

# SADARC

SHEPPARTON & DISTRICT AMATEUR RADIO CLUB

## JOHN MOYLE FIELD DAY



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

**Volume 9,  
Issue 4,  
May 2009**

### Office Bearers

**President:**  
Toby Corbett VK3PNF  
**Vice President:**  
Kane Hinchliffe VK3HKH  
**Secretary:**  
Les Tatar VK3TEX  
**Treasurer:**  
Ron Burns VK3COP  
**Public Officer:**  
Les Tatar VK3TEX  
**Membership Secretary:**  
Pat O'Shannessy VK3OV  
**Technical Committee:**  
Ray Wales VK3RW  
Neil Webster VK3KAL  
**Newsletter**  
Editor - Lisa Laffan.

**John Moyle Memorial  
National Field Day  
2009**

Awarded to  
**STEVEN HAMER**  
VK3DAG/P  
For First Place  
As a Portable Station  
Single Operator, Phone Only, VHF Bands Only Operation and 24 Hour Categories  
With a Score of 1510 Points during 77 Contacts

Contest Manager Date Congratulations President Date

First place certificate for the  
John Moyle Field Day was won by  
Steven Hamer VK3DAG.  
Categories won were, 24Hr, Portable,  
Single Operator, VHF and Phone section.

[www.sadarc.org](http://www.sadarc.org)

S.A.D.A.R.C. Postal Address  
P.O.Box. 692 Shepparton 3630 Vic.

# A WORD FROM THE PRESIDENT

## Presidents Report for May 2009



Hello to everyone.

I'd like to start by thanking Max VK3DSF and Steve VK3DAG for their ongoing commitment to keeping our nets on Wednesday nights a big success. Also a pat on the back for those members that run the 80 meter net on a roster system.

Well there are a few things happening this month what with D-Star being put up on the hill for a trial on 70cm and a club working bee. Members don't forget to attend the clubs practical day. This is all happening on Saturday 16th of May. Bring along all your bits and pieces or just come for a bit of a catch up.

After the last meeting a group of us all got together for a while and discussed all of the clubs current unfinished project (there are a few) Haa Haa. As a group some order was given to priority this included the 6m and D-Star repeaters for Mt Wombat. Research is being conducted on costing and viability for both of these. Also antenna systems at the clubrooms are in great need of attention. These are just some to name a few. Stay tuned as we get the ball rolling with all of these.

Also a quick reminder to anyone who has or knows the where abouts of some parts of the clubs LED project.

Our hamfest in September is fast approaching so could all members keep this in mind as we will be calling for volunteers to help share the load and make the event as much of a success as it was last year. We already

have some confirmations on booking which is fantastic to see.

As mentioned at our club meeting in June we will be having a presentation on D-Star and some practical demonstrations conducted by Ross Mentiplay and some fellow colleagues from the Eastern and Mountain districts Radio Club. We will start proceeding with a BBQ followed by our meeting at 1pm then the presentation from the ERMDC.

So if you are available please take the time to attend.

Just a quick reminder to send all of your news, projects and interesting photos to Lisa for the newsletter. Thanks to all those who contributed in May's edition.

Well enough from me, I hope you all have a good month and hope to see some of you at all the clubs events this month.

Talk to you all soon.

Cheers and 73s

Toby VK3PNF

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## Fair dinkum volunteers wanted

For the Wednesday night 80 Meter HF net. Starting at 6:30 PM local. We only require people who wish to do the Net.

\*If you are already a volunteer and want to be taken off the current roster please contact Steven Hamer, and the roster will be rearrange.

\*If anyone on a current roster can't make it for any reason, could they also contact Steve Hamer and arrangements for someone else to fill in for them will be made. If no one else is able to fill in Steven Hamer will cover it.

To volunteer or for any more information please contact

Steven Hamer.

VK3DAG,

0417129910 0358254461

vk3dag@wia.org.au

# Minutes of May Meeting

SADARC Minutes of the meeting held on May 2nd 2009

Shepparton and District Amateur Radio Club Inc A6677S. Minutes of the monthly meeting held on the 2nd of May 2009 at the Mooroopna Scout Hall, Echuca Rd Mooroopna.

Meeting was opened by club president Toby, VK3PNF at 13:00 Hours.

## Present:

Steve Hamer VK3DAG, Pat O'Shannesey VK3OV, Max Johnston VK3DSF, Wayne Colleyer VK3XQA, Brian Webb VK3HBW, Alan Vearing VK3FALN, John Waters VK3PXJ, Ron Burns VK3COP, Rob Macgregor VK3MAC, Darren Glasson VK3HEN, Rodney Champness VK3UG, Kane Hinchliffe VK3HKH.

## Apologies:

Jan VK3ALF, Wes VK3DDT, Terry VK3MAR, Peter VK3FBEN, Neil VK3KAL, Angela VK3FELT, Bob Bird, VK3???, Alan VK3AYD.

Minutes of the previous meeting:

Minutes of the previous meeting were circulated and read by the members.

Moved to be accepted by Tibor VK3FTIB and seconded by Steve VK3DAG. Carried.

Business arising from the previous meeting:

Tibor queried the issue of the Tocumwal SES tower that Danny VK3FTHS wanted to pick up for the club. Les VK3TEX explained the situation at the present time and told him things were in hand. Danny will draft a letter to the SES and send it to Les the secretary and the club will vote on the letter and get it sent off.

## Treasurers Report:

Ron VK3COP handed the treasurers report out to the members for their perusal. Moved by Ron VK3COP to accept the report, seconded by Steve VK3DAG. Carried.

## Correspondence:

Inward: The certificate of currency for the public liability insurance came via email. And a promotion for Youngsters/people getting into Amateur Radio was also received via email from the WIA.

Outward: None.

## General Business:

John VK3PXJ moved a motion to write a letter to the WIA to have a look at the interference on the 2 meter repeater by the button pusher. Seconded by VK3HBW and carried. This motion was on the proviso that we collect enough

evidence for the WIA to make it viable for them to investigate the matter.

Toby commented on the working bee up at Mt Wombat and gave a quick rundown on what we will need and numbers of people. It will be held on the third Saturday in May.

Les VK3TEX suggested that someone should go up before the working bee to see what actually needs to be done and what tools will be needed.

Ron VK3COP commented on the Hamfest and the need for a separate sub committee to organize the event. He also commented on the state of some of the tables (trestles) and where and who we would borrow them off.

It was suggested that a letter be written to the Shepparton CFA to ask if we could borrow some tables this year so they are aware of our intentions.

Steve VK3DAG also commented that we could go down to the hall and with some basic tools we could fix up the tables that are crook. Max VK3DSF said this would be a nice goodwill gesture to the people who own the hall. Pat VK3OV would contact the hall committee and see if we could go in and fix the tables about a month before the Hamfest.

Les VK3TEX would send an email to each of the

commercial traders to see who would come to the event. Rodney VK3UG commented a very good point that a procedure should be written on the steps of how to organize and run the Hamfest. This was agreed to by all the members.

Toby commented that next meeting we will have a special presentation from the EMDRC on Dstar.

Any expressions of interest in the extendable fiberglass squid poles were also asked for by Rodney VK3UG who would order some if anyone was interested.

Ron VK3COP commented that the SADARC and Midland ARC BBQ went very well and a great time was had by all.

Rodney asked about the LED project, and Toby suggested that after the meeting we would have a chat about what the priorities are of the various projects that the club has on the go at the moment.

Kane VK3HKH had a faulty UPS power supply that needs repair. He asked for any members that may be able to help in repairing the unit.

Meeting was closed by Toby VK3PNF at 14:00 Hours.



# Have a laugh

## Summary of Life

### GREAT TRUTHS THAT LITTLE CHILDREN HAVE LEARNED:

- 1) No matter how hard you try, you can't baptize cats.
- 2) When your Mum is mad at your Dad, don't let her brush your hair.
- 3) If your sister hits you, don't hit her back. They always catch the second person.
- 4) Never ask your 3-year old brother to hold a tomato.
- 5) You can't trust dogs to watch your food.
- 6) Don't sneeze when someone is cutting your hair.
- 7) Never hold a Dust-Buster and a cat at the same time.
- 8) You can't hide a piece of broccoli in a glass of milk.
- 9) Don't wear polka-dot underwear under white shorts.
- 10) The best place to be when you're sad is Grandpa's lap.

### GREAT TRUTHS THAT ADULTS HAVE LEARNED:

- 1) Raising teenagers is like nailing jelly to a tree.
- 2) Wrinkles don't hurt.
- 3) Families are like fudge..mostly sweet, with a few nuts.
- 4) Today's mighty oak is just yesterday's nut that held its ground.
- 5) Laughing is good exercise. It's like jogging on the inside.
- 6) Middle age is when you choose your cereal for the fibre, not the toy.

### GREAT TRUTHS ABOUT GROWING OLD

- 1) Growing old is mandatory; growing up is optional.
- 2) Forget the health food. I need all the preservatives I can get.
- 3) When you fall down, you wonder what else you can do while you're down there.
- 4) You're getting old when you get the same sensation from a rocking chair that you once got from a roller coaster.
- 5) It's frustrating when you know all the answers but nobody bothers to ask you the questions.
- 6) Time may be a great healer, but it's a lousy beautician.
- 7) Wisdom comes with age, but sometimes age comes alone.

### SUCCESS:

- At age 4 success is . . . Not piddling in your pants.
- At age 12 success is . . . Having friends.
- At age 17 success is . Having a drivers license.
- At age 35 success is . . Having money.
- At age 50 success is . . Having money.
- At age 70 success is . . . . Having a drivers license.
- At age 75 success is . . Having friends.
- At age 80 success is . . Not piddling in your pants.



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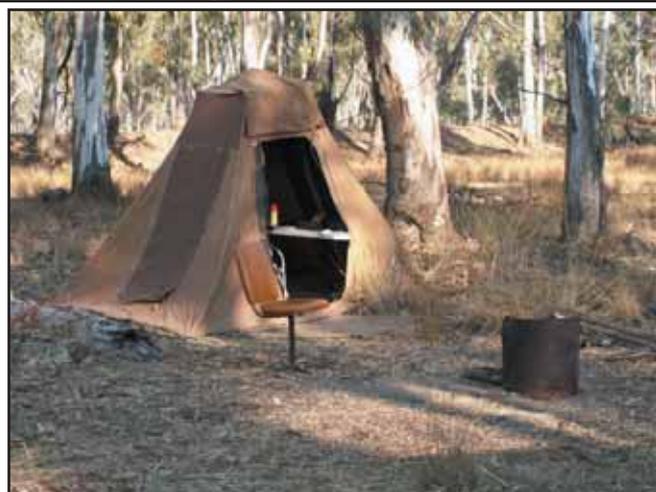
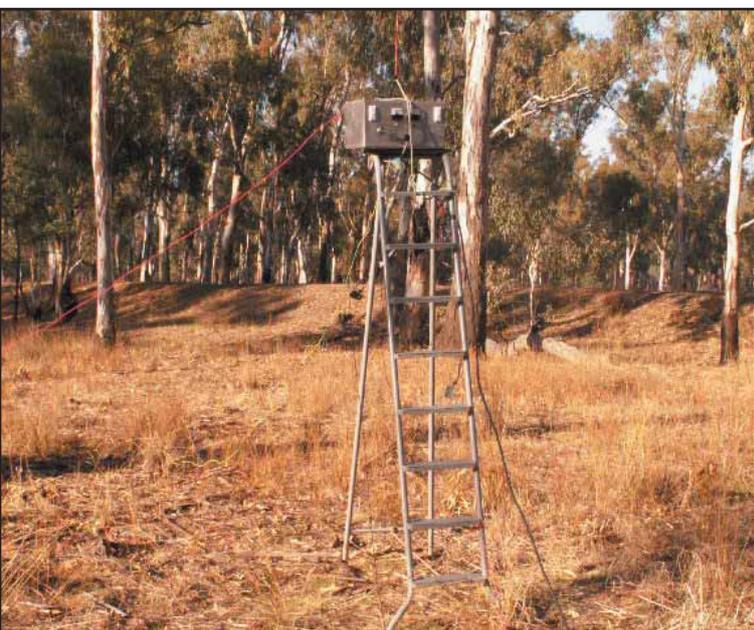
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Some images of the VK Trans Tasman weekend. Quarterwave 80 Meter vertical. This was done from the Goulburn River north of Undera.

Cheers Steven VK3DAG.



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# coax cables

Coaxial Cable Technical Data

Cable Type	Dialectric	Relative Propagation Velocity (V <sub>f</sub> )	Dielectric Constant (ε <sub>r</sub> )	Nominal Atten. dB/m @ 1000 MHz
RG8, 8A, 10, 10A	P	0.659	2.303	0.262
RG9, 9A	P	0.659	2.303	0.289
RG14, 14A	P	0.659	2.303	0.256
RG17, 17A	P	0.659	2.303	0.180
RG18A	P	0.659	2.303	0.144
RG19A	P	0.659	2.303	0.118
RG20A	P	0.659	2.303	0.118
RG21, 21A	P	0.659	2.303	1.411
RG29A	P	0.659	2.303	0.531
RG55, 55A, 55B	P	0.659	2.303	0.541
RG58, 58B	P	0.659	2.303	1.574
RG58A, 58C	P	0.659	2.303	0.787
RG71, 71A, 71B	P	0.659	2.303	0.394
RG87A	T	0.840	1.417	0.249
RG94A, 115, 115A	T	0.710	1.984	0.230
RG117, 118	T	0.659	2.303	0.115
RG119, 120, 126	T	0.659	2.303	0.180
RG140	T	0.659	2.303	0.197
RG141	T	0.659	2.303	0.427
RG142	T	0.659	2.303	0.443
RG143	T	0.659	2.303	0.312
RG144	T	0.659	2.303	0.030
RG178B	T	0.659	2.303	1.509
RG179B	T	0.659	2.303	0.787
RG187, 188	T	0.659	2.303	1.017
RG214	P	0.660	2.296	0.292
RG223	P	0.659	2.303	0.165
FSJ1-50A	P	0.840	1.417	0.197
FSJ2-50	P	0.830	1.452	0.134
FSJ4-50B	P	0.810	1.524	0.119
LDF4-50A	P	0.880	1.291	0.077
LDF5-50A	P	0.890	1.262	0.043
LDF6-50	P	0.890	1.262	0.032
LDF7-50A	P	0.880	1.291	0.027
LDF12-50	P	0.880	1.291	0.022
FE25	T	0.760	1.731	0.150

Table A-1. Coaxial Cable Technical Data (1 of 2)

Cable Type	Relative Propagation Velocity (V <sub>f</sub> )	Nominal Attenuation dB/m @ 1000 MHz
RG8, 8A	0.659	0.262
RG9, 9A	0.659	0.289
RG17, 17A	0.659	0.180
RG55, 55A, 55B	0.659	0.541
RG58, 58B	0.659	0.558
RG58A, 58C	0.659	0.787
RG142	0.690	0.443
RG174	0.660	0.984
RG178B	0.690	1.509
RG188	0.690	1.017
RG213	0.660	0.292
RG214	0.659	0.292
RG223	0.659	0.535
FSJ1-50A	0.840	0.197
FSJ2-50	0.830	0.134
FSJ4-50B	0.810	0.119
LDF4-50A	0.880	0.077
LDF5-50A	0.890	0.043
LDF6-50	0.890	0.032
LDF7-50A	0.880	0.027
LDF12-50	0.880	0.022
HJ4-50	0.914	0.087
HJ4.5-50	0.920	0.054
HJ5-50	0.916	0.042
HJ7-50A	0.921	0.023
LMR100	0.800	0.792
LMR200	0.830	0.344
LMR240	0.840	0.262
LMR400	0.850	0.135
LMR500	0.860	0.109

## A note from Rodney VK3UG

There has been some interest in the 9 and 10 metre long squid poles which make very good portable antenna masts. These poles concertina down to around 1 metre and are stored inside a cylindrical tube for protection. Info on the poles has been included in the last newsletter for those who want more info. The supplier is currently out of stock, but expects to have them in stock by the end of the month. The price of the 9 metre ones was \$36, plus freight, however, I don't know what the price will be of the new ones yet. I would suggest that the 10 metre version will be the better one to purchase as it is virtually resonant (with wire attached) on 7 MHz. Other bands can be matched or loaded - 1.8, 3.5, 10.0, and 14.0 MHz. If we can get an order of 10 poles we may get a discount for quantity and the freight charge will be less too.

I have 5 interested at this stage in the S.A.D.A.R.C. area. If you are interested contact me on [rodlynn@tpg.com.au](mailto:rodlynn@tpg.com.au) or 03 5825 1354 and I will then contact you when I have further information.

Cheers Rodney VK3UG

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# coax cables cont...

Table A-1. Coaxial Cable Technical Data (2 of 2)

Cable Type	Relative Propagation Velocity ( $V_f$ )	Nominal Attenuation dB/m @ 1000 MHz
LMR600	0.870	0.087
LMR900	0.870	0.056
LMR1200	0.880	0.044
LMR1700	0.890	0.033
HCC12-50J	0.915	0.042
HCC78-50J	0.915	0.042
HCC158-50J	0.950	0.023
HCC300-50J	0.960	0.014
HCC312-50J	0.960	0.013
HF 4-1/8" Cu2Y	0.970	0.010
HF 5" Cu2Y	0.960	0.007
HF 6-1/8" Cu2Y	0.970	0.006
FLC 38-50J	0.880	0.115
FLC 12-50J	0.880	0.075
FLC 78-50J	0.880	0.045
FLC 114-50J	0.880	0.034
FLC 158-50J	0.880	0.029
CR50 540PE	0.880	0.070
CR50 1070PE	0.880	0.038
310801	0.820	0.115
311201	0.800	0.180
311501	0.800	0.230
311601	0.800	0.262
311901	0.800	0.377
352001	0.800	0.377

RETURN LOSSES (db) FOR [REDACTED] BASE STATION ANTENNA SWEEPS

Feeder length in Metre's	AT [REDACTED] 900 MHz				AT [REDACTED] 1800 MHz			
	LDF4-50	LDF5-50	LDF6-50	LDF7-50	LDF4-50	LDF5-50	LDF6-50	LDF7-50
10	14.4	13.8	13.6	13.5	15.0	14.2	13.8	13.7
20	15.8	14.5	14.1	13.9	17.0	15.3	14.7	14.4
30	17.3	15.3	14.7	14.4	19.1	16.5	15.5	15.1
40	18.7	16.1	15.2	14.8	21.1	17.6	16.3	15.8
50	20.1	16.9	15.8	15.3	23.1	18.8	17.2	16.5
60	21.5	17.6	16.3	15.7	25.1	19.9	18.0	17.2
70	23.0	18.4	16.9	16.2	27.1	21.1	18.8	17.9
80	24.4	19.2	17.4	16.6	29.2	22.2	19.7	18.6
90	25.8	20.0	18.0	17.1	31.2	23.4	20.5	19.2
100	27.2	20.7	18.5	17.6	33.2	24.5	21.3	19.9

(And also Return/Losses In DB,s\_ No 50.0ohm Termination on End of Feeder)

Above the COAXIAL CABLE TECHNICAL DATA.003.jpg(385KB)  
Any Questions "Prank" My Mobile No=(0428309827) & I will Phone you Back!

Best Regards, Greg Halley (VK3ZKV).

**Remember all membership renewals are due by the 1st of July 2009. Included in this newsletter is a renewal / application form. This form will be included in following issues of the newsletter. Please complete the form and return it with your money to Shepparton & District Amateur Radio Club, P.O Box 692, Shepparton, Victoria 3632 before July the 1st to continue your membership.**



# **MEMBERSHIP & RENEWAL FORM**

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