

WANSARC NEWS

Incorporated in Victoria, 1985 Registration Number: A0007611S

Closing Date for Articles and Advertisements for next issue in December is 24th November

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: 37

Issue 12

December

2006

Next Club Meeting

19.30 hours - Friday 1st December at the TAFE

EPROM Burning, Circuit Board Assembly, Tuning & Alignment of Club Project

WANSARC CHRISTMAS DINNER 2006

Christmas Dinner – Will be held on Friday 8th December @ N.M.I.T.

For Members, Family and Friends of WANSARC

Please arrive around 7.00pm for a 7.30pm Start - Bar Open from 7.00pm

Our guest speaker is Michael Feramez, Senior Lecturer from La Trobe University, Bundoora.

He will be talking about **DIGITAL TELEVISION AND RADIO**.

The research interests of Mr Feramez lie in the area of Communication Engineering.

Statistical modelling and characterisation of VHF radio channels beyond line-of-sight. Digital microwave radio communications, cellular radio communication networks planning and performance evaluation. Asynchronous Transfer mode (ATM), Satellite communication and Global Positioning Systems. Telecommunication networks planning, design, performance and management.



This is one week after our usual December 1st meeting which will still happen,

So that's two meetings in December, second one is the Club Christmas Dinner, Friday 8th

All members would have received an Invitation and Menu from club Secretary Mark, VK3PI. If you have not sent it back, then do so (or by proxy) by next meeting on December 1st. It's your final chance to confirm and pay your booking for the dinner on December 8th.

WANSARC has no club "TAFE" meeting in **JANUARY**, but there is always the 'meeting' at Bundoora Park

WANSARC Family Fun Day & BBQ

At the usual Rotunda No: 1, Mount Cooper, Bundoora Park

WANSARC Family Fun Day – in its 4th year – Sunday 21st January 2007

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WANSARC Family Fun Day

Sunday 21st January 2007

Mount Cooper, Bundoora Park

It's on again – in its 4th year!

Remember **WANSARC has NO club meeting at the TAFE in January**, but this is a fine substitute!

The very popular **WANSARC Family Fun Day / BBQ / Radio Fair** will happen again at the same venue as last year. Gear will be setup from sunrise and cooking of food will be well in progress by 11.00 am – **All Soft drinks, Food and Nibbles & Salads are all club supplied so just turn up!**

The club station of **VK3AWS** will once again be active for the whole day, so if you confuse your bearings, have a 2 meter rig or hand held in the car and call in on **146.450 MHz FM**

You can find Bundoora Park in the Melway ® Ref: **Map 19, F4**

As you enter the park from Plenty Road, turn right into River Red Gum Avenue and follow it all the way until you come to the last rotunda on your left, just look for the wire antennas and other club members, if you have 146.450 MHz going we can even “call out” to you as we see you approaching, for the rest that remember – it's the same place as last year, which puts it at Map square 19 F 1.

Last year gear was being setup from nearly the dawn light, got to grab the Rotunda early!!!

Let Graeme 'NE', Mark 'PI', Mick 'CH' or any of the committee members, contact details listed on page 8, of anything you can bring or providing on the day, or tell us during the club Tuesday NET.

Advice on numbers attending, including invitees will also help in the planning & catering for the day.

Some of the attractions over the last few years and also this year include;

- Radio demonstrations for HF, VHF, UHF, Scanners...
- Club provided Food & Soft Drinks, expertly cooked and presented by our Club Chef's
- Your kids can annoy other kids instead of you
- Foundation License Information available – ask our examiners Mick & Chris all your questions
- Catch up with old friends – Make new ones – Put a face to the “voice on the air”
- Marvel at the radio setup and antenna work of some of our members vehicles
- Enjoy a lazy relaxed day in the sunshine with some yummy eats...
- Catch up on the gossip – radio and otherwise...
- Work some DX or see other modes (*even Morse Code!*) you may not play with much
- Hear the latest news about Ham Radio in general
- Discussions & preparations for the John Moyle Field Day 2007

*This is the perfect time to bring along a prospective new member,
Your spouse, kids, in-laws, neighbors, the dog!
Just to show them Amateur radio isn't just radios and aerials!!*

*If you only come to one WANSARC meeting this year – this is it!!! Look for Rotunda No: 1.
Bring along your chair, shade if you want extra, a hat, sunscreen and anything else you want on hand*

Around the Shack

FLAW FOUND IN NEW MICROSOFT BROWSER

An Internet Explorer 7 flaw, found just hours after the browser's launch, could result in sensitive data such as your internet banking details falling into the hands of criminals, says Danish security firm Secunia. "vulnerability has been discovered in Internet Explorer, which can be exploited by malicious people to disclose potentially sensitive information," says an advisory published on the Secunia website. "The vulnerability is caused due to an error in the handling of redirections for URLs ... This can be exploited to access documents served from another web site," the advisory reads. The flaw enables attackers to steal user information that's being entered on a separate website, just as long as the user is visiting a site exploiting the flaw in another window.

It is understood that one possible scenario entails attackers leading users to an infected website, hoping that they will at the same time login to an online bank account. Should this occur, the attacker would be able to hijack the user's username and password.

But Thomas Kristensen, Secunia's chief technology officer, told CSOnline.com that "it is hard to exploit the flaw because it requires the attacker to lure someone to a malicious site, and for the attacker to know what other secure site the visitor might simultaneously have open".

Last year Secunia found the same flaw in Internet Explorer 6, but it remains unpatched by Microsoft.

Until the flaw is patched, Secunia says an alternative solution is to "disable active scripting support". Details on how to do this can be found on Microsoft's website here.

Internet Explorer 7 was officially released by Microsoft yesterday, and is sent through to users as an automatic security update. Users have the option of whether or not to install it on their computer.

Microsoft has not made any official comment on the discovery.

The ARRL wants the FCC to throw its support behind a Draft Proposal seeking to have World Radiocommunications Conference 2007 (WRC-07) delegates consider a worldwide, secondary Amateur Radio allocation from 5260 kHz to 5410 kHz. *Sourced to ARRL letter – form WIA News*

FINLAND WINDING DOWN ANALOG TV

Analog television broadcasting is coming to an end in Finland.

In a recent article, the Finnish News Agency STT reminded viewers that all of that nations television transmissions will switch to digital on August 31st of 2007.

The article noted that as of June of this year, about half the households in Finland with TV sets had acquired a digital adapter, set-top converter box or had purchased new receivers.

The European Union recommended all member states complete their transition to all digital operation by 2011 at the latest.

-from WIA News

TOKYO ROSE SILENT KEY

Tokyo Rose is something of an urban legend -- a fictional person cobbled together from scraps of real history. There's no proof that such a woman existed, although one woman was convicted of treason as Tokyo Rose.

During World War II, American soldiers dubbed the female broadcasters on Japanese radio, "Tokyo Rose." It was a name invented by the soldiers -- U.S. government research never found evidence of a person named Tokyo Rose in radio programs anywhere in the Pacific. The voice of Tokyo Rose was said to have taunted Allied forces during the war, hurting morale.

Iva Ikuko Toguri is the woman who was tried as Tokyo Rose. She is a first-generation Japanese-American who happened to be visiting a sick relative in Japan in 1941. When war was declared between Japan and the U.S., Toguri was trapped in Japan and pressured by Japanese military police to renounce her American citizenship. She refused. Instead, she learned Japanese and took two jobs to support herself while she sought a way to return home.

One of her jobs was as a typist for Radio Tokyo. There she met American and Australian prisoners of war who were being forced to broadcast radio propaganda. Toguri scavenged black-market food, medicine, and supplies for these POWs. When Radio Tokyo wanted a female voice for their propaganda shows, the POWs selected Toguri. She was one of many female, English-speaking voices on Radio Tokyo, and she took the radio name of "Orphan Ann." Her POW friends wrote her scripts and tried to sneak in pro-American messages whenever possible.

After the war, several reporters went to Japan to find and interview the infamous Tokyo Rose, offering large cash payment for an interview. A woman at Radio Tokyo pointed the reporters to Iva Toguri, and Toguri, thinking that she and her new husband, Felipe d'Aquino, could use the money, agreed to be interviewed. She even signed a contract stating that she was the infamous Tokyo Rose. A reporter gave the interview notes to U.S. Army Counter Intelligence, and in 1945, the U.S. arrested and imprisoned Toguri in Japan. She was released in 1946, but was arrested again in 1948, and taken to the U.S. to be tried for treason.

Her trial was considered the most expensive in American history at that time. The U.S. government stacked the deck against Toguri and her meager defense, and the judge later admitted he was prejudiced against her from the start. Toguri was found guilty of only one of the eight treason charges -- "That she did speak into a microphone concerning the loss of ships." She was sentenced to 10 years in prison and fined \$10,000. Because she was a model prisoner, Toguri was released early in 1956, although she was served with a deportation order which took two years to fight.

In 1976, the TV news show 60 Minutes told the Tokyo Rose story from Toguri's point of view. This led to a full pardon for Toguri from President Gerald Ford in 1977.

Unfortunately, Toguri's husband was never able to join her in the U.S. They reluctantly divorced in 1980, and d'Aquino died in 1996.

She died on September 26, 2006, aged 90.

-From various sites on the internet

VK8 BEACON

Alice Springs has a beacon on **50.046 MHz**. So when you've heard/worked North South East and West try for the Centre, **VK8RAS** in Alice on **50.046** *-from WIA News*

HD-DVD vs. BLU-RAY DVD WAR COULD KILL BOTH

The high definition DVD war is officially on and one research group says that having opposing technologies could mean that all of us will be the losers. Dealers across the board have been predicting a lackluster 2006 Christmas selling season for the improved DVD's. They are expecting consumers to wait for one format to win out over the other in the same way that VHS destroyed Betamax some 20 years ago.

Meantime, the high definition DVD war just got even warmer. This with word that Toshiba and Memory-Tech have jointly announced a new single-sided three-layer disc that is compatible with both DVD and high definition HD DVD players.

While this new disc could help solve the cross computability issue for consumers, some electronic marketplace watchers are not so sure. Some of the real pundits are expecting the Blu Ray camp to try to strop the introduction of the new by claiming the need to protect intellectual copyrights of their DVD programming in the courts. *-from WIA News*

An OM will pay \$2 for a \$1 item he needs.

An XYL will pay \$1 for a \$2 item that she doesn't need.

A YL worries about the future until she gets an OM.

An OM never worries about the future until he gets an XYL!

A successful OM can make more money than his XYL can spend.

A successful YL is one who can find such a man!

CLUB TIMEWAVE DSP-59+ SOLD

Thanks to the vigilance of Bob, **VK3EL**, the club has concluded a deal with Fred, **VK1FH**, which will add \$200.00 to our club bank balance. Thanks also to **Gordon VK3YOD** for the gear snapped up at the last meeting. **Max VK3ZCW** and **Allen VK3SM** also donated gear which was to be had at bargain prices. All told several hundreds of \$ for the club – well done to the donations and lucky buyers and of course **Mark VK3PI** for his Auctioneering skills. If you missed the meeting – you missed out!

FOUNDATION LICENSE TRAINING & ASSESSMENTS

Enrolments are now open for the final Foundation License training and assessments weekend for 2006 to be conducted by Amateur Radio Victoria, at Box Hill North. This will be the 18th assessment session held since it began them in November 2005, resulting in 100 people gaining their Foundation License, ten Standard Licenses and two Advanced Licenses. To enroll or make inquiries about the Amateur Radio Victoria training weekend of the **9th and 10th of December**, please contact Barry Robinson **VK3JBR** on 0428 516 001 or email arv@amateurradio.com.au

EUROLOOP OF CONCERN TO EUROPEAN HAMS

Hams across Europe are wary of a report issued by the European Radiocommunications Office. One that seems to suggest that rail signal control uses the high frequency spectrum. The E-R-O draft report is called "Studying the compatibility issues of the UIC Euroloop System with other systems in the frequency band 9.5 to 17.5 MHz". The Euroloop system it discusses would be used to provide train signaling information using a wideband High Frequency transmission system feeding a leaky coaxial cable laid down in the inner or outer groove of the rail.

Hams are very much aware that the proposal to use these frequencies could have an adverse impact on several services. These include broadcasting, the military as well as Amateur radio.

TECH TRASH PILING UP

THE nation's race for high-tech gadgetry is fast becoming a 10-million-tonne waste of space. Figures released today by the Australian Bureau of Statistics show electronic waste - cast-off computers, televisions and mobile phones - is growing at more than three times the rate of general rubbish.

Australians generated 32.4 million tones of waste in 2002-03, an increase of 9.7 million tones on 1996-97 figures.

More than one-quarter of this was domestic waste, from households, park and street litter bins, with more than 17 million tones being disposed of in landfill, the ABS found.

In 2006, there will be about 1.6 million computers disposed of in landfill, another 1.8 million in storage, and 5.3 million gathering dust on top shelves and in garages across the country.

Only 500,000 will be recycled.

An estimated 92.5 million electronic items are held in Australian homes - an average of 22 per household.

"Australians are some of the highest users of new technology in the world," said Peter Harper, author of the Australia's Environment: Issues and Trends report.

"Ecorecycle Victoria figures show that, each year, Australians buy more than 2.4 million personal computers and more than one million televisions.

"However, the stockpile of used, obsolete electronic products keeps growing." Dumping electronic goods in landfill posed environmental concerns, including the leaching of heavy metals and other toxic components, such as battery materials, the report said. Generally, however, recycling had expanded considerably in the past 20 years to become a widely accepted part of waste management practice.

Between 1996-97 and 2002-03, recycling grew by 825 per cent, and was most popular in the ACT, where 69 per cent of waste was recycled in 2002-03.

Public concern on environmental issues continued to decline to 57.1 per cent in 2004, from 62.2 per cent in 2001 and a high of 74.8 per cent in 1992.

The figures were compiled too late to include the public's response to the latest rash of publicity on the drought and climate change.

Green sentiment was highest in the ACT, at 69 per cent, and lowest in the Northern Territory, at 49 per cent.

The NT was the most concerned of all the states and territories in 1992, with public concern at 79.6 per cent.

Despite the lower level of environmental interest, the NT is leading the way in the use of solar power, with 42 per cent of homes using it, against a national average of 4 per cent.

YOU MIGHT BE A HAM IF.....

1. YOUR WIFE SAID "LET'S GO SEE AUNT ANNA AND YOU THOUGHT SHE SAID ANTENNA!"
2. YOUR WIFE SAID "COULD YOU CUT THE GRASS?" AND YOU THOUGHT SHE SAID POUND THE BRASS!
3. YOUR WIFE SAID "WE'VE BEEN INVITED TO BREAKFAST AND YOU THOUGHT SHE SAID HAM FEST!"
4. YOUR WIFE SAID "SOMETHING IS WRONG WITH THE CHEQUE BOOK; YOU THOUGHT SHE SAID LOG BOOK!"
5. YOUR WIFE SAID "IS MY SEAM STRAIGHT? AND YOU THOUGHT SHE SAID, "IS MY BEAM STRAIGHT?"

You might be hard of hearing too!! -N4UJW

HAMFEST JARGON TRANSLATED

This rig puts out a BIG signal - *It's 50 kHz wide.*

This is a really good CW rig - *It doesn't work on SSB.*

This is a really good SSB rig - *It doesn't work on CW.*

This is a really good rig - *It doesn't work on CW or SSB.*

The transmitter is outstanding - *It doesn't receive.*

The receiver is really hot - *It doesn't transmit.*

This rig is really hot - *It's stolen.*

It seems to be a vintage regenerative type - *It oscillates.*

I just re-tubed it - *Got 'em from questionable used tube stock.*

I just aligned it - *The slugs on the transformers are jammed.*

I don't know if it works - *It doesn't work, probably never has.*

It doesn't chirp - *It doesn't chirp because it doesn't transmit.*

The audio sounds great - *The 50Hz buzz is faithfully reproduced.*

I just had it serviced - *I sprayed WD-40 over all the wiring.*

It comes with the original box - *Just brush out the kitty litter.*

Better buy it now, cause it won't last - *No translation needed here.*

It works at full power - *It sucks all it can from the wall outlet.*

This rig has wide frequency coverage - *It drifts up and down and out of band.*

Frequency stability is great - *The VFO doesn't work - you'll have to use crystals.*

Real popular rig in its day - *There were whole HF nets on the repair and maintenance problems.*

QST gave this one a really great review - *The language broke new ground for profanity.*

It might need a bit of tweaking - *Marconi himself couldn't fix it, much less align it.*

It was used in government service - *It was stored outdoors on a wooden pallet.*

The dial drive may need lubricating - *The gears are stripped and the setscrew's frozen.*

I plugged it in to check that it lights up - *The light came from the two foot high flames.*

I'm selling it because I have two of them - *I'm getting rid of my parts radio.*

This is a collector's item - *The manufacturer just went belly up and won't honor the warranty.*

It came from an estate sale - *If you have any problem take it up with the original owner.*

- found on the internet, where else!

RF Safety

Why are we concerned with RF Safety?

To date, despite extensive scientific studies, the only confirmed biological danger from radio frequency energy is the heating of tissue to temperature levels that cause it to be damaged. Although there are those who believe that any exposure to RF energy must be dangerous, the evidence does not support that belief.

Yet, people do get sick and we would like to make sure that we avoid doing any damage.

One thing that scares people is that RF energy radiates, and some use the term RF Radiation (RFR). Since the word, radiation, is more commonly associated with atomic bombs and radioactive substances, which are quite dangerous to living organisms, RFR simply sounds dangerous.

All energy radiates and there are different types of radiation, some dangerous and some not. For instance, a radiant heater causes heat to radiate so that we can stay warm in the winter.

Yet the radiated heat is not inherently dangerous. Visible light radiates and, for the most part, is not dangerous.

Radiating energy can be divided into two groups: Ionizing Radiation and Nonionizing Radiation. The division between the two is based on frequency. Ionizing Radiation, by definition, is capable of knocking electrons loose from chemical substances, or ionizing them. Since this energy is capable of changing chemical structures, it can be extremely dangerous to living tissue. One of the more onerous results of exposure to ionizing radiation is that DNA molecules in cells are ionized and change their form. In some cases, the change of DNA can lead to cancer. Nonionizing Radiation is not capable of ionizing chemicals and cannot cause cancer as described above.

Ultraviolet light has been shown to be the energy with the lowest frequency that can still ionize. Its frequency is in the range of 10^{15} Hz (1,000,000,000,000,000 Hz). The highest radio frequencies that the population is exposed to are in the range of GHz (10^9 Hz, or 1,000,000,000 Hz). Radio waves that people are exposed to are a million times lower in frequency than the lowest frequency that is classified as ionizing radiation. High Frequency RF is not ELF. People often lump their concerns about RF energy under one category.

There are two distinct groups of energy, at least with respect to bioeffects. The energy that is emitted from power lines and appliances is often categorized as Extra Low Frequency (ELF) and typically interacts with biological tissue through its magnetic field. The RF energy used mostly for communications has much higher frequencies and tends to affect tissue through its electric field. This energy is categorized by its frequency ranges: Medium Frequency (MF, 300 kHz to 3 MHz), High Frequency (HF, 3 MHz to 30 MHz), Very High Frequency (VHF, 30 MHz to 300 MHz), and Ultra High Frequency (UHF, 300 MHz to 3 GHz).

Amateur Radio operators make up one of the most interesting groups to study in the field of RF Safety. Of all groups in the population, amateurs typically have the longest term exposure to a variety of frequencies at many different power levels. For instance, a person using a standard analogue cellular telephone in the United States will be exposed to between 0.06 and 0.60 watts from about 800 to 900 MHz at a distance of inches the entire time he or she is talking to someone.

An amateur radio operator can be exposed to up to 1500 watts of power over a frequency range of 1.6 MHz to several GHz. In the MF and HF frequency ranges (1.6 MHz to 29.7 MHz); it is customary for amateurs to keep log of their on-the-air activities, which could prove useful exposure studies.

Many radio amateurs also perform their own maintenance activities, further affecting their exposure to radio frequency energy. There are currently about 640,000 licensed radio amateurs in the United States and over 2.77 million worldwide. RF Dangers Yet, there is still the possibility of danger from radio frequency energy, particularly at MF and above.

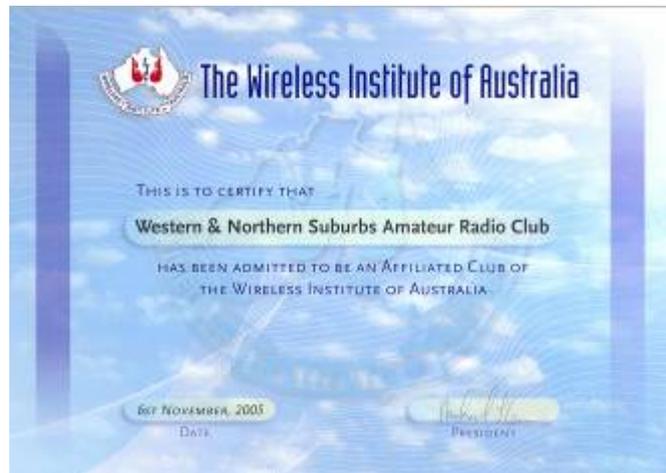
When any energy is absorbed in tissue, it is converted to heat. The most common example of this is what happens to food in the microwave oven. Food usually tastes better after being heated. Living tissue does not fare so well. We all have experienced what it feels like to have a fever. The body controls its temperature very precisely at 98.6°F (37°C). By the time our core body temperature has risen just a couple of degrees, say to 101°F (38.3°C), we feel bad. If our body core temperature rises above 105°F (40.6°C) our lives are in danger.

RF safety guidelines prevent us from being exposed to levels of energy that can cause dangerous temperature increases in our tissues.

Taken from Shepparton and District Amateur Radio Club, November Newsletter, used with their kind permission.

This certificate arrived in the editor's mail last month and was handed to Club Secretary **Mark VK3PI** for safekeeping last meeting.

Very pleasing to see **WANSARC's** support for the work of the 'new' **W.I.A.** A lot has happened in AR since these new changes. The predicted 1000 new licensees with the introduction of the three new license classes since October last year has been achieved and the numbers continue to grow.



SILENT KEY - Allen Fairhall VK2KB

The passing of Allen Fairhall VK2KB closes a chapter in the history of radio in Australia. Living all of his life in the Hunter Valley around Newcastle NSW, he obtained his amateur radio license at the age of 17 in 1927, which led him to become a commercial broadcasting pioneer in Australia a few years later. He was just an ordinary fellow, from a poor family, who became a high achiever. After finishing high school he was trained as an electrical fitter at the Newcastle dockyard and when the Depression hit throwing many out of work he decided his new career would be radio. His first steps were in 1929 when he began amateur broadcasting of music on Sunday mornings using a gramophone and some borrowed records. In 1931 he established commercial radio station 2KO Newcastle - building the studio and transmitter himself. With an associate, Harold Pickover, he became engineer, announcer, disc jockey, copywriter, salesman and everything else.

During the depression he sought out radio amateurs and offered them employment. He recognized there was a pool of people with skills who deserved gainful employment at a time when jobs were extremely hard to get.

During World War II, although medical unfit for enlistment, his engineering skills were put to good use with him being in charge of work on radio and radar equipment for the armed services. The Newcastle Broadcasting Company's 2KO became a most successful regional station and he sold his interest in it in 1947.

Following a three year term on the Newcastle City Council, he entered Federal Parliament in 1949 as Member for Paterson holding that seat for 20 years. He was Minister for Supply and Minister for Defence. One of his duties was to officially open the Dural facility of the WIA New South Wales Division. It was identified as a valuable resource in terms of being a communications

centre for civil defence. In December 1967 he was seen by many as the likely successor as Prime Minister after Harold Holt drowned, but preferred to remain as Defence Minister due to major abdominal surgery.

On the eve of the 1969 Federal Election he decided to quit the federal parliament.

Always keenly interested in amateur radio on regularly on air and socialising at field days and other gatherings. Allen was very active in moves by the WIA to re-build its status following the legalization of CB radio in the late 1970s. He was an honorary Life Member of the Wireless Institute of Australia for long term services to amateur wireless and its subsequent development.

Sincere condolences to Lady Monica Fairhall, his son Allen and extended family, and to all who had the privilege of knowing this fine Australian. Vale Allen Fairhall VK2KB *(Jim Linton VK3PC - from WIA News)*

Welcome to new members of WANSARC

Tony VK3JED, Garry Wallis SWL, Ed Parsons VK3GD, John Kidd SWL

Term of the Month

A *Trojan*, or Trojan horse, as it's usually known, is a malicious program disguised as, or embedded within, legitimate software. It is derived from the classical myth of the Trojan horse. Compared to other types of malware, like viruses or worms, Trojan horse programs cannot operate autonomously. Just as the Greeks needed the Trojans to bring the horse inside for their plan to work, Trojan horse programs depend on actions by the intended victims.

Wondering what to give for Christmas? How about a Foundation License Manual for the Christmas stocking...

A Pittsburg woman told a gas station attendant that she had spilled some gasoline, and wouldn't pay for it. He indicated disbelief, whereupon she said, "Look I'll prove it," and tossed her cigarette into the puddle.

The gas ignited -- proving her point, but landing her in court in 1993 for inciting a catastrophe.

When you hear the words, "Look, I'll prove it," run away!

-Darwin Awards, from Internet

CLUB QSL CARD OFFER

No, it's not a free 'worked VK9!' **Chris, VK3FY**, has found a very good, yet inexpensive, **QSL** card printer. Here is a look at Chris's cards that he is getting made. The costs of these are as follows; **EURO\$45.00 per 1000 cards, but become cheaper as you buy more. Full Color Front and Grey scale on the back.** Shipment will depend on what you choose as a way of getting them from Poland to Australia. I am choosing shipping from Czech Republic which will cost me **EURO\$60.00 for 40kg**, coming surface. Surface will be 1 month - 3 months. **WANSARC** members can email **Radek**. His website is www.coolqsl.com When they eventually arrive Chris will bring one to show the members. His cards are up on his website already.



QSL Card 400+ lucky hams will be getting from last DX trip

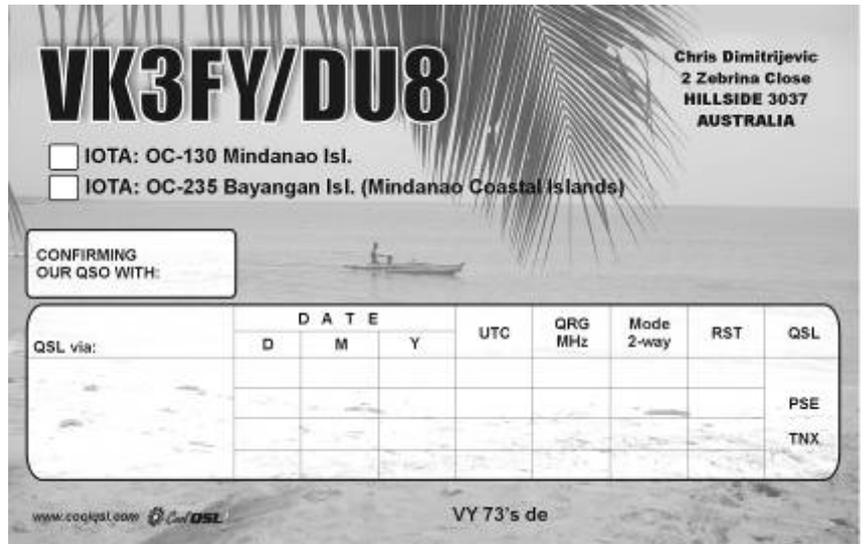


QSL Card for home QTH use

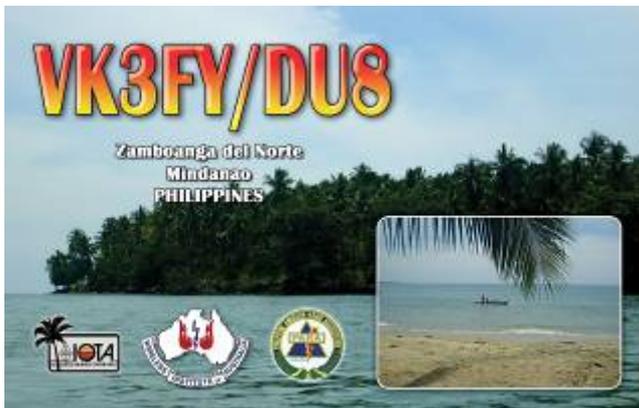
QSL Card for Nikolaas, VK3FNIK



The rear of the DX Card, note the grey scale background



And finally the QSL Card to use while visiting the relatives...



Cool QSL Website



Late News - **Radek** has offered **WANSARC** members a 10% discount
 Regards,
 Chris de VK3FY

WANSARC VK3AWS

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

SECRETARY: Mark Stephenson VK3PI Telephone: 0400 443 218 vk3pi@optusnet.com.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 plus an informative monthly newsletter for members to post articles, news, classifieds for all radio, test equipment, etc, featuring Amateur Radio news from WANSARC, WIA, ACMA, Melbourne Clubs, VK and Worldwide.

Club Nets

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

Sometimes the NET is linked to Echolink on 146.450 MHz during the WANSARC Net on Tuesday nights and *only when VK3FY is present at his QTH.*

More Information

Website: www.wansarc.org.au

Committee: Chris VK3FY,
Dan VK3DWH,

Bob VK3EL,
Tony VK3BZT

Postal: WANSARC PO Box 336 RESERVOIR 3073

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

All editors' comments 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@wia.org.au

Email attachments not to exceed 1 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.

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

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