

Agenda

- History
- Summits
- Chasers
- Activators
- Activations
- Hardware
- Awards
- Resources



Summits on the Air (SOTA)

- SOTA is an award scheme for radio amateurs and shortwave listeners that encourages portable operation in mountainous areas.
- SOTA has been carefully designed to make participation possible for everyone.
- Each summit earns the activators and chasers a score which is related to the height of the summit.



SOTA History

- Original idea of John Linford, G3WGV
- European Adventure Radio by Richard G3CWI
- Launched 2nd March 2002. England and Wales
- VK3 Launched 1st February 2012
 - 609 summits across 8 regions
 - Central region
- VK1, VK2 and VK5 developing

SOTA Summits

Based on Fire Zone,

Central – VCEast Gippsland - VG

– Mallee – VLNorth Central – VN

North Country – VUNorth East – VE

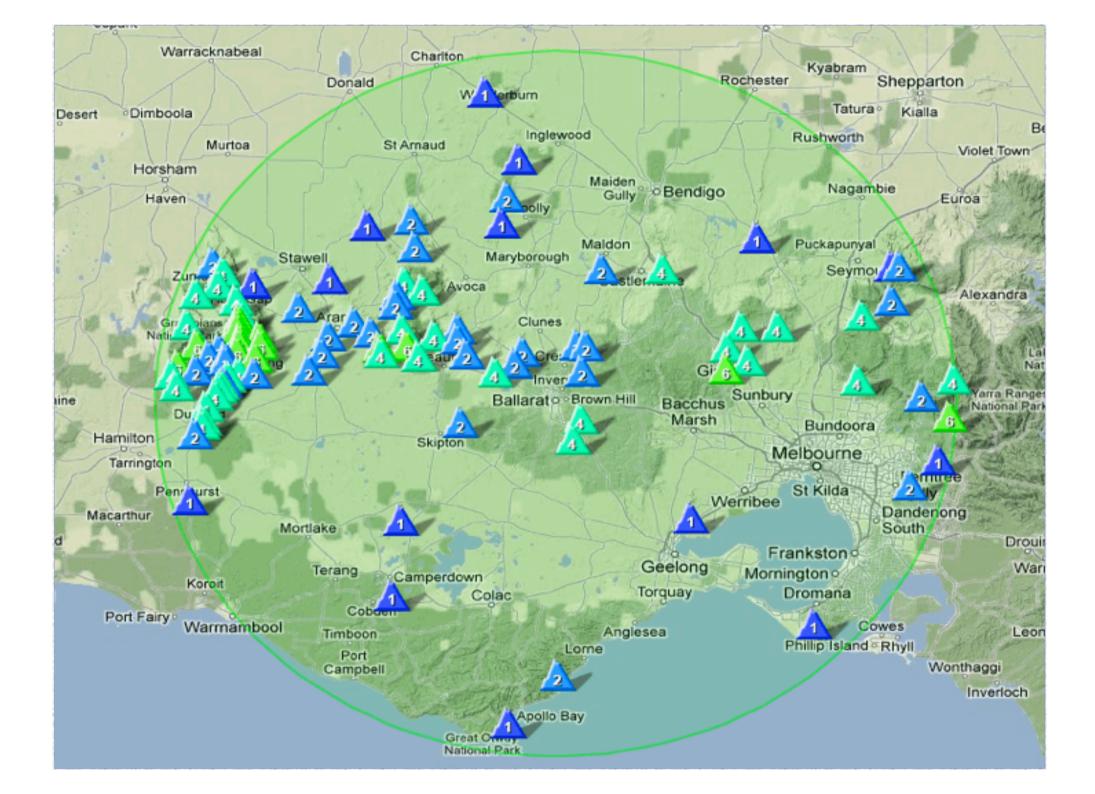
South West – VSWest/South Gippsland – VT

Wimmera – VW

- Full list of current summits and planning tools on SOTA Mapping Project and site
 - http://www.sotawatch.org/summits.php?assoc=66
 - http://sotamaps.wsstvc.org/range.php
- XML files available for viewing on Google Maps.
- Updated regularly

SOTA Summits - cont

- Points based on height,
 - Band 1, score 1 point < 500 m
 - Band 2, score 2 points >= 500 m < 700 m
 - Band 3, score 4 points >= 700 m < 900 m
 - Band 4, score 6 points >= 900 m. < 1200 m
 - Band 5, score 8 points >= 1200 m < 1500 m
 - Band 6, score 10 points >= 1500 m
- Bonus points are based on elevation
 - Summits 8 points and higher gaining the bonus.
 - 15 June to 14 October inclusive



SOTA Chasers



- Chasers can operate from home, a local hilltop or are even Activators on other summits
- Can chase each summit once per UTC day
- Can use any legal station configuration

VK3 Chasers

Position	Chaser Callsign	Activators Worked	Points	Avg. points per Expedition	View Log
1	VK3PF	33	166	5.03	View
2	VK3HRA	26	128	4.92	View
3	VK3ZPF	22	106	4.82	View
4	VK5PAS	16	84	5.25	View
5	VK3AFW	17	74	4.35	View
6	VK3TCX	11	63	5.73	View
7	VK3YY	10	52	5.20	View
8	VK3AZZ	11	36	3.27	View
9	VK2UH	6	28	4.67	View
10	VK3XBC	8	27	3.38	View
11	VK3WAM	9	25	2.78	View
12	VK5FKAD	2	12	6.00	View
13	VK1FSTJ	1	8	8.00	View
=13	VK1DI	1	8	8.00	View
15	VK3JMC	1	6	6.00	View
=15	VK3KR	1	6	6.00	View
17	VK2BO	1	4	4.00	View
18	VK3TPH	2	2	1.00	View
=18	VK3EVL	1	2	2.00	View

http://www.sotadata.org.uk/default.aspx

Chasers Tools - Alerts

Upcom	ning Activations	new ale	ert
-	12th August 2012 F5LKW/P on F/AM-728 +/- 30 min. APRS: F5LKW-7	10.122-cw,14.061- 7 73 QRO (Posted by F5LKW)	cw
07:00	EA7URS/P on EA7/GR-0		ssb
07:00		14.062-cw, 10.124-cw, 7.032-cw, 18.088- h, aprs F5VGL-7 21018cw (Posted by F5VGL)	cw
08:00		10.122-cw,14.061- 7 73 QRO (Posted by F5LKW)	cw
08:00	MOVWS on DM/BW-348 My first summit activation	14.150-usb,7.150- !! hers to many more ! (Posted by M0VWS)	lsb
08:00	OM7SM on OM/ZA-038 Time + / - 30 min. With ON	145.500-fm,145.575- M7AD, OM7KK (Posted by OM7SM)	fm

http://www.sotawatch.org/alerts.php

Chasers Tools - Spots

	Sat 01:20	VK3WAM on <u>VK3/VC-001</u>	146.500 fm
		Also on 7.1MHz (Posted by VK3YY)	
	Sat 01:18	VK3WAM/P on VK3/VC-001	7.100 ssb
		5/7 Wayne. A little bit of QSB this morning (Posted by VK5PAS)	
	Sat 01:11	VK3WAM/P on VK3/VC-001	7.100 ssb
70.		3/1 TO 2/1 First chaser contact (Posted by VK1FSTJ)	
	Sat 00:49	VK3WAM/P on VK3/VC-001	7.100 ssb
		57 to 59 (Posted by VK1DI)	

http://www.sotawatch.org/spots.php

SOTA Activators



- SOTA activations occur on top of mountain tops
- Activators (those who ascend to the summits)
- Activations must use permitted amateur bands
- Motor vehicle use
 - Cannot be used for final access to summit
 - Cannot form part of station (e.g. batteries sitting in a car seat, shelter during operating, etc)

VK3 Activators

Position	Activator Callsign	Summits	Points	Seasonal Bonus	Total Score	Avg. points per Expedition	View Log
1	VK3WAM	34	191	21	212	6.24	View
2	VK3HRA	25	101	3	104	4.16	View
3	VK3XBC	3	30	0	30	10.00	View
4	VK3PF	9	17	0	17	1.89	View
5	VK3ZPF	6	16	0	16	2.67	View
6	VK3JSN	1	10	3	13	13.00	View
7	VK3AFW	2	10	0	10	5.00	View
8	VK3XL	1	4	0	4	4.00	View
9	VK3XJM	1	1	0	1	1.00	View
=9	VK3YY	1	1	0	1	1.00	View

http://www.sotadata.org.uk/default.aspx

Activations

Operation near the activation zone summit top. (25 vertical meters)

Power by batteries, solar, human power,

Activation points accumulate to operator, not callsign



Planning & Patience

VK3YY Glenn Ready to go.

Hardware - Radio

- QRP Portable radios
 - FT817 most popular
- QRO Portable radio
 - Icom 7000
 - Yaesu FT-897
- VHF/UHF
 - Handy-talkie quickest method to activate where possible.



Hardware - Antenna

- Antenna
 - HF
 - Verticals
 - Dipoles
 - VHF / UHF
 - Ribbon 'J' Poles
 - VHF/UHF Beam



VK3WAM Vertical

Hardware - Antenna

- Support Trees
 - 'Squid' poles
 - Tripods
- Tuners
 - T1



Hardware - Accessories

- Battery
 - High Capacity Internal
 - External
 - Lipo packs
 - SLAB
- Watch set to UTC
- Pencils
- Log Book



Frequencies & Modes

- HF SSB and CW
 - 3.615, 7.080 ,14.280, 21.280 & 28.480
- VHF FM and SSB
 - 146.500 FM & 144.100 SSB
- UHF FM and SSB
 - 439.00 MHz FM & 432.100 USB
- Modes in order of popularity,
 - SSB, CW and FM



VK3ZPF Peter

Hiking

- Hiking Safety First
 - GPS and Compass
 - Maps
 - Water
 - Food
 - Torch
 - Knife
 - Clothing
 - First Aid



Spotting Tools

 Wed 05:30 VK3HRA/P on VK3/VW-003
 7.080 ssb

 Allen 56, gave me 58. Allen in the fog. (Posted by VK3PF)

 Wed 05:21 VK3HRA/P on VK3/VW-003
 7.080 ssb

 *Spot[VK3HRA]: cq cq (Posted by SMS)

- SMS via Mobile Phone
 - Good coverage
- APRS
 - Limited coverage



Awards

- We participate in SOTA for fun, but there are awards for Activators, Chasers and Short Wave Listeners
- 100, 200, 500, 1000, 2000, 5000 points





Internet Resources

- SOTA website: http://www.sota.org.uk/
- SOTA Database:
 - http://www.sotadata.org.uk/
- SOTAwatch: http://www.sotawatch.org/
- SOTA Reflector:
 - http://www.sotawatch.org/reflector.php

Internet Resources

- www.adventureradio.de/data/
- SOTA Spots/Alerts
 - http://www.intermoose.com/SMSBOT-usage.txt
- Activation and chasing analysis tools
 - Yahoo Groups SOTA_Australia
 - http://au.groups.yahoo.com/group/SOTA_Australia
 - VK discussion including VK3 activation alerts
 - www.vklogger.com

Questions



Finally: Two words of warning It's addictive.