

WOLLONGONG ALUMINIUM CENTRE

Available ex stock, we have a large range of

Aluminium

- * Rectangular Hollows
- * Round Hollows
- * Square Hollows
- * Flat Bars
- * Channels

All at competitive wholesale prices

Ideal for building your own antennas

Situated close to the railway crossing

79 Gipps St Wollongong

(042) 29-9382 (042) 28-5932

JEALOUS

Last year, we had another trip to Sydney to 'liberate' more old equipment for the Club. We went to Waltham Dan shop in Oxford Street, as a follow up to all the other trips we have been making. You would have cried to see all the equipment there going to waste. There were 10,000's of valves, 100's of reels of mag tape, 100's of transformers, army radio's, projectors, speakers, headsets and an untold number of miscellaneous pieces of equipment. I don't

'cause I expect that most amateurs would have had a wander through the shop at one time or another. Anyway, a lot of this will be at the next club auction in March. The supply of this type of equipment is drying up, and once gone, won't be available. I suggest you recover your piece of history before it disappears.

HISTORY

Do you realise it was only in 1901 that Marconi first transmitted over the Atlantic Ocean. 89 years ago! Hell, that's only yesterday.

John Logie Baird displayed TV in 1926. Colour TV was in use by the 1950's. The first satellite was launched in 1957. Man landed on the moon in 1969. Think of the advancement in communication in that short time, then ponder what will happen in the future. It's mind boggling.

WIA

I have Decembers issue of AR and noticed the fees have gone up as from December. Guess who's membership was due (and paid for) in November!!!!

I hope you are all going to remain/join. I know it's a burden, and we don't always see things for our \$\$\$'s but it is vital to have one organisation that can negotiate for us and ensure we get a fair slice of the cake (or bands). Imagine what our club would be like with out someone at the top. The WIA is just like our committee and we deserve it's support.

XMAS PARTY

Well. The Xmas party has been and gone, and the kilo's stay!!!!

I must thank the ladies for the EXCELLENT spread they provided. Several people made pigs of themselves. (Luckily, I'm the editor and no one can write about what I ate)

One of the un-named XYL's (I can't tell you her name, but I'll give you some clues) was asked if she wanted a piece of Black Forest cake (she is very fond of it). She is the wife of a well known club member (he gave me his permission to write this) and is very trim and tiny. She said she only wanted a very small piece as she is on a diet (doesn't need to be). I gave her a largish (even for me) piece and she gave a giggle and scoffed it down. She refused a second piece, but I saw her eating a couple of pieces of sponge chocolate cake! Later, a slice of buttered tea cake went down. (this while I was watching her, which wasn't all the time) Oh! Amongst this, there were several glasses of Moselle. Finally, there was only half a slice of the Black Forest cake left so I asked her if she would like it as the owners (sorry, I don't know who you are but it was a beautiful cake) of the plate wanted to leave. Out of the goodness of her heart, she agreed to this 'Just To Help As She Didn't Really Want It.'

The above true story just goes to illustrate the quality of the food. I would like to suggest we hold these types of nights more frequently

about once a month!

COAST - WIDE COMMUNICATIONS

We stock

C.B. Radios, C.B. Aerials,
Coax, Cable, Marine
Radio, TV Aerials etc. etc.

Sales and Service

Lot B,
Lawrence Hargrave Dve.
THIRROUL
(Opposite the Shell Garage)

Wayne Newport

VK2KWN

SOLD

Hey! It pays to advertise in this quality publication. I have sold my HF rig. Tom VK2JTB mobile has sold the tower. Some of the other equipment that was advertised has also been sold.

I hope all our advertisers had a successfull Xmas and that 1990 brings them everything they wish. I also hope you are supporting our advertisers. If it wasn't for them, our fees would be higher.

***** Page 3 *****

For People Who Want Quality and Support a Realistic Price!

Thinking about PC's??

We sell quality IBM COMPATIBLES with Superior specifications to the original AND at much LOWER PRICES

XT, AT and 386 compatible Computers

All are TURBO machines and have 12 months warranty.

All we ask is that you PHONE US before buying
COMPUTERS, SOFTWARE or PERIPHERALS.

SOFTWARE

Available - Educational,
Real Estate, Milko, Doctor,
Hire, Register, Accounting,
Sales Monitoring and
Programming Languages for
IBM and compatibles.

HARDWARE

Available - All peripherals
for IBM and compatibles
including Printers, Monitors,
Hard Disks and Expansion
Cards.

OTHER

Consulting, Contract
Programming and Training
Available. We have been in
the industry since 1979.

For your Computer needs phone

Janson Computer Services

Ph (042) 61-5451

Mon - Fri : 7.30 pm - 9.30 pm
Sat - Sun: 9.30 am - 9.00 pm

ONE MORE CLUE

I might not have given you enough clues in the XMAS PARTY story to enable you to discover who the lady concerned was. The final clue

The lady concerned is married to \$8#h&8vdpoi)(7T.

Oops about that, it appears my computer has gone crazy. Now that this is printed, it's too late to alter so her name will have to wait until the next edition. Sorry about that.

XMAS PICNIC

This is the Xmas Picnic, as opposed to the Xmas Party. It was held just under Mt. Keira. The weather was perfect the company was the same, as was the food and drink. What more can a man ask for.

There are a million (almost) stories that could be told about the day, but I regret they will remain lost in the annals of history, unless you attend this month's meeting and see the video's that Vic Hee took. (He is open to bribery if anyone is interested

***** Page 4 *****

LIFE

It seems to me that these days we don't spend enough time communicating. Sure, we talk, but are we communicating?

I know I spend too much time in my own little world surrounded by computers and radios. I'm enjoying life, and I enjoy it even more when I'm with good friends and company, but I still seem to hibernate back into my own little world.

Are you the same? Why?

See Jack at

**NEWTEC
ELECTRONICS**

We stock

Alarms, antennas, kits,
tools, cable, data
books, Goldstar test
equipment, Electronic
components for the
professional, Amateur
and hobbyist.

102 Kembla St.
Wollongong
(opp. W'gong Bowling Club)

Ph. 27-1620

THIS MONTH

This month, we will have a great meeting.

First up, or maybe second, we have Dave VK2YKQ. Late last year, Dave had a trip overseas to India and Nepal and will entertain us with slides (only a few) and tales of his encounters with yaks and other strangers. Dave's last talk on his trip through Russia and China was most entertaining.

Next, or previous, depending on whether Dave is first or second, dynamic club member Vic Hee will be showing his (edited I hope) recording of the Xmas Picnic.

Now the boring part. Our President Peter VK2KHE (no, he's not the boring part (at least, I'm not game to say that)) will conduct a rather lengthy meeting to give us all an update on what has happened over the Xmas break, and what is happening over the next few months.

REPEATERS

It's now 23:50 on the 19th December and I'm just about to go to bed. I have just spoken to VK2TMO in Tamworth. He put out a CQ on our repeater. This has set me thinking. What other repeaters are around that we could 'hit' if the conditions were right? How often does this happen, or is it like 6M only happens when you are not listening!

I know I don't use the radio anywhere enough and maybe a bit of 'stimulation' might help. Over to you Mr Repeater Chairman

***** Page 5 *****

I DON'T BKLIKVE IT

What is well over 2m tall, weighs over 150 kg, is 2 axe handles wide across the shoulders and does everything except fold Propagators?

No!!! It's not our Treasurer.

More clues? Darth Vader is dead

Another one? It's always MOBILE

YES !!!!!!! It's SUPER ROBOT.

Tom VK2JTB mobile is creating a monster. (his wife married one a long time ago). This monster will do just about anything include move (Lyle VK2ALU said he hoped it moves about 5 kph slower than he can!!), talk, protect (bloody sure I won't agrue with it!!) and has more uses than it's owner!! (No! I won't make the obvious comment). Tom says it will be able to crush full steel beer cans (FULL?? What a waste!) and pick up an egg. Protect the wife and take the dog for a walk (or the other way around). It is both radio and computer controlled (intelligence IQ of 182 above the owner). At the moment, it doesn't have voice recognition but as soon as Tom has a spare \$30,000 he'll also install that! It has true 3 D vision and can track a moving object. Total cost will be \$35. (I had to say that in case his wife reads this!)

Tom has offered to give the club a talk about this MONSTRK. (Hey Tom, we have a 20 min slot this month after Dave and Vic, how about coming to the meeting for a change).

When IT is completed, Tom might even bring it along and give us a demonstration.

(continued next column)

I can just see Tom saying "Hey Monst! Wash the car." and IT picks the car up and stuffs it into the washing machine!!

The major delay at the moment is the motors to make it move. These are special and Tom has had all sorts of problems.(don't ask him, or you'll be held captive for three days while he tells you about it).

Tom expects it to be ready very soon but then, we all know how many slips there between the cup and the lip.

Tom, the next advert is placed here especially for you.

Calling All Amateurs

It's time to visit your local
Market at BULLI if you need :-

METERS

ANTENNA MATERIAL

RADIO PARTS

KIT BITS AND PIECES

ELECTRONIC THINGAMMYS

TRUE VALUE 4 MONEY

CAVIONS

11 Molloy St. Bulli

Ph (042) 84-6838

For all Mechanical Repairs
go to

423 Princes Hwy

Corinda

MAZCARE

(042) 84-4359



Spares and Repairs -
Servicing - Alarms -
Wheel Balancing - Air
Conditioning - Tow Bars -
Towing



WHY?

Would you believe that the ONLY
member of the committee who
doesn't have a club T-shirt is
the PRESIDENT!!!!

If you want one, see our
President; Peter VK2KHE.

10 m

This article is to remind
Rob VK2MT he promised me an
article about the 10m repeater.

DOTC

Once upon a time
well, maybe not that long ago,
but it seem a long time, you
were asked about the dual gate
MOSFET as a mixer. The answer
was 'D'. The MOSFET gives
reasonable conversion gain
while keeping the noise figure
low in a VHF mixer.

This month, Keith asks

A 300 microhenry inductance
is used as a choke at 14MHz.
At 21MHz the choke

- Does not have enough inductance.
- Has more reactance.
- Has less reactance.
- Needs more turns.
- I haven't a clue.

COMMITTEE MEETING

The meeting in December
was reasonably short although
there was a lot of discussion.

First a welcome to a new
member Ron VK2XKB.

In an endeavour to remove
the noise on VK2RAH, we will
replace the guy wires with
'DKKBEGLAS', a synthetic
replacement for guy wires.

Keith VK2OB said it looks
like the Tech will soon be
taking over the running of the
amateur exams. Don't expect
that to help though, they could
be more difficult!!

VK2RAH is now located at
Mt. Murray and Knights Hill and
is operational although it still
needs some fine tuning.
Ironically, we are suffering
TVI from WIN 4!!! This was
solved by Steve VK2XNH.

***** Page 7 *****

PROTOCOL

Here are some of the 'unwritten rules' when using a repeater. These are my own observations, and I would ask for your additions and comments as I am sure this list isn't complete.

1. Keep your overs long! How long? Long enough to time out the repeater. This enables your mate to make a cup of coffee while you are waffling on. It helps ensure we keep the band allocation as it is in perpetual use. It also stops others using YOUR repeater. It gives others an excuse to do nothing as they are listening to your words of wisdom whilst waiting to pass on a short message.

2. If there is a breaker, answer him IMMEDIATELY. It is most unlikely it is an emergency, but if it wasn't important he wouldn't have broken in. It only takes a minute to say "What the hell do you want?"; listen to his reasonable request then say "NO. POQ.", and carry on with your vitally important conversation.

3. Use the repeater whenever possible. This SSB stuff for local use is too noisy and it means remembering which memory button to push and it's a hassle to rotate the antennae. Besides, it keeps those who aren't in our area off the repeater, and who wants a bunch of outsiders using OUR equipment.

4. Never answer a CQ call. If you do, you will have to talk to someone who knows absolutely nothing and whose sole aim in life is to waste your valuable time.

5. Don't leave a break between overs. As soon as your mate has finished speaking, press your button, even if you have nothing to say. That will stop those pesky breakers from using YOUR repeater, and with a bit of luck, could also time it out.

6. Listen to the repeater tone. When it is low, it means the batteries are low. This is the ideal time to have l-o-n-g overs and conversations. With a bit of luck, you can drain them completely and stop other dickheads from using YOUR repeater.

7. When you are sitting down with nothing to do and want to see if you can reach the repeater, just do 1 KERCHUNK. This will then force the ident and others will listen and say 'Ah! I wonder who that is?'. You can then KERCHUNK at least another 10 times. This will also help stuff the relays in the system.

8. Wait till some twit leaves a reasonable break between his overs. You can then call in and put out a call for your mate. At least 5 calls are required, and don't let go the button in case the original user gets back on.

VK2TKK

This is to remind Ken VK2TKE that he promised me an article on the Hospital monitoring, security and closed circuit TV system.

Talking about Ken, he has a new antennae system so he can sit in the lounge room and use his hand held in comfort (when he talks on the input and not the output!!!)

VIMCOM

YOU KNOW THE PLACE
AND YOU KNOW THE NAME
AND YOU KNOW WHAT WE
DO SO WHY DO WE NEED
TO ADVERTISE TO TELL
YOU THAT BESIDES
ELECTRONIC
COMPONENTS AND BITS
AND PIECES, WE HAVE A
VERY LARGE RANGE OF
MICROCHIPS TO HELP
YOU BUILD THOSE
PROJECTS.

WE ADVERTISE TO ENABLE US TO
PROVIDE AN EVEN BETTER SERVICE
AND HELP YOUR CLUB.

Call in and see us at:-

131 Kenny St
Wollongong

(right down the southern end)

Ph. 284400

NICKNAMKS

Some of our members have
amusing names made out of their
call signs. I have heard some
and forgotten a lot more. Maybe
someone could expand the list.

Xtra Giant Jawbreaker.

Torn Panty Hose
(his version)

Tea Pot Holder
(the polite version)

Toilet Paper Holder.
(the real version)

Dirty Yellow Underwear.

TIMETABLE

Or maybe program is a
better title. This is list of
the 'planned' events for the
rest of the year.

FEBRUARY A talk and short
slide show by Dave VK2YKQ on
his recent travels around
India, Nepal, Tibet and
Malaysia.

Possibly a quick talk by
Tom VK2JTB MOBILE on

THE MONSTER.

MARCH Auction night.

APRIL Hopefully Roger
Harrison (editor of RTI) will
be down to give us a talk.

(The AUCTION will possible be
held in April as it clashes
with the St. George club.

MAY Technical night.
Video's and discussion. Maybe
a representative from the WIA.

JUNK Rag Chew. Discuss
the future of the club, next
year's committee, bitches. Also
a wine, cheese and bickies.

JULY AGM. If you're
not there, you've got the
position!

Short

You would think that after
a 2 month break I would have a
lot to say but I have run out.
I have our 'FRIEND' Mr Ford
Prefect back, and a file I
resurrected from a month or
three back. I'll have a bit
more news next month. My radio
and computing scene is growing
very nicely.

***** Page 9 *****

THROUGH A LOOKING GLASS DARKLY!

is there, it's me again! The
benign one, Ford Prefect,
with a few more Home Truths.

How do you feel about the
obey that you follow?
uncomfortable, content to follow
the Mob, sit back and let
someone do it or do you get in
and get your hands a little
dirty?

A few friends and I were
chatting some time back, (Yes!
in spite of what you think, I do
have a friend or two) and it
seems that a lot of prestige
comes with having the FULL CALL
and having sat for the Morse
test. How many of these FULL
CALLS actually use Morse Code??
I know one or three that swear
by Morse and don't even have a
microphone in their shacks!
When again I know of other FULL
CALLS who can't read or send
their calls in Morse code so
why all this hoochah about
having a FULL CALL!! How
about, if we are going to be
fair dinkum about all of this,
we have a re-test every five
years and if you pass it at
your original speed then you
retain your FULL CALL?????????
If you fail to meet your
original speed then you are
down-rated to, Gosh, should I
say it!!!! A LIMITED call or
if you must use the HF freq's
then to a NOVICE call!!!!!!
When was the last time that you
listened to Morse Code? Sounded
good didn't it? How about some
of these new fangled modes RTTY
AMTOR PACKET ATV or have you
tried to work the satellites or
further up into the SHF Tried
them? Probably not, just use
the rig to chat to a mate over
an Woolamakanka to see how the
footie is going over in VK8 or
some other Glorified CB type
activity. Where I come from,
Betelgeuse, just three
light years south of Canopus,

you have to use all of the
bands that you are licenced
for, not just parts of the ones
that everyone else is using.
Get out into the wide open
spaces of 6MX SSB, 2MX SSB,
70CM SSB and find that there is
life without a microphone.

So there we have it for
another of your Earth months.

73 & 55. Mr. Ford Prefect.

REPEATER REPORT FEBRUARY 1990

This being the first report of
the New Year I'd like to wish
all members the Best for the
New Year.

First the bad news, VK2RAW is
off the air due to the exciter
ceasing to operate somewhere
around 2100K on Saturday
27/01/90 and is now in the
tender care of VK2CAG. Seeing
that the VK2RAW repeater has
been in operation since 1972,
that is the date that Graeme
put on the outer case, that
repeater has done an excellent
job. Hopefully all will be
fixed by the time this goes
into print. VK2RAH, 10Mx
repeater is down as well having
a major rebuild of the RX due
to a need for greater
selectivity.

The new solar panel was
installed some few weeks ago at
VK2RAW and we found with the
four panels operating we had a
too high a voltage across the
repeater so VK2YKQ now has his
panel returned to him. Many
thanks for the loan Dave, I
think he suspected that he'd
lost it forever. Also the
packet digi now has its correct
antenna and is working well.
That just about wraps it up for
this month

73 de VK2XGJ.

***** Page 10 *****

A visit to VK2FPN QTH.
(or Tiger trains Man!)

This episode started some time ago after watching the cat that lives in the QTH of VK2FPN.

The cat looks like your common moggy with a few odd habits, first he is a tortoise-shell or yellow in colour and goes by the name Tiger.

This cat loves to train the humans that live within its area of control, for instance if hungry, he tells you by loud meows, (common moggy type you say) well if ignored for a time, the next thing is a leg full of claws. (Just to get your attention so to speak.) Then while sitting on the side bench, from where he can see what you are doing he waits for you to put his dish of food in front of him, he then sits, and sits, and sits, until someone picks up a piece of meat, or whatever and hand-feeds him piece by piece. He also likes his milk warmed up in the Microwave, some ice cream with chocolate flavouring doesn't go astray either! These little home comforts must make a cat's life hard to take. His human also buys bird seed, (he has no cage birds), it is for the wild birds that he feeds from his front verandah, just so Tiger doesn't have to go too far for that little bit of extra sporting activities that moggies get up to from time to time. Tiger also has his very own entrance cut into the wall

so that he can come and go anytime he feels like a stroll.

So the next time you are in the vicinity of Wonderful Dapto, drop into the VK2FPN QTH and watch one of the training sessions, they are held every day and the cat is very patient when training his human, doesn't use bad language or strike him and afterwards if the human needs more training then the whole process is repeated the next day.

On my trips over there I give Tiger a pat and he tolerates me, his results in training me so far have failed, then again I might be a bad pupil!

I trust this has been of interest and now you won't have to wonder why Peter VK2FPN sometimes has a few scratches on his hands and arms; Tiger has had to finally resort to disciplining his human to get the lessons into his mind. After all Peter is only a Human!!

Cheers, de VK2XGJ.

T-Shirt Print Shop

SCREEN PRINTING for:-
CLUBS - TEAMS - SCHOOLS - SPONSORS
ADVERTISING

PROFESSIONAL STANDARDS and EQUIPMENT
NUMBERS - LETTERS - TRANSFERS
■ Small Orders Catered For ■ Speedy Service

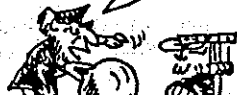
28 0696

OR

61 7148

Westfield
SHOPPINGTOWN
FIG TREE

THIS CRYSTAL
BALL IS
OBSOLETE



IT ONLY WORKS
IN BLACK AND WHITE



I NEED A
COLOUR
CRYSTAL!



NTS
OR
PA

Repeaters
 VK2RAW - 146.850 Voice VHF Mt. Murray
 VK2RAW - 147.575 Packet VHF Mt. Murray
 VK2RIL - 147.275 Voice & RTTY VHF Sublime Point
 VK2RUW - 438.225 Voice UHF Hill 60 Pt Kembla
 VK2RIL - 438.725 Voice & RTTY UHF Sublime Point
 VK2RAH - 29.520/.620 Voice HF

Broadcast is on Sunday evening at 6.45 pm. RTTY mode transmitted on 147.275 and relay on 3.562 Mhz +/- QRM. Callbacks taken immediately after. Voice broadcast held after WIA broadcast on 146.850 Mhz (VK2RAW) and 3.562 +/- QRM.

WIA Relay is on 146.850 at 10.45 am and 7.15 pm each Sunday.

Newsletter is published monthly to reach all financial members in the week preceding the club meetings. Articles and letters are welcomed.

Membership costs \$12 per annum. Concessions are \$9 per annum.

Lawrence Hargrave Award

VK stations require 10 contacts with I.A.R.S. members. Overseas stations require 5 contacts. One contact with the club is OK. VK2AMW is suitable. Details of contacts to be sent to secretary.

Store The club runs a store each meeting where the unusual and hard to obtain hardware may be purchased.

***** COMMITTEE *****

<u>President:</u>	VK2KHE - Peter Tomlin	30 Kotara Cr Unanderra.
<u>Vice Pres</u>	VK2FPN - Peter Read	43 Bright Pde. Dapto.
<u>Secretary</u>	VK2TPH - Phil Howchin	12 Mawarra Ave. Dapto
<u>Assistant Sec.</u>	VK2KCV - Pat Kennedy	
<u>Treasurer</u>	VK2XGJ - John Simon	14/42 Brownsville Av Brownsville
<u>Assistant Treas</u>	VK2YKQ - Dave Henderson	
<u>Gen. Committee</u>	VK2KEY - Pat Jordan	VK2KCV - Pat Kennedy
	VK2MT - Rob McKnight	any club member
<u>Repeater Pres</u>	VK2XGJ - John Simon	
<u>Repeater Comm</u>	VK2CAG - Graeme Dowse	VK2EXN - Ian Callcott
	VK2MT - Rob McKnight	VK2KHE - Peter Tomlin
	VK2JBS - Bill Stone	VK2XLA - Graham East
	VK2FPN - Peter Read	
	VK2EMV - Morry van der Vorstenbosch	
<u>QSL Cards out</u>	VK2IU - Raffael Buono	
<u>QSL Cards In</u>	VK2JJJ - B Rewak	
<u>Publicity</u>	VK2MT - Rob McKnight	
<u>B'cast Officer</u>	VK2KHE - Peter Tomlin	
<u>Cartoonist</u>	VK2AXI - Brian Wade	
<u>Propagator Ed</u>	VK2FPN - Peter Read	Phone (042) 61-7148
<u>Printers</u>	VK2DSH - Dale Hughes	VK2XCC - Ray Ball
<u>Social Director</u>	VK2XCC - Ray Ball	
<u>Canteen Manager</u>	VK2DYU - Bill Chadburn	
<u>Store Manager</u>		
<u>DOTC Liaison</u>	VK2OB - Keith Curle	
<u>Life Members</u>	VK2CAG - Graeme Dowse	VK2OB - Keith Curle
	VK2ALU - Lyle Patison	