

Shepparton & District Amateur Radio Club Inc



PO Box 692 Shepparton 3632
Incorporation No. A6677
<http://www.sadarc.org>
Club Callsign VK3SOL



New Office Bearers 05/06

The Annual General meeting of the Shepparton and District Amateur Radio Club Was held on Saturday 2nd July at the SES building , with some surprise changes President - Roger Conway VK2RO

Vice- President - Barry Halliday VK3KBY

Secretary - Ross Smith VK3UCR

Treasurer - Alan Dobson VK3AYD

Public Officer - John Waters VK3PXJ

Publicity Officer - Jacek Szcurek VK3TJS

Technical officers - Ray Wales VK3RW

Jan Van Kerkwijk VK3ALF

Committee - Ed Roache VK3BG

Committee -Jan Van Kerkwijk VK3ALF

Committee-Les Tatar VK3TEX

News Editor - Daryl VK3KLN

16 Members attended with 3 Apologies

Volume 1, Issue 1

Newsletter Date
July 05

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News

We would like to bring back the Wombat Award for contacts of SADARC in accordance with the rules log book & rules are attached .

The Communications Day will be held on Sunday September 11th at Saint Augustine's hall in Orr St Shepparton add this date in your diary.

We also need more club members to call in on the Wednesdays Club Broadcast at 8 pm and we also hope to have a 80 meter hookup in the near future.

There will also be a For sale/Wanted in the Newsletter if you have any goods for sale or want to buy send details to me see below.

The next Club Meeting will be held on Saturday August 06 at 2 pm

Please forward any news to vk3kln@netspace.net.au or Post D.Hitchcock P.O Box 362 Cobram 3644 Phone: 03 5871 1444

FOR SALE

Book -Outback Radio from Flynn To Satellites for just \$39.95 each
Plus postage \$8 often available at Club meetings, will also be available
Along with vintage radio gear and Laurie Gleeson's equipment will be for sale at
the communications Day. Contact Rod at 6 Mundoona Court Mooroopna 3629
Tel 03 582 51354

**Icom Top of The range SM-10 Compressor/Graphic Equalizer Desk
Top Microphone, good condition \$160 Roger VK2RO**



WANTED

**Les ,VK3TEX is looking for a 2Kw antenna tuner plus manual
If you can help contact Les on Tel 0407 829 098**

**Jan ,VK3ALF wants a transceiver 150-200 Watts with manual
No preference on brand, for further information contact Jan on
Tel 03 5831 3458**

FROM THE WIA VICTORIA RE THE RD CONTEST

Subject: For VK3 club newsletters, nets and meetings

For VK3 club newsletters, nets and meetings

VK3 can win RD Contest 2005

All radio amateurs in Victoria are being encouraged to prepare for and participate in the WIA Remembrance Day Contest on the 13th and 14th of August.

Victoria last won the RD trophy in 1995, the year before the rolling two year bench-marching improvement factor formula to measure state Performance was introduced.

Under that formula Victoria had little chance of winning again until the Year 2010.

The WIA has responded to concerns about the rules. Under the new rules for 2005 the winning State will be the one with the highest participation rate, that is the percentage of stations in the callbook which submit entries.

A campaign is now underway to get as many VK3's as possible in the contest, and very importantly, submitting log entries. All radio clubs are being asked to get behind and actively support this campaign.

The contest is an important commemorative event held in the memory of those

Australian radio amateurs who died serving their country in World War 2, and as a fun activity for individual radio amateurs and shortwave listeners.

See you in the Remembrance Day Contest 2005, 13 and 14th of August.

Rgds Jim Linton VK3PC
President
Amateur Radio Victoria.

Amateur Radio Victoria (WIA Victoria)
40G Victory Boulevard
ASHBURTON 3147

Website: amateurradio.com.au

WIA broadcast each Sunday 11am and 8pm
80m - 3615kHz, 40m - 7085kHz, 10.130 USB
VK3RML Mt Dandenong 146.700, VK3RMM Mt Macedon 147.250
VK3RWG Mt Baw Baw 147.225, VK3RMU Mt St Leonard 438.075
VK3RGV Mt Wombat 146.650 , @ 10.00 am each Sunday

The first Radio Transmitter 1884

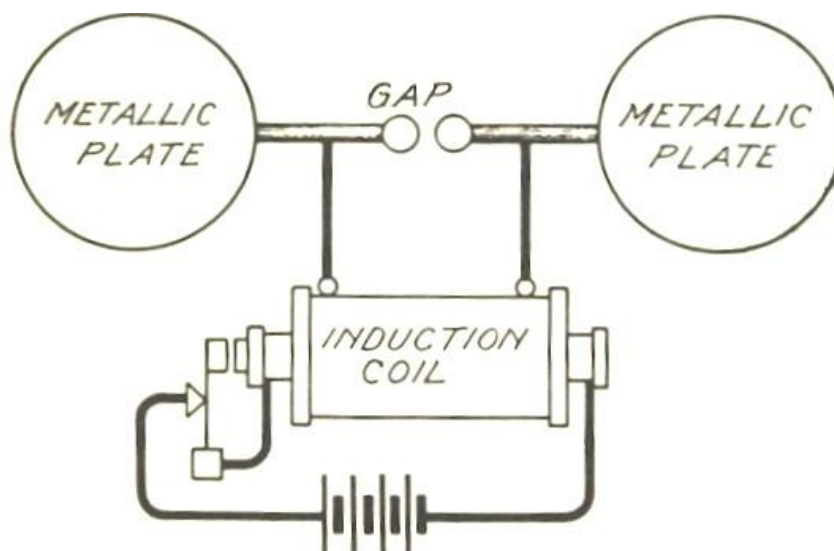


Fig. 4 WORLD'S FIRST RADIO TRANSMITTER, built by Hertz in 1884, generated 100 MHz waves in vicinity of today's FM broadcast band. A discharge capacitor, made of large metallic plates was excited by an induction coil. Circuit inductance was supplied by rudimentary dipole antenna, broken at the center for the exciting spark gap. In one form or another, Hertz's spark transmitter was used for radio communication until after World War I and served as stand-by equipment on ships until the "thirties".

IN THE PAST

News continued

Rob VK3BV has spoken to Rob at Discount Cables and he is planning to attend the Shepparton Communications Day.

The newsletter will be emailed / posted in the third week of the month so make sure you get News & or Wanted / For Sale in by the Friday of the second week.

If there are any important news or events that arises during the month you will be notified by email or post

On Sunday 17th July Ray Wales Ed Roache & Myself went to Mt Wombat and replaced FM 828 radio and the Controller with one of VK5DJ DESIGN with the latest technology using a PIC16F628, now we can control and change settings to the Repeater by remote.

ED

REPEATER INTERFERENCE MEETING

Meeting 21st June 7 pm SADARC Inc, 6 Mundoona Crt, Mooroopnare

Two Metre Voice Repeater Interference

Apologies from Max and Norma Matthey, and Ray Wales

In attendance - Merv Hooley (ACA), Max Johnston, John Waters, Pat O'Shannessy, Ross Smith and Rodney Champness.

Merv gave the meeting a run down on what is causing the problem on the 2m voice repeater 146.65/146.05 MHz

A 3rd order intermodulation product causes the interference. There is a trunking service with a control channel and two working channels. The control channel and the second lesser-used channel mix with the repeater output to produce a product on the repeater input channel. $\text{Ctrl} + \text{Rpt o/p} - \text{user ch} = \text{Rpt input}$.

Our equipment is not the cause of the trouble. There is a mix somewhere on the mountain in say a rusty wire, etc. which reradiates the mix product into the repeater input.

No filters on the amateur repeater will fix the problem. However, Merv recommends that the repeater have a ferrite isolator and low pass filter fitted between the transmitter and the cavities so that no mixing of products coming down the antenna to the transmitter cause mixing in the transmitter output. He also recommends that a band pass filter (cavity) be fitted between the receiver input and the cavity resonators to restrict the input to the receiver to a narrow band of frequencies. The current filters whilst necessary are the minimum necessary for a low density RF use site, whereas Mt Wombat is now a high-density site. The cost of the isolator is around \$400, cavity \$?

Merv reports that there are two solutions to the problem.

(1) Change the repeater channel. However, he believes this may create problems with other repeaters at some distance from Mt Wombat.

Eliminate the frequency (channel) used by the trunking people and allocate one or more of the potentially available channels (usually 3,4 or 5 channels available) with the interfering channel the last to be selected. The problem here is cost. Vertel the group involved is unlikely to be interested in assisting if there is a cost to them.

(2)

How to go about the change of working channel for Vertel. Talk with them about getting a change of channel within their general allocation. Get a quote for this. RI advised us of the trouble. There is also an assigner's cost (ACA) or others. Suggested that we write a "sob" story about the problem and our lack of funds and value to community.

We don't want a dud assignment, and perhaps this was, as it is not possible to get around it without a change of frequency by one or other of the services.

It is suggested that we talk with Peter Mill WIA (VTAC) re this problem, as he is more familiar with the methods of overcoming it than we in Shepparton.

President's Report

Hi To Everyone,

Since the AGM held in early July 2005, your executive has been very busy, and enthusiastic, it is the intention of the current executive to be positive and mindful of its actions going forward during the rebuilding phase. The number one priority of the club is to rebuild our membership numbers, this can be achieved very quickly with the support of the current membership, in the promotion and positive action of each individual, on a club level, this can be achieved through the support of the current executive, with its new ideas, and through promotion of its future activities, I urge every member of the club, to support your club, in a positive manner, and participate in the up and coming activities where possible.

As you are probably aware by now, the WIA Broadcast and the VK3 News is being rebroadcast on our repeater VK3RGV, this takes place on Sunday mornings at 10.00am Local Time, it would be appreciated if the members and listeners could check in after the broadcast with a report, your Net Control Manager will be Max VK3DSF. Our own club news will still take place on Wednesday Evenings at 8.00pm local time until further notice, however it is the intention of the executive to run the club broadcast on 3.620 MHz SSB on Wednesday evenings, simultaneously with our FM Repeater VK3RGV on Wednesday evenings local time 7.30pm, please note the time change, we will notify the members when this change will take place.

The Wombat Award has been upgraded, thanks to Daryl VK3KLN, this Award will be available for the members to view at the next Club Meeting, and also The Wombat Award rules will be available for your perusal.

The Communications Day is on track, we will only have 20 trestles available on the day for hire, first in best dressed, please contact Jan VK3ALF for further information. I am open for ideas from the members, but what about a club table? The kitchen at the venue for our Communications Day has been declared compliant, the only issue now is to have someone running the kitchen accredited in food handling, VK3TJS Jacek's wife Bozena, has volunteered to attend a 2 day certificate course for food handling at TAFE, here in Shepparton, we thank Bozena for giving up her precious time and assisting the club in its needs. **“Now that's what you call positive and supportive”**

VK3RGV Repeater interference, it was agreed by all that attended our last executive meeting earlier this month, to hunt down and repair where possible the Interference, more on this at the next meeting.

Our club is going to participate in the up and coming RD Contest, 13-14 August. VK3SOL is going to submit a log, with the assistance of all of the members, whether licensed or SWL. Due to the fact that we don't have our own club rooms, we will roster individual operators to participate in the RD Contest for one hour periods using VK3SOL Portable, any SWL that would like to have a go you can also submit a log as a SWL, or make yourself available to attend at a fellow members home and use the Call sign VK3SOL under supervision. Full details and Rules will be available for discussion at our next meeting, please give some consideration for a time slot that you would like to operate.

Other items of news will be discussed fully at the next meeting are as follows, JOTA, we are going to set up a JOTA Radio Station this year, operators and volunteers will be needed, I have had some early discussions with Vic Scout, which have been met with enthusiasm, more on this later.

President's Report cont

Spring Field Day Contest in November 2005, 50mhz, 144mhz, 432mhz, 1.2ghz and also 2-5ghz, SSB,FM,CW, VK3SOL will all be portable and operating from a hilltop site to be nominated, this will be a fully operational field day club activity everyone can get involved in, more on this latter.

Ed VK3BG has expressed an interest in hiring a mini bus and travelling to Melbourne, to visit Amateur Radio and Discount houses, Ed will discuss this at our next meeting with costs etc.

Guest speakers for our next meeting, I am trying to secure Wayne VK3XQA, to come along and give us an update on his ATV Repeater project, myself VK2RO to give a short talk and presentation on a portable operation, and contacts that I had in Tasmania via Oscar 14 Communication Satellite, 2mts/70cm FM Voice mode. And also touch on my maritime portable operation on board the Tassie Ferry via 2mts across Bass Straight.

73s For now, Roger VK2RO