



REPEATERS VK3RGV 2m
& VK3RGV 70cm
CLUB CALL SIGN VK3SOL

SHEPPARTON & DISTRICT AMATEUR RADIO CLUB Inc

Incorporation No. A6677
P.O Box 692 Shepparton 3632 www.sadarc.org

Inside this Issue:

Mobile Amateur Radio ~ Classifieds ~ Member list ~

PRESIDENTS REPORT



Hi To Everyone,

By the time you read this newsletter I will be somewhere in the Northern Territory, portable/mobile, during my trip and hope to have worked many club members on HF. A copy of my sked times and frequencies was handed out at the last Club meeting. I will however be back in time to chair the next Club meeting.

At our last meeting we had 32

members and visitors, what a great result, and what a nice surprise to see Norma at the meeting, we all where very spoilt with those delicious cakes and scones that Norma prepared for us all, thank you Norma it was much appreciated by all.

Our next meeting will be held at the usual time, and on the FIRST SATURDAY IN MAY, please note we are back on track for the rest of the year, at the next meeting we are going to have a workshop/antenna working bee and discussion on the future Radio Room, we will also have a sausage sizzle during this meeting, if the members would like to bring along a salad or nibbles that would be great, prior to our last meeting we had a sausage sizzle with 20 members enjoying good conversation and the snags, and by the way, you may have noticed, this was at no cost, the voluntary dollar coin donations for the sale of the electronic bits and pieces that Greg donated to the club earlier this year fund these activities. To date we have had \$110.04 raised via the donation tin, we have spent \$70.24 on the sausage sizzles, bread, milk, coffee etc, and the system is working well.

Thanks to Jim VK2TWY for making the timber cabinets for our light project, Jim made the new cabinets available for all to see at the last meeting, we are now well and truly on the way to completing

this project and hopefully a world record for the Club, we thank Jim for his expertise and enthusiasm, a job well done, thank you, we hope to have something on the table to put together for this project at our next meeting.

The Stock Whip Antenna, well all was reviled at the last meeting with Pat VK3OV giving us all and demonstration and discussion on this antenna, very simple but very effective, thanks Pat, the hand out notes are in this newsletter.

Barrie VK3KBY has put his hand up as assistant treasurer, this is great, as this will help Allan, our current treasurer, perform his day to day duties as Treasurer.

To speed up the business process at our club meetings from here on in, we are going to table the minutes of the previous meeting, as printed, in the newsletter as being true and correct, we don't see a need for the Secretary to read the minutes after they have already been circulated for the members to read, the other Club business will be conducted as normal, also we don't print our Treasures report in the news letter, we prefer to keep this in house, because our news letter is circulated far and wide via other Radio Clubs, and we believe that our financial position is our business and not for public knowledge.

More new members join our club, the club is growing in leaps and bounds, to date we have 60+ members, this increase in membership will secure the future of the club, also, it is a great opportunity for the Management Committee to look at a succession plan, going forward, with so much youth in the club, it gives us all the opportunity to mould and train these newer members to the hobby for future executive positions, it also will help towards the security of our hobby in general.

Club politics, yes it does exist, for those members that were not at the last Club meeting, a letter was tabled from one of our members and directed at myself, I have no qualms about members expressing their feelings in the public arena, this is part of the democratic process, however your current Management Committee and myself as President were elected by the majority of the members present at the last AGM, not the minority, but in saying that I have every members interest at heart, and always will going forward to develop and expand and secure the Clubs future. I was however taken a back with the comment that I was fulfilling my own ego, if going forward and putting the club in its present position, membership, new club rooms, club project, repeater refurbishment, club

broadcasts, WIA rebroadcasts on HF and VHF, interesting club meetings, radio exams, strong Committee of Management, strong Technical Committee, regular newsletter, just to mention a few, if this is fulfilling my own ego that's great for the future of this club and its members.

Jacek VK3TJS and Les VK3TEX, are looking into to costs that would be associated with linking the VK3RGV/UHF Repeater at Mt Wombat via the world using IRLP Node network, the members present at the last meeting agreed that this was something worth pursuing, we look forward to Jacek and Les coming back with their findings.

During my absence, Robbie VK3HGC on behalf of VK3SOL will be conducting the 40mts WIA broadcast on 7.153 MHz at 10.00am Sunday mornings, thanks Robbie, for jumping at the opportunity in running this broadcast. Support Robbie with your call back.

Our Club Book Library is growing, thanks to Les VK3TEX for his donation to our library, an ARRL Handbook, we will be shortly taking stock of the books available to be lent out to Members.

Welcome to a past member for rejoining the club, Kane SWL (soon to be a licensed Ham) came along to the last meeting, he spoke briefly on his occupation, his knowledge of internet communications and wireless installations is immense, his input will be an asset to the club.

Danny VK3FDTH was presented with the much sort after Wombat Award, congratulations Danny, everyone has the opportunity to qualify for this award on the 80mtr Club Broadcast, which is run every Wednesday Night on 3.620 + - qrm at 7.00pm Local Shepparton Time, have a listen, and check in.

I have just received news from Kane, a current new member, Kane has just donated a P3 800/1.2Ghz Computer for the club rooms, this will help with the future activities of the club, Sat Tracking etc, thanks Kane that's the spirit.

73s Roger VK2RO Club President
SADARC

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Mobile Amateur Radio

Continued from last month

Antenna Tuning and Faults

1. The antenna can be home made or commercial. Shiny chromed commercial antennas can be quite inefficient. All connections on the antenna must be clean and firm. With commercial antennas tune them as required. Home made ones like mine take considerably more mucking about with to get them tuned up and without some test gear you will find this a very difficult task.

2. Remember that an antenna that is physically short on the wanted frequency may only have a drive impedance of 2 or 3 ohms. If it were to show say 35 ohms on 3.5 MHz this would indicate a problem with the earthing, corroded or bad connections, or too fine a wire on the loading coil. Not good as this radiation resistance (35 ohms) may be made up of resistance due to poor connections or too thin a wire used in the antenna-loading coil plus the 2-3 ohms of the radiation resistance – the only effective part of the total “resistance” shown at the antenna base. A dummy load has a 1:1 SWR and it doesn't radiate! 2 to 3 ohms doesn't match to a 50ohm cable and a transceiver at all well. In fact with later transceivers you may get little or no output from them. The matching can take the form of shunt capacity or inductance across the coax at the antenna base. This is in addition to getting the antenna tuned to frequency. Hence you have two interacting adjustments – antenna

tune and antenna match. Both need to be as precise as possible for best results. The thing is how to get both of these adjustments right. In times gone by we used a grid dip oscillator to get the antenna tuned to frequency and that can still be used. In conjunction with an SWR bridge the antenna can be got to tune. These two instruments have to be used together as just having a good SWR does not mean that the antenna is tuned to the required frequency. However, it is a very laborious task. A much better way to do this is with an antenna analyser such as the MFJ 259B. This and several similar instruments make tuning an antenna so much easier. They are expensive, so enlist the aid of an amateur friend who has one so that you antenna can be tuned. They are easily damaged so don't ask for a loan.

3. If you have one of the automatic antenna tuners mounted near the antenna feed point most of your worries will disappear with regard to tuning the antenna. However, this is an expensive option.

Interference

4. Interference from the automobile ignition system has been the bane of mobile operators ever since mobile operation commenced. Old vehicles have noisy ignition systems; most new cars are remarkably quiet electrically due to the ADRs that they have to meet. Often nothing has to be done or minimal shielding with foil or as I prefer bronze flywire which is bonded to

the motor. Diesels have always been quiet as there have been no spark ignition systems on them. However, the latest diesels are not quiet as they use electronic fuel injection, which has a characteristic similar to spark ignition. Regrettably diesels do not have to comply with spark ignition reduction requirements because it isn't a spark ignition. The layout of the motors (at least mine is) terrible and has so far beaten me in regard to suppressing this noise. I have made some improvements and I haven't given up, just haven't had enough time to experiment further. Ignition noise can be carried along the exhaust pipe and bonding it at the front, middle and rear helps. Bonding from the engine to the firewall or engine bay across the engine mounts with a flexible strap is worth a try. Bonding the bonnet to the engine bay/mudguards is worth a try. Most of the panels are painted then put together with bolts so the bonding can be quite poor. Noise limiters and noise blankers can make the remaining noise more bearably, although these devices can cause cross modulation and distortion of the received signals. Coaxial capacitors can also be used on the supply line to the ignition system and I hope to try that in the Jackaroo. Clip on ferrite rings are also worth a try as is shielding of some critical wires that are carrying interference. Regrettably the layout of some vehicles precludes much success in alleviating interference.

5. Power line interference is however another story and noise blanker and limiters are the only means of overcoming this problem unless you intend to use FM with hard limiting. BPL is sure to make HF mobile and fixed station operation very difficult too.

6. Good luck with your installation. The better you install the system, the better the results you will get. Except sometimes even though you have your antenna tuned it will not work on one band. Why? A good question. I posed this at the meeting on the 10th March. The antenna can be put on another vehicle and it will work with no retuning, why? This is a rare occurrence for which no one appears to quite sure what the answer is. It may be that the vehicle appears to exhibit a voltage peak (1/2 wave) at the antenna base. Maybe another location on the vehicle will overcome this problem – I don't know. I am quite happy to compare notes with others wanting to work HF mobile. Roger made an interesting and often overlooked point. When stationary the mobile station can be used as a portable station by running out radials from the base of the mobile antenna, and this will achieve better communications.

Good luck with HF mobile operation

Rodney VK3UG

NEWS FLASH!!!

For those travelling around the Hay area in NSW there is a IRLP node operating there on simplex freq 146.425mhz and the node Number is 6462 it has a coverage of around 60 Kilometers. The node is operated by Ian (Indy) VK2XB

Several weeks ago I was asked by a new licensee about any way to cure a problem that he was having with a touch-lamp. His XYL was a bit annoyed with him because when he was “yapping” on HF in the evenings, The bedside lamp cycled through its range of settings. Having had the same problem here but unable to find a cure, I advised him that, although there must be a fix somewhere I did not know what it was, to do what I did – replace the touch-lamp with a

normal one! Several nights ago while reading an old ARRL QST magazine, I found a letter to the technical Workshop from an amateur, KM6SN, who solved this very problem. I attach here an extract from his letter, however, not having tried it, I cannot verify whether it works as described. I was having an RFI problem with two of my neighbour's touch-controlled lamps, especially on 80 & 40 metres.

After receiving permission from my neighbour, I opened the lamps. In the

CAN YOU HELP?

I can organise a FREE broadband connection for the club, but my manager has put down one condition. We need at least one member to sign up with *Rockit* that will give us the government Subsidy of \$3000 which will allow us to give a free account to the club. Areas that are in that location is Dobson Estate, Ardmona, Lemnos, Pine Lodge. I know its not completely free but we just need one member who wants broadband in a

Hibis area and then we can go ahead with it. frustrates me but that's the best I can do at this stage. We would get a 1500k/256k connection with 3gb download and no hassles what we upload to the internet. Let me know what you think and we can go from there.

Kane

Touch-Lamp RFI

first one, I found a black plastic snap-together box containing the controller board. The board had a yellow wire that attached to the lamp's metal frame and a pair of 0.002uF disc ceramic capacitors, then fed the detector circuit through a 1K resistor. I simply cut the wire between the frame and the controller board, inserted a 2.5mH choke in series between the two wire halves, and used a liberal amount of insulating tape to cover the choke and attachment points. This cured the RFI completely!

Lamp No 2 was made by a different manufacturer, but it also had a yellow wire attached to the external metal lamp frame. Without bothering to investigate the circuit, I proceeded as I'd done earlier: I cut the yellow wire and placed a 2.5uH choke in series with the wire. It too completely cured the RFI to the lamp. Hope you are able to cure your lamp problems with this information.

Ed VK3BG

CLASSIFIEDS

Public Notice

GGREC Inc. HAMFEST

Saturday 22nd JULY 2006.

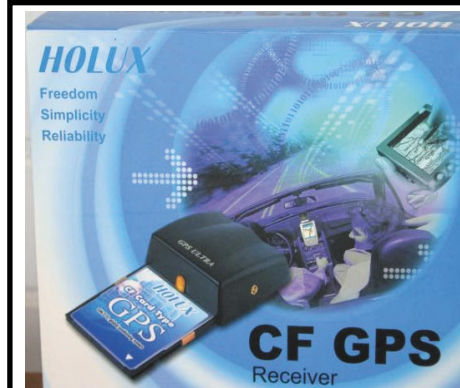
Gippsland Gate Radio & Electronics Club Inc Hamfest.
At our LARGE venue, the CRANBOURNE PUBLIC HALL,
located at the corner of Clarendon St and High St. *Melway 133 K4.*
(High Street forms part of the South Gippsland highway in Cran-
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40 tables of new and used Electrical, Electronic and Amateur Radio equip-
ment.

- Everything is under cover.
- Free Tea & Coffee available all day.
- A selection of hot & cold food will be available.
- A great Door Prize will be drawn at approx 1:30 PM.
- Doors open to sellers at 8.30 AM & buyers at 10.00 AM.
- Buyers can gain entry for \$5.00.
- Sellers will pay \$20.00 per table, which includes entry for two.
- Proceeds from the sale will go to the Gippsland Gate Radio & Electronics Club for the upgrade of facilities.

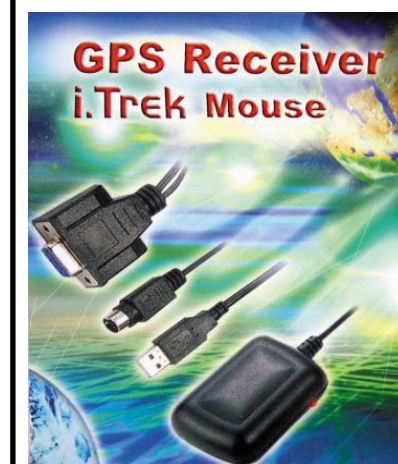
Persons wishing to reserve a table position must Contact
Dianne Jackson VK3JDI before the event on 03 5625 2545
to obtain a Stall Holder Information sheet.

Book early, positions are limited!

For Sale



New CF GPS Holux
GM-270-ULTRA.
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information.
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DID YOU KNOW?

That the Cobram Urban Fire Brigade
has been serving the Cobram & District
community since 1907.

They are pleased to announce that in 2007
they will be 100 years old.

Preparations are now being made to contact
past members and affiliates of the Brigade and are
also looking for any memorabilia from the Cobram CFA.
If you were once a member, or know of someone
who was involved with the Brigade then please let the
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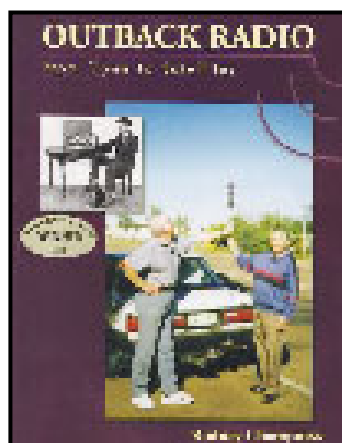
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OUTBACK RADIO

From Flynn to Satellites
By Rodney Champness
(VK3UG)



Outback Radio is a 186
page A4 size book com-
plete with a total of 92
diagrams, pictures and
circuits.

Up until now there has
been no book
published which has
traced the history of the
development of
communications
(particularly radio
communications) in
outback Australia.
The book shows the
social, educational, medi-
cal and business uses to
which radio communica-
tions have been put to in
the outback.
The story describes how

the equipment came to be
developed by Traeger and
others to meet the
impossible technical
requirements of the 1920s.
Radio was in its infancy at
that time.

The progressive improve-
ments in radio equipment
design and capabilities are
explored through the book
and end up with
the use of satellite phone
communications.
The author has been in-
volved in radio
communications all his
adult life and writes
professionally the column
Vintage Radio for Silicon
Chip.

The book is available from the
author at:-

6 Mundoona Court, Mooropna, 3629 or email: rodlynn@dodo.com.au
for \$39.95 per copy, plus \$8 for post in Australia for up to two copies.
Three or more copies post free in Australia.

Minutes of previous meeting

Shepparton And District Amateur Radio Club Inc. A6677S

Minutes of monthly meeting held on 8/4/06 at the Mooroopna Community Hall, Echuca Road, Mooroopna.

Meeting opened by President Roger VK2RO at 1404 hrs. *Present*

Jack 3TJS, Jan 3ALF, Max 3DSF, Pat 3OV, Duncan 3FDCC, John Ellis, Ernie 3BSD, Rob 3ECH, Bon Styles, Bill Crocker, Barri 3KBY, Norma Matthey, Max Matthey, John 3PXJ, Jim 2TWY, Danny 3FDTH, Les 3TEX, Daryl 3KLN, Tibor Nemeth, Neil 3XNW, Brian 3HBW, Les George, Kane Hinchliffe, Robert 3HGC, Mark 3HMB, Ed 3BG, Roger 2RO, Ross 3UCR. *Apologies*

Rod 3UG, Allan 3AYD, Ray 3RW, Neil 3KAL, Terry 3FTHS, Margaret and Neil Tingay.

Moved Les 3TEX, seconded Pat 3OV, carried. *Minutes*

Moved Ed 3BG, seconded Jack 3TJS, carried. *Business Arising*

Max 3DSF to form subcommittee for the comms day. Jan 3ALF's provisional booking of St Augustine's hall confirmed.

Treasurers Report

Moved Ross 3UCR, seconded Les 3TEX, carried. *Inward Correspondence*

AR magazine, Commonwealth bank statement, EMDRC newsletter, Membership Ross 3KVC.

Letter from John 3PXJ, tabled to be addressed in general business. *Outward Correspondence*

Letter to Sharman Stone re bpl, Letter of thanks to Ross 3KVC.

Moved Max 3DSF, seconded Danny 3FDTH, carried. *General business*

Welcome to new member Kane who is currently employed by a local internet service provider and involved in wifi installation.

Comms day committee last year, Max, Rob, Jan, Jack and Ross.

Committee for next Comms day, Max, Jack, Pat and Ross. Responsible for hall booking, contacting dealers, fliers, trestle bookings and advertisements. Preliminary notice advert in August AR magazine.

Moved Ross 3UCR, seconded Roger 2RO, carried.

Name badges distributed and a list made of members yet to receive badges.

Next meeting will be kept short to be followed by workshop and working bee session, rejuvenating donated antennas, running coax to the radio shack and commencing work on the radio operating area.

A plea for more member input to the newsletter.

AX prefix approved for Anzac day.

Advance notice of the RD contest in August.

80 metre roster commenced last Wednesday with good conditions and 13 checkins.

40 metre WIA news rebroadcast 10 am Sunday. Skip seems to be preventing local reception. Some relayed reports from VK3's unable to make direct contact. Winter will hopefully improve the propagation conditions for local reception. The operating frequency of 7.153 MHz has been chosen in light of WIA concerns that the higher end of 40 metres will be lost to commercial broadcasters if amateurs do not make use of this portion of their allocated band.

On 80 metres 12 year old Foundation licensee Cohen Lewis VK3FCLL has earned a Wombat Award.

Trans Tasman contest – Saturday 13th of May. There will be an 80 metre section for Foundation Licence holders and also sections for SWL's.

IRLP nodes – An internet connected computer is accessed from any point on the globe by licensed amateurs using "Echolink" or similar software. This computer controls a transceiver which then accesses a local repeater. For long term reliability the computer would use the Linux operating system. The computer hardware requirements and internet bandwidth are both quite modest. With a view to possibly setting up an IRLP node to access the 3RGV uhf repeater, Jack 3TJS, Les 3TEX and Kane will report on equipment requirements and costs.

Danny 3FDTH has received a Wombat Award.

Led transceiver project – The project is progressing well. Jim 2TWY has completed the boxes. PCBs are done and components

sourced. Mounting options for the boxes were discussed, possibility of adapting heavy tripods etc. Aiming accuracy is not a major issue.

Ed 3BG – has 2 callbooks and a logbook for sale.

Norma Forbes has donated electronics textbooks and a folder of licence application information to the club library.

BPL – The Queanbeyan trial, within close proximity produced 9+ hash right across 40 metres. At a distance of 3 kms from the source there was negligible effect.

American BPL firms are experiencing problems with data corruption due to local radio transmissions.

Kane described another option for broadband over existing infrastructure networks, using the gas pipelines as low loss conduits for a 2 gigahertz. This would appear to offer far greater data bandwidth with a much lower potential for harmful interference with other spectrum users.

Club library donations of '89 ARRL handbook from Les 3TEX and a '96 ARRL handbook from the estate of Alan 4SKL.

John 3PXJ's letter voiced concerns over the direction the club is taking, what he saw as un-necessary and unconstitutional actions on the part of the committee in changing the date of the AGM and the unsuitability of the clubs Mooroopna premises for the Comms day.

Addressing the last issue first, at a portion of the previous meeting which John unfortunately missed, submissions from Max 3DSF and Jan 3ALF addressed the problems presented by holding the Comms day at Mooroopna in regard to catering and the necessity for trestle hire as compared to St Augustine's hall which also has the advantages of familiarity and better parking for those attending. In light of this it was moved and carried that the previous decision to hold the Comms day at Mooroopna be overturned and that St Augustine's hall should be the venue for the Comms day.

In discussions expanding on issues over the club direction John was concerned about the allocation of funds for the Led transceiver and distance record attempt and also with the high costs associated with suggestions that a station be set up

on the new club premises, particularly in view of the little use received by the club equipment when the club was in its previous home at the Mechanic's Institute.

The Led club project was suggested, moved and carried as a club activity at meetings last year. Part of this project's attraction was that it allowed for full participation for all the club members since it did not require a licensed operator. Undertakings to fund the project were made at club level.

At the February '06 meeting, Bruce 3QC was coopted to the exec committee to employ his experience with applications for state, federal and community funding with a view to completing and equipping our new radio room. Given our association with the scouting movement in these premises there is a real expectation that funding will be found so we expect to be able to equip a radio room without major impact on the club reserves.

As part of our end of the deal which gave us a new home it was accepted that the club would assist the scouts in radio comms training and JOTA. We hope this will introduce new members to the amateur fraternity. The further advantage of an equipped radio station on the club premises will be for the practical requirement of licence assessments.

With regard to the timing of the AGM, in past years the treasurer has found it difficult to finalize the books following so quickly on the heels of the Comms day. Since there is a calendar of amateur events it is impractical to reschedule the Comms day. In terms of the constitution, an AGM shall be held within the calendar year. Its timing is not specified. There is an added advantage to holding the AGM in October if we maintain our current membership fees as due in July, since any issues of members being nonfinancial due to postal delays voting at the AGM will have had plenty of time to be sorted out.

Meeting closed at 1548 hours.

Followed by a presentation from Pat 3OV on the "stockwhip" 2 metre antenna.

SADARC MEMBERS

Roger Conway VK2RO
 Jim Day VK2TWY
 Ray Hughes VK2ZOR
 Ed Roache VK3BG
 George Francis VK3HV
 Pat O'Shannessy VK3OV
 Bruce Plowman VK3QC
 Ray Wales VK3RW
 Rod Champness VK3UG
 Trevor Pitman VK3VG
 Warren Heywood VK3WH
 Peter O'Keefe VK3YF
 Hilton Younger VK3AHY
 Bob Knaggs VK3AJN
 Jan VanKerkwijk VK3ALF
 David Waring VK3ANP
 Fred Kent VK3APA
 Allan Dobson VK3AYD
 Muriel Plowman VK3BJO
 Len Hearnese VK3BMY
 Ernie Harrison VK3BSD
 Max Johnston VK3DSF
 Bill Griffiths VK3DWG
 Graham Tremellen VK3GPT
 Robbie Moore VK3HGC
 Brian Webb VK3HBW
 Toby Corbett VK3HIV
 Mark Bennett VK3HMB
 Ian Sturman VK3JNC
 Dave Duff VK3JRA
 Neil Webster VK3KAL
 Rob George VK3KBV
 Barrie Halliday VK3KBY
 David Leonard VK3KDL
 Daryl Hitchcock VK3KLN
 John Waters VK3PXJ
 Les Tatar VK3TEX
 Jacek Szczurek VK3TJS
 Ross Smith VK3UCR
 David Harms VK3XDJ
 Neil Watt VK3XNW
 Wayne Collyer VK3XQA
 Ray Gardiner VK3YNV
 Greg Halley VK3ZKV
 Danny Hender VK3FDTH
 Cameron Grambau VK3FMCG
 Terrence Svoboda VK3FTHS
 David Lydford VK3FDGL
 Nandor Barabas SWL
 Max Berry SWL
 Duncan Cameron SWL
 Bill Crocker SWL
 John Ellis SWL
 Norma Forbes SWL
 Max Matthey SWL
 Norma Matthey SWL
 Margaret Tingay SWL
 Neil Tingay SWL
 Carol Tremellen SWL

S.A.D.A.R.C CALLSIGN VK3SOL

ROSTER for 80m

Name	Callsign	E_mail	Club WIA
Roger Conway	VK2RO	plus10@optusnet.com.au	5th APRIL
Jim Day	VK2TWY	jde1@bigpond.com	12th APRIL
Ray Hughes	VK2ZOR	rayhughes@dvd-cad.com.au	19th APRIL
Ed Roache	VK3BG	vk3bg@bigpond.com	26th APRIL
George Francis	VK3HV	vk3hv@bigpond.net.au	3rd MAY
Pat O'Shannessy	VK3OV	patbarb@mcmedia.com.au	10th MAY
Bruce Plowman	VK3QC	bplowman@westnet.com.au	
Ray Wales	VK3RW		17th MAY
Rod Champness	VK3UG	rodlynn@dodo.com.au	24th MAY
Trevor Pitman	VK3VG	jantree@satlink.com.au	31st MAY
Warren Heywood	VK3WH		7th JUNE
Peter O'Keefe	VK3YF	peter@solarcom.com.au	14th JUNE
Hilton Younger	VK3AHY	notlih@younger.id.au	21st JUNE
Bob Knaggs	VK3AJN		28th JUNE
Jan VanKerkwijk	VK3ALF	jkerkwijk@bigpond.com	5th JULY
David Waring	VK3ANP	waringbd@netc.net.au	12th JULY
Fred Kent	VK3APA	fred40@mcmedia.com.au	19th JULY
Allan Dobson	VK3AYD	radobson@mcmedia.com.au	26th JULY
Muriel Plowman	VK3BJO	mplowman@westnet.com.au	
Len Hearnese	VK3BMY	lenhearnese@bigpond.com	2nd AUG
Ernie Harrison	VK3BSD	ernbe@bigpond.com	9th AUG
Max Johnston	VK3DSF		16th AUG
Bill Griffiths	VK3DWG	vk3dwg@tpg.com.au	23rd AUG
Graham Tremellen	VK3GPT	vk3gpt@dodo.com.au	30th AUG
Robbie Moore	VK3HGC	robwendy@dodo.com.au	6th SEPT
Brian Webb	VK3HBW		13th SEPT
Toby Corbett	VK3HIV	vk3hiv@dragnet.com.au	20th SEPT
Mark Bennett	VK3HMB		27th SEPT
Ian Sturman	VK3JNC	namruts@bigpond.com	4th OCT
Dave Duff	VK3JRA	jdu29660@bigpond.net.au	11th OCT
Neil Webster	VK3KAL	kalnet@austarnet.com.au	18th OCT
Rob George	VK3KBV	rrgeorge@bigpond.com	25th OCT
Barrie Halliday	VK3KBY	barrieh@mcmedia.com.au	1st NOV
David Leonard	VK3KDL	vk3kdl@hotmail.com	8th NOV
Daryl Hitchcock	VK3KLN	vk3kln@netspace.net.au	15th NOV
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