

# SHEPPARTON & DISTRICT AMATEUR RADIO CLUB Inc



Incorporation No. A6677

P.O BOX 692 SHEPPARTON 3632

<http://www.sadarc.org>

REPEATERS VK3RGV 2MT & VK3RGV 70CM  
CLUB CALLSIGN VK3SOL

**Merry Christmas to one and all.**

## END OF YEAR SADARC CHRISTMAS BARBEQUE 2005



What a great day we all had, plenty of member support and Ladies, it was very refreshing to see the support on the day, the highlight of the day was of course the 3 Life Membership Certificates that were presented to Jan, Max and Pat, congratulations and well deserved, we also handed out Flowers to our ladies for their support during 2005, they were well received, and Certificates of appreciation where also presented. Plenty of meat was on the offering, and also plenty of plates of goodies supplied from the

membership. Plenty of conversation and laughter also took place, Ed sold all of the call books and Foundation License Books, we ran a raffle for a lovely 2mtr hand held, and how fitting for Danny to win it, he also just passed his Foundation License exam with Terry, congratulation to both if you. We conducted our normal meeting at the Barby, this also was well received and would you believe a new member walked of the street to join the club, Neil VK3XNW welcome to the club, it was good to see you on the day. Also it was great to

meet all those new members and to put a face to a call sign, they came from far and wide, what a surprise for Daryl to receive a bottle of Johnny Walker Black Label Scotch from and on behalf of the Club for all his hard work, he was surprised. Unfortunately I did not have much time to mix with the group due to Club work commitments, but I must add I felt quite proud to be associated with like minded people and thank you again for your support, 73s Roger VK2RO

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*WISHING EVERYONE A VERY MERRY CHRISTMAS  
AND A HAPPY AND SAFE NEW YEAR*



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**KENWOOD**





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## CLASSIFIEDS

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For Sale:-FM92 Radios  
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Cradles By One For  
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Free!

For Sale:-FM900  
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Metres Long GWO  
\$10:00 Each!

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all Types, Front Plug &  
Back Din Plug GWO  
\$10:00 Each!

For Sale:-FM900 Trunk  
Cables 400mm Long  
(ShortType)GWO  
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### FOR SALE

For Sale:-FM900 Mics  
all Types, Front Plug &  
Back Din Plug GWO  
\$10:00 Each!

For Sale:-FM900  
Original Mic Clips  
with Scan Magnet  
\$2:00 Each!

Contact:- Greg Halley On 0418-309-827  
or contact the Editor on email: [vk3kln@netspace.net.au](mailto:vk3kln@netspace.net.au)

## For Sale

Item 1. A beautifully constructed, commercially made, 4 element Yagi with "no tools" assembly and stub adjustment. The basic unit is a 27 Mhz unit with stubs that are extra long so it can be used on any of 28, 27, or 21 Mhz (3 el) bands. It may possibly work as a two element on 14 Mhz. The Boom is 3.7 meters long and tower (pole) mounting bracket and U bolts are included. The boom and elements appear to be of dural and

the whole unit is very light, yet strong, with little "droop" in the boom or elements. A lo-loss co-ax cable feed line is included. Price \$150.

Item 2. A pole mounting coil tuned Vertical with full adjustments from 21 to 29 Mhz. All aluminium, and mounting U bolts are included. Price \$35. The two units together can go for \$170. Inspection and delivery at VK3QC, Bruce Plowman, 40 Waller St., Benalla 3672. Phone (03) 5762 6540 Email [bplowman@westnet.com.au](mailto:bplowman@westnet.com.au). The whole lot would fit into a Falcon or similar Station Wagon with the boom and elements protruding through the front passenger window, or on any roof rack.



## OUTBACK RADIO

From Flynn to Satellites  
By Rodney Champness (VK3UG)

Outback Radio is a 186 page A4 size book complete 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, medical and business uses to which radio communications have been put to in the outback.

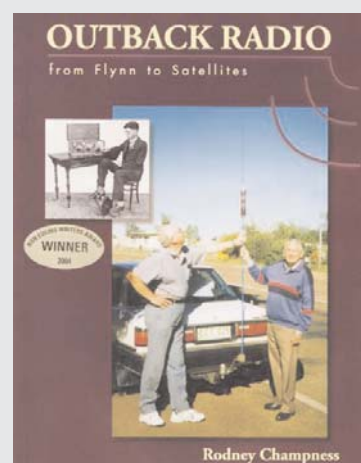
The story describes how the equipment came to be developed by Traeger and others to meet the impossible technical requirements of the 1920s. Radio was in its infancy at that time.

The progressive improvements 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 involved 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 for \$39.95 per copy, plus \$8 for post in Australia for up to two copies. Three or more copies post free in Australia.



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## Presidents Report S.A.D.A.R.C December 2005

**M**erry Christmas and a Happy New Year to all, Reflecting back on the last 6 months, it has been a very busy time for the Committee of Management and myself, it is good to say a very rewarding time for the Club, we have implemented the WIA Re Broadcast on VK3RGV Repeater on Sunday Evenings, conducted the Club Broadcast on 80mts, and also VK3RGV on Wednesday Evenings, relaunched the Wombat award, refurbished the 2metre Repeater, including a new Antenna, increased our membership to 55 members, awarded 3 Club members with Life Membership Certificates, produced an excellent news letter, accredited one member via the WIA the conduct Amateur Exams, accredited a member via TAFE in the proper Certificate for food handling, negotiated with various business house discounts for members, ran our first Foundation License Exams with 2 SWL's passing the accredited exam, ran our Comm's Day at Shepparton which was a huge success, the club also took part in JOTA, the RD Contest and the Spring Field Day, the club provided club members with dummy loads at no cost, we ran a very successful Xmas barbeque at the Shepparton

Lake, we also secured new permanent club rooms at Mooroopna, we have produced a very professional and progressive club. Now what are we going to do in the future, we need to do more of the same, we will launch our club project, modulating an LED in February 2006, we need to provide Radio equipment for our new premises and also antennas, we need to run exam classes for the foundation license, we definitely need more support from our members with checking in on the Club broadcast and also the WIA Rebroadcast, the numbers to date have been very poor, during January you will receive a survey form from the Club which needs to be completed and returned to the Secretary, basically we need to determine the outcome of future rebroadcasts, this survey will help in this area. A Club Member Award will be launched in February 2006, it will be based on points awarded to members during a 12 month period running up to the end of the year 2006, points will be awarded to members for various Club activities, the person with the most points will be declared the winner, we will also have a runner up Award, more on this, and the rules, and the prizes at the first Club meeting in February 2006. A

presidents fund raiser luncheon during 2006, a group booking to a live Stage Theatre Show in Melbourne, with a bus pick up in Shepparton and return. What about a club workshop? Open day at our new club rooms will take place from 10.00am on the first Saturday in January, the 7th January 2006, the new rooms are located in Echuca Road Mooroopna, it's the Scout, Cub, Guides Hall, also known as the Mooroopna Community hall, please come along and have cup of coffee with us on the morning and maybe a sausage sizzle. The Club broadcasts will continue during the Xmas and New Year period thanks to Daryl, please note no newsletter for January and the first meeting in February will be Saturday the 4th at 2.00pm Well enough from me, a special thanks to everyone that has supported the club during the year, a special thanks to our ladies that assisted during the year and also thanks to Norma for providing the afternoon tea, very much appreciated, have a safe Xmas see you all in the New Year.

*73s Roger VK2RO*

## Operating Procedure

With the coming of the Foundation Licence, we will soon have many new operators appearing on our repeaters. It is therefore a good time to set down the correct operating procedure, both for the "newbies" as well as the more "seasoned" amateurs who may have forgotten so that our new licensees do not learn bad habits.

Because repeaters have much greater coverage than home or mobile stations, many more amateurs can hear it, it is necessary to use correct protocols so that everyone gets a fair share of its' air time.

Some operators do not leave enough of a pause before starting to reply. This can have two major effects: the repeater timing out,

either reset pip or squelch tail, depending on the repeater (incurring the wrath of others), preventing another station from calling in with emergency or urgent traffic (incurring even more wrath); or "doubling" with another station, who may have only stopped transmitting long enough to allow the repeater to reset or to cough, sneeze, etc.

It is important to allow at least 3 seconds AFTER the "pip" or tail dropout so that anyone who needs to call in or wishes to join in can identify themselves before you commence transmitting. When joining a net or callback, it is good practice to say just your callsign, plus "check-in only" if you do not wish to take part, not a "long winded over" that jams

everyone else. Your turn for that will come later.

This also applies, of course, to simplex operation on both HF & VHF/UHF.

Remember that long QSO's between amateurs who are within range of one another, should QSY after making initial contact, to a non-repeater frequency (simplex) if on VHF/UHF, or to a suitable HF Frequency.

Regardless of how long you have been an amateur, the Amateur Code still applies to you.

The Amateur is Considerate – He/she never knowingly uses the radio in such a way as to lessen the pleasure of others.

The Amateur is Friendly – Slow and patient sending when requested, friendly advice and

counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others; these are the marks of the amateur spirit.

Remember, the priority of usage of a Repeater in order is as follows;

1. **Emergency traffic**
2. **Mobile to Mobile**
3. **Mobile to Base**
4. **Base to Base (to establish contact then QSY to another frequency)**
5. **Base to Base (where simplex QSO is not possible)**

Please adhere to these procedures – it makes life as an Amateur much more enjoyable.

*Ed VK3BG*



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## NEW ELEMENT FOR THE PERIODIC TABLE

Researchers have recently discovered the heaviest element known to science: Administratium.

Administratium has one neutron, 12 assistant neutrons, 75 deputy neutrons and 111 assistant deputy neutrons, giving it an atomic mass of 312. These 312 particles are held together by a force called morons, which are surrounded by vast quantities of particles called peons. Since administratium has no electrons, it is inert. However, it can be

detected because it impedes every reaction with which it comes into contact. A minute amount of administratium causes one reaction to take more than four days to complete when it would normally take less than one second.

Administratium has a normal half-life of three years. It does not decay but, instead, undergoes a reorganization, in which a number of the assistant neutrons and deputy neutrons and assistant deputy neutrons exchange

places. In fact, administratium's mass will actually increase over time, since each reorganization causes some morons to become neutrons, forming new isodopes.

This characteristic of moron transformation leads some scientists to speculate that administratium is formed whenever morons reach a certain quantity in concentration. This hypothetical quantity is referred to as "critical morass". You will know it when you see it.

### Did you know...

*In 1894, Lord Kelvin predicted that radio had no future; he also predicted that heavier-than-air flying machines were impossible.*

**Chips N Bits are giving 10% off selected products to SADARC Club members.**



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## Why should I be a member of the WIA?

So that radio amateurs have a single and strong voice to represent all Australian radio amateurs, to represent Australian radio amateurs nationally and internationally to protect our bands and our privileges.

To support an organisation that is open as to its activities through its website and its broadcast news.

To receive Amateur Radio, a magazine of technical information and news of amateurs everywhere.

To support through the Australian National Radio Society the international voice of amateur radio, the international Amateur Radio Union (IARU).

To support the right of amateurs and all spectrum users to be free from BPL interference.

All this for just 21 cents a day

<http://www.wia.org.au>



## Radio pioneer remembered

Sourced from the WIA website  
[www.wia.org.au](http://www.wia.org.au)

This month marks the 100th anniversary of one of the most significant events in the history of amateur radio. One day in December 1905, an engineer at a receiving station based at Machrihanish in Scotland was listening in when - to his astonishment - he heard the voice of Reginald Fessenden. What made this so special was that Fessenden was at the time in North America - this was the first time that a voice transmission had been copied across the Atlantic.

Remarkably, it was purely by accident. Fessenden - a talented if eccentric Canadian scientist - had actually

been talking to another station in Maryland, USA but, thanks to the wonder of propagation, his signal made its way across the Atlantic.

This was not the only first achieved jointly by Fessenden and the Machrihanish station. A month later, after the Scottish station had been readied for transmission, it and Fessenden undertook the first ever two way CW radio contact across the Atlantic. In this respect, Fessenden was ahead of his great rival Marconi who at that point had only achieved a one-way crossing.

Fessenden was also in 1900 the first to use HF alternators and first to

superimpose the human voice on radio transmissions. He also made the first radio music broadcast, on Christmas Eve 1906. His other achievements include inventing AM and writing over 500 patents. And yet, despite his great contribution to radio, he rarely received the credit he deserved, and died in 1932 a largely forgotten man. Meanwhile, his arch competitor Marconi had become a legend.

There was also to be a sad ending for the Machrihanish station with which Fessenden achieved his pioneering radio contacts. The station was closed down in December 1906 -

less than a year after the first two-way CW contacts across the Atlantic - after severe gales blew down its mast.

To mark Fessenden's pioneering work with the Machrihanish station, the special event callsign GB1FVT will be activated during the first week in January from the Machrihanish site. Operation will be on all HF bands, CW and SSB. Another special event station - AA1A/BO - will be aired from Brant Rock in the US.

Thanks to the RSGB



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Merry Christmas to you  
from everyone at Battery World

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\*Members please provide your SADARC members badge to receive these discounts