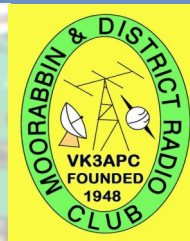


APC NEWS



McCrae Yacht Club Rooms in front of the McCrae Eastern Light

In this big

issue:

23016 AGM

ILLW

The IARU

Baluns

Club Info.

Forthcoming Events



Need a cheap and easy way to tidy up your cables? Buy a towel rail from the hardware store and fit it to the wall or inside a cupboard.. Problem solved. (idea from John VK3CCC)

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BUILT SOMETHING?

BEEN SOMEWHERE?

DONE SOMETHING

INTERESTING?

Tell the Editor. He needs material for the next issue of APC News. Please include pictures too.

Email: vk3apc@wia.org.au

THE EDITORS DESK - Ron VK3AFW



Yes the Club's AGM was successfully held but on Friday 19th August as mentioned elsewhere. No we did not get a president at the meeting. We did get a new Web manager and Librarian..

The Club also had a very successful weekend at the McCrae light and one of our newest members Ben, received his call, VK3FBCN.

Four other members headed for the hills for SOTA activations.

There is more on these and other activities plus some technical stuff in this issue.

I did not propose closing APC News at the AGM as I sensed that wasn't a popular move. Cohen VK3HCL has accepted a role as Assistant Editor and will be invaluable in advising how to make the magazine as modern as it can be. He will also make some contributions and assist with the editing. Thanks Cohen for being brave enough to put your hand up when others were sitting on theirs. Denis VK3BGS has also volunteered to proof read the magazine and that will fix one of our ongoing problems. Thanks Denis.

Members input is always sought It might just be a photo or a few words. We have a team that can polish it up.

73

Ron, VK3AFW

AGM 2016

Because of the formal notification being late the AGM was moved back one week to 19th August. A transcript of the Vice Presidents Report follows:

Firstly I would like to thank the outgoing committee for their support and commitment throughout this last year. Also to the many helpers in the background that put in at our major ham fest every year and other events and activities, thanks. As without all their voluntary help, our projects and activities just would not be successful as they have been.

The "Tuesday Group" continue to play a large part of MDRC and have done a great job of even finding some new members.... Well done. These newcomers, if not seasoned Amateurs may need a helping hand so please encourage them to get on air and attend the Friday evening general meetings if they can.

This years ham fest was another huge success, so MDRC can still claim to have the largest ham fest in VK3.....

Several of our members have been activating SOTA and National Parks which is a good thing to get out and about with a portable station in some real remote locations too.

AGM 2016 cont'd

Yes, we still have some RFI noise issues here at the clubrooms and we are looking into addressing these issues and also the possibility of setting up a remote station for members to use. This has been discussed in previous years however a couple of new developments via the internet have come forth and also a couple of members have already set up remote stations, so knowledge we can draw upon for our setup. Most likely using either; Remote Rig, Pig Remote or just utilizing Remote Hams which is a program running on a pc or phone and accessing the radio via the internet.

New members have been on the increase but without running Education with upgrade courses the uptake has been a little slow. Graeme and Lee have assessed several candidates this past year with good results with most passing and/or upgrading.

Graeme has continued to do a great job managing the MDRC repeater site at "Mt Tip" in Berwick. We have a good location with significant coverage of SE suburbs and surrounds from Pakenham to Wonthaggi to the other side of the bay. 2m, 70cm and 23cm are covered with Dstar, analogue and other digital modes available. With the help of Peter Brennan I understand a new digital repeater will be added to our arsenal.

An important announcement is the commissioning of the new MDRC website by Cohen Lewis VK3HCL. Cohen has been working on this for a while now and it nearly ready to be live.

AGM 2016 cont'd

Gerard again has done a great job constructing the MDRC Tenna, a 2m/70cm jpole for sale. In the coming year I expect the new committee will have a few projects on the go.

Discussions have started about upgrading the PC in the shack for log keeping, satellites, rig control etc and possibly even to utilize for the remote station. Older equipment will need to be rationalized to allow for purchase of newer more modern gear to help club members with projects and operate on air etc.

Also new MDRC callsign badges will be available soon (yes a long time coming).

Several other projects have been suggested so plenty of things for the new committee to address this upcoming year.

73, Lee Moyle VK3GK

The new committee is listed on the back page of this issue.

Our new librarian is Ben VK3FBCN who has taken over from Alistair who has given the Club good service over many years past.

AGM 2016 cont'd

Other notable changes include Ben volunteering to assist Colin VK3UDC our librarian.

Ron VK3AFW and Gerard VK3GER continue in their role as speaker co-ordinators.

Our new web master Cohen VK3HCL will be assistant Magazine editor with responsibility for links to the web page and blogs.

Publicity will be done by the Talk co-ordinators, the Magazine Editors and the Secretary. With assistance from Noel VK3BMU.

The combined Club Reps will continue to be Ian VK3IFM and Ken VK3KIM.

Denis VK3BGS has added APC proof reader to his role of QSL Officer. Gerard VK3GER and Mike VK3FRTM complete the committee.

This promises to be a fruitful year for the Club. Use your crystal ball to see where we might go!



SEPTEMBER MEETING TALK



Peter VK3MV (left) was our guest speaker for September. His topic was “Governance of Amateur radio: The Role of the IARU”.

This was a very informative talk. The IARU sets the rules globally for use of the radio spectrum and the IARU fulfils a similar function for amateur radio.

The IARU Roles include:

- Attend meetings, Regionally and internationally to protect existing spectrum and when appropriate seek new allocations.

- Submit technical and information papers to the appropriate bodies

- Co-ordinate the work of member societies

- Enhance the role of the amateur service (promoting Ethics, Operating Procedures, Code of Conduct)

- Train Regulators in emerging nations

SEPTEMBER MEETING TALK cont'd

For administrative purposes the Globe is split into three Regions. Region 1 Europe and Africa and part of Asia, Region two the Americas and Region 3 Asia, including Australia and New Zealand.

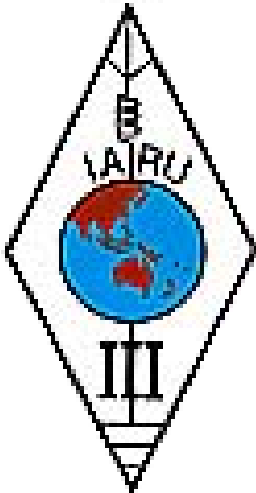
The IARU is run by volunteer staff from the amateur radio societies in the three regions.. There are now around 160 amateur radio societies.

Funding of meeting expenses etc comes from these societies. Thus it is important to belong to the WIA so you can help fund the IARU and protect and enhance our frequencies and other privileges .

The IARU was founded in 1925. The IARU is governed by the IARU Administrative Council (AC). The AC consists of the IARU President, Vice-President, Secretary and two representatives from each of the three IARU regional organizations.

Each region has a small management group. Ken Yamamoto, JA1CJP is the secretary for region 3. Peter VK3MV was recently elected as a director of Region 3.

SEPTEMBER TALK cont'd



One of the important IARU activities all amateurs can participate in is intruder watch. If you spot an intruder, note the frequency, time and if possible the mode and transmission content if readable. Pass this on by email to:

intruders@wia.org.au

The IARU has a web site with more information.

<http://iaru-r3.org/>

Left: The IARU Region 3 Logo

FOR SALE

**NO REASONABLE OFFER REFUSED
MUST SELL TO CLEAR GARAGE.**

The Club has a number of items on offer for financial members.

In addition to the motor alternator advertised in the last issue we have other items which include an audio impedance bridge, a digital voltmeter, bench model, a manual ATU with faulty cross needle meter and boxes of resistors in tobacco tins. There is also a 30 A 13 V linear power supply.

Contact the magazine editor if you wish to make an



A TWO PEAK DAY



Looking West to Sugarloaf Peak the high point of the Cathedral range from Mt Gordon near Marysville.

A TWO PEAK DAY cont'd

Club Members Ken VK3KIM and Ron VK3AFW headed for the hills recently for a SOTA day out. It was an anniversary for SOTA in VK1 so it was going to be a day with many activators out.

First stop was Mt Gordon near Marysville. This summit has a good unsealed road to the summit but flat ground is at a premium.

The pair set up a link dipole on a squid pole and started by working some summit to summit stations on 80 m.

Both operators easily qualified for the 4 points . Most contacts were on 40 m as expected with 7 other stations on peaks worked, including a third Club member Tony VK3CAT on a nearby peak. 20 m was not co-operating and the hoped for contacts to ZL and VK6 did not happen.

After about an hour and a half on air they packed up and headed to Mt Strickland where the first item on the agenda was lunch.

Mt Strickland is south of Marysville and at 1,068 m scores 6 points.

Here there was a change of antenna with Ken putting up a link dipole and Ron a multiband vertical.

A TWO PEAK DAY cont'd



Left: Luxury—the FT817, ATU, battery and squid pole on Mt Strickland.

Right Ken sets up a new mast support after a breakage of his original support.



A TWO PEAK DAY cont'd

Again 20 m proved to be very quiet but the link dipole sounded livelier than the vertical. But on 40 m they seemed equal.

All contacts were made on 40 m and again both Ken and Ron qualified for the points. As Tony VK3CAT was due on a second peak the duo waited until he made it on air for another summit to summit contact before packing up.

The trip back became very slow around Lilydale (Sunday Drivers!) but they made it home on the stroke of 6 PM exactly as Ron's leave pass expired.

The road to Mt Strickland was not within the GPS map list so a description of the approach given by Glen VK3YY in his blog was relied on and this proved accurate. The road was again unsealed but in good condition and accessible in the family car.

The weather varied from chilly and overcast to warm sunshine and the consensus was that a day in the mountains is a day well spent.

Ron
VK3AFW

JOTA 2016

The Club will be hosting a number of local Cub troupes at OUR ROOMS on SATURDAY 15TH OCTOBER, Noon to 8 PM and SUNDAY 16th OCTOBER 10 AM to 4 PM .

Commissioner Murray Taylor will be in attendance. While we have some volunteers more will be needed. If you are able to attend and assist by supervising the use of the Club Station or help in any other way please contact our Club Secretary Ken VK3KIM.

This is an opportunity to interest a new generation in technology and maybe get some future members.



VK3APC AND THE ILLW 2016

BY GERARD VK3GER



To follow on from a good tradition the Moorabbin and District Radio Club also this year participated in the International Lighthouse and Lightship Weekend.

This year it was the 19th year of the official International Lighthouse Weekend. This is a major event. For this year 471 lighthouses had registered on the website, with 63 just from Australia (including Tasmania). The following is from the official ILLW website

The Association of Lighthouse Keepers (ALK), conducts International Lighthouse Heritage Weekend on the 3rd full weekend in August. Their objective is to encourage Lighthouse managers, keepers and owners to open their lighthouse or

VK3APC AND THE ILLW 2016 CONT'D

lightstation and related visitors centres to the public with a view to raising the profile of lighthouses, lightvessels and other navigational aids, and preserving our maritime heritage.

However, the major event which takes place on that same weekend in August is the International Lighthouse Lightship Weekend (ILLW), which came into being in 1998 as the Scottish Northern Lights Award run by the Ayr Amateur Radio Group. The history of this event can be found elsewhere on this site. The ILLW takes place on the 3rd full weekend in August each year and attracts around 500 lighthouse entries located in over 40 countries. It is one of the most popular international amateur radio events in existence probably because there are very few rules and it is not the usual contest type event. It is also free and there are no prizes for contacting large numbers of other stations. There is little doubt that the month of August has become "Lighthouse Month" due largely to the popularity and growth of the ILLW.

For a number of years now we have taken part in this event by activating the club callsign VK3APC from the main building of the McCrae Yacht Club. Which is conveniently located next to the McCrae Lighthouse itself.

VK3APC AND THE ILLW 2016 CONT'D



Above : John, VK3CVF and Ron VK3AFW enjoying an afternoon's operating at McCrae.

Right: Ben VK3FBCN logging some dx on 40 m



VK3APC AND THE ILLW 2016 CONT'D

The lighthouse is officially known as the Eastern Light. It is located at Lat. 38-21.0, Long. 144-55.7. It is an externally braced, riveted 34m high steel tower and the tallest light in Port Phillip. It was built by Chance Brothers in 1874 but was not lit at McCrae until 1883. It is identical to the tower in Currie Harbour on King Island at Bass Strait.

Its 1.4 m diameter central column has a 120-step spiral staircase leading up to the lantern room that contained dioptric, catadioptric, and holophotal lens systems. It replaced the old wooden structure built in 1854 that was moved to Arthur's Seat to be used as a lookout.

The new light was used in conjunction with the South Channel Pile to guide ships through the Southern Channel. Even after the South Channel Pile was decommissioned in 1985, its light kept shining until 1994. It is now owned by the McCrae Foreshore Committee.

We have been very fortunate to establish the contact with the Yacht Club via Graham Mason VK3KMG. Graham is a former MDRC club member, and former club president, who is also a member of the McCrae YC, and former commodore there.

VK3APC AND THE ILLW 2016 CONT'D

As Graham was interstate, I met on Saturday morning 20 August with another YC club member Guy Bancroft, to open up the gate and premises. This time of the year there is not much sailing activity. Especially this particular weekend the weather was less than fine, as there was strong wind and rain showers.

Ron Cook VK3AFW and Ian Morris VK3IFM arrived shortly after, followed by club member Ben Hudson VK3FBCN and John Elliott VK3CVF from FAMPARC.

At the front of the building, facing the bay, there are three flag poles conveniently located across the front of the property adjacent to the beach. These, combined with another flag pole on the upper deck are the main anchor points to put up our various antennas. Ron had brought two 12m Spiderbeam telescoping fiberglass poles, and, between rain showers, with some effort attached these 12m poles to the outer light poles. Another shorter squid pole in the middle supported the feedline at the centre of the antenna, and from there-on a long length of 300 ohm ribbon came up to the balcony where it was terminated at a 4 to one balun (water proofed in a plastic bag). From there-on a length of RG58 came into the building and was connected to Ron's Icom IC-7100. via a manual ATU.

I had rigged a 40m dipole between the northern flagpole and the mast on the upper deck. The coax feed line needed to be extended before it could reach the main building, where it was connected to the Cub's Kenwood TS2000X.

VK3APC AND THE ILLW 2016 CONT'D



Above: John VK3CVF looks pleased with his digital T56 set-up.

Right: Ian VK3IFM prepares his traditional muffins, eggs and bacon breakfast.



VK3APC AND THE ILLW 2016 CONT'D

Ian had brought his communication trailer. This is a tradesman trailer, specially fitted out for communication activities with WICEN. It is also a very convenient and free standing anchoring point for a mast. As such, the trailer was placed in a suitable location, the 9m mast installed, acting as the centre point for an OCF (off-centre-fed) dipole. This is a practical antenna, with its feedpoint, as the name indicates off centre, in this case roughly 1/3 of the total length. At that point a 4 to 1 balun gives a reasonably low swr for a number of the main amateur bands. This can then be tuned out at the rig itself.

In this case a length of RG213 came in through a side door, and was connected to Ian's Icom IC-706Mk2 and LDG tuner.

I had rigged a 40m dipole between the northern flagpole and the mast on the upper deck. The coax feed line needed to be extended before it could reach the main building, where it was connected to the club's Kenwood TS2000X.

These rigs operate on different bands, sometimes at the same time, and the antennas are at close proximity. This would cause severe overload. Luckily we had the loan of band pass filters from club member Brian VK3MCD. These filters are specially developed to deal with this sort of situation.

They proved themselves well, as I was able to be working on 40m, where Ron would operate on 20m, and Ian on 80m.

John VK3CVF had brought up his rig, and connected to a small vertical mounted to the balcony, did some testing of JT65 on HF. Interesting, and well worth further pursuing.

VK3APC AND THE ILLW 2016 CONT'D

Ben Hudson is an aspiring new club member. He recently passed his F-call examinations been allocated: VK3FBCN. Welcome Ben!. At the club AGM prior in August, Ben has taken on the role of club librarian.

Ben had brought his field backpack. This contains a Yaesu FT-817 with other bits and pieces. On the outside a solar panel can be attached to top up a battery while hiking up a mountain. So it seems we have another keen candidate for SOTA activations. Ben rigged a 40 m wire dipole antenna parallel to the balcony at the front of the building and was very pleased with what he heard. On Sunday morning he completed his first QSO's using the Club's call of VK3APC using his own station with Julie VK3FOWL and Joe Vx3YSP at the Port Lonsdale lighthouse.

To keep tab on the maritime activities a VHF radio and antenna was put in place to monitor 156.800. This is one of the maritime frequencies, for Port Phillip Bay used by shipping pilots and related traffic.

In our case one can hear traffic related to ships passing the heads between point Lonsdale and point Nepean.

I also had set up a laptop running APRS.FI. This is an application which shows not only vehicle positions, but with input from a similar system from MarineTraffic.com.. This information shows all vessels, including coast guard etc, with their name, course, speed, destination etc. in real time.

In our case The map of Port Phillip Bay was chosen to give us an indication of the vessels coming through the heads , then following the shipping channel almost due East , via the South

VK3APC AND THE ILLW 2016 CONT'D

Eastern Light. Then rounding a light, heading almost due North to the port of Melbourne.

The system proved itself to be accurate with the Spirit of Tasmania showing on the map coming towards us from Melbourne, long before we saw it loom out of the misty rain, make the turn at the light and disappear again in the rain. At that time there was reduced visibility of approx. 500 metres.

As we are on the declining side of the sunspot cycle, band conditions were far from favourable. 40 m was unpredictable, with short haul stations difficult to hear, and stations further away hampered by slow but deep QSB. Still, I was able to operate for some hours on it that afternoon by staying on one frequency and having other stations, lighthouse and non light house, call back. It was pleasing to hear club member Ken Morgan VK3CEK call in.

It was a pleasure this year to contact Graeme Mason VK3KMG our host contact person on holidays in Queensland on 40 m

The 20m band also had less openings than expected but a good tally of lighthouses were worked by a hunt and pounce operating method.

The 80m band worked as predicted from late afternoon and into the evening, with mainly stations in VK3, VK2, VK5 and VK7.

VK3APC AND THE ILLW 2016 CONT'D

Some pizzas from the local shop gave us the energy to continue to approx. 11 pm. before retiring for the day. This year we made a number of contacts on 160 m using the 80 m dipole getting as far as VK6.

Ron and Ben stayed inside to guard the radios, and Ian and I camped out in our vehicles. The clatter of rain on the roof of the vehicle made me fall asleep very easy!

The next morning Ian served us a hearty and healthy (?) breakfast of beacon and eggs before we got back in chasing lighthouses.

Using the 2m radio I announced our presence at the lighthouse on the SPARC net. SPARC (the Southern and Peninsula Amateur Radio Club) runs its weekly net on Sunday morning, using their club repeater VK3RSP on 146.675 MHz. Later on in the morning the net controller Roger McDonald VK3FMCD) came in for a visit and a chat. We also had a brief visit from another SPARC member, in this case Paul Whitaker VK3DPW. Paul was doing a radio survey on a push bike, checking out path conditions on 2m and 70cm, in preparation for an athletic event later in the year, with Tim VK3MIT at a suitable location near by.

It was good to have a chit-chat with these members of SPARC and exchange experiences.

The weather had slightly improved and there were even a few patches of blue sky. However, as it often happens on wintery mornings, the wind increased again, bringing in rain clouds, and showers coming down again from around midday. Which was just when we started to dismantle the antennas and radio stations.

VK3APC AND THE ILLW 2016 CONT'D

By the time it was all packed up the weather had become rather damp when we headed back for home.

Once more, our thanks to the McCrae YC, and in particular to Guy Bancroft, who arranged his time to get us in and out of the club premises. A certificate of Appreciation has been made up, and will be delivered to the YC soon..

Next year is the 20th time of the ILLW event. It would be great if we can make up some information sheets for the general public, and for the foreshore committee, to encourage visitors in the area and other people passing by, to be aware what we are doing. And of course explain what amateur radio is in general.

Gerard Werner
VK3GER

Right: the Spirit of Tasmania on
the way to the Heads

Photos by Ian VK3IFM, Ron, VK3AFW and Spirit of Tasmania advert.



VK3APC AND THE ILLW 2016 CONT'D

| ILLW 2016 QSO SUMMARY | | | | | | |
|-----------------------|------|------------|--------------------|--------------|---|--|
| Band | QSOs | Best DX | VK wkd | Light-houses | ILLW Ref | Comments |
| 160 m | 8 | VK6 | VK3, 5, 6 | 3 | AU: 0029, 0094, 095 | |
| 80 m | 19 | VK5 | VK1, 2, 3, 5, 7 | 7 | AU: 0023, 0032, 0035, 0062, 0073, 0094, 0095, 0111 | |
| 40 m | 46 | VK6 | VK1, 2, 3, 5, 6, 7 | 12 | AU: 0011, 0013, 0019, 0029, 0032, 0046, 0048, 0049, 0050, 0051, 0095, 0096, | |
| 20 m | 21 | IK (Italy) | VK2, 3, 4, 5, 6 | 15 | AU: 0008, 0013, 0014, 0019, 0028, 0031, 0073, 0104 | Plus 2 NZ light-houses NZ: 0011, 0012 |
| 15 m | 1 | VK6 | VK6 | | | |
| | | | | | | |
| TOTALS | | | | | | |
| 2016 | 87 | | | 36 | 28 unique | |
| 2015 | 47 | | | 27 | | |
| 2014 | 73 | | | | 17 unique | |

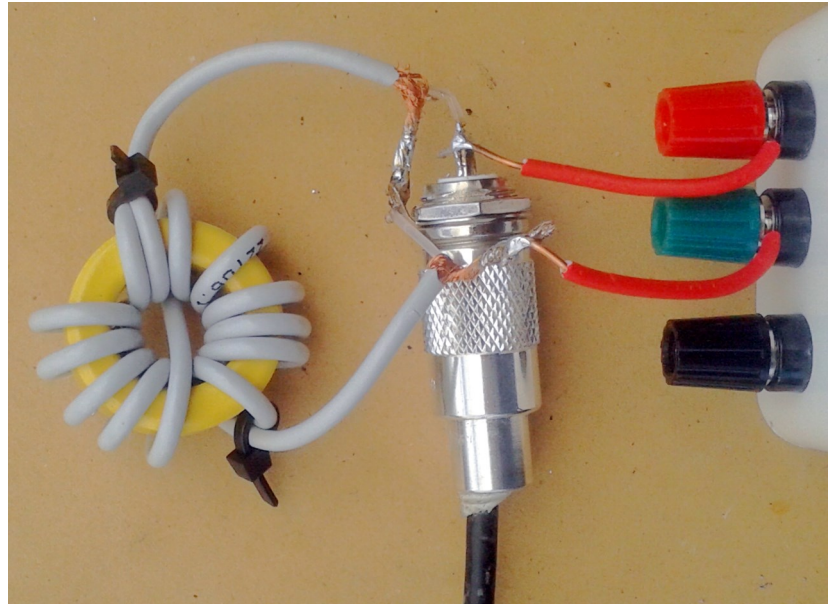
AERIALS AND STUFF

BETTER BALUNS

At one of my recent talks on baluns I was asked if the impedance of the winding mattered. My reply was that there was an optimum value for maximum bandwidth but I did not think it mattered much. I have now found that it matters a lot.

I have a preference for the Guanella current baluns as they offer true balance unlike the common Ruthroff un-un design.

For a 4:1 balun the high frequency limit for an HF balun may be 100 MHz if the transmission used for the balun is 100 ohms impedance. The 50 ohm coax I have frequently used gives a reduced bandwidth. Using 75 ohm

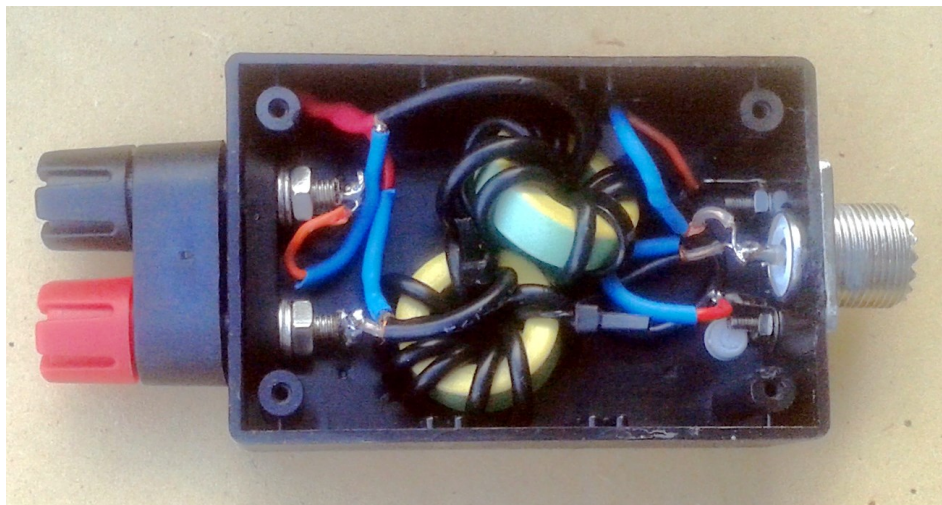


Above: A Ruthroff type 4:1 balun under test. The box on the right is a broadband 100/200/400 ohm load.

AERIALS AND STUFF CONT'D

coax is a significant improvement but 100 ohms is superior.

I also said that the core was only important at the low end. This is correct in that for a 4:1 balun enough turns on the core are needed to give an inductive reactance of about 1,000 ohms. However once self resonance of the winding has been passed the impedance drops and core losses will be higher for a core not rated to the higher frequencies. Cores with relative permeability of up to 200 are better as they require fewer turns than say one with a permeability of 10.

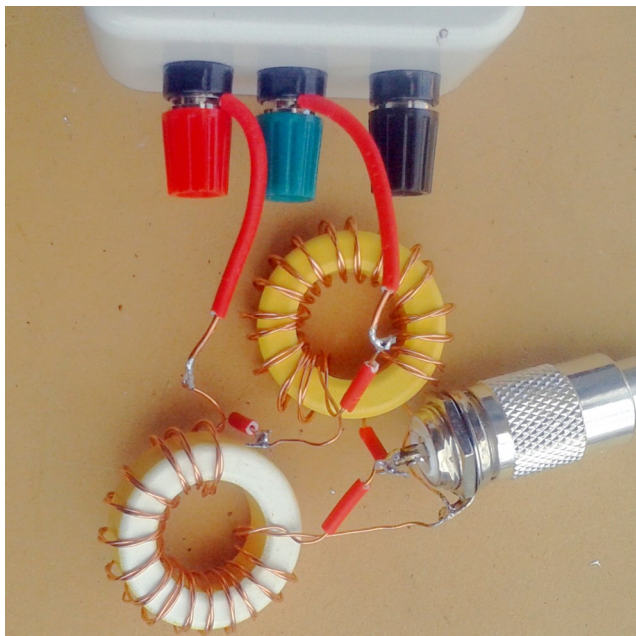


Above: 4:1 Current balun using 50 ohm coax.

AERIALS AND STUFF CONT'D

This probably means using ferrite cores rather than powdered iron .

The higher permeability core requires fewer turns for the required inductive impedance and hence a shorter transmission line. If the line is not of the optimum impedance this is important as longer non-optimum lines will change a resistive load into a complex one and presenting a higher SWR at the higher frequencies.



Above: 4:1 Current balun using twisted enameled wire—about 80 ohms impedance. These have a higher bandwidth than the coaxial ones in spite of having longer lines due to low μ_r

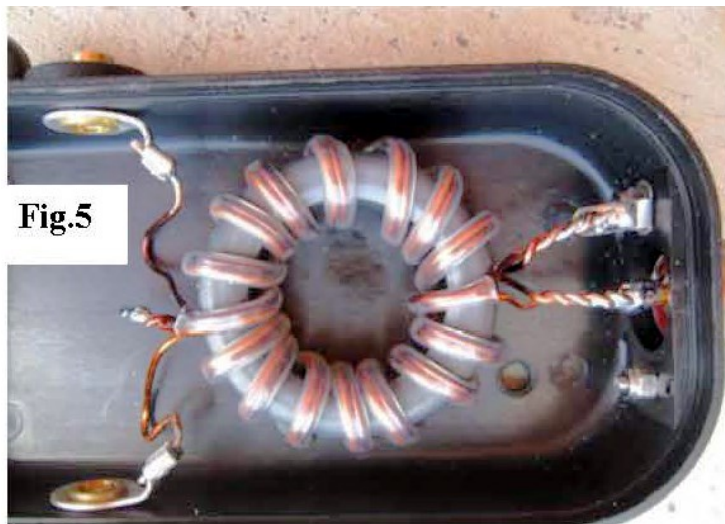
AERIALS AND STUFF CONT'D

TET-Emtron sell a 4:1 balun kit which is Based on the Guanella design and uses what is said to be a 100 ohm line. It has excellent bandwidth and is rated for lots of power. The photo on the right shows a completed kit,. Note that by using a large core both lengths of transmission line can be wound on the same core.

For more details go to:

<http://www.tetemtron.com.au/>

Ron VK3AFW



NEW CLUB MEMBER



Ben Hudson VK3FBCN is our newest licencee. Ben started coming to the Club earlier this year and soon confirmed his interest in amateur radio. Not one to let grass grow under his feet Ben undertook a licence weekend course and test.

He now has a new shiny F call, an FT817, an ATU and a 40 m dipole.

Congratulations Ben

Ben is a keen camper and has acquired all the bits he needs for a weekend in the bush camping, hiking and getting on-air.

Keep an ear out for Ben.

NEW WEB PAGE

Yes our new web page is up and running, see right.

<http://mdrc.org.au/>

However it is still under construction so much of what you could previously access is not there now.

If you have some suggestions please send them to our Secretary, Ken, VK3KIM
millisk@hotmail.com

If approved then our new web master Cohen, VK3HCL will implement it

Moorabbin & District Radio Club Inc.

HOME ABOUT NEWSLETTER HAMFEST REPEATERS EDUCATION TECHNICAL CONTACT

HOME

MDRC was founded in 1948 and has the club call sign of VK3APC. The club rooms are located at Turner Road in Highett with regular meetings which include Educational Sessions and weekly Coffee Group discussions.

When the club rooms are open, so is the VK3APC shack. Members and visitors are welcome to come down to the club room and operate HF, VHF or UHF. All of the MDRC Repeaters under VK3RMC can be accessed from the Club Rooms. VK3RMC has D-Star, IRLP and Analogue repeater systems across multiple bands.



QUICK LINKS

[QRZ.com - VK3APC](#)
[QRZ.com - VK3RMC](#)
[VK3RMC Repeaters](#)
[VK3RMC IRLP - Node #6300](#)
[Annual Hamfest Committee](#)

RECENT CLUB NEWS

Latest APC is "July / August" issue "246"
[Click here!](#)



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LIKE TO JOIN US AT THE M&DRC?

**Annual Membership Fees are due 1st July.
Prorata payment for new members in first year**

| Schedule of Fees (Annual) | Amount |
|---|---------|
| Joining Fee | Nil |
| Annual Membership Fee, standard | \$45.00 |
| Student, Retiree, Pensioner Annual Membership Fee | \$40.00 |
| Family Membership Fee | \$60.00 |
| Honorary and Life Members Membership Fee | Nil |

Send your application with cheque† to:

The Secretary M&DRC
Box 58,
Highett,
Victoria
Australia 3190.

FORGOTTEN SOMETHING?



Annual Membership fees were due 1st July

Full rate is only \$45.00

Concession Rate is \$40.00

PAYING SUBSCRIPTIONS

Paying by computer.

Go to **Internet Banking** on your computer and select the account from which you want to make the funds transfer. Do not select a Credit Card Account. In the "Transfer Money" screen enter the following.

- 1 In the ACCOUNT NAME box to which the funds are to be transferred, enter MOORABBIN AND DISTRICT RADIO CLUB INC
- 2 In the BSB box enter the number 033-385
- 3 In the ACCOUNT NUMBER box enter the number 77-4955
- 4 In the TRANSACTION DETAILS or ACCOUNT DESCRIPTION box enter your name or Callsign in uppercase.
- 5 Email the treasurer to advise of your payment.

Paying by cash over the counter at the bank

Go to a **Westpac bank** and fill out a deposit slip as below. Take this plus the necessary cash to the teller.

- 1 In the FOR CREDIT OF box enter MOORABBIN AND DISTRICT RADIO CLUB INC
- 2 In the BSB box enter the number 033-385
- 3 In the ACCOUNT NUMBER box enter the number 77-4955
- 4 In the TRANSACTION DETAILS or ACCOUNT DESCRIPTION box enter your name or Callsign in uppercase.
- 5 Collect the receipt and email the treasurer to confirm payment.

M&DRC MEETINGS, ACTIVITIES AND SPEAKER SCHEDULE

| MONTH | DATE | SPEAKER | DATE | ACTIVITY |
|--------------|-------------------------|---------------------------------|---|---|
| September | | | Saturday 24th | Informal meeting. Room and garage clean up and natter |
| October | Friday 14 th | Peter VK3YE . Portable Antennas | Sat 15 th , Sun 16 th | JOTA at the Club Rooms |
| October | | | Saturday 22th | Informal meeting. Room and garage clean up and natter |
| November | Friday 11 th | TBA | Saturday 26th | Informal meeting. Room and garage clean up and natter |
| December | Friday 9 th | Christmas Party | Saturday 24th | Christmas Eve. No meeting |
| January 2017 | | No Meeting | Saturday 27th | Informal meeting. Room and garage clean up and natter |



there or



TRADE DISCOUNTS

FOR CLUB MEMBERS at ALTRONICS and JAYCAR.

Moorabbin and District Radio Club Inc. members can now buy over the counter at Trade prices from both **Altronics** and **Jaycar**. When making a purchase ask for Trade Discount and for **Altronics** quote the Club's Trade account number **32323** and your **call sign** or for **Jaycar** quote **FK000921**. **This is NOT a charge account so you use your money.**

Note: Minimum purchase of \$20 may apply.

Check out these companies at their websites.



<http://www.altronics.com.au>



**Get your Club photo ID
discount card NOW**

<http://www.jaycar.com.au>

CLUB NETS

VHF net.

Wednesdays: **146.550 MHz FM**
Starts at 20:00 (local)

HF net

Wednesdays: **3.566 MHz (\pm QRM) LSB.**
Starts at 20:30 (local).

Note: this is in recess but do feel free to come on and call.

Drive Time net

Week days: **146.550 MHz FM**
Starts at about 16:40 (local)

Please drop in and join the Nets and catch up on the latest happenings around the Club.



D- STAR repeaters are now operational.

For more information about D-STAR go to the Club's web page
www.mdrc.org.au
click on the link to Susan VK3ANZ's Newbies Guide to Using D-STAR

CLUB MEETINGS

Formal Meeting.
*Second Friday night of the
month, 8:00 PM and*

Informal Meeting.
*Fourth Saturday morning of the
month 10:00 AM*

**Check the web site and the
weekly Club nets for the latest
doings.**



COFFEE GROUP.

**Every Tuesday morning -
10:00 AM to 11 AM.**

Retired? Come along, swap
yarns, bits of gear and info or
get helpful advice all with a bis-
cuit and a cuppa.

**Visitors are always
welcome.**

**Free disposal items for
financial members at most
meetings**

COMMITTEE MEMBERS AND OFFICE BEARERS

| | | |
|-------------------------------|---------------------------------------|------------------------|
| President: | VACANT | |
| Vice President: | Lee VK3GK | |
| Secretary: | Ken VK3KIM | millisk@hotmail.com |
| Treasurer: | Brian VK3MCD | bmcderm@tpg.com.au |
| Committee members: | Gerard VK3GER | |
| | Graeme VK3GL | |
| | Mike VK3FRTM | |
| Combined Clubs Reps: | Ian VK3IFM and Ken VK3KIM | |
| Publicity Officer | Various | |
| Repeaters | Graeme VK3GL | |
| Webmaster: | Cohen VK3HCL | |
| Museum Officer | Colin VK3UDC | |
| Speaker schedule | Gerard VK3GER & Ron VK3AFW | |
| Education and Training | Graeme VK3GL | |
| Station Officer: | Tony VK3CAT | |
| QSL Cards | Denis VK3BGS | |
| Librarian: | Ben VK3Fbcn | |
| Magazine Editor: | Ron VK3AFW | vk3afw@optusnet.com.au |
| Assistant Editor: | Cohen VK3HCL | |