

# Adelaide Hills Amateur Radio Society Inc

## September 2016

### Newsletter

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**Pages 4 & 5 :** VK5CWL Cape Willoughby Report (ILLW)

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- VK5AR at Cape Jervis in the ILLW ; WICEN

#### Page 7

- Call for info on approval for AR towers.

*Some of the many A.R. associations in the ILLW* →



#### Page 8

- General Club Information
- Exams, ALARA, Contacts
- Website, Newsletter, Etc

#### On-line Supplement

- Cape Willoughby Report (ILLW); Humour corner;
- Doc's forthcoming book—invitation to potential contributors.



## PRESIDENT'S COLUMN

Once again, Spring has arrived and we all look forward to the prospect of warmer weather just around the corner, but there is still the odd storm or two to happen, that normally take place around this time of year.

Again the Club program has gone smoothly and we have been fortunate to have interesting lectures and presentations from many talented people, my thanks go to all those contributors who have made the effort.

Training continues, the courses we have held this year have seen many new Foundation licences and upgrades happen, we have another Foundation course to take place on the 1<sup>st</sup> & 2<sup>nd</sup> of October, with exams for all levels taking place on the Sunday as usual. If you know of some one who is contemplating either a course or upgrading, please get them to contact Sasi VK5SN to book a spot, they will be most welcome.

The Shack program continues with its social mornings on the second Saturday and the technical sessions on the fourth Saturday of the month. These have been well attended, and the series of micro processor sessions run by Graham VK5ZFZ have been particularly well attended, a program that hopefully will continue on into next year. Vandalism at the shack and its surrounds continues to be a nuisance and requires us to clean up after the vandals, a deterrent system and cameras will be investigated to see if we can have an impact on the situation.

The next round of deceased estate closed auctions for this year is imminent, again it has taken a long time to gather, test and assemble all the gear so we could circulate it to our members, there is /was some very good gear available of near new condition, ideal for our new amateurs or anybody looking for that extra rig or two. It also is the service we provide for our members in responsibly disposing of their gear and returning those monies back to their estate and family. Next year the Club will be looking for a new member to handle this function of the Club, please contact me.

The new Web site has been developed by Paul VK5PAS, and what a lovely job he has made of it too. There are a few minor items to be tidied up, hopefully this will be completed by the next general meeting, any suggestions to Paul please, as he is the Web Master. The new and improved VHF version of the JST antenna analyser is still proving to be a very popular kit and demand for the kit has been high, particularly for overseas customers, with bulk purchases being made from Canada and Europe, we are about to look at requests from local clubs for them to buy in bulk.

Christmas Lunch will again be in the private dining room of the Belair Hotel, I have some menus that the Committee will go over, details of which will be presented as soon as possible, or we may consider ala carté as that was quite successful at the mid year dinner. We will be looking for volunteers from those attending to run the raffles for the prizes that we normally have for this event, please contact any member of the committee if you would like to help this year. The venue has been booked, and it will again be partially subsidised towards the cost of the meal only, drinks are always your own responsibility. I will have a name sheet at the next general meeting for you to subscribe to.

The repeater has been operating without any major problems, but there is some work to be done on the diplexers and cabling. The Club will also be looking for another Repeater Manager next year, so if you have a hankering to do this and like a technical challenge, we would like to hear from you.

Cheers for now & 73 from Barry VK5BW

## EDITORIAL

This issue is primarily concerning AHARS in the ILLW. Reports from AHARS member Alan (VK5AR), and myself (for VK5CWL) can be found therein. You'll also find links to Paul's (VK5PAS) reports on the big event.

**CORRECTION:** In my WIA AGM article in the last newsletter, I omitted the name of one important AHARS member who attended - that was Paul, VK5PAS. Sorry mate!

Paul has been active in many things, organising the VK5CWL venture, activating from various parks and summits, etc. See his report herein, or go to the AHARS website for more information. At the moment, I'm happy to be a lounge lizard, chasing energetic people like him. See QSL Corner.

Note that our famous Buy and Sell is on soon (November 6), so book a table, or save up your shekles and come and buy some of my old stuff, to help me clean out my shack.

John, VK5EMI, Editor. (--... --!)

# Adelaide Hills Amateur Radio Society Inc Club Program 2016

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## Regular Club Gatherings

2nd & 4th Fridays	Regular Luncheon (All welcome)	Blackwood RSL, Brighton Parade
2nd Fridays	ALARA Luncheons	Contact Jean, vk5tsx@bigpond.com
2nd Saturdays	Social Get-togethers	At The Shack
4th Saturdays	Technical Mornings (TBC)	At The Shack

## Meetings & Special Events

<b>SEPTEMBER</b>	<b>Thursday 15th</b>	Regular Meeting Damien Clissold VK5FDEC on Archery	Blackwood Community Hall (BCC)
<b>OCTOBER</b>	<b>Thursday 20th</b>	Regular Meeting - Attracting younger people to A.R. Patrick, VK5MPJ. DRM - Brendon VK5FBFB	Blackwood Community Hall (BCC)
	<b>Saturday 29th</b>	<b>AUCTION</b>	<b>The Shack</b>
<b>NOVEMBER</b>	<b>Sunday 6th</b>	<b>BUY &amp; SELL ...</b> Book a table with <u>Roy</u> VK5NRG or <u>David</u> VK5KC	<b>Goodwood Community Hall</b>
	<b>Thursday 17th</b>	Regular Meeting Graham Dicker Construction Night	Blackwood Community Hall (BCC)
<b>DECEMBER</b>	<b>Sunday 18th</b>	<b>Christmas Lunch</b> Book with <u>Barry</u> or <u>Roy</u>	<b>Belair Hotel</b>

*Thanks to Barry for this information - Ed.*

## SHACK ACTIVITIES AGENDA - SEPTEMBER 2016 TO JANUARY 2017

<b>September 2016</b>	<b>10th</b>	2nd Saturday Social get together
	<b>24th</b>	Tech Meeting – <i>still to be decided – suggestions please !</i>
<b>October 2016</b>	<b>1st &amp; 2nd</b>	<b>Foundation Course Training &amp; Upgrade Examinations</b> Contact <u>Sasi</u> VK5SN
	<b>8th</b>	2nd Saturday Social get together
	<b>22nd</b>	Tech meeting - Graham Dicker VK5ZFZ - Microprocessors Pt-3
	<b>29th</b>	5th Saturday - TBA
<b>November 2016</b>	<b>12th</b>	2nd Saturday Social get together
	<b>26th</b>	Tech Meeting - Barry VK5BW on TDR measurements
<b>December 2016</b>	<b>10th</b>	2nd Saturday Social get together
<b>January 2017</b>	<b>14th</b>	2nd Saturday Social get together

## QSL Corner

- QSL's for VK5CWL - see article on pages 4 & 5. Of course, any AHARS operator who contacted this station can do a "direct" QSL by handing me his or her card directly at a meeting.
- Note that our club station (VK5BAR), has an account on eQSL, so contacts with us can be confirmed via that site. John, VK5EMI.
- Fun on the Bands: I've had the pleasure of contacting Paul (VK5PAS) on Kangaroo Island, Lesley (VK5LOL) near Forest Den NP in Qld, Rob (VK4AAC/3) at You Yangs NP and Great Otway NP, Ian (VK5CZ) at Mount Arden, and VK2IO at Sea Acres NP. It's not too time-consuming, and the operator at each end gets points towards the relative awards. [VK5EMI - AHARS QSL Manager].



**ACTIVATIONS OF PARKS AND RESERVES ON KANGAROO ISLAND**

Following on from the 3 days at Cape Willoughby for the International Lighthouse & Lightship Weekend (ILLW), I headed off to Stokes Bay for 2 nights.

My plan was to activate 10 Conservation Parks on Kangaroo Island in 3 days (Monday-Wednesday). These activations would count for the VK5 National and Conservation Parks Award and also the World Wide Flora Fauna (WWFF) program.

Fortunately the weather held out for me and I achieved my goal of the 10 activations, with the following conservation parks being activated: Simpson, Dudley, Parndarna, Cygnet Estuary, Nepean Bay, Beyeria, Latham, Pelican Lagoon, Lashmar, and Baudin.

I logged a total of 542 stations from all across VK and Europe. It was very pleasing to be able to make contact with Swa ON5SWA and then Danny OT4V who were both activating parks in Belgium.

These two Australia-Belgium Park to Park contacts were a real bonus. I also logged a further 15 Park to Park contacts with Australian park activators and three Summits on the Air (SOTA) activators.

I operated on the 80, 40, and 20m bands during the park activations, with 80m proving to be very reliable for the close in propagation, with many VK5's logged who were unreadable on 40m.

The majority of my QSOs were on the 40m with 396 contacts logged there, followed by 76 on 20m and then 70 on 80m.

Don't forget that if you hear a park activator calling CQ, give them a call.

Most are working towards the 44 QSO threshold required for the WWFF program.

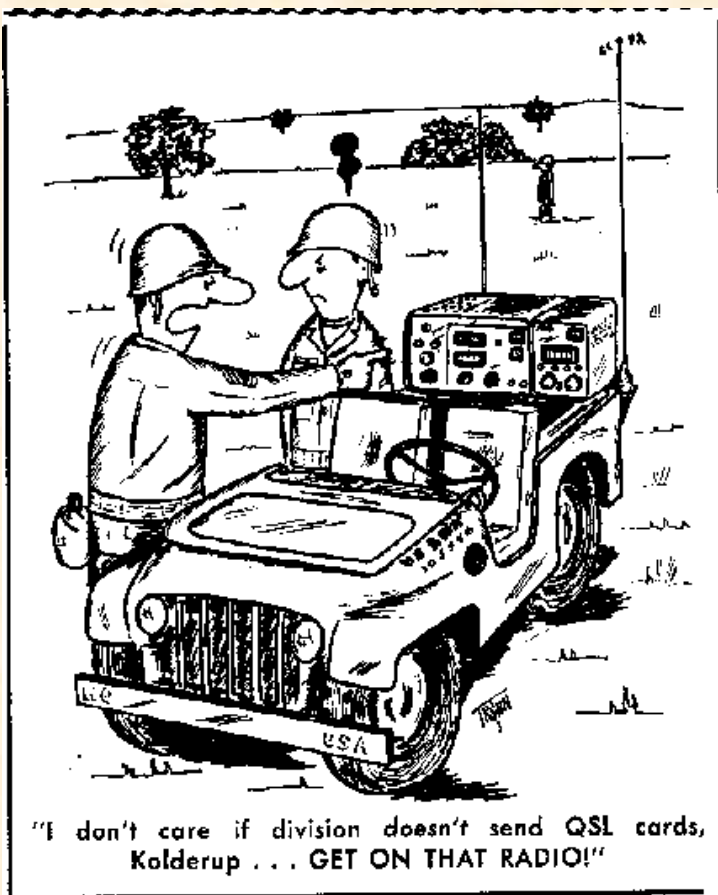
So even if you do not participate in the WWFF program, a call would certainly be very much appreciated by the activator.

More information can be found on my Wordpress site at.....

**<https://vk5pas.org/>**

Thanks to everyone who called me and very best 73, Paul VK5PAS.

*[Thanks, Paul,  
for this article, and for the  
pleasure of working you at  
Cygnet Estuary, and Nepean Bay - Ed]*



..... Of August 19 and 20, by John, VK5EMI.

**This year AHARS worked at Cape Willoughby Lighthouse for the 3rd time.**

The Cape Willoughby Lighthouse was built in 1852, on the far eastern end of Kangaroo Island. There had been dozens of shipwrecks around the coast of the island, leading to a need for a number of strategically placed lighthouses, of which this one was the first.

## The 2016 Expedition

### Operators

Paul VK5PAS, John VK5EMI, Chris VK4FR/5, Mike VK5FVSV, Andrew VK5CV, and associate ALARA member Deidre Elliott. Team Leader: Paul, VK5PAS. (Thanks to Paul for much of the information in this article, too).

The various team members arrived, mostly on the Friday morning, and set up aerials from the top walkway of the lighthouse, and some on the ground, mounted on squid poles, etc. Chris brought a hex beam, which didn't put a curse on anything, thank goodness, worked well, and looked the part too.

Cape Willoughby is well known for its boisterous weather, and again lived up to its reputation, although the winds were a little less than gale-force this time.

As usual, we were well-looked after by DENR staff; the cottage was very comfortable, being restored in the style of its time of construction (1927), but with the necessities of 20th Century living (flushing loo, microwave oven, shower, 240 Volt by SWER, etc).

The event started at 00:00 UTC on Saturday August 16 (09:30 Saturday CST), and continued to 23:59 UTC on the Sunday (09:30 Monday morning CST).





***AWARDS APPLICABLE TO WORKING VK5CWL:***

IOTA OC-139, ILLW number AU-0095,  
VK5 PARKS AWARD 5CP-033, WWFF VKFF-1014, VK SHIRES KI5.

**Final QSO count**

547 contacts. They were made on 160, 80, 40, 20, and 2m.

35 different countries were worked.

A breakdown of contacts by modes is as follows:

504 on Phone (SSB)

28 on JT65

6 on PSK31

2 on CW

7 on 2m (FM).

(These details from Paul)



*Nearly there.*

*The convoy pauses to enjoy the view.*

**QSL instructions for VK5CWL.**

Direct, via the WIA or VK5 bureau, eQSL,  
and LOTW. See the website\*  
for further details.

**# Direct**

c/o Adelaide Hills Amateur Radio Society,  
P.O. Box 401  
Blackwood, S.A. 5051

**\*MORE INFORMATION on this, and  
another K.I. Radio event,  
is AVAILABLE ON:**

<http://vk5cwl.weebly.com/>

<https://www.qrz.com/db/VK5CWL>



*Mike at the mike.*



Hi John,  
I used the VK5CJL call sign at Cape Jervis. Jane VK5FATE was helping me  
To keep a logbook we used a beta version of VKCL with an enhanced logbook (Mike VK3AVV modified the VKCL for us to try)  
We used an FT857 with a 40 meter long wire end fed. It had a 20 meter length rope on the other end which we attached to a low part of the lighthouse.  
It was horizontal about 15 meters above the ground  
It worked excellently on all bands from 1.8 mHz to 29 mHz  
We had a few problems, lots rain and strong winds, equipment failure and I was very sick Saturday,  
We still had 88 contacts, we chatted with most of them, we contacted 37 lighthouses in Australia and New Zealand  
We had contacts to Asia, North America, South America, and Europe  
We were not like Paul giving 59 to everybody and 4 contacts per minute with Europe!  
I guess the highlight was working 2 vk6's on 1.8 mHz, one was a lighthouse VK6CLL, I have never heard VK6 on that band before.

73, Alan VK5AR

*[Thanks, Alan - much appreciated. You had it much tougher than us Willoughby operators! Ed.]*

## WICEN SA

### News from the August 2016 Newsletter:

#### Activities

- **Lightforce Rally SA = September 9th, 10th and 11th . (Just past).**
- **Six AHARS members participated in this event**

- **SAERA 2016 State Championship horse ride**  
Thank you to Andrew Macmichael (VK5FMAC), Allen Harley (VK5FTAZ), Alan Raftery (VK5AR), Jane Morphet (VK5FATE), David Law (VK5AAH), Nic McLean (VK5ZAT), Miranda McLean, Louis Coleshill (VK5FLY), David Wilson (VK5LSB) & Peter Reichelt (VK5APR) who attended.



- **DISPLAY at KANGARILLA**  
**Sunday 4th September (Father's Day).**  
**Uniting Church at Kangarilla held an "Information on Emergencies' Day"**  
**This will be "Zombie attack, what would you do !!!"**

**Thanks to the referral from AHARS.**

#### Contact links to WICEN SA

Emails: [secretary@sa.wicen.org.au](mailto:secretary@sa.wicen.org.au)

Website: <http://www.sa.wicen.org.au/>

Facebook: <https://www.facebook.com/groups/170093383089448/>

Nic McLean	0417 822 728	<a href="mailto:president@sa.wicen.org.au">president@sa.wicen.org.au</a>	VK5ZAT	President
Andrew	0403 791 488	<a href="mailto:secretary@sa.wicen.org.au">secretary@sa.wicen.org.au</a>	VK5FMAC	Secretary



## RE TOWERS FOR AMATEURS IN SOUTH AUSTRALIA

# Assistance required!!

*John,*

*If you have space, could you please include a note to see if any member has any Articles or recollections about the original Court Case, that set up the 10 Meter limit, to Amateur Radio Towers, in South Australia.*

*The attached article (below) has been supplied by Jenny Warrington, but the other aspects of the case have been lost.*

*It seems the records of the old Wireless Institute (South Australian Division) are no longer available.*

*Rob VK5RG*

Rob can be contacted via email  
[carrob@chariot.net.au](mailto:carrob@chariot.net.au)

or phone **0410 967 937**



### AROUND THE COUNCILS Ben Hickey



THE NEWS.

THURS. 29-10-81

## Mast ruling quashed

**A test case verdict gives amateur radio operators the right to build radio masts without council planning approval.**

A Planning Appeal Board judgment on an application for a mast at Noarlunga found there was nothing abnormal in a proposal to

build an amateur radio mast.

It ruled a mast could be considered part of an ordinary backyard residential use.

Masts will continue to require council building approval.

The appeal board judgment quashed a decision of Noarlunga Council, which had refused planning approval to Mr B. L. Usher.

The board rejected arguments by council counsel that without planning approval being necessary, there could be a dramatic upsurge in backyard masts.

It said the council "had envisaged a veritable forest of radio masts erected in any particular backyard, over which a planning authority would have no control."



## Club Projects

HF/VHF Antennalyser kits.  
Saturday morning technical talks.  
Details from Roy Gabriel, VK5NRG.  
Ph 8278 2522.

Amateur Radio Licence  
Study Courses and Examinations  
Foundation, Standard and Advanced Licences.

Please See Club Program For Dates

**Location: The Shack, Blackwood.**

Contact Sasi Nayar VK5SN - 0417 858 547  
or email vk5sn@wia.org.au

## Club Weekly Net on VK5RAD

Listen to or join in on Monday nights  
from 8 pm to about 9:30 pm local time.

Receive frequency is 147.00 MHz,  
with -600 KHz offset.

Net Controllers: VK5's Jim (TR); Dean (5LB);  
Barry (BW); Roy (NRG); David (LSB);  
Lyle (WL), Steve (AIM).

All licensed amateurs are welcome.

## VK5RAD (Crafers Repeater)

The Repeater Controller is Barry Williams.

**All enquiries**, including requests for access, etc,  
are to be made through him.

Phone 8339 5683 or email vk5bw@wia.org.au

## Club Contacts

**Club President** Barry Williams VK5BW  
08 8339 5683

**Vice President** Jim Tregellas VK5TR  
08 8382 0504

**Secretary** Jean Kopp VK5TSX  
08 8322 0066

**Treasurer** Peter Reichelt VK5APR  
08 8352 5904

**Licence Training** Sasi Nayar VK5SN  
0417 858 547

## Meetings & Venue

AHARS meets on the third Thursday of  
each month, commencing at 7:30 pm  
at the Blackwood Community Centre  
in Young Street, Blackwood

## Postal Address

A.H.A.R.S P.O. Box 401, Blackwood, 5051.

The address for our website is:

**[www.ahars.com.au](http://www.ahars.com.au)**

Thanks to our new  
web-master Paul Simmons

## Articles For The Club Newsletter

Projects, anecdotes, experiences, ideas, advice, etc, all make  
interesting and useful reading, and will be much appreciated.

Please forward directly to the Editor

- John Elliott VK5EMI phone 8278 1269

or by email (best) to vk5emi@wia.org.au

Publishers - Michael VK5FMTR & Kaye Roden

## Our Next Newsletter Will Be Published In December 2016



## Australian Ladies Amateur Radio Association (ALARA)

**<http://www.alara.org.au/> State Representative: Jean VK5TSX Phone: 08 8322 0066**

### *Encouraging women's interest and active participation in Amateur Radio.*

ALARA was formed in 1975 by a small group of Australian ladies interested in Amateur Radio.  
Membership has now grown to over 200, with many Australian members sponsoring overseas  
YLs into ALARA. The term "YL" stands for "Young Lady" regardless of age.

The SA group meets at 12.00pm on the 2nd Friday of each month  
in the Police Club, Carrington St, Adelaide.

They have a net on 80 metres on Mondays at 1000 UTC in winter and 1030 UTC during  
summer (day light savings time) at 3.570 MHz. There are also EchoLink skeds.



# AHARS ON-LINE NEWSLETTER SUPPLEMENT

## SEPTEMBER 2016

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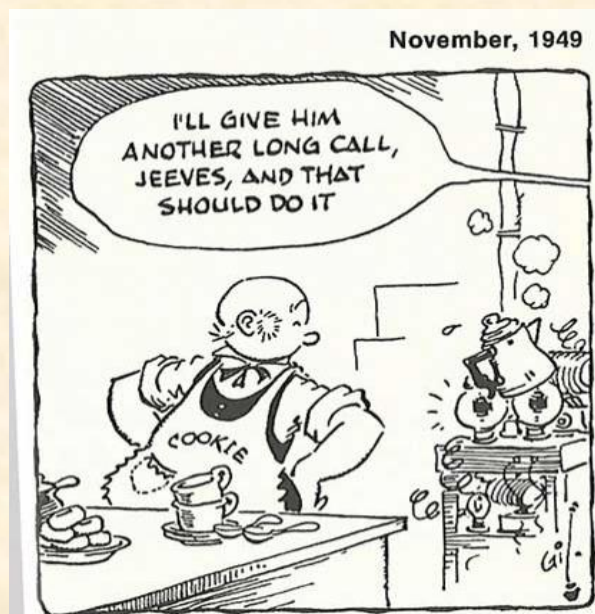
•	<b>Editor's further ramblings</b>		Page 9
•	<b>ARRL cartoons by Gil</b>	<i>Thanks to The ARRL for permission to republish some of the material from the book. Ed</i>	9
•	<b>Cape Willoughby (ILLW, VK5CWL), Report, cont'd.</b>	More ILLW photos, plus a few "show-off" photos from a not-so-anonymous person	10-12
•	<b><i>Sequel to the book "MF Down Under" by Doc.</i></b>	<u><i>Invitation to contribute</i></u>	13-14
•	<b>2015 OCEANIA DX CW Contest result for VK5BUG</b>		14

**RAMBLINGS:** At my request for more newsletter material, I received three articles—two from Doc, and one from Lesley (VK5LOL), all just after I completed the hard copy newsletter, which I had to complete ASAP, due to other deadlines, all of which came together, of course!

All of a sudden, I had more material than expected, and have had to put most it into this on-line section. I've kept Lesley's article for the on-line version of the December Newsletter. (The hard copy version is in the September issue as an insert.)

***[I hope that readers will enjoy the extra reading, as I have done. Ed]***

*A retired Amateur left me a book of **cartoons by Gil** (W1CJD), who was a contributor to QSL Magazine from the mid 1940's until the 1980's. Note that Jeeves is the patient butler of an unseen Amateur operator.*



*Putting that linear to good use!*



*In your dreams, OM! (QST, Dec 1948)*

# VK5CWL (Cape Willoughby Lighthouse) REPORT SUPPLEMENT

10



Some of the Amateur Radio Organisations which participate in the ILLW event:-

In addition to much radio activity, cameras were also busy; Paul with his new camera, and I with my slightly oldish one. All those present took a few photos.

Other photos of the weekend can be found on:

<https://www.facebook.com/groups/613147072192826/> and <http://vk5cwl.weebly.com/>



*Operating in the old Weather Station hut. (Some operating harder than others!)*

*Chris and Paul ▲.*



*John and Chris ▲.*

*The station is still used to record some weather details. Nearby is a modern Wx station, with an RF link to the Mainland.*



*Chris and Andrew in the second stone hut.  
Andrew is demonstrating his Flex radio.  
Several digital modes were activated on this radio,  
and on Chris's also.*



*Paul wrestling with the folded dipole.  
Its performance was a disappointment, but at  
least it looked impressive, dangling from the  
lighthouse.*





▲ Saturday evening dinner was a fine affair, as we did our best to polish off a lasagne dish. The dark bottle at the left is snake bite antidote.



◀ John in the Weather Station, operating under the encouragement of two locals.



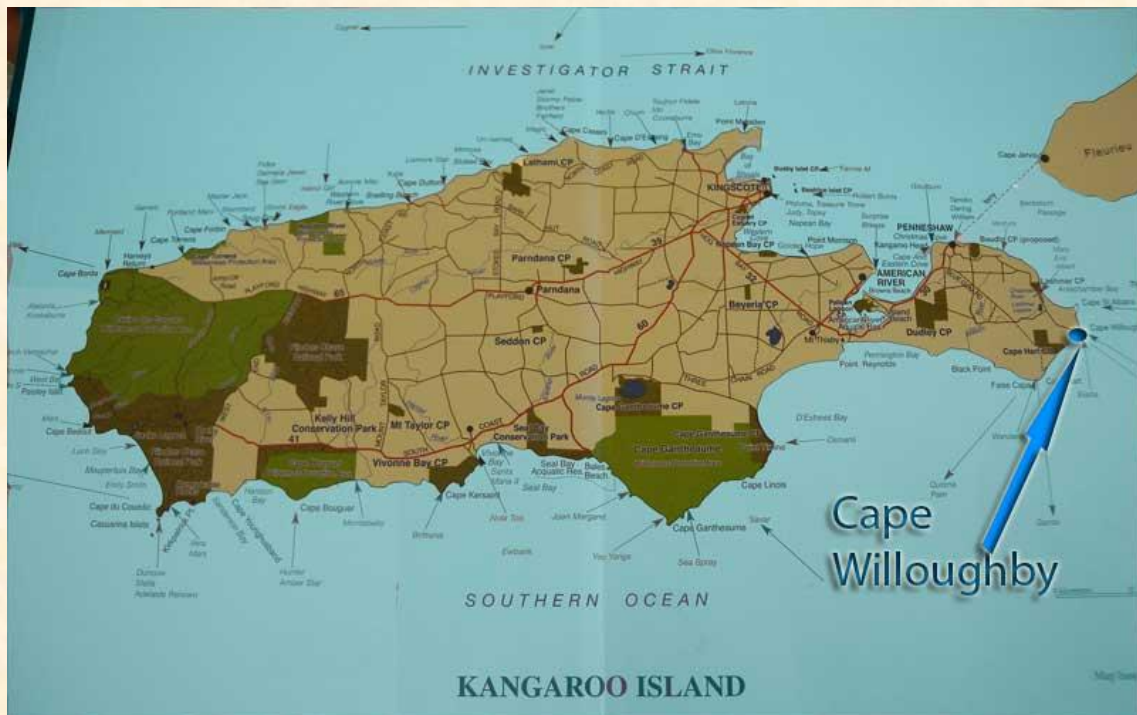
"Man cannot live by operating alone", the saying went.....  
Good food, wine, and camaraderie made for a great weekend.



John and spouse Deidre at the top of the lighthouse, enjoying the view and the fresh(!) air.

### ***Cape Willoughby—just one more photo***

*The lighthouse light flashing, and the light at Cape St Albans at the left, at the same time. The photographer would like people to think that the timing was deliberate, but..... (Photo by VK5EMI)*



*Shipwrecks along the coasts of Kangaroo Island (indicated by the small arrows). The dangerous coast-line of the island led to the building of four lighthouses (Willoughby, St Albans, Borda, and Cape du Couedic). Despite this enterprise, since then, quite a few ships and boats have come to grief on the rocks and shoals.*



The following is an FYI memo as well as being an “invitation to contribute” message to those interested in LF-MF amateur radio...

Firstly, thank you very much for the support given to **MF Down Under** : . . the first batch sold out in 19 days & second print run within another month. Copies went to Europe, USA, NZ & VK1-8 inclusive.

Due to popular demand I have commenced its sequel, (“**Cellar-dwellers on the go! Operating 2200, 630 & 160m away from home**”) following a similar Edited Compendium/Anthology format. This includes bona fide QRP operation on 136kHz, 472kHz & 1;8Mhz bands, but also Club field days, Contest activity from the beach & bush, SOTA, Parks awards, VKFF & WWFF – anything where an extension cord is not used!!!

Eight of the *MF Down Under* contributors to date have already accepted invitations for involvement, along with esteemed LF-MF authors from Ireland & the UK. Opportunity exists for global input to this tome, which will enrich the recipe.

It too is intended to be cost-recovery, given that it only has a lesser niche-within-a-niche market potential in economic terms.

As its Editor, I retain the role of content inclusion determination and am project-managing its production and promotion while embracing a similar publication format & quality that we have enjoyed with its predecessor.

**Very important message from the Collator & Printer: Submissions will need to be Word documents (NOT PDFs!!), 12pt font text with 14pt bold headings & all images/graphics/pix sent as separate attachment items with identifying notes to enable correct inserting into the text @ the commercial publishing point.**

The draft content structure includes:

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**Preface**

**Statement of Purpose**

**Acknowledgments**

**Contributors’ profiles**

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**Chapter 2: Frequently Asked Questions (FAQs)**

**Chapter 3: Revisiting LF & MF propagation & its relevance to field operation**

**Chapter 4: Early days**

**Quotable Quotes 1**

**Chapter 5: Portable/transportable reception on LF & MF**

**Chapter 6: Portable/transportable transmission on LF & MF**

**Chapter 7: Portable/transportable LF-MF aerials & earthing systems**

**Chapter 8: Portable/transportable modes of operation**

**Quotable Quotes 2**

**Chapter 9: Assembling a low power portable/transportable LF-MF amateur station**

**Chapter 10: LF-MF DIY projects**

**Chapter 11: In the LF-MF toolbox: testing & modifications on the run**

**Chapter 12: Commercial LF-MF corner: kits, component sourcing, plug & play reviews**

**Quotable Quotes 3**

**Chapter 13: Portable/transportable LF-MF shared anecdotes**

**Chapter 14: Pot pourri: an eclectic mix of LF-MF ideas, hints & feedback**

**References**

**Resources**

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This is a draft inclusion list only & will obviously be tempered by the material forthcoming from contributors. If you have interest & a submission in mind, please also let me know, including its topic/theme should you already have one in mind & where you see it fitting in the above structure.

If anyone wishes to design and/or construct projects + take some pix but not write an accompanying article, I am happy to be the scribe for them...better that than omit the article!!

55 pages have been keyed in to date, and I am already working material across & into the various chapter headings, references & resources lists, & looking forward to the parallel but quite different manuscript production.

The Canberra-based printers are on notice and I will endeavour to keep all involved up to speed on the status quo.

The publication release date is late March 2017 to coincide with the 2017 WIA AGM in Adelaide for a book launch, which means all submissions will need to be with me by late May 2017 at the latest.

Thank you & best 73

DE Doc, VK5BUG

#### **CONTEST RESULT FROM THE CHAMP, KEEPING THE CW FLAG FLYING:**

Hello John, Only item I have for you @ the moment is a contest result:

2015 OCEANIA DX CW Contest result

160m High power WORLD First place

High power OCEANIA First place

High power VK First place

Station: 170ft Inverted-L @ 36ft over 60 radials, FT-757GX & HB 2 x 813 monoband amplifier

VK5BUG/Doc

[Thanks, Doc—Ed.]