice 99+

barrettqmac

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## Keith Roget Memorial National Parks Award

Restricted Group, 76 members

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### : Two Grand Slam Awards a...

Hi Tony, Thanks to you and all the others on this forum for your very kind words, but it has to be said that it was you, Tony, who introduced Julie and me to vk3ysp • 12:48 am • #1560

### : Two Grand Slam Awards a...

Congratulations, Joe and Julie!! xoxo You guys certainly get out there promoting the hobby and because of you both, I started taking an active interest in geobutterfly79 • 10:30 pm • #1559

### : Two Grand Slam Awards a...

Congratulations Julie and Joe, what an effort, well done. You both certainly contributed to mine, and no doubt many others, achieving various KRMNPA hunter vk5av • 7:53 pm • #1558

### : Two Grand Slam Awards a...

Hi all, Two very worthy recipients. Congratulations Julie and Joe. Cheers, Paul, VK5PAS. vk5pas • 5:47 pm • #1557

### Re: Two Grand Slam Awards a...

Hi Julie and Joe Congratulations to you both. It is a great achievement and I always like having contacts with you both and you have enabled me to add quite a John Dawes • 1:07 pm • #1556

### Re: Two Grand Slam Awards a...

Congratulations Julie and Joe! It has been a pleasure working you from many parks and meeting both of you at various places during your journeys. 73 Peter Peter Fraser • 12:27 pm • #1555

### Trending Topics [See All](#)

- Two Grand Slam Awards achieved! 7 Posts
- Activation Weekend update on A... 10 Posts
- Delete Lke Eildon, Insert... 4 Posts
- St Arnaud 14 Posts
- Terrick Terrick NP activation 4 Posts

## 2016 Subaru WRX

Our Best WRX Yet! Test Drive It's Raw Power For Yourself.



Yahoo Groups for KRMNPA/SOTA/WWFF/IMW etc





[VK Spots](#) [VK Alerts](#) [VK History](#) [VK WWFF](#) [KRMNPA](#) [SANPCPA](#) [VK QRP](#) [VK Summits](#) [VK Parks](#) [Help](#)

## [KRMNPA](#) Status

Last Update - Tue, 18 Aug 2015 0:50 UTC - Tue, 18 Aug 2015 10:50 AEST

You are logged in as VK3YSP. Local SOTA Spots. All Audio Alerts.

[Add Spot](#) [Delete Spot](#) [Add Alert](#) [Edit Alert](#) [Edit User Data](#) [Logout](#)

Solar-Terrestrial Data		
17 Aug 2015 2159 GMT		
Calculated Conditions		
Band	Day	Night
80m-40m:	Poor	Fair
30m-20m:	Fair	Fair
17m-15m:	Poor	Poor
12m-10m:	Poor	Poor
<a href="http://www.n0nbh.com">http://www.n0nbh.com</a>		
Copyright Paul L. Herriman 2011		

## Active Blogs

[VK1DA](#)  
[VK1EM](#)  
[VK1NAM](#)  
[VK2IO](#)  
[VK2JI](#)  
[VK3ARR](#)  
[VK3HN](#)  
[VK3HRA](#)  
[VK3IL](#)  
[VK3YY](#)  
[VK5BJE](#)  
[VK5PAS](#)

## VK Groups

[VKCW.net](#)  
[VK QRP Club](#)  
[SOTA Australia](#)  
[SOTA VK1](#)  
[SOTA VK2](#)  
[SOTA VK3](#)  
[KRMNPA](#)  
[SANPCPA](#)  
[WWFF](#)

## Links

[Space Weather](#)  
[SOTAWatch](#)  
[SOTA Mapping Project](#)

## Current KRMNPA Activity

### Upcoming KRMNPA Activity

Thu, 15 Oct 2015 Afternoon VK3VTH/P on 7.105 SSB in Lower Goulburn NP

Sat, 14 Nov 2015 Afternoon VK3VTH/P on 7.105 SSB in Alfred NP Activation weekend

Sat, 14 Nov 2015 Morning VK3VTH/P on 7.105 SSB in Coopracambra NP Activation weekend

Sat, 14 Nov 2015 Afternoon VK3PMG/P on 7.100 SSB in Little Desert NP

Sat, 14 Nov 2015 Morning VK3FQSO on 7.100 SSB in Kara Kara NP

Sat, 14 Nov 2015 All Day VK3BYD/P on 7.032 SSB in Burrowa-pine Mountain NP also sota trip, Sat and Sun check for updates on sota watch

Sat, 14 Nov 2015 All Day VK3YSP/P on 7.095 SSB in French Island NP

Sat, 14 Nov 2015 All Day VK3FOWL on 7.095 SSB in French Island NP

Sat, 14 Nov 2015 Morning VK5PAS/3 on 7.144 SSB in Port Campbell NP KRMNPA Activation Weekend. Also VKFF-420

Sun, 15 Nov 2015 Afternoon VK3PMG/P on 7.100 SSB in Grampians NP

Sun, 15 Nov 2015 Morning VK3VTH/P on 7.105 SSB in Croajingolong NP Activation weekend

Sun, 15 Nov 2015 Afternoon VK3VTH/P on 7.105 SSB in Lind NP Activation weekend

Sun, 15 Nov 2015 All Day VK3YSP/P on 7.095 SSB in French Island NP

Sun, 15 Nov 2015 All Day VK3FOWL on 7.095 SSB in French Island NP

ParksNPeaks Website by Allan VK3HRA





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This page refreshes every 1 minute. Last updated **00:53:00** UTC.

## Latest Spots

>> [more spots](#)

- Tue 00:42 WOMNA & WOERI** on [WOM/SF-001](#) **7.190 ssb**  
 QRT. May come back later yet this day. (Posted by WOMNA)
- Tue 00:35 WOMNA & WOERI** on [WOM/SF-001](#) **7.190 ssb**  
 Please work us both. (Posted by WOMNA)
- Tue 00:22 WOMNA & WOERI** on [WOM/SF-001](#) **14.347 ssb**  
 Please work us both. (Posted by WOMNA)
- Mon 23:11 N5YAV** on [W4A/PT-001](#) **14.346 ssb**  
 McCoy calling CQ (Posted by KC3RT)
- Mon 22:42 WBOUSI/P** on [W7N/ES-093](#) **14.0615 cw**  
 QRT got enough - conditions poor THANKS CHASERS !!! (Posted by WBOUSI)
- Mon 22:38 IW2NHE** on [EA8/TF-001](#) **14.285 ssb**  
 From 18/08 at 9 utc +/- 1 h (Posted by IW2NHE)

## Upcoming Activations

>> [more alerts](#)

- Tue 00:45 WOMNA & WOERI** on [WOM/SF-001](#) **14.347-ssb, 7.190-ssb**  
 Work us both, please. (Posted by WOERI)
- Tue 02:30 VK1VIC** on [VK1/AC-037](#) **146.500-fm**  
 First activation (Posted by VK1VIC)
- Tue 08:15 GW8XYJ** on [GW/MW-028](#) **144-ssb, 145-fm**  
 Time +/- 30 mins (Posted by G8XYJ)
- Tue 08:30 G0EVV/P** on [G/NP-023](#) **7.033-cw, 7.118-ssb, 5.398-ssb, 10.118-c**  
 (Posted by G0EVV)
- Tue 09:00 M0FMF/P** on [G/SC-???](#) **14-cw, 18-cw, 7-cw, 7-ssb**  
 more SC summits, (Posted by M0FMF)
- Tue 09:30 CT2JLS/P** on [CT/BT-008](#) **7.188-ssb, 14.288-ssb, 145.525-fm**  
 (Posted by CT2JLS)

## Reflector Latest

### [SOTA NEWS AUG 2015 Part 2](#)

by G4SSH, #3 by G4YSS, 15days ago

### [SOTA NEWS AUG 2015 Part 1](#)

by G4SSH, #2 by G0VOF, 17days ago

### [SOTA during geomagnetic storm](#)

by KXOR, #14 by M0FMF, 6hrs ago

### [SOTA Map not working](#)

by YO2MSB, #50 by MW0WML, 4hrs ago

### [YO/xxx](#)

by SP9AMH, #15 by G8ADD, 5hrs ago

### [F/AM-697 : Many thanks to Mik](#)

by JG1XMV, 6hrs ago

### [Visit to Belgium, Germany, Cze](#)

by MW0WML, #2 by G6TUH, 8hrs ago

### [2 new video EC2AG](#)

by EC2AG, 10hrs ago

### [Jürg, HB9BIN passed 5000 acti](#)

by HB9BQU, #21 by HB9BIN, 10hrs ago

### [Holiday EC2AG&BEGO Report p](#)

by EC2AG, #2 by G6TUH, 11hrs ago

### [August 2015 E7/BO activations](#)

by S54MTB, 12hrs ago

### [G4YSS: Planned Pen-y-Ghent G](#)

by G4YSS, #2 by G4SSH, 13hrs ago

### [Advising needed for 14 mhz gp](#)

by EA2CW, #26 by OZ1LQO, 13hrs ago

>> [more topics...](#)

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# International Museums Weekends 2015

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## List of registered Museums

### The list of Museums which have so far registered for IMW 2015

Please Note: If you have a Web link to your own club or museum, we can include it within the list on this page, if you fill in either or both of the Web link entries in your registration form.

Map of Registered Stations

Entry	Callsign	Museum	Dates	Town	Locator	Freq/Modes	Operators
5002	GB0SNB	<a href="#">Secret Nuclear Bunker</a>	1+2 3+4	Brentwood/ Ongar	JO01DQ	HF VHF	<a href="#">B.R.E.S.</a>
5008	GB2PPS	<a href="#">Papplewick Pumping Station</a>	3	Mansfield	IO93KB	HF	<a href="#">Mansfield ARS</a>
5013	GB0YAM	<a href="#">Yorkshire Air Museum</a>	1+2 3+4	York	IO93MW	HF CW AM	<a href="#">DVARs</a>
5014	GB2MOF	<a href="#">East Fortune Museum of Flight</a>	1+2	Haddington	IO85PX	HF	<a href="#">Cockenzie &amp; Port Seton ARC</a>
5016	GB2NWA	<a href="#">North Weald Airfield</a>	1+2 3+4	North Weald	JO01BR	HF VHF	<a href="#">LEFARS</a>
5021	GB2OWM	<a href="#">Orkney Wireless Museum</a>	3+4	Kirkwall	IO88MX	HF	<a href="#">GM3IBU</a>
5023	GB2NAM	<a href="#">North East Aircraft Museum</a>	1+2	Nr. Sunderland	IO94GW	HF VHF	<a href="#">B. Aucklnd. RAC</a>
5024	GB2CPM	<a href="#">Amberley Museum &amp; Heritage Centre</a>	1+2 3+4	Arundel, Sussex	IO90RV	HF	<a href="#">Amberley Museum's ARC</a>
5026	GB4SMH	<a href="#">RAF Signals Museum</a>	1+2 3+4	Hitchin Herts	IO92UA	HF	<a href="#">RAF Henlow ARC</a>
5038	GB2RN	<a href="#">HMS Belfast</a>	1+2 3+4	London	IO91XM	HF VHF CW	<a href="#">RNARS (Affiliated) London (HMS Belfast) Group</a>
5066	GB0HMG	<a href="#">Harlow Museum</a>	1+2 3+4	Harlow	JO01BS	HF VHF CW PSK	<a href="#">Harlow &amp; DARS</a>
5071	GB0RMM	<a href="#">Royal Marines Museum</a>	3+4	Portsmouth	IO90LS	VHF CW	<a href="#">Horndean &amp; DARC</a>
5077	GB2POW	<a href="#">Eden Camp</a>	1+2 3+4	Malton	IO94OD	HF VHF CW E	<a href="#">Peterlee ARC</a>
5093	GB2ATM	<a href="#">East Anglia Transport Museum</a>	1+2	Lowestoft	JO02TK	HF VHF	<a href="#">Lowestoft District &amp; PYE ARC</a>
5099	GB0FP	<a href="#">Fort Paull</a>	1+2 3+4	Hull	IO93VR	HF VHF PSK	<a href="#">Humber Fortress DX ARC</a>
5109	GB0BAB	<a href="#">Burtonwood Air Base Museum</a>	3+4	Warrington	IO83QJ	HF VHF	<a href="#">Warrington ARC</a>
5124	GB8CC	<a href="#">Conisborough Castle</a>	1+2 3+4	Doncaster	IO93JL	HF VHF CW IRLP	<a href="#">Mexborough &amp; D.A.R.S</a>
5134	GB0APS	<a href="#">Abbey Pumping Station Museum</a>	3+4	Leicester	IO92KP	HF SSTV	<a href="#">Leicester RS</a>
5166	GB2RRM	<a href="#">Ramsey Rural Museum</a>	3+4	Ramsey, Cambridgeshire	IO92WK	HF VHF CW	<a href="#">Huntingdonshire ARS</a>
5167	GB2MOP	<a href="#">Internal Fire Museum of Power</a>	1+2 3+4	Cardigan, Wales	IO72SC	HF VHF CW	<a href="#">GW7EUL (Mike)</a>
5179	GB4WWM	<a href="#">Wellesbourne Wartime Museum</a>	2, 4	Wellesbourne, Warwick	IO92DE	HF	<a href="#">G0MRH</a>
5180	GB2MKM	<a href="#">The Milton Keynes Museum</a>	1+2	Milton Keynes	IO92OB	HF	<a href="#">M1EPM</a>

International Museums Weekend Website





Details

Last Updated on Tuesday, 18 August 2015 00:48

Published on Friday, 12 June 2015 11:08

Hits: 1413



## 19th ANNUAL INTERNATIONAL LIGHTHOUSE/ LIGHTSHIP WEEKEND

0001 UTC 20th AUGUST 2016 TO 2400 UTC 21st AUGUST 2016 (48 hours or part thereof).

OFFICIAL LIST OF ENTRANTS - 2016 Total= 42

Contact event organizer, (Kevin VK2CE): [Click here](#). Google Earth File: [download here](#):

ILLW Lighthouse/Lightship numbers are: [HERE](#). See also the "Guidelines" about Numbers. Callsign Lookups:[HERE](#)

Event Spotter Page: [Here](#).

Country	Call	Lighthouse Name	ILLW No.	QSL Route and other info.	Web
Argentina	LU6DM	Faro Punta Medanos	AR0012	Direct +SASE see web site or <a href="#">QRZ.com</a>	<a href="#">Web</a>
Argentina	LU9JMG	Stella Maris	AR0020	SASE Juan Peron 205 Concepcion del Uruguay Entre Rios 3260	
Argentina	LW3DSR	Querandi	AR0034	PO Box 265, CP7600. See web site	<a href="#">Web</a>
Australia	VK2ATZ	Norah Head	AU0024	Buro (Westlakes ARC)	<a href="#">Web</a>
Australia	VK3DX	Lady Bay Upper & Lower	AU0049-96	<a href="#">QRZ.com</a>	<a href="#">Web</a>
Australia	VK3IH	Cape Liptrap	AU0037	Buro or direct.	
Australia	VK3ILH	Cape Wickham, King Island	AU0082	QSL manager VK3CAM via buro	
Australia	VK3SPL	Split Point lighthouse	AU0032	Buro	<a href="#">Web</a>
Australia	VK3VTH /7	Currie Light, King Island	AU0016	Buro	

# International Lighthouse and Lightship Weekend Website





# World Wide Flora & Fauna LogSearch

[Home \(Search\)](#) | [My Awards](#) | [Top Operators](#) | [Reference Report](#) | [Who's Who](#) | [FAQs](#)

## WWFF Log Search



For discussion, activation alerts or to report any problems or make suggestions in the [WWFF Forum](#)

### Service Status

2015-07-27: Spanish Activator and Hunter awards, EAFF-A and EAFF-H, now available through LogSearch!

2015-05-26: Release v1.00-00 of [an Excel template for CSV log files](#) can be downloaded.

Activators please check your stats for any missing activation logs... and let us have any missing ones!

### Login Successful!

Welcome back.

### Search Logs

#### Logsearch Callsign

Callsign:

☒ Hunter ☐ Activator

Display:

Note: search will include any suffixes (eg /A, /M, /P etc)

### Latest Awards Issued

#### Last 25 awards issued

Award	Callsign	Awarded
SPFF-H-414	9A4FM	2015-08-17
WWFF-H-44	DF2AJ	2015-08-17
WWFF-H-2244	ON5SY	2015-08-17
SPFF-H-36	YO2ADQ	2015-08-17
WWFF-H-4444	ES1IP	2015-08-17
SPFF-H-804	SP1MVG	2015-08-17
WWFF-H-352	SA5BVE	2015-08-17
OEFF-H-Bronze	HA0ML	2015-08-17

### Latest Log Uploads

#### Last 25 uploads

Upload	Activity Dates	Reference	Callsigns
2015-08-17	2015-07-10 - 2015-08-16	<a href="#">YUFF-003</a>	YT2AZD/P
2015-08-17	2015-08-16 - 2015-08-17	<a href="#">EAFF-127</a>	EA5KB/P
2015-08-17	0000-00-00	<a href="#">OKFF-0813</a>	OK1IN/P
2015-08-17	2015-07-11 - 2015-07-26	<a href="#">OKFF-0021</a>	OK1IN/P
2015-08-17	2015-07-25 - 2015-07-26	<a href="#">OKFF-0021</a>	OK1IN/P
2015-08-17	2015-08-06	<a href="#">OKFF-0068</a>	OK1HCG/P
2015-08-17	2015-08-11	<a href="#">OKFF-0988</a>	OK1XZ/P
2015-08-17	2015-08-07 - 2015-08-09	<a href="#">OKFF-0371</a>	OK1XZ/P

World Wide Flora & Fauna LogSearch Website



# Share it

- Pre-arrange mobile and night-time QSO schedules with your buddies
- Use APRS to regularly broadcast your GPS location to others
- Have QSOs on the way: It reduces fatigue, shortens the trip and lets everyone know your ETA.
- Call in on local repeaters. See who is about and let them know where you are heading.
- Create your own following and share the fun with everyone



**Cobboboonee  
National Park**

*"Ngatsoowar warroo pa lakay teen Gundijmara mirring"*  
(Welcome brothers and sisters to Gundijmara Country)

*Welcome*

PARK INFORMATION 13 1963



Department of  
Parks



**KRMNPA Road Trip: 45 parks in 18 days and 5,500kms**





HF/VHF/UHF/4G/GPS/APRS





Typical National Park campsite: OCF dipole at 15m





Quick activation at Wyperfeld NP



# Enjoy it

- The long journey there and back is just as important as the short portable operation
- Leave early, refreshed, and don't be in a hurry to get there
- Think about where you are, not just where you want to be. Enjoy the moment.





An NPN Junction



A Gum Tree





# Enjoy it

- Take the scenic route, visit a lookout, have a picnic, smell the roses
- Play I-Spy, sing songs, stop for geocaching, especially with the kids
- Practice your SOTA and DX code of conduct procedures on the air





Taking the scenic route...





4WD Track Closed

...Damn it!



# Enjoy it

- Operate calmly; work the pile up first, then QSY to have a rag-chew with your mates
- Stay QRV for the afternoon if you can, try different bands and modes. Make a snack and boil a billy.
- Camp overnight, work some rare DX without all of the city QRN
- Wake up early, go fishing or bushwalking and checkout the surrounding area





Heading off on a amateur radio fishing trip





Portable operation at Lake Jindabyne NSW





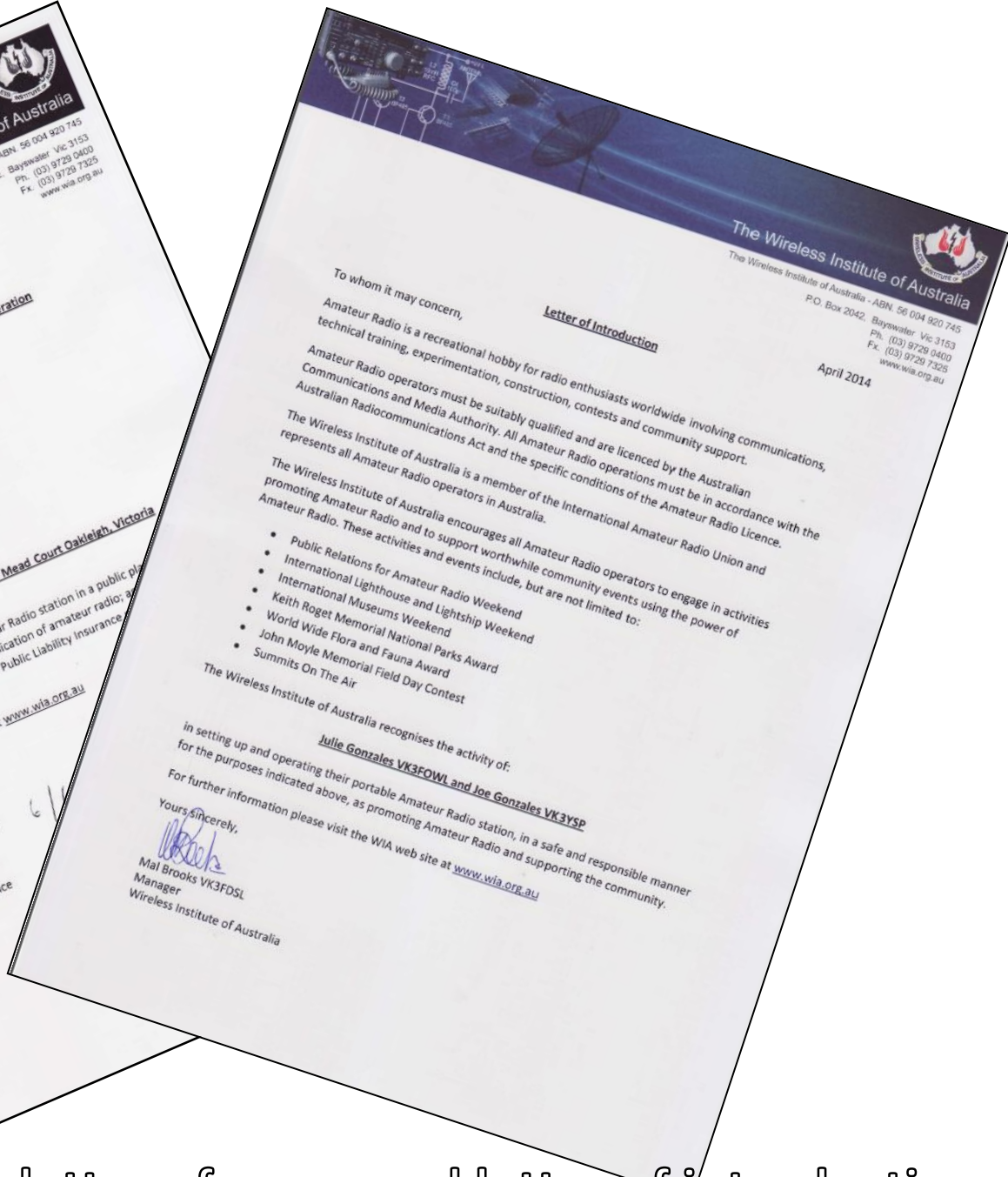
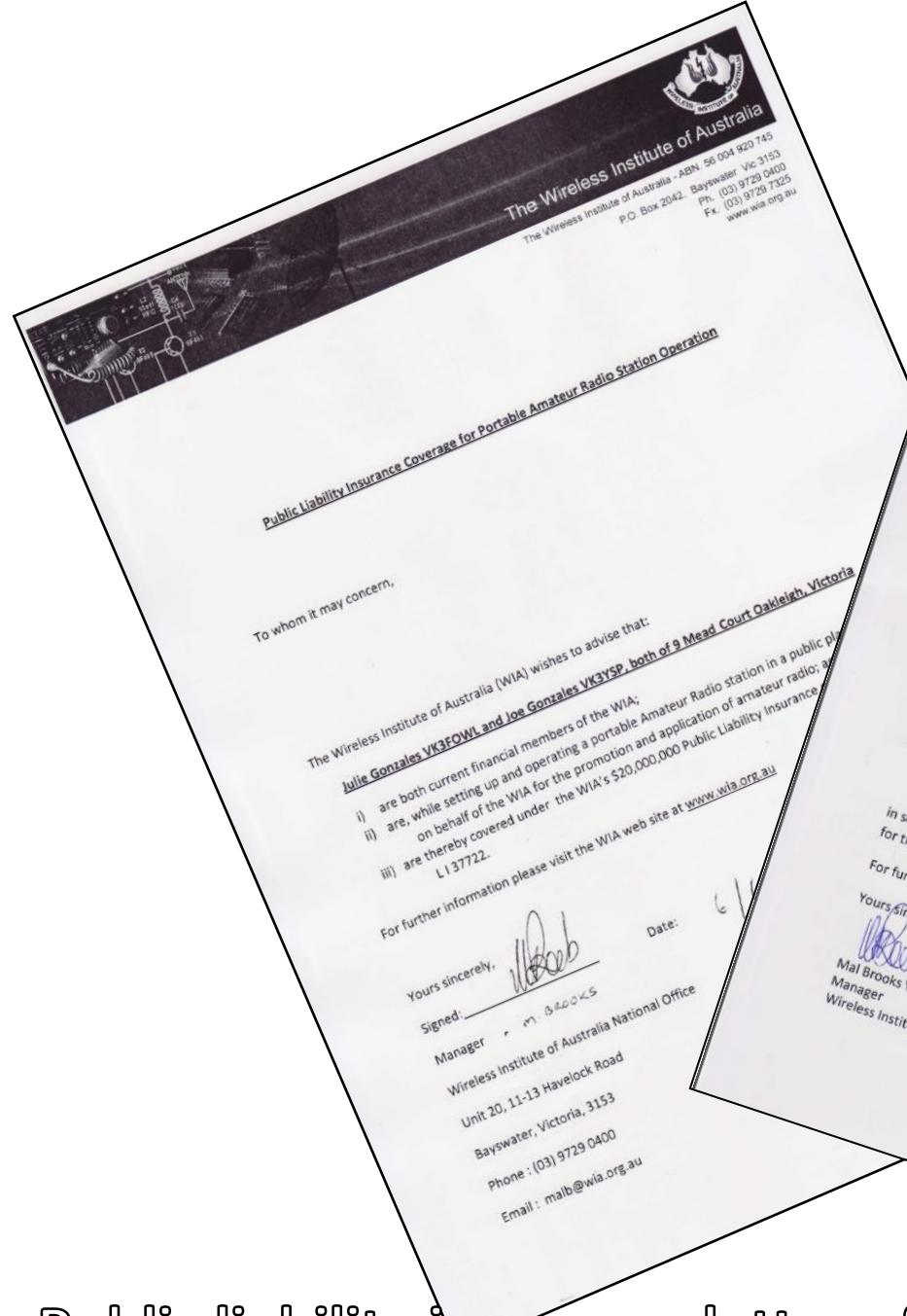
Maritime Mobile at Blue Rock Lake Vic



# Be responsible

- Get a signed Letter of Introduction from your club
- Check your club's Public Liability Insurance
- Get a copy of the club's Certificate of Cover. Some venues will mandate it.
- Drive and park your vehicles responsibly. Close all gates. Don't scare animals or disturb the peace.





Public liability insurance letter of cover and letter of introduction



# Be responsible

- Apply for a council permit – check the by-laws for the setting up of stalls and the placing of signage
- Make a courtesy call to the property owners when you arrive on the site
- Get the property owners to sign a permission certificate, waiving their responsibilities of course





MUSEUM VICTORIA MELBOURNE MUSEUM  
SCIENCE WORKS IMMIGRATION MUSEUM  
ROYAL EXHIBITION CENTRE

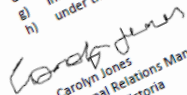
15 May 2015

JOE GONZALES, VK3YSP  
9 MEAD COURT  
OAKLEIGH, 3166

Dear Mr. Gonzales,

Museum Victoria has no objection to you conducting the following activity:

- a) The setup and operation of one (1) self-contained, mobile, Amateur Radio station;
- b) in the parkland adjacent to the entrance of the Melbourne Museum, at 9 Nicholson St Carlton;
- c) for the purpose of promoting the Museum at the Amateur Radio International Museum Weekend;
- d) on the weekends of 20-21 June 2014 and 27-28 June 2015;
- e) from 9am to 9pm local time;
- f) using the name, address and images of the Museum, on web sites and news bulletins, for this event;
- g) including the dissemination of Museum brochures and event information;
- h) under the condition that Museum Victoria accepts no liability whatsoever for this activity.

  
Carolyn Jones  
External Relations Manager  
Museum Victoria  
GPO Box 666  
Melbourne VIC 3001



**Borough of Queenscliffe**  
Queenscliff & Point Lonsdale, Victoria, Australia

## LOCAL LAWS PERMIT

(Local Law No.2, 2010 Clause 14)

25 May 2015

Permit No: **621**

**Permit to Erect a Booth or Stall**

Responsible Person:


**Joseph Gonzales**  
9 Mead Court  
OAKLEIGH 3166

LOCATION: **Ocean View Car Park**  
**International Lighthouse/Lightship Weekend**

**This permit is valid from 14/08/2015 until 16/08/2015**

**Permit Conditions:**  
This permit must be available upon the request of an authorised officer.

This permit applies only to the Borough of Queenscliffe.  
A person must not behave on Council land in a manner which causes interference with the quiet enjoyment by any other person using Council land or living in close proximity to Council land.  
A person must not behave on Council land contrary to any conditions or signs that contain conditions applying to the use of Council land or contrary to any direction of an authorised officer.  
Council or its authorised officer reserves the right to revoke this permit at any time.  
No Local, State or Federal Law is to be contravened.  
Camping on-site is not permitted.  
Set up as per application details.  
No directional signs to be placed remotely from area of usage.

  
Steve Nelson  
Law Enforcement Officer

50 Learmonth Street (PO Box 93)  
Queenscliff, Victoria, 3225

This permit must be kept with the responsible person at all times whilst in use.

P 03 5258 1177  
F 03 5258 3315

E info@queenscliff.vic.gov.au  
www.queenscliff.vic.gov.au

ABN 47 294 157 406

Letter of permission and council permit



# Be responsible

- Conduct setup and operations professionally and safely
- Set up your station in plain view but away from public thoroughfares
- Observe Total Fire Ban restrictions and all signs
- Leave the site as you found it, or even better: Bring along a garbage bag and clean up any litter





Be seen, but don't get in the way or obstruct the view



# Be safe

- Tell others where you are going and when you intend to return
- Bring adequate clothing, hats, sunscreen, maps and a first-aid kit
- Check the weather forecast and the weather radar
- Get a hands-free mobile kit for operating in the car





Safety gear: Hats, sunscreen, headlamps, first aid kit



# Be safe

- Have a break on long trips, share the driving, stop for coffee and a snack
- Avoid storms, lightning, bushfires, camp fires, falling branches, snakes and cliffs
- Exercise great caution with batteries especially LiPo and LiFePo<sub>4</sub>.
- Read battery warnings carefully. Don't short, overcharge or over discharge any battery.





Storm damage during JMMFDC



# Be safe

- Pack portable batteries carefully. Don't carry them in your pockets. Don't drop them.
- Don't compromise the integrity of your car firewall or its electrical wiring
- Connect direct to your car battery via your own fused cables. Keep them away from hot surfaces.
- Use lightning protection, grounding and heavy ground cables





Ground rod connected to lightning arrester



# Be safe

- Use overcurrent protection on your auxiliary battery to avoid car fires
- Avoid tripping, electric shock and EMR hazards
- Use caution tape and keep-out signs around your guywires and pegs
- Lock your car, remove your valuables and hide your stuff from view if you leave the campsite





Safety First!



# Be heard

- There is not much point going portable and/or QRP if no-one can hear you.
- You often have a low-noise receive advantage, but a low-power transmit disadvantage
- Carefully consider your frequency, TX power, mode, antenna type, time of day and propagation
- The easiest solution is to bring along the best antenna you can carry, and to rig it well





Flat-top antenna using squid poles



# Be heard

- Rig antennas in a clear area as high as possible using masts, squid poles or available trees
- You can get up to 9m with a mast or squidy or up to 20m with a line launcher and available trees
- A flat-top centre-fed dipole is 3db better than an inverted V or an end-fed at the same height
- Resonant single band antennas are always better than non-resonant multi band antennas








Self supporting squidpoles for a lightweight, flat-top dipole



# Be heard

- Use parallel line and an ATU on non-resonant antennas, or thin coax line on resonant antennas
- Try CW or digital modes
- Experiment with bands, operating times, antennas and propagation at home before you go
- Combine awards like KRMNPA and WWFF with other contests and be spotted on the DX cluster



<div> <div> <div> <div></div> <div></div> <div></div> <div></div> </div> <div>Telstra</div> <div>9:19 pm</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div> </div>		
Spot	DXCluster	
1108	heard in PA	
IZ8NWA	14200.0	IB0/IZ8NWA
1109	iota eu-045 wail la-005	
IK8TEO	14013.1	6V7S
1109	up 1	
R4CA	7011.0	HT5T
1110		
K4ED	7202.5	W1AW/4
1111	Calling CQ; lonely	
PE2K	14070.7	RL70BO
1112	BPSK63	
JR1GJP	7011.7	HT5T
1113	cq	
IZ1UJE	14260.0	OH2YOTA
1113	op. Jindra YOTA	
MM0XXW	14260.0	EI8EM
1115	swl 59 hr	
RM6J	14180.0	RN3F/1/M
1117	RDA NV-06 now	
I7WAN	7062.0	IT9CKW
1117	tnx	
<div> <div>  <div>DXCluster</div> </div> <div>  <div>Alarm</div> </div> <div>  <div>Filters</div> </div> </div>		

DXCluster app



# Be seen

- Don't be embarrassed by Amateur Radio – It is a great hobby and people are genuinely interested
- Actively meet and greet onlookers: Spend some time educating them about Amateur Radio
- Introduce Amateur Radio as a rewarding, fun, friendly and easy to join activity for everyone
- Explain what you're doing, today, and who you are talking to. Keep them interested, don't be pushy.
- Explain the basic equipment and antennas needed; Also clubs, meetings, hamfests, contests etc.





International Museums Weekend at Melbourne Museum





An Amateur Radio interactive museum exhibit!



# Be seen

- Provide an on-air experience: “Would you like to press this button and say hello to John on the air?”
- Display a world prefix map, a Morse key, AR magazines, a WIA poster, a FAQ sheet and pictures
- Handout WIA brochures and foundation course dates and contact details
- Talk to park rangers. Explain you’re promoting the parks and the environment using Amateur Radio.



Become part  
of a global community

# "Calling CQ..."

Open a whole new world!

- Make Amateur Radio contacts with people world-wide
- Develop new and interesting friendships
- Experiment with the latest communications technologies
- Take it with you in your car or boat
- Or just have a chat

Amateur Radio goes where you go: QW, camping, sailing, just about anywhere. Ideal for school activities and scouting. Enjoyed by people of all ages.

## Become a Radio Amateur

Get involved with Amateur Radio today, weekend training courses and the "Your Entry into Amateur Radio" training manual will guide you through everything you need to know. Many Radio clubs run courses.

Go to [www.wia.org.au](http://www.wia.org.au) for more information.

**100 YEARS**  
Wireless Institute of Australia  
100 Years Celebrating 100 Years  
PO Box 1044, Alexandria NSW 1535  
Australia  
[radio@wia.org.au](mailto:radio@wia.org.au)  
[www.wia.org.au](http://www.wia.org.au)



PR4AR setup at Bunnings





Simultaneous HF/VHF/UHF voice and data modes



## AMATEUR RADIO FREQUENTLY ASKED QUESTIONS

### What on earth are you doing?

This is the most frequent question we get asked when operating our Amateur Radio station in a public place. It would be tempting to answer "Searching for Extra Terrestrial", or "Detecting Paranormal Phenomena". Certainly this description fits the picture of the strange equipment, antennae and the weird sounds emanating from the station. The simple and honest answer is: "We're just having fun using our Amateur Radios to make new friends"

### What is Amateur Radio?

It's a way to have fun and make friends with lots of people from all walks of life from all over the world. It's a licence to have a conversation with anyone, on an equal footing, without any introductions. You just pick up the mic and go!

### How do you meet people on Amateur Radio?

You can have a casual on-air conversation with any Amateur Radio operator anywhere. However, some will soon become your best buddies and then you'll want to chat with them every Tuesday night, meet them face to face, have BBQs, swap radio gear, go to Hamfests together, introduce your children to their children etc, etc... It gets a bit complicated from there on in. But that's life, I guess.

### Isn't Amateur Radio just for nerds?

Amateur Radio is both fun and technically challenging. Amateur Radio is for anybody who wants to have fun on the air with radios. You can talk all about your pets, your garden, your motor bike or your mortgage. But you will also hear serious technical conversations about transmitters, antennas and something called "ionospheric propagation". There is actually a lot of technology "under the covers" in Amateur Radio. Your Amateur Radio licence will ensure you know enough about Amateur Radio to operate your station safely and responsibly. From then on, it is up to you to decide how technical things get. And, yes, if you are a nerd, Amateur Radio is for you too!

### Isn't Amateur Radio out of date?

Not at all. Amateur Radio is using new technologies and techniques all the time. Amateur Radio is always evolving. Not so long ago we were all using vacuum tubes, now we're into Software Defined Radios. Keep up with the latest technologies. Get into Amateur Radio today.

### Isn't Amateur Radio boring?

Never. There are always new people to meet and new things to do. Even our shortwave bands have lots of interesting things going on. For example: "Today it was good to talk to Tony in New Zealand. But this evening I'll try to bounce my signals off an aircraft or a meteor shower."

### Is Amateur Radio a sport?

Actually it is! There are lots of friendly local and international contests. Tomorrow I think I'll try to bounce my signals off an aircraft or a meteor shower. Just to see how it goes.

### Is Amateur Radio challenging?

Well, how about making a contact with someone 10,000 miles away? Or working from home, some while camping in New Zealand? Or making a contact with someone 10,000 miles away? Or making a contact with someone 10,000 miles away?

### Is Amateur Radio for Blokes?

Definitely. How else can you chat with all your mates about their new weekend Amateur Radio project, making up your own Amateur Radio station, or get them all to come over for a coffee?

### Is Amateur Radio for Sheilas?

Absolutely. Join the Australian Ladies Amateur Radio Club. Successfully fight off a "dog" who's been bothering the other "Ladies". Successfully fight off a "dog" who's been bothering the other "Ladies".

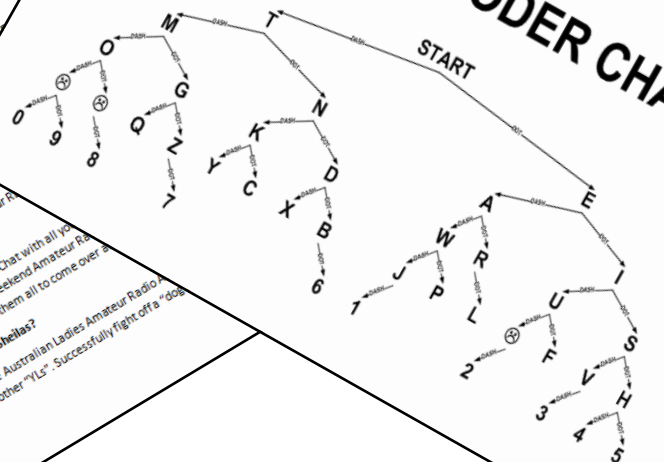
## INTERNATIONAL MORSE CODE

LETTERS		NUMBERS	
A	· — · —	1	· — — —
B	— · — —	2	· · — —
C	— — · —	3	· · · —
D	— · — ·	4	· · · ·
E	· — — —	5	· · · · ·
F	· — · —	6	— · · · ·
G	· — — ·	7	— · · ·
H	· · — ·	8	— · · ·
I	· · — —	9	— · · ·
J	· — — ·	0	— — · · ·
K	— · — ·		
L	· — · —		
M	— — · —		
N	— · — —		
O	— — — —		
P	— · — ·		
Q	— — · ·		
R	· — — ·		
S	· · — —		
T	— — — ·		
U	· · — —		
V	· · · —		
W	· — — ·		
X	— · — ·		
Y	— · — —		
Z	— — — ·		

CAN YOU SPELL YOUR NAME IN MORSE CODE?  
WHAT DOES THIS SAY?



## MORSE DECODER CHART







Amateur radio books, magazines, brochures and cards





**FIRE PREVENTION WORKS**  
CURRENTLY UNDERWAY IN THE PARK

PARK INFORMATION 13 1963 [www.parkweb.vic.gov.au](http://www.parkweb.vic.gov.au)

**Healthy Parks**  
Healthy People

**Parks**  
VICTORIA

**Dandenong  
Ranges**  
National Park

*Welcome*

PARK INFORMATION 13 1963

**Parks**  
VICTORIA

2 Mt Dandenong C403  
SkyHigh Mount Dandenong

Being seen in the Dandenong Ranges National Park





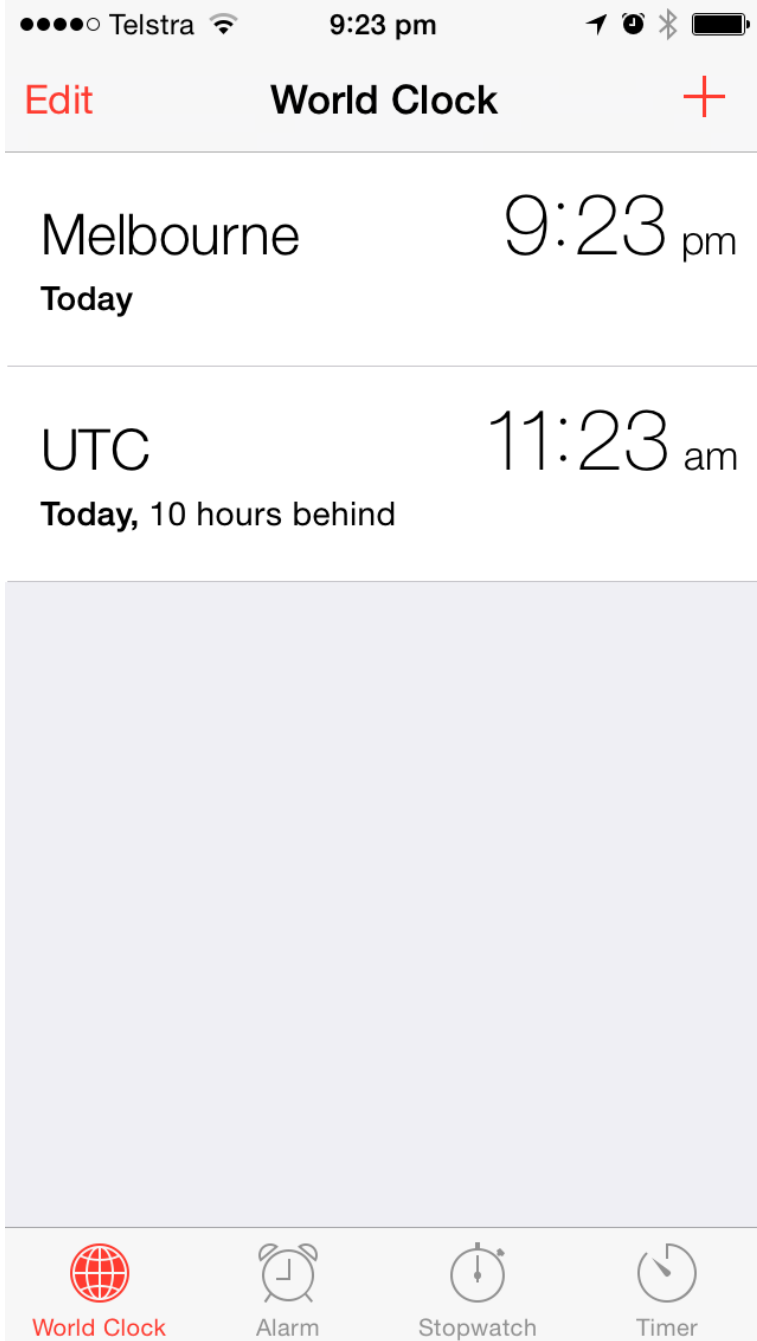
Being seen on the International Lighthouse and Lightship Weekend



# Be smart

- Use a mobile network and your smartphone apps for everything else including...
- Make emergency calls, phone calls, send and receive via SMS, E-Mail, Skype, EchoLink
- Get the date and time (in UTC). Find your scheduled appointments and contacts.
- Check the weather forecast, weather radar and bushfire alerts (FireReady)





Time and Weather Apps





# Be smart

- Use notes for your checklists and itineraries. Keep detailed notes on what worked and didn't work.
- Locate yourself and navigate with GPS, Google Maps and broadcast your position with APRS
- Find nearby repeaters and IRLP nodes. Run BPSK31 from your phone.
- Use a logbook app to store and upload your QSOs to QRZ or eQSL or LOTW



Telstra 9:32 pm 85%

 VK3FOWL's Log 

CONTACTS (8)

**07/06/2014 05:12 GMT** >  
VK2QR 7.118 SSB

**07/06/2014 02:31 GMT** >  
VK3VTH 7.085 SSB

**07/06/2014 01:39 GMT** >  
VK1EM 7.090 SSB

**07/06/2014 01:06 GMT** >  
VK1NAM 7.100 SSB

**07/06/2014 00:57 GMT** >  
VK2QR 7.085 SSB

Search Sort Tools

Telstra 9:32 pm 85%

Cancel 2 of 8 Save

2014-07-06 02:31:01 +0000 Now

7.085 SSB

VK3VTH Look up

SRST: 59 RRST: 58

Tony Hambling

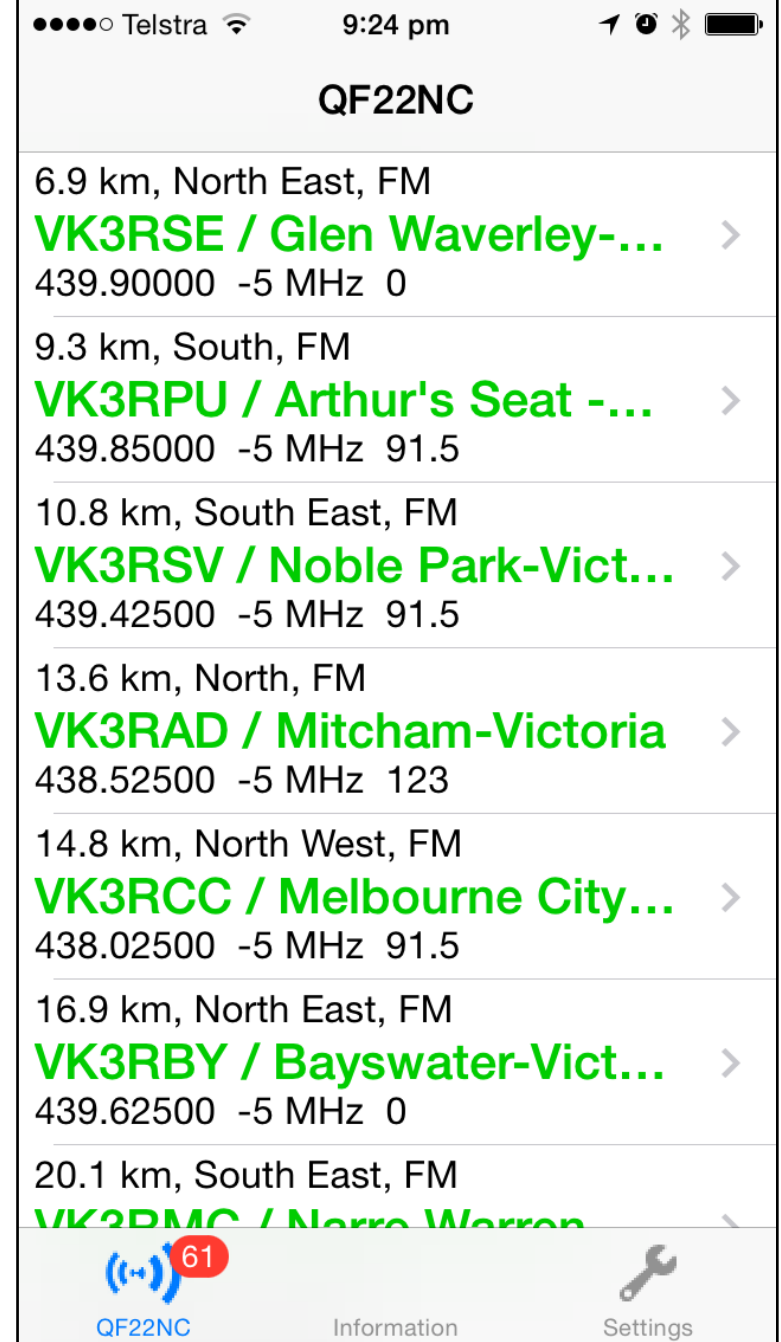
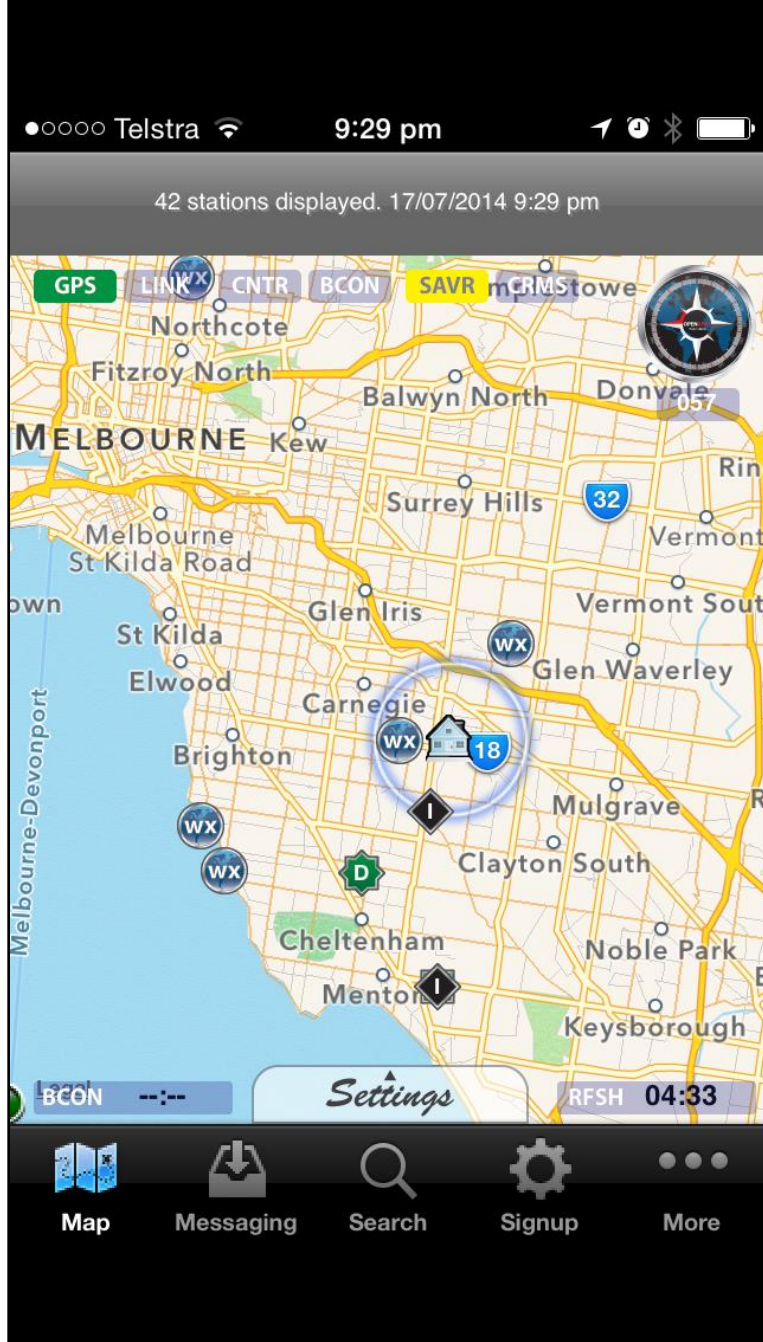
VK3FOWL PWR: 10

TARRA-BULGA NATIONAL PARK

Tools

Logbook App





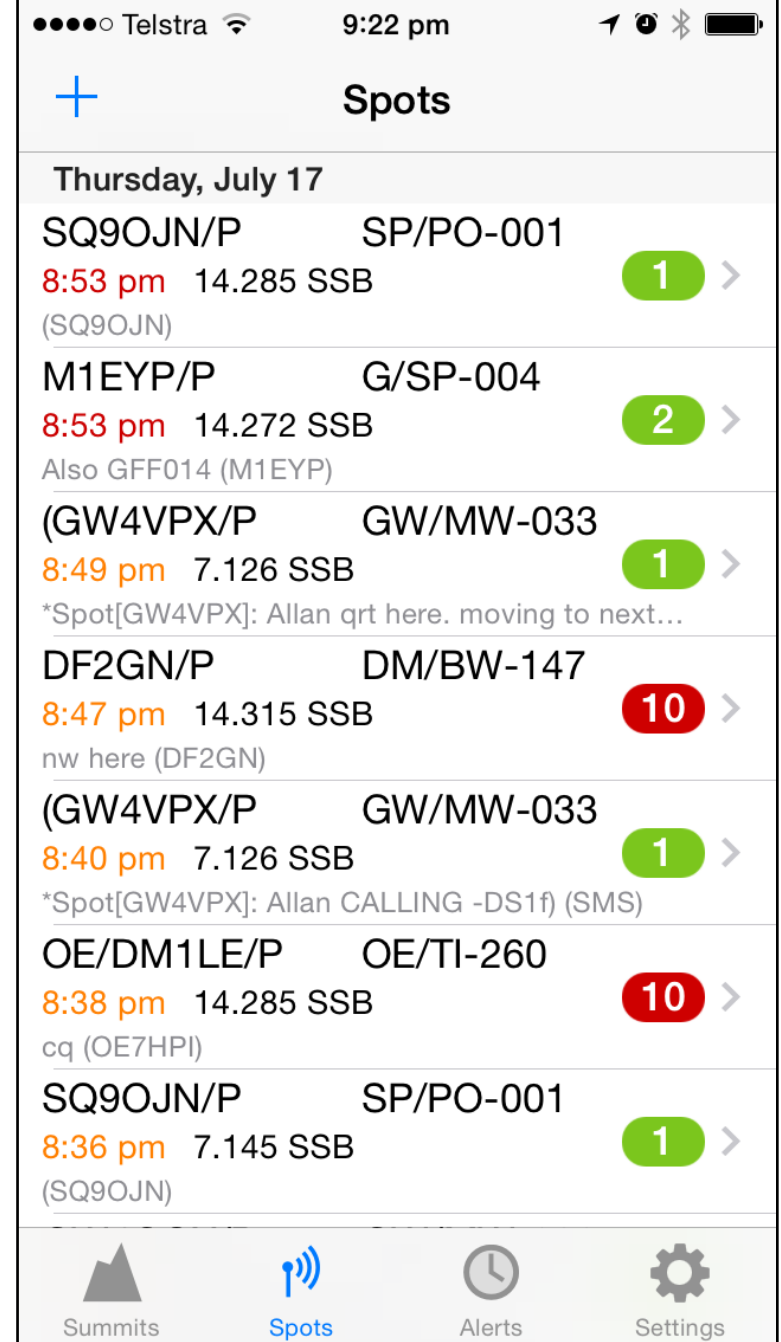
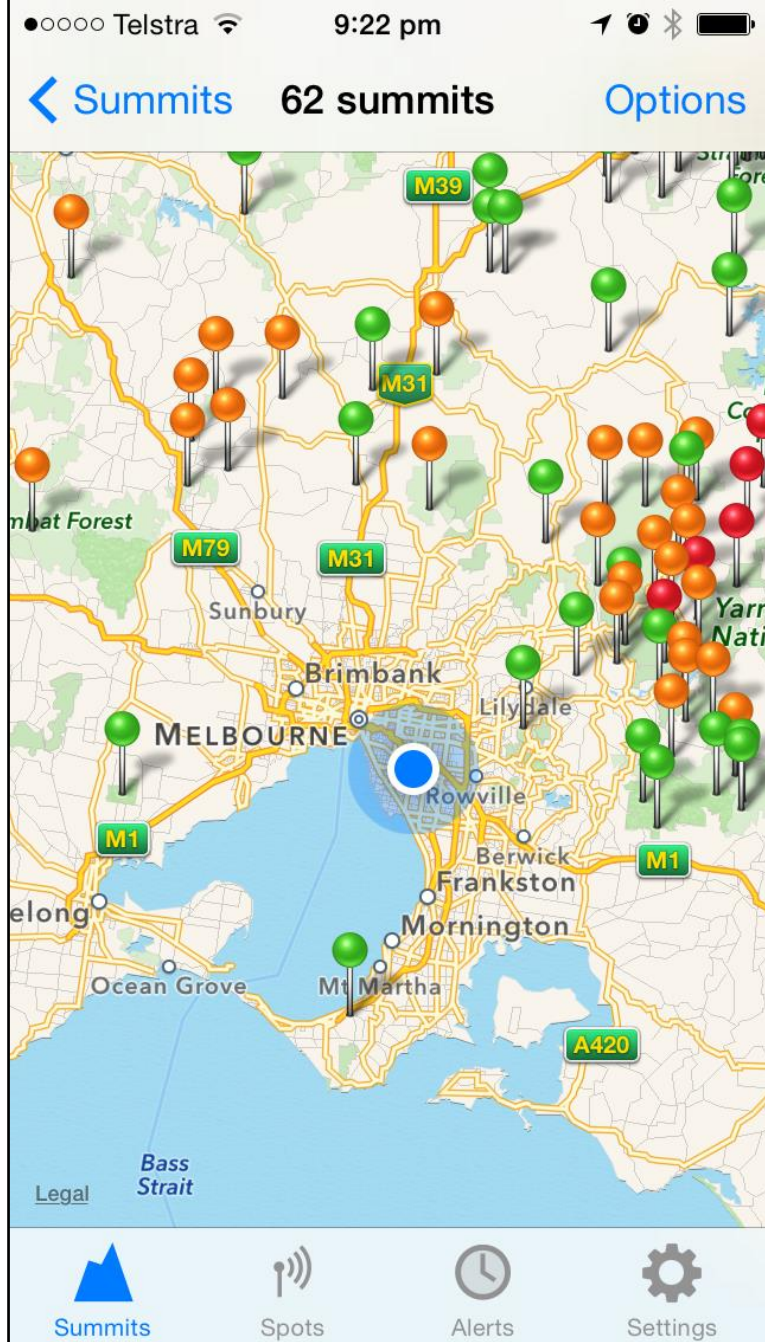
APRS and Repeater Apps



# Be smart

- Find out who's on with SOTAwatch, Parks N Peaks, Yahoo Groups and the DX Cluster
- Google information about local events, attractions and accommodation
- Make on-line bookings and do Internet banking





Summits On The Air App

# Be smart

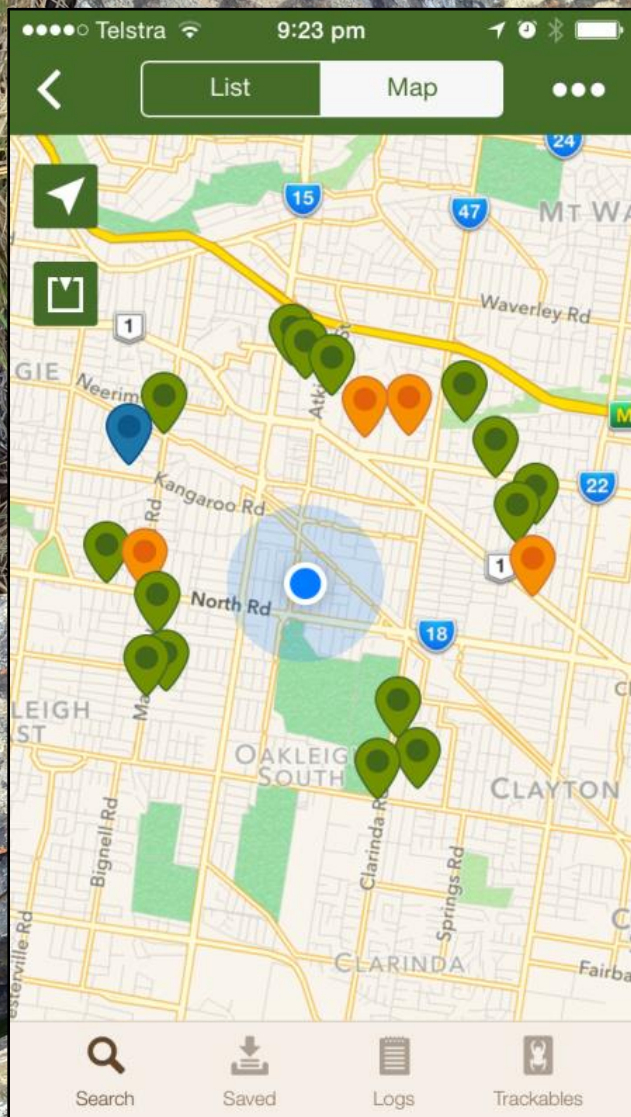
- Take pictures and video of your expedition with the camera
- Try Geocaching during the day and Star Walk at night
- Run home surveillance and home control apps
- Run a WiFi Hotspot for your other mobile devices. Get accurate NTP time for JT65.





Geocache with trinkets, logbook and pencil





Geocaching App and Geocache by the beach





For the latest "GEOCACHE SITE - PLEASE READ" information, you've found it! Intentionally or not!  
What is the hidden container sitting here for? What is this  
any way new with all these things in it?  
This is a worldwide game dedicated to GPS (Global  
Positioning System) users, called Geocaching. The game  
involves a GPS user hiding "treasure" (this  
can be anything you want) and publishing the exact  
location so other GPS users can come on a "treasure  
hunt". The only rule is you must write without your  
name.

Sie2 Head's  
5-8-2013  
dgers & Mrs.  
9.13  
this the hard way →  
(ident) came back around  
1d from truck.  
ad hide, though I prefer  
big tree behind us!  
t ☺ took Sea Horse.  
Funnyowl 30/9/2013  
3:55 pm

Geocache in the bush

# Get going

- Get your smartphone and a \$50 portable VHF/UHF handheld and get going, it's too easy
- Add a spare battery and car charger for extended operation
- Add a magnetic base antenna for mobile operation
- Add a portable Yagi antenna for mountain-top operation





Minimal portable operation setup

# Get going

- Get your portable HF setup going next: You'll need a battery, HF rig and wire antenna
- Experiment with different rigs and batteries: Power vs weight might be important to you
- Experiment with different antennas, rigging and portable masts (e.g. squid poles)
- Get serious about road-trips with a proper mobile HF/VHF/UHF setup





SOTA setup with a KX-3, LiFePo4 battery and speaker/amplifier





KX-3 on Flinders Peak





FT-817 on Mt Piper





Mobile setup at Churchill NP





Mobile setup at Wilson's Prom



New mobile antenna

# Get going

- Experiment with 12V cabling, auxiliary batteries and mobile antennas
- For weekend/contest work you'll probably need auxiliary power and heavy antennas
- Experiment with generators, solar panels, better antennas and higher masts
- Don't forget CW and digital modes. That's where the DX is.
- Experiment with a laptop, rig interface and different digital modes: Try JT65 and BPSK31.





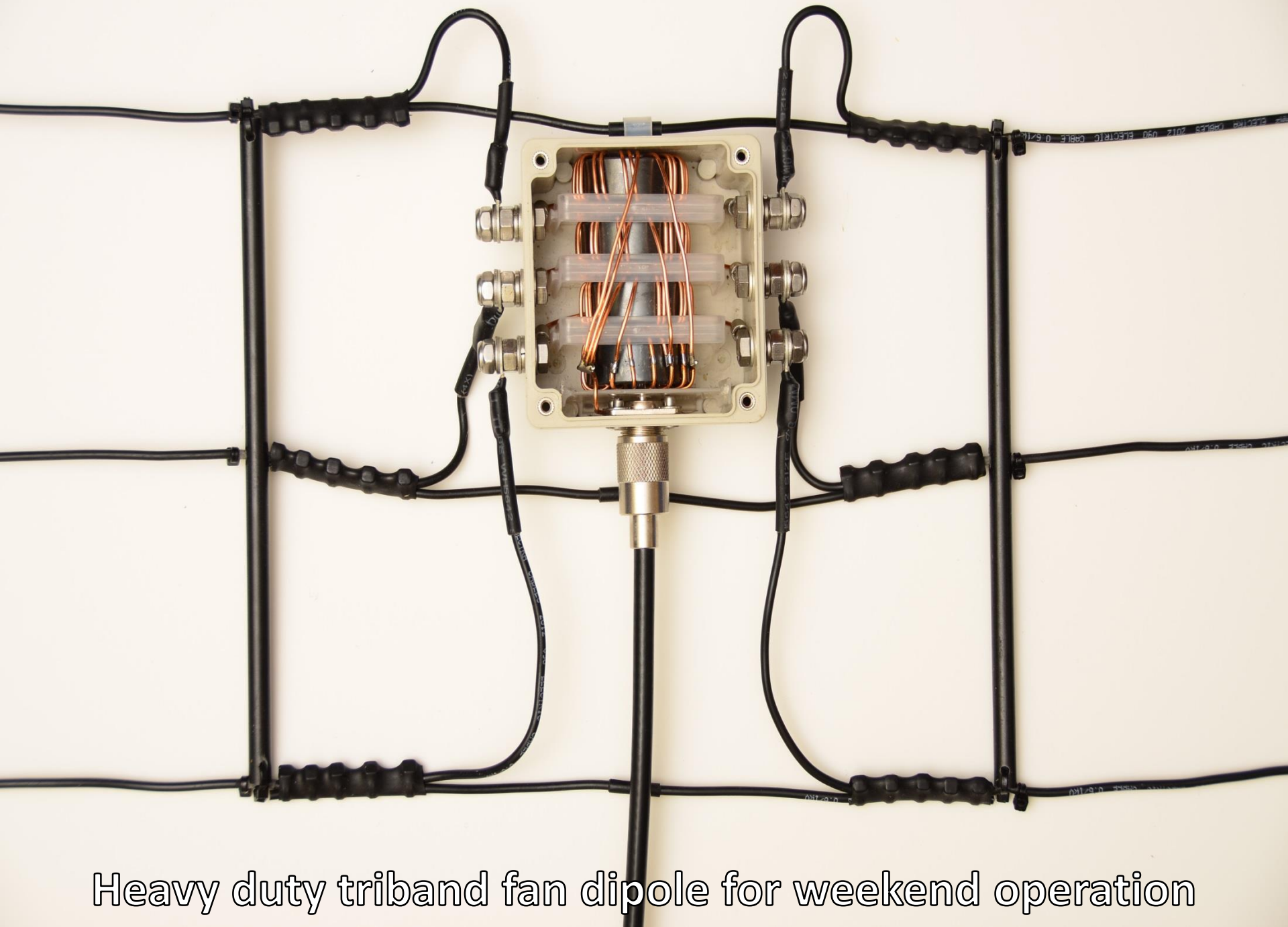
400W solar and 240aH batteries for weekend operation





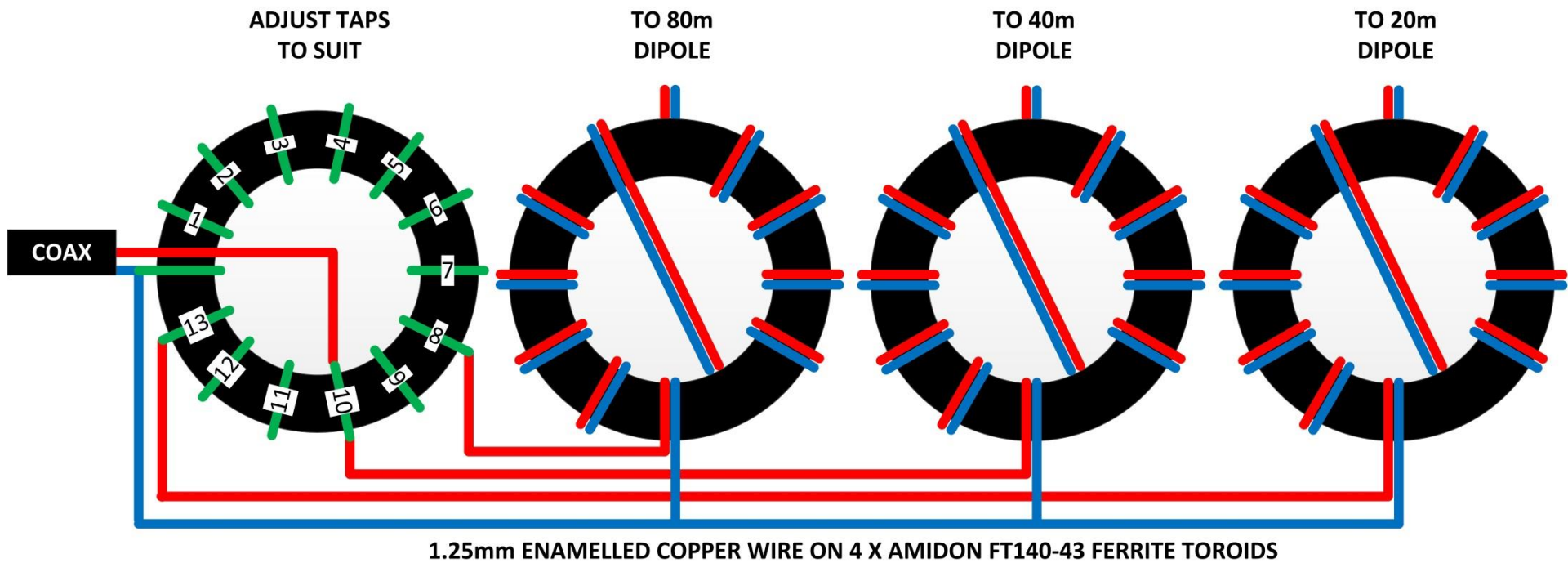
Rigs for weekend operation





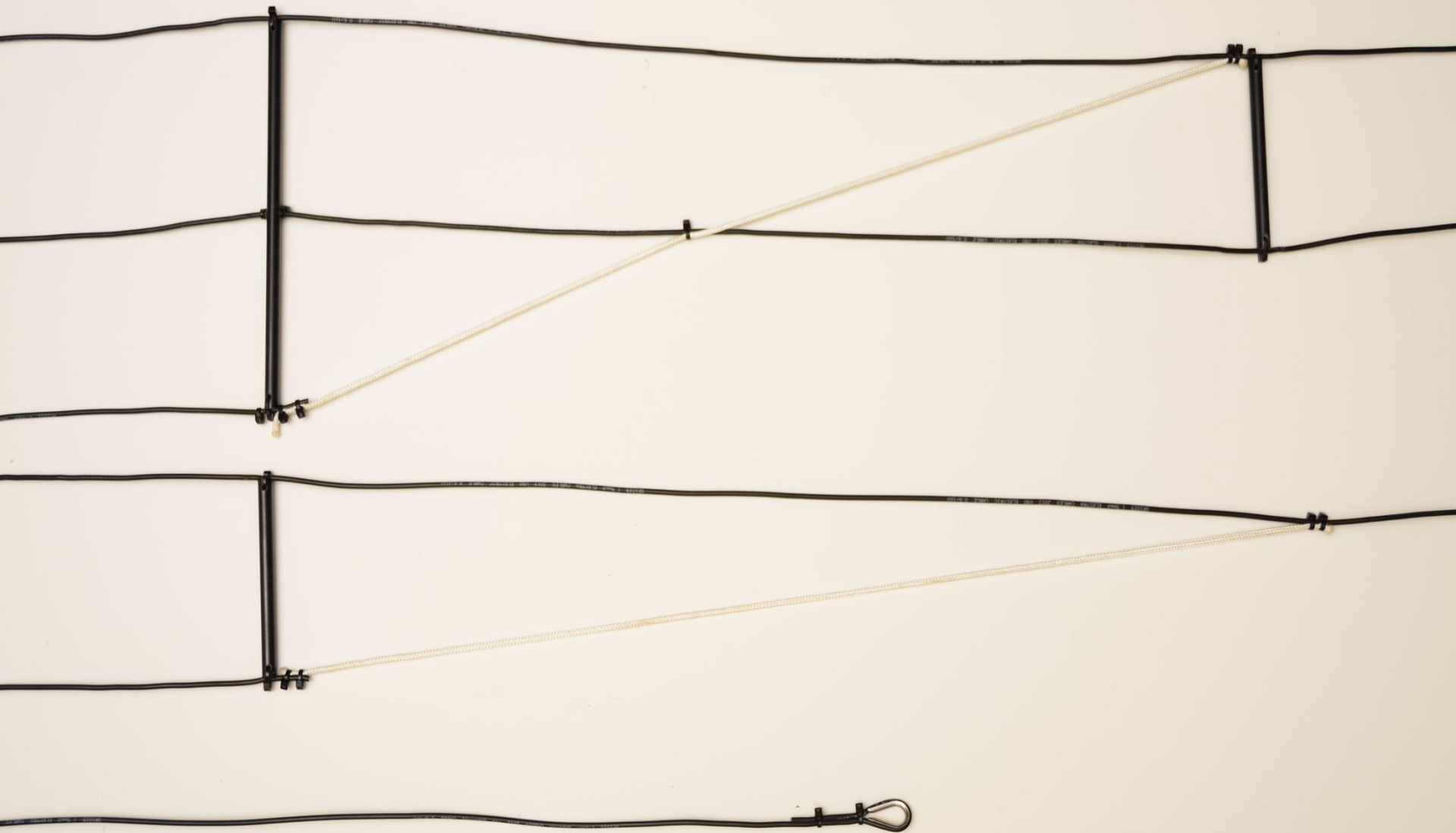
Heavy duty triband fan dipole for weekend operation





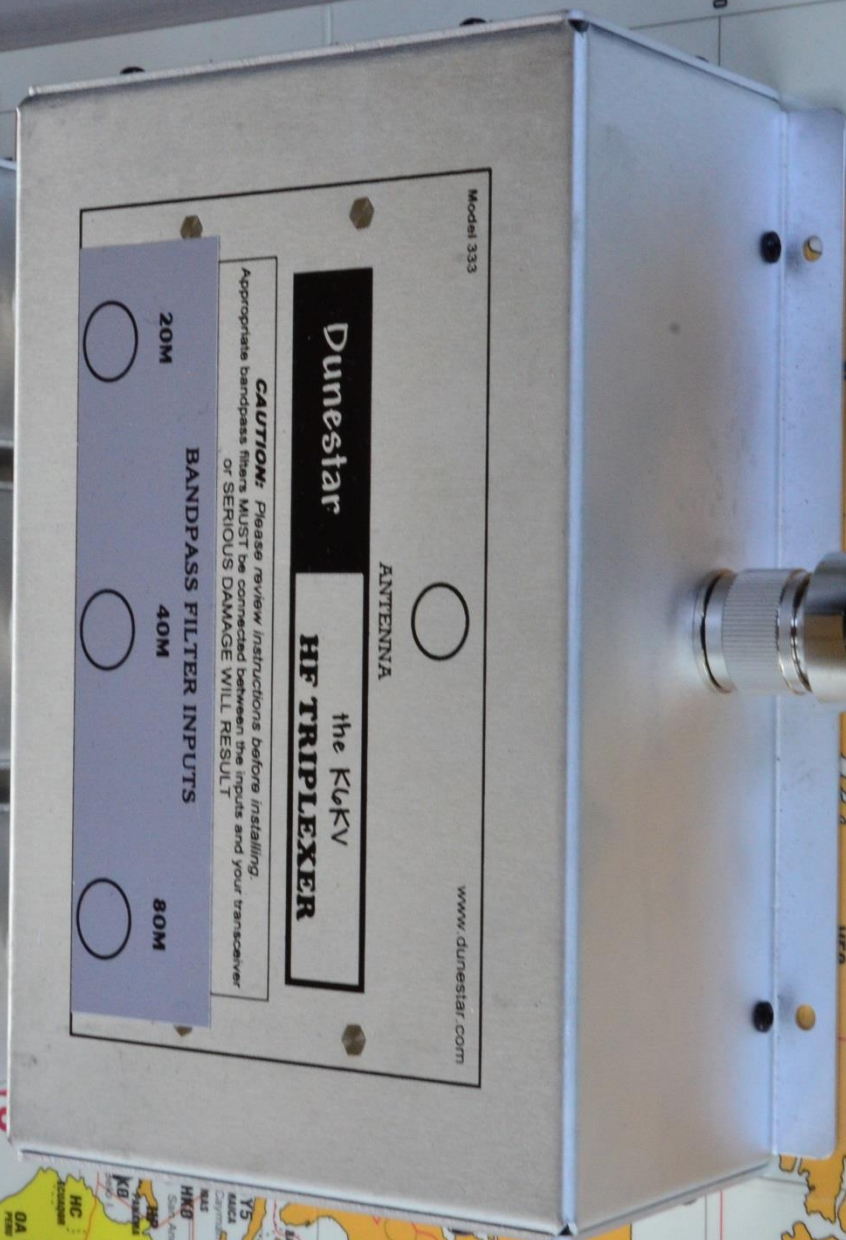
Feed system for fan dipole





Rigging the fan dipole

ARCTIC OCEAN



Triplexer for simultaneous 80/40/20m weekend operation





Masts for weekend operation

# Have fun

- There are many activities specifically for portable operation
  - Awards: KRMNPA, VKWWFF, LGA
  - Contests: SOTA, IOTA, JMMFDC
  - Weekends: ILLW, IMW, IAAW, PR4ARW
- And many others which can also be worked while portable





Working National Parks for KRMNPA/WWFF





Working Mt Bunninyong for SOTA





Working French Island for IOTA





Working Mt Donna Buang for JMMFDC





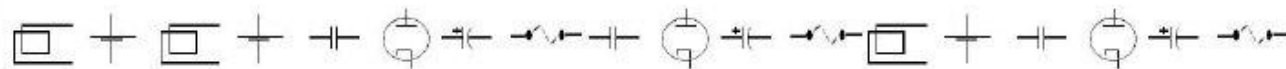
Working Queenscliff White Lighthouse for ILLW





Working Melbourne Museum for IMW





# International Museums Weekend 2014

14th-15th & 21st-22nd June



## The Museums Award

This is to Certify That

**VK3FOWL**

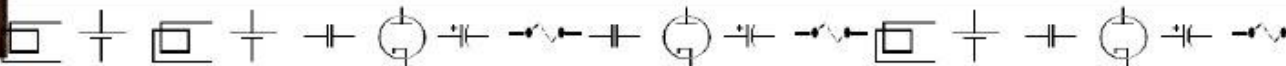
Took Part in the above event from

**Melbourne Museum**

Registered Museum No **5285**

Award #**49**

Award Manager .... *Hans-Jürgen Schmelzer*



Go portable and get your own participation certificates!





# John Moyle Memorial Field Day 2014

Awarded to:

**Julie Gonzales**

VK3FOWL/P

For Sixth Place

As a Portable Station

Single Operator, Phone Only, HF Band Operation and 6 Hour Categories

With a Score of 134 Points during 67 Contacts

**Congratulations**

President:

Date: 14/5/2014

Contest Manager:

Go portable and get your own contest certificates!



# Amateur Radio

Volume 82  
Number 9  
September 2014  
Price: \$9.70 Incl GST  
[www.wia.org.au](http://www.wia.org.au)



- Digital ATV in SA
- ATV reception with a cheap dongle
- Power Meter kit: EMR measurements



**Promoting amateur radio on the  
International Museums Weekend**



Go portable and write AR articles and blogs about it!



# Learn more

- Avoid nightmare tangles in any long coiled antenna wires: Use PVC tape or Velcro cable ties.
- Check your antennas with an antenna analyser. Height and surroundings effect feed impedance.
- Bring tools, spares parts, wire and feed line to repair any broken antennas and cables
- Bring adapters and cables to connect any battery to any rig to any antenna





Tool kit for portable operation



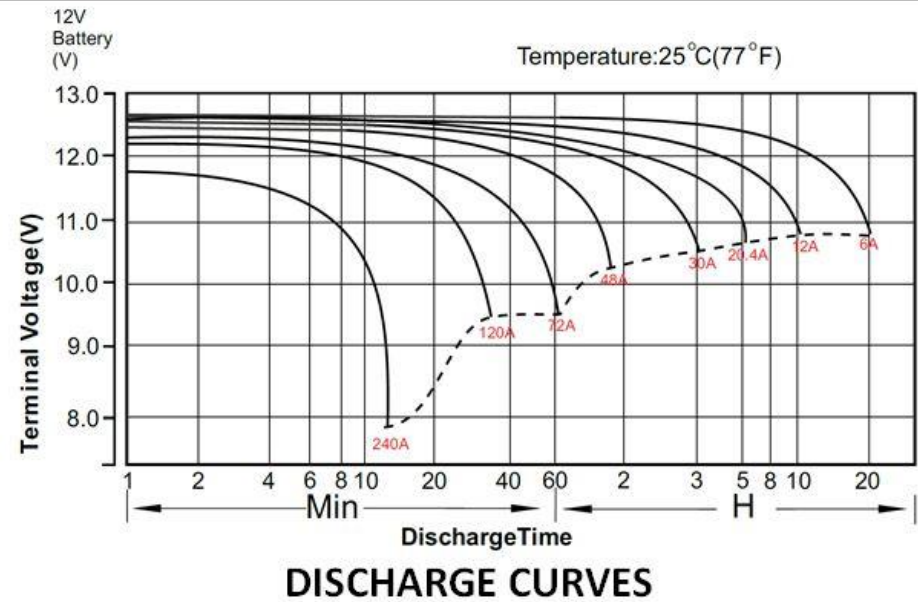
# Learn more

- For mobile operation: Design your own 50 amp DC distribution system using Anderson connectors
- Take handhelds on bushwalks. Have several in a hiking group. Leave one in the car.
- Use an auxiliary battery isolator switch and Low Voltage Disconnect unit to avoid flat car batteries

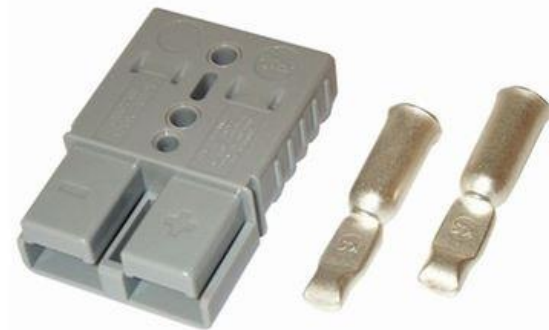




**12V DEEP CYCLE BATTERY (X2)**



**50A BATTERY CABLE (X2)**



**50A ANDERSON CONNECTORS**

**Bigger batteries and cabling for mobile operation**



**MAIN BATTERY FUSES (X2)**



**AUXILIARY BATTERY ISOLATOR SWITCH**



**LOW VOLTAGE DISCONNECT**



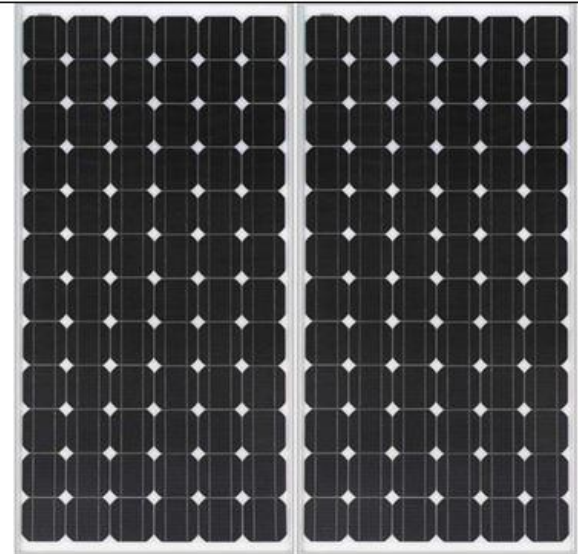
**12V CIRCUIT BREAKER (X2)**

**Safety equipment for mobile operation**





**50A EXTENSION LEAD**



**400W 12V SOLAR PANELS**



**SOLAR CHARGE CONTROLLER**



**POWER METER**

Solar equipment for mobile operation



DC distribution cables



# Learn more

- Use a safe and legal antenna line launcher: Try our RoboStick™ MkII.
- Be gentle to trees: Use thick rigging lines and cam-buckle webbing straps to attach antennas to trees
- Tape squid poles at each joint to avoid the catastrophic collapse scenario.
- Remove the top section of a 10m squid pole – you can use it to toast marshmallows
- The heaviest flat-top dipole on two 9m squidies is 20mx22AWG, an FT50-43 balun and RG178 (2mm)

DETA ELECTRICAL 20MD -10/60 AS/NZS2053 21.09.2013.11.19

districb



Robostick™ Mk II and safety equipment



# Learn more

- Read the relevant contest rules thoroughly, every year. They change.
- In contests use a CQer on one band while tuning around on another band
- Use paper logs and a waterproof pen for contests. Transfer to the Internet later.
- A JetBoil™ and 300ml water bottles is the quickest way to make a hot drink for two on a cold day



JetBoil™ and Homebrew CQer



# Learn more

- Avoid smoky campfires and mosquito infested swamps
- Bring extra dry clothes, socks and shoes. Bring gloves for antenna work on cold mornings.
- Test your guy ropes and pegs regularly
- Use the minimum power to get the job done. Be prepared for high current drain on digital modes.



Portable masts, pegs and PackReels™



# Learn more

- Position solar panels for maximum insolation. Avoid some noisy MPPT and PWM controllers.
- USB chargers and laptop car adapters are noisy. Try parallel-wound toroids and caps on the input.
- Use a gas-capsule lightning arrestor, a ground rod and heavy ground wire
- Drive a 1.5m ground rod, near horizontally just under the surface of hard soil, and add water
- Use short cam-buckle straps to tie together your radio equipment into one easy-to-hold device



Making base equipment portable



# The End – Thank You

