

WANSARC NEWS

Incorporated in Victoria, 1985 Registration Number: A0007611S

The monthly magazine of the

Western & Northern Suburbs Amateur Radio Club



Melbourne, Australia

 www.wansarc.org.au

146.450 MHz FM

VK3AWS

28.470 MHz USB

Volume No: 36

Issue 11

November

2005

NEXT WANSARC CLUB MEETING

Friday 4th November @ 7.30 pm,

Building 'K' – Room 102, N.M.I.T. TAFE COLLEGE, PRESTON

WANSARC has been out touring, must be summer soon! On the 29th last month club members were treated to a tour of the Victoria Police Air Wing facility. *An article and pictures on the Air Wing Tour will appear next month.* This month Graeme VK3NE pulled some strings and got us into a tour of the Melbourne Airport Control Tower, Telecommunications Centre, Air Traffic Flight Simulator Room and Air Traffic Controller Room. A very interesting and informative evening. With quite a few club members either having worked in the industry or pilots themselves there were plenty of questions thrown at our guides who managed answered them all! Even for those who just only fly on an aircraft now and then the insight into what the pilots deal with and the range of ground support available to them is just incredible – another “money can't buy you in tour!” Melbourne Airport Traffic Control are responsible for 11% of the world's flight space with another facility in Brisbane operating and controlling the other half of Australian airspace. Find out more at <http://www.airservicesaustralia.com/>



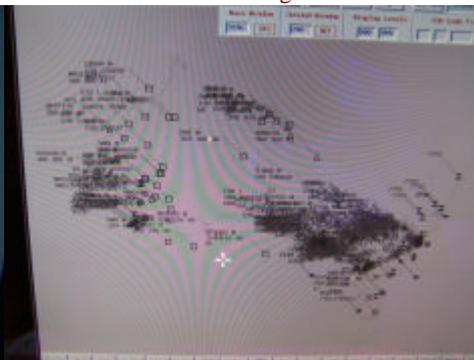
View of the Airport from the Tower
Microwave Link running 1 watt



Airport Tower and microwave link mast
Each 'dot' is an aircraft being tracked in VK!



Part of the computer tracking systems
Some of the components used in years gone by



New Amateur Licenses Come into Force

2

New license structure begins

3

Around the Shack, News & Stuff, WANSARC Club & Members Activities...

4

NERG's Open Day / BBQ A Success

6

Laughter is a medicine

7

WANSARC Club Profile

8

New Amateur Licenses Come into Force

At the first moment of Wednesday 19 October 2005 the new Australian amateur license structure came into force.

At that time, the Determination made by the Australian Communications and Media Authority amending the Amateur License Conditions Determination became the law.

What does it mean?

It means that as from that time the Foundation license exists, and we hope that the first Foundation Licenses will be issued by the end of that week, to those who qualified at the trial Foundation training course conducted by the Gold Coast Amateur Radio Society on the weekend of 15 and 16 October.

The amateur Foundation licensee can only use a transmitter that has been manufactured commercially, can only use voice, on either SSB, AM or FM or Morse using a manually operated Morse key, and not more than 10 watts output power ssb or 3 watts output power AM, FM or CW.

The Foundation station can operate on the 80, 40, 15 and 10 meter bands as well as the 2 meter band and the band 430 to 450 MHz, subject to necessary bandwidth restrictions.

It means that the Standard license now exists, and this license includes the existing Novice, and Novice Limited licensees, who now can use any emission mode with a necessary bandwidth not exceeding 8 kHz on the 80, 40, 20 and 15 meter bands, and any emission mode with a necessary bandwidth not exceeding 16 kHz on the 10 meter band, the band 52 to 54 MHz, the 2 meter band, and the bands 430 to 450 MHz, 1240 to 1300 MHz, 2,400 to 2,450 MHz and 5.650 to 5.850 GHz, with no change to the current output power limits of 100 watts and 30 watts.

It means that the Advanced license exists, and this license includes the existing Unrestricted license, the Limited license and the Intermediate license, who can use any emission mode with a necessary bandwidth not exceeding 8 kHz on all bands below 24.990 MHz, any emission mode with a necessary bandwidth not exceeding 16 kHz on the 28.00 MHz to 29.70 MHz band, any emission mode with a necessary bandwidth not exceeding 100 kHz on the 6 and 2 meter bands and any emission mode with no bandwidth restriction above 420 MHz, and with no change to the current output power limits of 400 watts and 120 watts.

Full details of the Determination and other administrative details including the arrangements being made by ACMA to substitute new licenses for existing licenses can be found at the ACMA website, www.acma.gov.au, and all amateurs are urged to check that site for the full and authoritative information.

The WIA welcomes the changes.

WIA President, Michael Owen, VK3KI, said today "The WIA welcomes these long awaited changes, and in particular welcomes the new Foundation license, which we hope will encourage many newcomers to our exciting interest. We also know that there will be many amateurs operating on the 40 and 20 meter bands for the first time with those bands available to Standard licensees.

We urge all amateurs to make all these newcomers welcome.

The WIA would also like to acknowledge the cooperative approach of ACMA in establishing the new syllabi for the various licenses and the establishment of the new WIA assessment of competency system relying on WIA accredited and registered Assessors, essential for the practical assessment required for the Foundation qualification and, indeed, for any first amateur license."

"Our only regret is that we believe that the power limits of 3 watts for AM, FM and CW for the Foundation license, while perfectly logical, is unrealistic given the output power of commercially available equipment, particularly older equipment, and that the power limit should be 10 watts.

The WIA has already drawn ACMA's attention to this problem, and has requested that the limit be changed at the first opportunity.

That apart, the WIA believes that these changes to the Australian amateur license structure will strengthen our hobby, and encourage many more people to become licensed radio amateurs."

If you were in any doubt that the WIA is an effective organisation then the new structure should leave you in no doubt of the Institutes ability to effectively negotiate on our behalf. The new conditions should please everyone, and all with no loss of privileges in any area.

A bulletin to members from Amateur Radio Victoria New license structure begins

Key points at a glance:

- **New license structure begins 19/10/2005**
- **Expect new replacement licenses through the post**
- **WIA rolls out the new Assessment for Competency**
- **First group qualifies for their Foundation Licenses**
- **Class License for short-term visitors – not yet**

The three tier amateur licensing system officially in force on **Wednesday, 19 October**, through an amendment to the Radiocommunications License Conditions (Amateur License) Determination. Approved by the ACMA Board on 12 October and announced 18/10/2005, it simplifies amateur licenses by combining the five current license types in two - Standard and Advanced. It also introduces the new entry level Foundation License.

The first to qualify for the Foundation License under the WIA Assessment for Competency conducted by Accredited Assessors are now awaiting their licenses. Many more are expected in coming months.

Due to an anomaly in the new LCD, the Foundation License has been given only 3-watts output power for AM, FM or CW, but 10-watts PEP for SSB. The WIA has raised this situation with ACMA and the intention is to increase the 3-watts to 10-watts.

The ACMA says that all existing amateur licensees will be issued with new replacement licenses. Novice and Novice-Limited can on the commencement day use the Standard License operating privileges. However all licensees need to wait until they received their new license before seeking any changes such as to a call sign. Along with the new license structure comes the harmonizing of license conditions and qualification requirements, where possible, with those of other countries.

This is resulting in a re-alignment of the theory syllabus to international requirements for the Standard and Advanced Licenses.

The new Assessment for Competency system to determine the qualification of individuals for amateur certificates of proficiency was introduced on 14 October by the Wireless Institute of Australia. It was trialed in Queensland on the weekend of 15-16 October. That resulted in 16 people, the youngest aged 10, are declared competent after their Foundation License assessment.

The Assessment for Competency system through a network of WIA Accredited Assessors will be rolled out across the nation in coming weeks.

The current WIA Exam Service Invigilators continue to have a role to play in conducting paper-based multi-choice theory and regulations exams for the Standard and Advanced licenses. They can also team up with an Assessor and provide assistance to them.

Only Assessors can conduct the Foundation License assessments and the practical assessments required for those who aren't already radio amateurs who want to take get a Standard or Advanced license.

The license restructure is one of the final actions for the ACMA to flow from its extensive public review of Amateur Service regulation that begun in August 2003.

The first step was the removal of the Morse code proficiency requirement for access to the HF bands, and that occurred on 1 January, 2004.

Likely to be the final matter implemented from the review is the introduction of a Class License for visiting radio amateurs.

This is expected to begin before the Melbourne Commonwealth Games in March 2006 to enable duly qualified overseas radio amateurs to operate for short-term visits without the need to take out an Australian license. They will then be able to operate under their home call sign /VK*

- *Amateur Radio Victoria*

Foundation webpage www.amataeurradio.com.au/foundation

Around the Shack, News & Stuff, WANSARC Club & Members Activities...

WELCOME NEW MEMBER TO WANSARC

Welcome to our latest member, Brian VK3RA, from Preston.

VK3ZCW NOTCHES UP 50 YEARS

No, he isn't 50, but talks like one at times! (hi) November 29th sees Max VK3ZCW celebrate 50 years as a licensed operator on the amateur bands. Well done Max, a great excuse for a scotch! Does this make Max WANSARC's longest current 'ticket' holder? Max is still heard nearly everyday around 16.00 local, on 146.450

SPRING VHF-UHF FIELD DAY 2005

John Martin VK3KWA, advises the dates are Saturday and Sunday November 12 and 13. Duration in all call areas other than VK6: 0100 UTC Saturday to 0100 UTC Sunday.

Duration in VK6 only: 0400 UTC Saturday to 0400 UTC Sunday.

Further details check with John Martin (VK3KWA), contest manager.

SOME COMMENTS ON A.T.V. FROM Peter Cossins VK3BFG

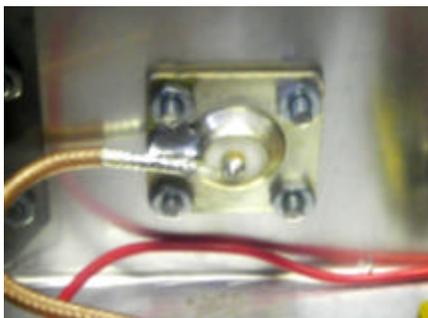
Have had a short read of the ATV article in the WANSARC 2005 May edition, I offer a few comments;

1. Re terminating coaxial cables. I was concerned to read discussion regarding preferred lengths of Teflon (or other) cable for terminating the exciters. If it is found that a specific length is more favorable than another, and then it is the terminating technique that is at fault, you can have any length of cable you like. (taking losses aside) The basic rules are as follows....

(a) Keep the line as short as possible. (to reduce losses)

(b) Terminate Teflon co-ax to a Type N (or a BNC or SMA) connector as shown in the pic. The end of the connector has been cut off to an absolute minimum length and the braid is sweated directly to the connector body. The inner connection is as short as possible.

(c) Cut off the mounting screws to a minimum length. (mine are a bit long!!!)



2. Antenna performance. Antennas are usually evaluated in terms of VSWR by Amateurs. Low VSWR = good antenna.

There are two separate matches that need to be evaluated ... VSWR is one ... but antenna to free space is the other.

The basic (simple) model for any antenna is Antenna Resistance = Radiation Resistance + Loss Resistance. The Antenna Resistance may be close to 50 ohms and hence the VSWR will be low. The Loss Resistance may be high and hence the antenna does not radiate well. The point I am making is that good VSWR does not necessarily mean good radiation. At the extreme end of this I could put a dummy load on the end of the co-ax, the VSWR would be great but signal reports will be minimal!!!! (if any)

This discussion does not take into account co-ax cable losses in actually measuring VSWR that's yet another story.

Both parameters need to be evaluated for assessing the performance of antennas ... low VSWR and good radiated field strength. Would offer to give a chat on these topics at a club meeting if you like. *(Careful – we might just take you up on that! – Editor)*

3. The info on VK3RTV is very out of date. Unfortunately the website is not well maintained. *(But the Repeater sure is!! – Ed.)*

Regards Peter Cossins VK3BFG

(Thanks to Peter from your editor for the CD of his PowerPoint presentation on VK3RTV and ATV in general shown at the NERG Open Day & BBQ. Members of the public when told ATV can be picked up on a normal TV and transmitted legally by amateur radio operators were amazed! Our audience is growing after NERG bbq.)

*Also thanks to our past club President, Grant VK3HFS, for the interview about WANSARC's A.T.V. activity that went to air on the WIA broadcast. *** Peter VK3BFG also made the comment that going by number of ATV kits sold in Melbourne and actual on air ATV activity, it would seem only about less than 10% get built to completion and put up to "air". To all those at WANSARC and NERG that bought ATV kits a while ago – come on and get those soldering irons out, lets turn that trend around!!***)*

MORE MEANINGFUL SIGNAL REPORTS

The Readability, Signal Strength, Tone report or RST has been a part of radio operating since about 1934, but it's unsuitable for modern digital modes of transmission. A new signal measurement is being adopted. Move over RST, make room for RSQ. Graeme Harris VK3BGH and others in the United States and Britain have been advocating the use of a new reporting system for Phase Shift Keying (PSK), with Q standing for Quality, replacing T-Tone that is useful in Morse code operation. After the team worked on the concept for a few years, Graeme VK3BGH wrote an article for the WIA journal Amateur Radio magazine. This was picked up by CQ Magazine, and then caught the attention of OeVSV - the Austrian radio society. OeVSV in a successful motion at the recent IARU Region 1 Conference, we saw RSQ being unanimously accepted for recommended for use below 30MHz. Its paper to the conference said the use of the traditional RST system is almost meaningless for digital modes, while RSQ provides a reliable and accurate description digital mode signals such as PSK31, MFSK, RTTY, Pactor and others. Graeme VK3BGH says he's delighted at hearing news of the IARU Region 1 recommendation and looks forward to it being considered by the remaining two IARU regions in coming years. For PSK, Readability is the percentage of decipherable text, Strength is a visual measure of the waterfall trace, and Quality attempts to describe visible unwanted sidebands.

ACMA approve 'AX' for Melbourne Commonwealth Games

The Australian Communications and Media Authority (ACMA) have approved a WIA request for the use of the AX prefix to celebrate the 2006 Commonwealth Games in Melbourne.

The AX prefix may be used by all Australian Radio Amateurs for the period 1 - 31 March 2006.

CALLBOOK 2006 MAIL ORDERS NOW OPEN

The Australian Radio Amateur Callbook 2006 is expected to be available through Amateur Radio Victoria by early November.

Members are invited to place their mail orders now which will be dispatched immediately Callbook stocks arrive.

The updated Callbook will have details of the new three license structure, details of exam invigilators and accredited assessors, the latest WIA Band Plans, a host of reference material plus a searchable CD.

Mail orders to members:

Cost \$25.50 including post and packing (no increase from previous years c/book)

You may order by mail, fax (9885 9298) or email, and payment can be made to Amateur Radio Victoria by cheque, money order or credit card (normal card details required).

Over the counter at Ashburton purchases of the Callbook will be \$22 per member and \$30 non-member.

Amateur Radio Victoria

40G Victory Boulevard ASHBURTON 3147

HAM RADIO CALLSIGN VEHICLE CAR NUMBER PLATES

Are you interested in getting your amateur radio call sign as your car registration number plate? Vic Roads issues these plates for a fee, currently \$310, upon proof that the vehicle owner holds an amateur radio license. I took a copy of my license in and they photocopied it and attached it with the application. The plates are available for two-letter and three-letter call signs. They come with standard white lettering but a choice of nine background colors. You can purchase Ham Radio plates by calling Vic Roads on 13 1171 or attending a Vic Roads Customer Service Centre and paying the fee. They said the plates would be mailed out in 10 days but I got mine in 4 days. When you swap your old plates

over there is no extra fee, the \$310 covers the lot. I just went outside of the offices with a screwdriver, swapped the plates and returned within a minute and handed them in. Make sure you get a receipt for your old surrendered plates. It took them a while to work out how to enter the request to their computer system, so they must not do many that often. I applied at Vic Roads Carlton.



You can apply on line for custom plates, <http://www.vplates.com.au/> but NOT for call sign plates. The site will say not allowed, as they need to see proof first. You know you will get your call sign as only you hold it! While online I tried "VKC", (Victoria Police Call sign) just for fun and it was available!!! I tried 'WANSARC' as well, but alas, it exceeds six characters!

H.F. ANTENNA TUNNING UNIT SOUGHT FOR NEW EXAMS

Mick, VK3CH, is after an ATU for HF that he can use for the new Foundation License Exams to use in the practical assessment. Any type would do, low power only, does anyone have an old beast surplus to their needs? Mick is happy to swap you for something of your choice from his junk box or will consider paying.

WANSARC CLUB HISTORY OF THE OFFICE BEARERS

Had some comments about last months club history in that it was not complete. This was dated up to 1997. Anyone with history from 1997 to current times is welcome to get a copy to me. Mark, VK3PI is also still compiling the WANSARC club history so he would welcome anything you have as well, contact details page 8.

ODD SPOT, USELESS STUFF YOU WILL LIKELY STILL READ

The honeybee kills more people worldwide than all the poisonous snakes combined. Each year insects eat one third of the world's food crops. The average human body has enough iron to make a 7.62cm nail. Like fingerprints, everyone's tongue prints are different. On average 13 persons die each year from vending machines falling on them, probably by shaking them in anger. About 10% of the population is left handed. If you put a raisin into a glass of champagne it will float to the top then sink to the bottom.

WORDS OF WISDOM?

"It is possible to have too much; an operator with one radio always knows what frequency they are on, a ham with several transceivers is never ever quite sure..."

NO PLANS TO SWITCH OFF ANALOGUE RADIO

THE Federal Government has paved the way for a staged roll out of digital radio services but has not set a date for the phasing out analogue broadcasts. Communications Minister Helen Coonan's much anticipated policy framework gives free spectrum to major commercial radio networks. "Allocation of spectrum will come with a small administrative charge only," Senator Coonan said. The policy excludes giving spectrum to regional broadcaster World Audio. It also bars new operators from entering the market for six years from the rollout of digital radio. Senator Coonan said the policy was designed to help operators move digital radio to the next stage. She also said there would be no move "to switch off analogue anytime soon". Senator Coonan unveiled the policy at the Commercial Radio National Conference in Sydney. She told broadcasters she knew they were keen to hear the policy framework so they could move forward with plans for digital radio.

- Herald Sun Media

MOBILE-PHONE BAN FOR PRISONS

MOBILE phones will not be allowed in to Queensland prisons after a convicted murderer used one to plot an escape using a

helicopter and firearms. Prisoners are banned from having mobile phones but the ban has been extended to cover visitors and staff members. Corrective Services Minister Judy Spence issued the overall ban amid concerns prisoners could take advantage of new technology which allowed people to transmit audio and digital pictures, access the Internet, send and receive emails and text messages. Earlier this year, authorities successfully foiled an escape attempt from Lotus Glen Correctional Centre, near Cairns, when a convicted murderer used a mobile phone to plot a getaway involving firearms and a helicopter. "Intelligence officers retrieved SMS messages detailing the escape plans from a mobile phone that had been smuggled into the prison and found in the prisoner's possession," Ms Spence said today. "While there have been no escapes from secure custody since the Beattie Government came to office in 1998, we are always looking at ways to further improve prison security." Ms Spence said recent advances in mobile-phone technology posed a security risk. She said mobile phones in prisons had been identified worldwide as a "significant and growing problem" as phones were becoming smaller and easier to hide. "If offenders get access to mobile phones while in jail, they could continue criminal activities, threaten people in the community or access telephone banking facilities," she said. Ms Spence said her decision followed a recommendation to the Corrective Services Ministers' Conference in May.

- Herald Sun Media

[So I suppose you're not allowed to operate an amateur radio station 'from on the inside?' (Hi) – Editor]

MOBILES NOT DISASTER ANSWER: EXPERT

A VISITING British expert has warned Australian emergency services not to rely on mobile phones in big disasters such as the London transport bombings. London Ambulance Service chief executive Peter Bradley said mobile networks had effectively shut down after the terrorist strikes as millions of people jammed the system to obtain information and contact loved ones. Some experts even called for mobile networks to be shut down during terrorist attacks as handsets could potentially be used to detonate explosives. Fifty-two people, including one Australian, were killed in the four bombs which exploded in London on July 7, with about 700 people requiring medical treatment. Mr Bradley said about 400 of those people were transported to hospital in the 200 available ambulances while the remainder had to find their own way via other transport, including buses. All of this had to be done amid the ongoing threat of more attacks, he said. Mr Bradley, in Canberra for the Australian College of Ambulance Professionals (ACAP) national conference, said London authorities had since highlighted the need for improved communications. "We were too reliant on mobile telephones and we've learned a lesson there because inevitably everybody used the phone – for phoning home, phoning relatives – and the network couldn't cope with the demands," he said. "Getting communications to the London Underground was also a big issue for us, so we're making sure we work hard with other services to make sure we can actually communicate underground." Mr Bradley said the London Ambulance Service was now looking to introduce satellite phones, pagers and mobile data devices to communicate with staff in the field during emergencies. He said the London bombings were unique in the sense that four separate events occurred more or less simultaneously. "I think what was unique about this was having four incidents all at the same time," Mr Bradley said. "You can cope with large numbers of casualties but when you've got four incidents all happening at the same time and mass confusion and panic, that brings on a whole set of unique issues that we had to cope with. "All you can do is plan and prepare and also work together with other services to deliver the best you can for patients." Mr Bradley said he was not in a position to comment on whether Australian authorities could adequately handle a big terrorist attack here. But he got the impression the best was being done to co-ordinate emergency services. "What I can say is, from my observations in the short time I have been here, that the co-ordination and the working together is unique," he said. "Here in the ACT, the example of the Emergency Services Authority is a great example of how you can get best use out of your resources. "So I think it's a great model to use elsewhere." -Herald Sun Media

[Another good case for having Amateur Radio in the community!!!]

NERG OPEN DAY & BBQ – A GREAT DAY OUT

I could write all about the day, but the words following is an extract from email received from Don, VK3KDT, which really sums it up;

"I did not get to see and speak with all of you and to thank you personally for your most valued efforts that did make our "Open Day" a resounding success. So to each and every one of you, THANKYOU!! To be honest, today's display far exceeded my hopes and expectations that I envisaged for the day. The displays by each group or persons were eye catching, informative and most ably backed up by your enthusiastic one on one discussions with the visitors. It was proof positive that the spirit of Amateur Radio is very much alive in the Amateur Radio Community today, having from our WIA President manning a WIA display, People from WANSARC, the VKS737 group, the Mitsubishi Pajero club, Chris from the VKS737 network and of course all the fine demonstrations presented by my fellow NERG members. The day could not have been better, the weather was kind to us, the local councilor was most impressed, and the visitors were likewise impressed. The visitors that I talked to complemented the presenters of each display saying that they had no idea of the diversity of our hobby. 10 of them have indicated a desire to attend our first training session and to obtain their foundation license. These are in addition to the many who have indicated already that they are waiting on the NERG to run theirs and range in ages from quite young children (at least 4 students) to recent retirees. The HOBBY is alive and vibrant again. My sincere thanks to my fellow NERG's and to all who attended for presenting our Hobby so brilliantly today. For those who took photos etc, I would be most grateful if you could Email me copies of them to include in the NERG photo album. My thanks to: Michael Owen VK3KI, Robert Broomhead VK3KRB, Jim Linton VK3PC, Grant Stowell VK3HFS, Michael Ampt VK3CH, Dirk Versluys and Mark Dods, Chris Aulich VKS737 group, John and Andrew Weir, Greg Williams, Mark Harrison, Gerhard Coziol, David Aston, Jim Baxter, Ernie Walls, Ewan Templeton, Stephen Warrillow, Doug Canning, Peter Cosway and to all the others that I have not listed. My Kindest Regards, Don VK3KDT"

Grant VK3HFS recording a session for VicLink News



Foxhunting and radio tracking gear in one of the 4WD's



WIA President Michael Owen at the W.I.A. information stand



Nostalgic gear from years gone by



And the latest digital modes on display, fully functional demos



And of course there's always the food – fantastic weather as well



Space limits me to a few photos, far much more was on display. I'm sure the next N.E.R.G. newsletter will also have much more on the day – thanks to ALL the N.E.R.G. team for the invitation and thanks go also to Graeme VK3NE and Alex VK3XLC for assisting in the AT.V. demo / display setup – 73's from Mick VK3CH.

Laughter is a medicine...



© UFS, Inc.



© Scott Adams, Inc./Dist. by UFS, Inc.



© UFS, Inc.

THINGS WE CAN LEARN FROM A DOG

- Never pass up the opportunity to go for a joyride
- Allow the experience of fresh air and wind in your face to be pure ecstasy
- When loved ones come home, always run to greet them
- Let others know when they've invaded your territory
- Take naps, and stretch before rising
- Run, romp and play daily,
- Eat with gusto and enthusiasm
- Be loyal, Never pretend to be something you're not
- If what you want lies buried, dig until you find it
- When someone is having a bad day, be silent, sit close by and nuzzle them gently
- Thrive on attention and let people touch you
- Avoid biting when a simple growl will do
- On hot days, drink lots of water and rest under a shady tree
- When you're happy, dance around and wag your entire body
- No matter how often you're scolded, don't buy into the "guilt thing" - run right back and make friends
- Bond with your pack
- Delight in the simple joy of a long walk.

A handy "mod" from Chris, VK3FY...



rapid CW/QSY mod FT1000d for you guys who like to jump around alot

WANSARC VK3AWS



PRESIDENT: Graeme McDiarmid VK3NE vk3ne@wia.org.au

SECRETARY: Mark Stephenson VK3PI Telephone: 0400 443 218 vk3pi@optusnet.com.au

Email: wansarc@wia.org.au All correspondence to be addressed to the SECRETARY: PO Box 336, RESERVOIR 3073

WANSARC CLUB PROFILE

History

The Western and Northern Suburbs Amateur Radio Club (WANSARC) was first formed in 1969 and since then has served the needs and interests of amateur radio operators, short wave listeners and those interested in hobby radio and electronics. The club is not gender specific, having both female and male members. Members come from all walks of life with a mix of experience, young and mature, novice and technical. The most important aspect of the club is the willingness of all members to share their knowledge for the benefit of others. Members mainly reside in the west and north of Melbourne; however membership is encouraged from all interested.

Meetings

Building K, Northern Metropolitan Institute of Technology (NMIT), St. Georges Road, Preston (Western side between Bell Street and Cramer Street) Melway 18 E12 **PARKING at NMIT- Members please note that parking adjacent to the club room building K is illegal and NMIT staff WILL book any cars which are parked in that area. ALL members must park cars in the main car park to the WEST of building K. Just look for vehicles with lots of aerials!** Meetings held on the 1st Friday of each month (excluding January) commencing at 7.30pm local time.
Talk in on 146.450MHz FM—call club station VK3AWS.

Benefits

Free technology and related presentations, sponsored construction activities, discounted (and sometimes free) equipment, network of like minded radio and electronics enthusiasts, excellent club facilities and environment.

Club Nets

146.450MHz FM each Tuesday evening commencing 7.30pm local time.

Linked to Echolink for intrastate, interstate and international stations participation, Echolink VK3FY Node # 20928, Repeater VK3RFY Echo IRLP Repeater Nodes Echolink Node # 3037, IRLP Node # 6079, 438.400MHz (-) offset, PL=123Hz (coming soon) 147.425MHz Simplex (cross-band linked) currently being updated, not currently always functioning, check on the actual night. This link is only brought up on the frequency of 146.450 MHz during the running of the WANSARC Net on Tuesday nights and *only when VK3FY is present at his QTH.* <http://members.tripod.com/~VK3FY/index.html>

More Information

Website: www.wansarc.org.au

Committee: Chris VK3FY,
Dan VK3DWH,

Bob VK3EL,
Tony VK3BZT

Email: wansarc@wia.org.au

Magazine Editor / Contributions: vk3ch@alphalink.com.au
VK3CH Mobile: 0434 149 045 Editor Fax: 03 9489 9961

Postal: WANSARC PO Box 336 RESERVOIR 3073

A proud tradition of supporting hobby radio and electronics enthusiasts since 1969

All editors comments are the comments of Mick, VK3CH and may not always represent the opinions of other club members of WANSARC.

In any case anything stated is to promote interest and active discussion on club activities and the promotion of Amateur Radio in general.

Contributions to WANSARC are always welcome from any part of the world. You can either post material to the Post Office Box address at the top of this page, or email your submission to the editor direct at vk3ch@alphalink.com.au

Email attachments not to exceed 2 Mb in file size. Attachments of (or thought to be) executable code will not be opened.

Other persons or radio clubs may edit or copy out such as they like from the magazine but a reference to WANSARC is appreciated.

Other articles that are credited to outside sources should be asked for their permission if they are used.

While we strive to be accurate, no responsibility will be taken for errors, omissions, or other perceived deficiencies, in respect of information contained in technical or other articles.

Any dates given for upcoming events should always be checked with a reliable source – coming up on the weekly WANSARC Tuesday evening NET on 146.450 MHz starting at 07:30 pm AEST is recommended to discuss and confirm information.

If not delivered within 7 days, please return to:
WANSARC P.O. Box 336 Reservoir 3073

“WANSARC NEWS”

Monthly journal of the

Western & Northern Suburbs Amateur Radio Club