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THE PROPAGATOR. IARS

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Meetings 2 Tuesday every month (except January) 3 E 3 Building Montague street Nth Wollongong
Starting 7 30pm. Official newsletter of the Illawarra Amateur Radio Society Inc. PO Box 1833 Wollongong.

*****EDITORIAL*****

Christmas. A festive time of the year. A time to spread good will and to forget old grudges. A time to assist those less fortunate than ourselves. A time for change, for preparing for the new millennium. A time when, no matter how depressed or troubled we are, we try to put on a bold front and spread a little cheer to others. Wouldn't it be great if every one in the world was just a little nicer to everyone all the **TIME**, instead of just at Christmas? If everybody in Australia increased their understanding of their fellow man by just 1%, it would be great. That would be a 18,000,000% improvement. Seriously, why don't you alter your attitude a little. Oh no, not you, I know you're perfect, I'm talking to him over there. Why not be more forgiving? Why not improve your attitude towards others just a little. You'll find that if you say "G'Day" instead of "Piss Off", life would be more pleasant!!!!!!!!!!!!

Sadly the last club meeting of the CENTUARY will be held at the usual place on December 14th so come along and enjoy the very short meeting and enjoy the company of the federal president Peter Naish vk2bpm and fellow Amateurs over a cup of tea/coffee. Maybe we can all discuss what MAY happen at the

stroke of midnight on December 31.

I know where I will be. I will be turning back my computer clock so my new computer will be working and waiting for the lights to turn off when I turn on the water taps!!!! Or even looking skyward to see if any planes fall out of the sky. If you where to believe all the stories about the Y2K bug nobody seems to know what will happen. I wouldn't mind if the bank thinks my account has had NO interest for a long time, and pay me massive amounts of interest. I would retire TOMORROW.

Looking back over the last 100 years, not that I can remember the first half of this century. A lot has happened.

There where very few cars and now we are told to use them less.

There where no computers, where would we be now with out them.

There where no time saving devices. Now we have no time to ourselves.

Radio was in it's infancy. Very little voice just CW. Now you still have to learn CW to get a full call.

Junk food was not invented, some people can not live without it now.

People got sicker. Our hospital waiting lists are longer now.

TV was many years away, but we now have a baby boom!!!!

The working week was around 60 hours but then your wages seemed to buy more.

Holidays where very few now-a-days we take them for granted. To travel to the next village was a great treat, now we are talking about traveling to the moon. Talking about the moon, at the turn of the century man looked at the moon and wondered. It's been a few years now but man has wondered on the moon. At the turn of the century man had much space to live in now he can live in space. The international space station will be in use very soon.

What I would like to see in the next 100 years, not that I will be around for all of it, is peace happiness all around the world and man being able to live together without wars!

**A VERY HAPPY AND SAFE
CHRISTMAS AND A
VERY GOOD YEAR FOR
DX.**

In this issue

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Minutes of general meeting held on 9th November 1999

Opened at 19:40

Attend 25

Apologies from: vk2's xic, hpr, zdm, ezd, zrf, zlj, axj.

visitors: vk3zzp Robert, vk2asv Roy, vk2tjq Brian.

Correspondence in: ACA licence for vk2amw. Vk2wia meeting minutes Select insurance Brokers receipt for insurance ACA letter re the portable operation of a club station. ACA licence for vk2rmp. Vk2wi re linking to vk2rwi. Transgrid re site at maddens plains and the y2k bug. Vk2wi receipt for the delegates going to conference of clubs. Moved vk2ubf 2nd vk2tth

News letters from: Brag St. George

Correspondence Out : Letters to Ron Sanders vk2wb, John Morris re guest speaker at coming meetings. Letter to connectivity Australia re adverts in the Propagator. Moved vk2ubf 2nd vk2wrj.

Minutes of meeting being has read in the Propagator November issues Moved vk2ubf 2nd vk2gce.

Matters arising from: nil

Treasures report. \$ attached Moved vk2cav 2nd vk2ubf.

Repeater report. Not given as Rob was not there.

General Business. Moving year to end June 30th. AGM to be in June. To be spoken about at committee level.

Confirm those attending the conference of clubs at wia. Both Les vk2kld and Rob vk2zrf are going.

Club will be ordering the 2000 call book from the wia. Please advise hope many members require them. At the meeting only 5 showed interest.

Vk2tth spoke about a letter received from Minister of Police about txing whilst mobile. If any member wants a copy contact Ted vk2tth. There were 2 applications for membership. Alex Vk2xtx and Brian vk2tjq.

Meeting close : The meeting closed at 20:10 and after a short break the auction started with Denis vk2dmr trying his hardest to get us to part with the money. After the auction there were many cakes and talk about ham radio.

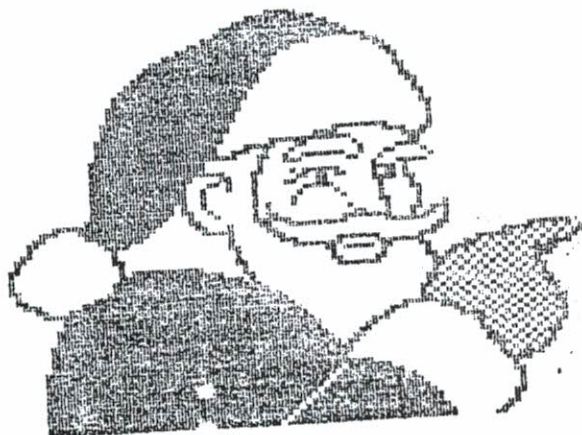


MEMBERSHIP LIST

as at November 1999 meeting.

Jim Beaver	vk2zwg
Bob Bell	vk2utg
Noel Black	vk2tnb
Robert Bonnella	vk2srb
Ian Bowmaker	vk2asn
Wayne Bradwell	vk2tbf
Peter Campbell	vk2axj
Tim Causer	vk2kfq
Michael Cheng	vk1zmc
Jim Chritsensen	vk2cav
John Lawer	vk2kej
Greg Leedham	vk2hcl
Luke Neeson	vk2zln
Henry Manning Knight	vk2emk
John Matthews	vk2zdm
Bob Maughan	vk2crm
Robert Mc Kie	vk2mrj
Ned McIntosh	vk2agv
Philip Miller	vk2fhn
John Morris	vk2bes
Rob Mc Knight	vk2mt
Roy Parton	vk2ko
Lyle Patison	vk2alu
John Peary	vk2hpj
John Pratley	vk2vwt
Mike Ramsey	vk2vqz
Peter Reid	vk2hpj
Alan Ross	vk2uar
Ronald Ryall	vk2zro
John Simon	vk2xgj
Cecil Tetley	vk2thd
Rob Skelcher	vk2tnk
Chris Stevens	vk2xbc
Barrie Unsworth	vk2bub
Robert Walker	vk2wrj
Vaughan Williamson	vk2kbi
Rodger Graham	vk2aiv
Peter Gresser	vk2pg
Peter Gulyas	SWL

Ron Hanks	vk2ur
Ted Hawkins	vk2tth
Jim Hayes	vk2ejh
Robert Heyer	vk2xic
John Hodgkinson	vk2bho
Pat Keenedy	vk2kcv
Nev Koosachi	SWL
Harry Williamson	vk2jhw
Richard Wilson	vk2zvx
Basil Dale	vk2aw
Keith Curle	vk2ob
Les David	vk2kld
Ken Dobell	vk2zoo
David Downie	vk2ezd
Graham Dowse	vk2cag
Paul Ferguson	vk2dzj
Simon Ferrie	vk2xqx
Bob Freebain	vk2zrf
Brian Farrar	vk2ubf
Henning Prehn	vk2cap
Peter Corkeron	vk2agb
John Lodding	vk2zlj
Miles Gard	SWL
Phil Howchin	vk2tph
ken Goodhew	vk2tke
Alex Berkuta new member	vk2xtx
Brian Withers new member	vk2tjq



MEMBERS PROFILE

Member LYLE PATISON VK2ALU Part one

Firstly, let's get this straight - I am doing this because BRIAN asked me to. But, how do you compress 75 years of life and 53 years plus of amateur radio experience into even a few pages, let alone an item of Propagator size!!!

So here goes -

Lyle was born in Sydney and started his working life in the power generation industry in 1940, as a junior electrical operator in the Department of Railways metropolitan Power Stations of Ultimo and White Bay.

In the late 1930's he became interested in radio as a hobby and prior to World War 11 built short wave receivers - to "listen to the world" Inevitably, he found the amateur bands and that, after much self study, culminated in him passing the AOCPE exam in 1942 (yes, they were still being held - and included Morse code at 12WPM, as it was "Full Calls" only in those days!)

In 1943 he joined the RAAF and was first "bitten by the microwave bug" while using aircraft airborne navigational radar equipment over Europe.

After the war, shift work and part time attendance for the Electrical Engineering Diploma course reduced time for amateur radio activities for several years, but an Experimental Licence under the callsign VK2ALU was received in 1946 "to erect an Experimental Wireless Station and to operate the said station for a period of twelve calendar months" - "Amateur" Station Licences came later!

In this year equipment was built and operated on 168MHz, then, in 1947, on 7MHz and 14MHz, followed by 50MHz and 290MHz in 1948, and on 580MHz in 1949 (On 50MHz he had "Worked All States" - as it was then and New Zealand, in the 12 months to January 1949!)

Over 100 contacts were made on the above VHF and UHF bands with the relatively small number of amateurs in the Sydney and Blue Mountains area who experimented with fairly simple homemade AM and CW equipment on the higher frequencies prior to 1950 - while many enjoyable contacts were also made on the HF bands (again on AM or CW, as SSB had not been heard of and even FM was not "intentionally" used!).

One of Lyle's more novel projects at that time was the construction of a 168MHz two way amplitude modulated oscillator transmitter/superregenerative receiver "Handy Talky", with which several "pedestrian mobile" contacts were made while walking around the streets of Gladesville with other members of his radio club (the Gladesville Amateur Radio Club). This unit is still available - as an example of 1949 amateur VHF type equipment!

Lyle's first venture into "amateur microwaves" was on the 10,000MHz band, with a home-made amplitude modulated klystron oscillator type transmitter and crystal detector receiver - the components for which were salvaged from War Surplus items when they became available for purchase from Price's Radio, in Angel Place Sydney (anybody remember them?). This was strictly "backyard stuff" so no contacts were made with it - as, from memory, the only other amateur in Sydney who had any 10,000MHz gear at that time lived on the south side of the city in Allawah, and Lyle lived on the north side in Lane Cove.

After graduating as an Engineer in 1948 and later becoming married to Dot - work took them to live at the Power Station at Cowra in 1952, where Lyle was able to make contacts on the new 144MHz band with amateurs in various mid-western country towns - and also back to Sydney on one or two occasions "when conditions were right".

They left Cowra some four years later with a baby daughter, and after a short period in Wollongong, where Lyle worked at Port Kembla Power Station, they moved again in 1958 - this time to Tamworth, for work at Tamworth Power Station. HF, 50MHz and 144MHz were the bands used by Lyle there.

In 1962, with another baby daughter, they made their final move - back to Wollongong again for Lyle to work at Tallawarra Power Station, from where he retired from work, as Deputy Manager, in 1984.

In the 1960's his amateur operation continued on the various HF bands (over 100 countries worked) and on 6 and 2 meters.

A new field of amateur interest opened for Lyle in late 1969, when he was approached by the Wollongong University College (now University of Wollongong) to set up equipment for, and operate, their (ex CSIRO Radiophysics Division West Dapto Solar Research Station) 30 ft dia polar mounted dish (which was still at the West Dapto site) as a radio telescope facility.

After discussion with members of the Illawarra Branch of the WIA (as the IARS was then called) an enthusiastic Group was formed from within the branch, with Lyle as Coordinator and with some advice and assistance from others willing to help.

It had in mind the added purpose of using this facility as an Amateur Radio Moonbounce project and to this end an operating frequency of 432mhz was chosen for which the equipment was to be constructed. Arrangements were then made for an Amateur High Power Permit, which allowed for operation of the transmitter at 1000 watts DC input on CW- (giving an rf output of some 600watts into the 30dB gain dish).

Construction reached the stage in 1971 where the first Earth-Moon- Earth contacts were achieved - and the Moonbounce Group subsequently carried out some pioneering work for Australia on 70cm EME, including many successful tests with overseas stations of the small band of amateurs operational at that early stage of EME activity, plus one or two most interesting experiments - using the (these days, Illawarra Amateur Radio Society) callsign of VK2AMW.

Unfortunately the Dapto site had to be abandoned in 1977 due to repeated vandalism of equipment by intruders.

After much discussion with University people by Lyle over the next few years, the EME Project was reactivated when they relocated the 30 ft dish and its mount to another site, this time on the escarpment west of the City of Wollongong. -where construction of facilities by them and of new equipment by the Moonbounce Group allowed it to become operational again, in 1983, this time on the higher frequency Amateur 23cm band, at 1296MHz - with a transmitter power output of 150 watts and circular polarisation.

Further successful EME tests and experiments were then carried out with overseas amateurs on 1296MHz- until, yet again, in 1986, repeated damaged was sustained from intruders - to the point where, finally, the Project had to be completely abandoned after major items of equipment were stolen and most of the other items were destroyed.

WHAT IS FATAL CURRENT!!!

Strange as it may seem, most fatal shocks happen to people who should know better. Here are some electro-medical facts that should make you think twice before taking that last chance.

Off hand it would seem that a shock of 10,00 volts would be more deadly than 100 volts. But this is not so! Individuals have been electrocuted by appliances using ordinary house current of 240 volts and by electrical apparatus in industry using as little as 42 volts direct current. The real measure of a shock's intensity lies in the amount of current (amperes) forced through the body, and not the voltage.

While any amount of current over 10 milliamps (0.01 amps) is capable of producing painful to severe shock, currents between about 100 and 200 mA (0.1 to 0.2 amps) while producing severe burns and unconsciousness, do not usually cause death if the victim is given immediate attention.

Resuscitation, consisting of artificial respiration, will revive the victim.

From a practical viewpoint, after a person is knocked out by electric shock it 's impossible to tell how much current passed through the vital organs of their body. Artificial respiration must be applied immediately if breathing has stopped.

Chart one (next page) shows the physiological effect of various current densities. Note that voltage is not a consideration. It's important only inasmuch as it's value, plus the body resistance between the points of contact, will be the two factors which determine how much current flows through the body. Because the resistance varies over an extremely

wide range, it's impossible to nominate voltage in terms of dangerous levels.

As shown in the chart, shock is relatively more severe as the current rises. At values as low as 20 milliamps, breathing becomes laboured, finally ceasing even at values below 75 milliamps. As current approaches 100 milliamps, ventricular fibrillation of the heart occurs, an uncoordinated twitching of the walls of the heart ventricles.

Above 200 milliamps, the muscular contractions are so severe that the heart is often forcibly clamped during the shock. This clamping protects the heart from going into ventricular fibrillation, and the victim's chances of survival are good.

The reason that the victims of high voltage shock usually respond to artificial respiration more readily than the victims of low-voltage shock may well be the merciful clamping of the heart, owing to the high current densities associated with high voltages. However, lest these details be misinterpreted, the only reasonable conclusion that can be drawn is that 75 volts are just as lethal as 750 volts!!

The actual resistance of the body varies depending upon the points of contact and the skin condition (moist or dry) . Between the ears, for example, the internal resistance (less the skin resistance) is only 100 ohms, while from the hand to the foot it 's closer to 500 ohms. The skin resistance may vary from 1,000 ohms for wet skin to over 500,000 ohms for dry skin.

When working around electrical equipment, move slowly. Make sure your feet are firmly placed for good balance. Don't lunge after falling tools. Kill all power and ground all high voltage points before touching wiring. Make sure that power cannot be accidentally restored. Don't work on underground equipment. Don't examine live equipment when mentally or physically fatigued. Keep one hand in your pocket while investigating live electrical equipment .

Above all don't touch live equipment while standing on metal floors or damp concrete or well grounded surfaces. Don't handle electrical equipment while wearing damp clothing or shoes or while skin is wet. Never work alone. Remember the more you know about electrical equipment the more heedless you become.

In the event of accident. Cut voltage and remove the victim from contact as quickly as possible, but without endangering your own life. Use something to move victim loose. Don't waste time looking for the power switch. The resistance of the victim's contact decreases with time. The fatal 100 to 200 milliampere level maybe reached if action is delayed. If the victim has stopped breathing, start artificial respiration at ONCE. Don't stop resuscitation until medical authority pronounce the victim beyond help. It may take as long as eight hours to revive the patient. There maybe no pulse and a condition similar to rigor mortis may be present, however, these are just manifestations of shock and are not necessarily an indication the victim has succumbed.

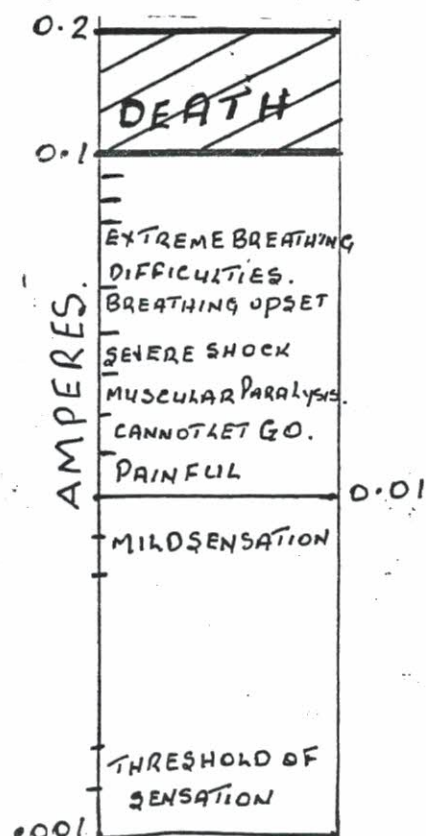
Thank you John VK2BHO for this item.

TEN COMMANDMENTS OF ELECTRICAL SAFETY.

- 1) Beware of the lightning that lurks in an undischarged capacitor lest it cause thee to be bounded upon thy backside in a most ungentlemanly manner.
- 2) Cause thou the switch that supplies large quantities of juice to be open and thus tagged, so that thy days maybe long on earth.
- 3) Prove to thyself that all circuits that radiate and upon which thou workest are grounded, lest they lift to a high-frequency potential and cause thee to radiate also.
- 4) Take care that thou use the proper method when thou takes the measure of high voltage, that it not incinerate both thee and thy meter, verily though thou hast no account number and canst

be easily replaced, the meter doth have such and shall bring great woe upon the supply department.

- 5) Tarry not amongst those who engage in intentional shocks, for they are surely non-believers and not long for this world.
- 6) Take care thou tamper not with interlocks and safety devices, for this shall incur the wrath of thy seniors, and unleash the fury of the safety officer down upon they head and shoulders.
- 7) Work not with energized equipment, for if thou dost, thy buddies will surely be buying beers without thee, and thy space at the bar will be filled by another.
- 8) Verily, verily I say unto thee: never service high-voltage equipment alone, for electrical cooking is a slothful process, and thou mightiest sizzle in thine own fat hours before thy maker seeth fit to end thy misery, and draw thee into HIS fold.
- 9) Trifle not with radio-active tubes and substances, lest thou commence to glow in the darkness like unto a lighting bug.
- 10) Commit thou to memory the words of the prophets., which are written in the INSTRUCTION BOOKS, they give thee the straight dope and steer thee away from error



IS THE BRAIN STILL WORKING?

If so see how you go with these questions!

- 1) If 3 cats can kill 3 rats in 3 minutes, how long will it take 100 cats to kill 100 rats?
- 2) A whiskey and soda costs 55 cents. The whiskey costs 50 cents more than the soda cost?
- 3) A little Eskimo and a big Eskimo are walking in the snow. The little Eskimo is the big is not the little Eskimo's son. The big Eskimo is not the little Eskimo's father. Who is it?
- 4) Which is correct: 8 and 8 are 15, or 8 and 8 is 15?
- 5) Is it legal for a man to marry his widow's sister?
- 6) A monkey is at the bottom of a 30 foot well. Each day he jumps up 3 feet and slips back 2 feet. At that rate when will the monkey reach the top?
- 7) There are 10 black and 10 white stockings in a drawer. If you reach into the drawers in the dark, what is the minimum number of stockings you must take out before you are sure of having a pair that match?
- 8) Take 2 apples from three apples and what have you got?
- 9) I have 2 minutes to catch a train, and 2 miles to go. If I go the first mile at the rate of 30 miles per hour, at what rate must I go the second mile in order to catch the train?
- 10) The number of eggs in a basket doubles every minute. The basket is half full in an hour. When was the basket half full?
- 11) A shepherd had 17 sheep. All but nine died. How many did he have left?
- 12) A rope ladder 10 feet long is hanging over the side of a ship. The rungs are a foot apart, and the bottom rung is resting on the surface of the ocean. The tide rises at the rate of six inches an hour. When will the first three rungs be covered with water?
- 13) Two fathers and two sons each shot a duck, and none of them shot the same duck. Only three ducks were shot. Why?
- 14) A customer hands a cigar salesman a \$5 bill for 2 dollars' worth of cigars. The latter has no change, but gets some from next door, who gives him five \$1 bills for the \$5 bill. Later the salesman rushes in, saying the \$5 bill was counterfeit. The first salesman gives him a good \$5 bill. How much did the cigar salesman lose in money and cigars?
- 15) What is the smallest number of ducks that could swim in this formation: 2 ducks in front of a duck, 2 ducks behind a duck and a duck between 2 ducks?
- 16) A boat will only carry 200 pounds. How many a man weighing 200 pounds and his 2 sons, each 100 pounds, use it to cross a river?
- 17) A set of ten books is arranged in an orderly fashion on a shelf. Each book has 100 pages, making 1,000 pages in all. A worm starting on the first page of the first book eats through the last page of the last book. How many pages has he eaten?
- 18) The archaeologist who said he found a silver coin marked 649 B.C. was either lying or kidding. Why?
- 19) Two trains, 100 miles apart, approach each other on the same track, the first train at the rate of 60 miles/hour, the other at a rate of 40 miles/hour. A bee is going at 25 mph. What distance does it cover by the time the trains meet, if it started at the same time as the trains?

Continued next page .

CALLING ALL NET SURFERS

Why not use the i.s.p that
the I.A.R.S users.

If you would like to send E mails E qsl
cards ETC down load the latest HAM
RADIO programs or just surf the NET
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20) A King, wishing to get rid of his
prime minister, put two pieces of paper
into a hat. He tells a judge present that if
the prime minister draws out the scrap
marked "stay", he may remain in the
kingdom. But if he draws out "go" he
MUST scam. The hitch is that each piece
of paper has the word "GO" on them.

But the craft prime minister shows the
judge a piece of paper and rules in his
favor. How did the prime minister outwit
the king?

21) In which book of the bible does it
tell about Abel's slaying of Cane?

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Answers.

- 1) Three minutes. It takes each cat three minutes to kill each rat.
- 2) Two and a half cents.
- 3) Mother.
- 4) Neither: 8 and 8 are still 16
- 5) Only dead men have widows.
- 6) On the 28th day. At the end of the 27th day he had ascended 27 feet. On the 28th day, he reaches the top.
- 7) Three. You might have a pair after taking out two, but the third one must match the black or white stocking already removed
- 8) Two apples of course.
- 9) too bad you missed it. You used up all your time going the first mile.
- 10) In 59 minutes. If the basket is full in 60 minutes, it was half full a minute earlier, or at the end of 59 minutes.
- 11) nine
- 12) never. The ladder and ship will rise with the tide.
- 13) There where a grandfather, father , and son. The father was both father and son.
- 14) Five dollars, two in merchandise and three in cash.
- 15) Three ducks in a row, one after the other.
- 16) The two sons go first. One brings back the boat and Pappy rows over. Then the other son returns for his brother.
- 17) He ate 802. Look at a row of books on a shelf. You can see why the worm didn't touch 99 pages of the first book and 99 pages of the last.
- 18) How did anyone know that Christ was coming in 649 years?
- 19) Twenty five miles. The trains met in one hour, giving the bee one hour to travel.
- 20) The prime minister destroyed the first scrap of paper, and since the

other said "GO". The scrap he disposed of must have said "stay" the judge decided.

21) none. Cain slew Abel.

How did you go. There's no prizes for getting them all correct. It was just to see if the OLD grey matter was still working!!!!!!!!!!!!!!!!!!!!

For

Courtesy to

Amateurs and

Value

In

Our yard

Not usually

Seen elsewhere

WE

RECOMMEND!!!

Cabions

11 Molloy Street Bulli

Phone 4284 6838

Wanted all members with an tcp/ip number. 44.136.24.??? As the PIG will be flying soon ,we hope, we will be updating the tcp/ip numbers. If you have or had a number kindly contact me and i will list them and advise the coordinator. If you have not got paket or don't intend to use it , it's not much use of having a tcp/ip number.

Don't forget the bus trip to Gosford field day. Which will be held 27th February 2000. No money, no bum on a seat. Kindly advise if you intend to go at this meeting.

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CONFERENCE OF AFFILIATED CLUBS

AMATEUR RADIO HOUSE- PARRAMATTA

The Illawarra Amateur Radio Society (inc.) sent two delegates to this conference. They were myself vk2ubf and Bob vk2zrf. There were about 25 delegates from many clubs from all over the state there.

The conference opened shortly after 9am and when the minutes were read they were found not to be a true copy. Last meeting a vote was taken of all present about CW and should it be retained. As I remember it the vote was 18 to nil for it to go. The delegate from the Royal Naval Ass "said it would be the death of ham radio when this happens". The motion was passed so the minutes will be changed.

A motion was put to the table what was the W.I.A taking to the aru Darwin conference in the year 2000. The W.I.A will ask members should we ask for a 5 WPM full call licence. I'm not sure when this will be taking place but I believe the conference will be held near the start of the year so let's hope they get their fingers out. Barry vk2aab asked about the letter sent to the NZART re how they formed branches over there. The NZART have not sent a reply.

I spoke to the secretary of the Dural committee before the meeting started and ask who sent the letter requesting the linking from us to vk2rwi. This letter was NOT signed. He did not know. I asked this question when the conference started and was told it came from Geoff vk2eo. He said that about 6 months ago he sent us a letter asking if we wanted to link our repeater into vk2rwi and onto the

hunter branch. This was the licence application!! He seemed a little bit put out that I asked a question from him. At a break I spoke to him more about this link. I was told we SHOULD get our act together and do some tests. The distance from vk2rwi to vk2ruw is 107 Km's. This is possible with HIGH gain beams. My question was who's paying for them. That a club problem!

The delegate from hunter branch said it was IMPOSSIBLE for them to hear the broadcast on vhf so there was no hope on uhf to put a link in. More about this link later.

The W.I.A federal has asked clubs to help with items for their magazine AR. So if anybody out there can help them out, PLEASE do so. Maybe they can be EDITOR next year!!!!!!!!!!!!!!

I spoke about INBAND linking. At the moment it's NOT possible as I was told the receiver would be in the band where the transmitter was. I asked how do TV stations do their translators. "It's in a different part of the band." Later Glen vk1xx spoke to me and said inband (off air) linking was granted by the ACA but got changed when they change their name. He's going to bring it up at the next aca/wia meeting.

After a lunch break a gentleman spoke about where ham radio is going and we should be getting YOUNG people into the hobby. This gentleman who I forget to get his name spoke about PSK31. So if anybody out there runs this we want YOU to give us a demo.

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If you want to down load the program go to

<http://aintel.bi.ehu.es/psk31.html>

When the federal President spoke he spoke about the dx window and how the wia/aca worked very closely together. He also spoke about the vk4 problem. Hopefully at our meeting he will be able to speak more about these and answer many questions from members.

On to agenda items. This is not how the conference went I'm just writing from my notes.

From Liverpool. Clubs liaise with Affiliated Clubs officer when planing major events. So that more than one event is NOT held on the same day. The W.I.A have started an events calendar. I will inform the office when we are planing anything, like the get together in January.

Illawarra club. To allow a repeater in the 145 meg band. This is so that when visiting hams come this way they don't have to modify their radios. This got some good response. We have to send in a submission to the wia/aca committee.

Hunter branch. Find out what insurance clubs have for volunteer and public risk. The lady from select broker insurance spoke at length about getting volunteer workers cover. I think this is a good thing. But can the club afford to pay out \$300 per year for insurance. I will let the members tell us. Stan vk2el asked a question about the policy and it's legalities. Well the "S-IT" hit the fan. Stan said they have a retired lawyer with them. He's said he would not like to take the BROADFORM policy into a court as it would be thrown out.

We where told to read the exclusions clause. I will when i get time.

Before the dinner break the ACA rep gave a talk about the problem with the Olympics. No Ham radios will be allowed in any events so leave them at home. The work load they have now is unbelievable. They MUST approve all things from fridges to electrical cables. He spoke about HD TV. I asked him about interference at 146850 and told him as it's a 3 order harmonic it could not be fixed. He's giving you a phone call Rob. At the dinner break i spoke to the Dural officer about linking to vk2ruw. I asked about the Sunday broadcast. That's a club problem!! My answer NO it's a W.I.A problem. As we send the broadcast down the line to vk1 and Sunday nights we get vk1 news. There answer"" OH."" We have agreed to have a meeting to cross all the T's and dot all the I's

After a nice dinner we spoke about the next meeting. It was suggested that other clubs hold these meetings. One place spoke about was Bathurst in JULY!! My comments the last time i was in Bathurst in july. I had my teeth wrapped in hankies and they where still chattering when i put then in my pocket. There was much discussion about affiliated fees. At this time there is NO amount but \$25 \$30 per year was spoke about. I said it would be the end of the affiliated clubs if this come in. More when this come to hand. This fees is to offset costs to the W.I.A. A club problem!!!!

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THE ILLAWARRA AMATEUR RADIO SOCIETY INC

PO BOX 1838 WOLLONGONG N.S.W. 2500 VK2AMW

REPEATERS

CALL	FREQUENCY	MODE	LOCATION	LINKED TO
VK2RBT	146.675	VOICE	MT BOYNE	
VK2RMP	146.850	VOICE	MADDENS PLAINS	
VK2RMP	438.725	VOICE	MADDENS PLAINS	
VK2RIS	146.975	VOICE	SADDLEBACK MT	
VK2RUW	29.620	VOICE	KNIGHTS HILL	(OFF AIR)
VK2RUW	438.225	VOICE	KNIGHTS HILL	VK2RGN,VK1RGI

PAKET RADIO

VK2AMW-1	144.725	GATEWAY	WOLLONGONG	(soon)
VK2AMW-3	144.825	PAKET	KNIGHTS HILL	VK2AMW-4
VK2AMW-4	144.925	PAKET	KNIGHTS HILL	VK2AMW-3
VK2AMW-5	147.575	PAKET	MT BOYNE	
VK2AMW-6	144.700	PAKET	MADDENS PLAINS	
VK2AMW-7	147.575	PAKET	MT MURRAY	

SATGATE

VK2XGJ	144.700	BBS	DAPTO
VK2XGJ	147.575	BBS	DAPTO
VK2XGJ	440.050	BBS	(ROSE)
VK2XGJ	53.100	BBS	DAPTO

CLUB MEETINGS HELD 2ND TUESDAY OF EVERY MONTH EXCEPT JANUARY @ 7:30PM IN THE S.E.S. HQ MONTAGUE ST NORTH W'GONG.
 COMMITTEE MEETINGS HELD 3RD WEDNESDAY OF EVEN MONTHS.
MEMBERSHIP \$20 PA OR \$15 CONCESSIONS EXPIRING AFTER AGM.

COMMITTEE.

PRESIDENT: Rob Skelcher VK2TNK 4226.2909
VICE PRESIDENT: Ted Hawkins VK2TTH 4257.2136
SECRETARY: Brian Farrar VK2UBF 4267.2296
TREASURER: Jim Christensen VK2CAV 4256.4761
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 Chris Stevens VK2XBC , Brian Farrar VK2UBF , Simon Ferrie VK2XQX
PUBLICITY: Phil Howchin VK2TPH
BROADCAST: Brian Farrar VK2UBF 146.850 , Rob Mc Knight VK2MT ,
 Phil Howchin VK2TPH , Chris Stevens VK2XBC 438.225
EDITOR: Brian Farrar vk2ubf
PRINTER: Ted Hawkins VK2TTH
CANTEEN: Simon Ferrie VK2XQX
LIFE MEMBERS: Basil Dale VK2AW , Keith Curle VK2OB , Graeme Dowse VK2CAG ,
 Lyle Patison VK2ALU , Rob Mc Knight VK2MT.

Disclaimer: All comments are those of the EDITOR and not of any committee or club member. All projects are presented as given and if any damage is done to your equipment the club is NOT responsible!

HANDLE WITH ENTHUSIASM

COAST
M.C.
P 6 08 P
3 DEC
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NS.W.-AUST.
2501

PLEASE
CHRISTMAS
THIS WEEK



LYLE PATISON VK2ALU
98 HEASLIP STREET
MANGERTON 2500



THE PROPAGATOR

VK2AMW SINCE 1948

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