



OXTALES

Newsletter of the Oxley Region Amateur Radio Club Inc.
PO Box 712 Port Macquarie 2444

March 2002

Compiled by VK2TT

PRESIDENT: Bruce Walker VK2HOT 6583.8360
VICE PRES: Bob Brodie VK2EJK 6582.0592
TREASURER: Roy Burges VK2YOR 6583.9349
SECRETARY: Alan Nutt VK2GD 6582.3557

President's Report

Hi All,

Well what a sad result to the request for members to co-ordinate possible events that could have gained the club new members.

The usual comment is that "I could not do that", "I am too old", "I don't have the time". If you fall into any of these three quotes then my answer to you is "what a load of crap". Some members are co-ordinating events and are retired and others who work are also co-ordinating events so don't try and tell me any of the above reasons as my reply might embarrass you.

The events that we will be doing are as follows: Gray Mardi Gras, John Moyle, Lighthouse, and the Club Field Day.

At this stage the following are in doubt: Jota, Cadet Units and PCYC.

I think the Club will have a major problem at election time as all executive positions will become vacant. It's your Club so consider taking on a position.

Gosford Field Day has gone for another year and I hope that everybody who attended came home satisfied.

Talk to you on the nets or see you at the meetings. Roll on the AGM.

Cheers from VK2HOT Bruce Walker
(President)



Down the Coax

March

Friday Evening Get-together
Friday 15 Mar. 2002
7.00pm SES HQ Gordon St.

John Moyle Field Day
16/17th March

Grey Mardi Gras

April

Monthly Meeting
Saturday 6th Apr., 2002.
2.00pm SES HQ Gordon St.

Friday Evening Get-together
Friday 19th & 22nd Feb., 2002
7.00pm SES HQ Gordon St.

In This Issue :

Item.	Page No.
President's Report	1
Down The Coax	2
Another Yagi	2
Net Controllers Roster	3
The Ernie Sloman Story	3
E-mail Directory	6
Congratulations Wilbur	6
Our Club Field Day Weekend	6
The First Parent	7
Advice for the Day	7
For Sale	7
Change of Meeting Time	7
Membership Register	8

Another YAGI

(By Bill—VK2ZCV)

INTRODUCTION.

After having experimented over a period of several years with various types of antennae for 144 MHz (i.e. Phased arrays, collinear arrays, ZL type feeds & Yagi of 6 to 9 elements) it was decided to attempt the ULTIMATE for a normal domestic house lot.



As most interest here is centred on the low end of the band using SSB long haul i.e. Sydney & beyond to the south, Brisbane & beyond to the north on a daily basis, the design frequency was chosen to be 144.5 MHz. What was needed was an antenna with the maximum forward gain, good F/B ratio & side lobes down about 20dB. The main antenna in use at the time design & construction was started was a home brew 9 element Yagi of DL6WU basic design. Having had excellent results with these antennae, it was decided to continue along this approach for the new array. After a lot of reading /research & practical aspects, a 14 ELEMENT design was settled upon. This is roughly equivalent to 2 of the original 9 element designs in stack as far as forward gain is concerned but with a much better F/B ratio. (The stack had been tried.)

DESIGN.

A computer program by KY4Z & W6NBI & edited by K4VX based on information from an article 'Extremely Long Yagi Antennas' by Gunter Hoch, DL6WU; VHF Communications, 3/82, was used to calculate the actual dimensions. This program also computes the gain, which is 15.7 dBi. Several other programs confirmed the gain & pattern.

CONSTRUCTION.

The materials chosen & used in the design were: - Boom square section 25 mm. x 25 mm. x 1.2 mm; Elements 10 mm. x 1.2 mm. Tubing; Driven element Folded Dipole & stay hangers 20 mm. x 3 mm. Flat strapping; Stays 25 mm reclaimed TV antennae booms; Boom joiner's 25 mm. Id. "U" section; Pop rivets 4 mm. Element mounting hardware is an extrusion used on the side of caravans to attach annexes & is cut to 25 mm lengths. The above all aluminium. Stainless steel bolts, washers & Nylok nuts as required. Six 25 mm. x 25

mm. Plastic chair tips were used in the boom as strengtheners or stoppers.

The Boom is 752.6 plus 50 mm. long, this meant that it must have joints, as the material is not available in one piece. The method adopted was as follows; two sections of the 'U' material were cut 300 mm. long. A plastic chair tip was inserted into each open end of the boom & the assembly

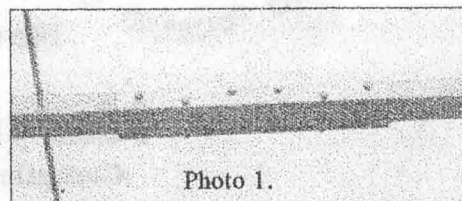


Photo 1.

clamped & drilled on each side of the joint (see photo 1). The far side of the boom & 'U' were tapped 3/16 wit. to suit the bolts. The near side was drilled a neat fit for the bolts so there was no play at all, in fact the bolts must be gently screwed in place.

All elements were cut to length & deburred, then inserted in the mounting extrusion after the centre section had been smeared with a little jointing compound. (Alminox).

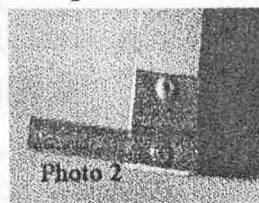


Photo 2

Each of these assemblies were drilled on a drill press to take the pop rivets. See photo 2.

The folded dipole was then cut & bent to the required shape. By using strap type material, it is much easier to make folded dipole assemblies; various other feed methods had been tried in the past with some success when set up correctly. A section of boom material was cut so as to allow the centre of the driven element to be in line with the centre of the other elements. See photo 3.

The element positions were carefully marked out on the boom. A wooden jig was used to align the elements at right angles to the boom & a hand electric drill used to drill the mounting holes for the rivets. The elements were then mounted after smearing the bottom of the mounting flange with jointing compound

A mounting bracket for the 'N' type connector was cut to size & mounted on the bottom of the boom. At this time the 1/2 wave coaxial balun was cut to length & mounted. RG59 was used as this has a higher break down rating than RG58.

Initial testing began by mounting the antenna on two wooden trestles in the clear in the back yard. This proved the design did work, in fact at one stage VK2ZAB & VK2KU, Sydney & Blue Mountains were both worked with the beam at fence height & 7 watts from the Icom 706 barefoot. Further testing confirmed the matching to be excellent.

The ends of the elements were sealed

with neutral cure roof & gutter sealant to prevent them whistling in the wind & causing the material to crystallise & fracture. The ends of the coax cable 4/1 balun were also sealed but with RTV 738 a non-corrosive compound. The complete aerial was coated with Tectal 151 a clear anti corrosion compound, the feed point connections were coated with Tectal 506 a brown non-setting moth balling compound.

To keep feed line losses & weight to a minimum LDF450 coax was used from the feed point to the boom to mast clamp. This clamp used some 3 mm scrap flat sheet, which was on hand & was folded into a 'U' section so as to straddle the boom & allow the use of two standard TV type 'U' bolts & clamps. By using this method of assembly the boom was not weakened. The hangers for the stays / braces were bent from flat stock & were drilled to take 6.3 mm bolts fitted with a sleeve of 10 mm tubing. The boom was not drilled at these points as the bolts & sleeves are on the top of it; this allows some adjustment if required, but pulls up tight & locks in position when assembled.

RESULTS

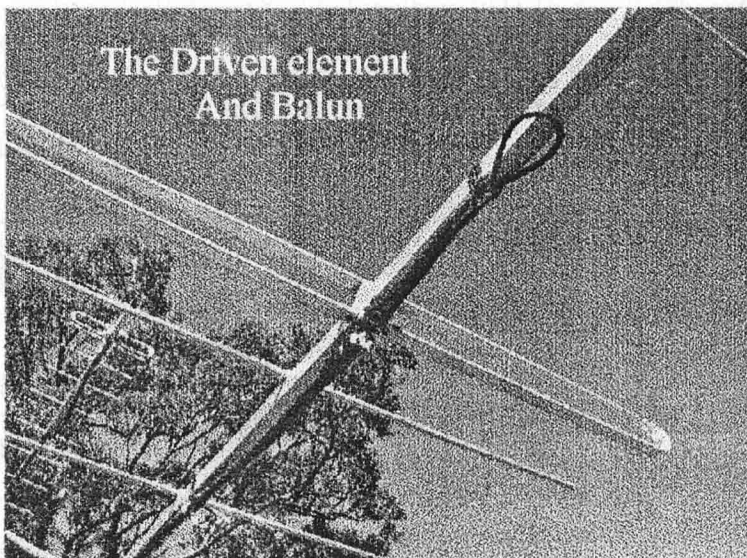
This new beam works as it should. The VSWR is below 1.1/1 at the normally used frequencies; with the improved F/B ratio & side lobe reduction, less noise is now picked up from unwanted directions resulting in a better S/N ratio on received weak signals.

NOTES

All materials are locally available. Any wouldbe constructor, feel free to contact me direct- on air, phone or email.

Recommended reading.

Amateur Radio, November 2001 page 7 & all reference articles mentioned in the appendix.



The Driven element
And Balun

Net Controllers Roster.

Sundays

Wednesdays*

March

VK2OA	Mar-03	VK2EI	Mar-06
VK2BZD	Mar-10	VK2ATM	Mar-13
VK2TT	Mar-17	VK2FSH	Mar-20
VK2AIF	Mar-24	VK2AYD	Mar-27
VK2EJK	Mar-31		

April

		VK2HBM	Apr-03
VK2HOT	Apr-07	VK2DAL	Apr-10
VK2JJ	Apr-14	VK2GD	Apr-17
VK2MAZ	Apr-21	VK2ATM	Apr-24
VK2DAL	Apr-28		

May

		VK2AYD	May-01
VK2OA	May-05	VK2HOT	May-8
VK2TT	May-12	VK2MAZ	May-15
VK2AIF	May-19	VK2GD	May-22
VK2FSH	May-26	VK2HBMM	May-29

June

VK2JJ	Jun-02	VK2EI	Jun-05
VK2BZD	Jun-09	VK2EJK	Jun-12
VK2OA	Jun-16	VK2ATM	Jun-19
VK2AIF	Jun-23	VK2AYD	Jun-26
VK2TT	Jun-30		

The Ernie Sloman Story

(Cont'd from last issue of OXTALES)

During the early days of WW2 I operated that gear in a Walrus Amphibian patrolling the approaches to the Orinoco delta based in Piarco Naval Air Station in Trinidad.

Briefly, during that period, we pick up a German supply ship flying the Norwegian flag and also a U-boat with a Romanian crew. So the A.S.V. Mk2 worked quite well, it was also a navigation aid.

This equipment worked on VHF and was bulky. It needed two 3-Element yagis. I won't say anything else about ASV MK2. It was replaced by USA equipment which worked on 4.5 centimetres.

I used to service these and in doing so got a lot of 4.5 cm radiation, especially when making adjustments. It hasn't done me any harm. I will be 89 in April, 2002.

"Now the communications people are worrying about radiation from our Ham Radio Antennae. I'm allowed my opinion. I've been in all kinds of radiation fields during my electronic experiences. They kept sending me on various trials such as sonobuoys over in Northern Ireland during WW2.

In the mid thirties, I was sent to the RAE at Farnborough to work with the boffins creating the 1053 Series. We called our first superhet "The Wurlitzer" because of all the coloured knobs. Flew there off the H.M.S. Glorious in a Fairy Swordfish fitted with a T.R.F. receiver and a TX that got its H.T. from a D.C. generator by the 12 volt system. I actually built the original. It was the first "super-het" type I ever had experience with. One thing I deign to mention. I was asked to wind some oscillator coils, so I very neatly started to do so when one of the designers said to me "Don't waste time, just wind the number of turns on the former and use a trimmer". To cut a long story short, we land back on the carrier with the new gear and did satisfactory trials and eventually we all had them fitted.

Now to tell you the sad story of the demise of "The Wurlitzer". When the war ended in Europe, I was sent to Katakaraunda in Ceylon, where we used metal airstrips until the Italian ex-prisoners of war (those experts on concreting) built runways and control tower and hangars etc. I was again put in charge of the radio and radio workshops.

A situation developed where our barracuda aircraft were grounded and the Yanks supplied us with Grumman Avengers (TBF's) fitted with TA12C radio equipment. (Any of you ex-RAAF operators will know what a good easy to operate set that was.)

When the TR1053's were constructed, no one thought about jungle conditions and "Kata" was close to the jungle swamplands - consequently the jungle dampness got at our gear, and the Barracudas too, and corrosion set in.

The Yanks had learnt about that a long time ago, their equipment was designed to be "damp proof". Even the spare equipment came in damp-proof sealed containers. What a good unit the TA12c was,

made by "Bendix". The P.A. valves were a pair of 807's which we hams used so often in homebrews. I made a TX with a 6V6GT driver, an 807, and did quite well with it on 21MHz.

In 1950 and I've been drafted to the Royal Naval Air Station "Hal-Far" in the island of Malta and once again I'm running the Air Radio Section. I also got my ham licence and became ZB1AI.

I went to a second hand dealer who stocked ex-service gear and got a B28 RX for ten pounds. It wasn't working but I soon fixed that. Next I went to a nearby airstrip where the Yanks were destroying twin engined planes and disposing of equipment (War Surplus). To my delight, the electronics Tech. Sergeant was a Ham and he fixed me up with a TA12C and spares. Also when I told him we used TR5043's in our "Seafires" he gave me a supply of them for spares in our workshops. They used different crystals, but he gave me some 144MHz ones which were handy.

I rebuilt the TA12C on a metal chassis and because its maximum frequency was 12 MHz, I modified the coils to increase the frequency to 14 MHz.

I modified the P.A. output to couple with a few turns into a 71 ohm coax load to a trio of dipoles formed a la equilateral triangle using the two unused dipoles as reflectors.

The only other ham active at the time was ZB1Q, so you can understand how many pile ups we had to cope with.

I added the modulator and was able to use a moving coil earphone connecting it in reverse via a transformer to a 6F6 valve driver and plate modulating with 807's. I had many a chat with guys in the UK - all of course on AM.

Let's move on to Australia. At the age of 43 years I left the Navy. The Naval Association in the city of Leeds sent me for an interview with the Yorkshire Electric Board where I got a job as a TV Technician servicing B&W TV's that their customers bought on time payment including service. Thus it was a non-profit making set up. After proving my worth I approached the manager and asked about promotion and was told "We take 10% of our staff from ex-Servicemen and you can't expect to get advantage over our indentured apprentices. You can work here as long as you like. Take it or leave it!"

So I left it and applied to Australia House in

London to take advantage of the ten pound Migrant scheme that granted me permanent citizenship. Together with my wife and 15-year-old son, we boarded the *SS OTRANTO* at Tilbury Docks and arrived in Melbourne during the Xmas holiday in December 1957.

I got a job with Philips servicing B&W TV's and stayed with them for two years.!

I left Philips, got a loan from the C.B.A. and started "Sloman's TV Service and Sales". I did a deal with E.M.I. and sold lots of their TV's. In seven years I owned my own brick veneer house and I never looked back.

In 1982 I closed the business and came here to Tenterfield. After selling my house in Chadstone, I also sold the Holden Belmont station wagon to the company I bought it from.

My NSW Call Sign was VK2EES. I had to get that changed and if you saw the variations on the EE's "tail" they would sure drive you dotty. So I was granted a new call sign, VK2BUE, and it wasn't long before it became "Big Uncle Ernie".

I am fond of my ham hobby and I only use CW because I love to "Operate".

My system of using QSL cards is probably unique and being a self funded retiree, I can afford it. I buy those postcards that copy the latest stamp issues which can be posted to any part of the globe for \$1 each. I stamp the back of them with the QSO details. Most recipients send me nice postcards and/or photos in return and most of them direct. I have three albums full of postcards and photos from all over the place. I do get a few via the bureau with "No I.R.C." written on them. You might say it's expensive but if I can afford 2 FT101E's, a 757LX with Auto-Tuner, a FT920/6M, a FT1000MP, the cost of my \$1 QSL cards is "peanuts".

If any of you want some Morse practice, VK2OA and myself have a sked at 1130 (NSW time) on 7.017MHz.

I expect most of you have read my article in the WIA Journal about using a "Steedman's Gum Tree" for my antenna. I'm often on 14.017 MHz or 14.052MHz (R.N.A.R.S) using the tree late in the af-

ternoon and as I don't worry so much about "DX" these days, I'll be only too pleased to have a chat with a VK Ham.

I regret I don't use SSB any more. The reason is that I use very sensitive hearing aids that oscillate when I put on earphones. I listen to CW OK with loudspeakers.

I use a system in my shack that protects my gear. I use the FT1000-MO on 21MHz and 28MHz. I use the FT920/LM on 14MHz and 50MHz, and the FT101E on 7MHz and 3.5MHz. Each unit has two coax switches, a resonant antenna is connect to one side of each switch so the antenna can be disconnected when gear is not in use.

Also each transceiver has a low pass filter. My neighbours haven't got any interference worries. In addition I also have a Kenwood TS120-S permanently tuned to 15MHz for WWV/H UTC signals.

On my front verandah, I have the FG757-GX Used on 7.017 MHz for VK2OA sked and on 14MHz for use with the "tree antenna". Also the other FT101-E which is tuned to WWV/H on 15 MHz for UTC checks using a 3/4 wavelength single wire antenna.

Well folks, that's my story. I hope you find something interesting in it.

73's Saha* & all the best.

Ernie (VK2BUE)

* Saha is "Cheerio" in Maltese.
The Author, VK2BUE



E-mail directory.

It is exactly 1 year since this directory last appeared in OXTALES. This listing reflects the changes notified to date.

VK2EI (Neil) hnsandford@telstra.easymail.com.au
VK2FT (Jason) jasonm@tsn.cc
VK2GD (Alan) anut@ozemail.com.au
VK2JB (John) jebaylis@midcoast.com.au
VK2JJ (John) jjones@felglow.com.au
VK2OA (Allan) poss2oa@telstra.easymail.com.au
VK2TT (Trevor) gramps@felglow.com.au
VK2VY (John) vk2vy@bigpond.com
VK2ATM (Arthur) arfamo@midcoast.com.au
VK2AYD (David) davpil@midcoast.com.au
VK2CLL (Larry) lindsay@midcoast.com.au
VK2DAL (David) davsmith@felglow.com.au
VK2DDL (Stan) svellis@midcoast.com.au
VK2EJK (Bob) bobro@bigpond.com.au
VK2HBM (Craig) vk2hbm@globalfreeway.com.au
VK2HOT (Bruce) brucew@tsn.cc
VK2YOR (Roy) rburgess@intercoast.com.au
VK2ZCV (Bill) lts1@nor.com.au
VK2ZCW (Bob) cabrooke@bigpond.com
VK2ZHE (Henry) henry.lundell@airservices.gov.au

Congratulations Wilbur

At the January meeting, Will (VK2XXU), formally be came the 2002 holder of the "Stirrers Helmet". With all the pomp and circumstance deserving of its importance, the helmet was conferred on Will by the 2001 holder, David (VK2AYD). Wear it with pride, Will, and be ever vigilant in your search for the 2003 recipient.



Our Club Field Day

There is not a great deal of time left before the scheduled date for our June Field Day Week-end. There is quite a number of tasks to be allotted and performed be-

fore that big week-end and there will be a lot to be done on the actual day.

NOW is the time for decisions to be made as to who will be undertaking the tasks, and for focussing in on how they are going to be undertaken, by whom and by when. The tasks range from overall co-ordination of the pre-weekend preparations, which include the acquisition of prizes, programme preparation, publicity, acquisition of catering supplies, event scheduling, raffle organisation, venue preparation, and the hosts of tasks that are to be undertake on the day. This latter group of tasks involve supervision of registrations on both days, disposal table arrangements, catering coverage for the Saturday evening sausage sizzle, and the Sunday barbecue, operation of the VK2BOR station, supervision of the Fox Hunts, liaison with any trade groups that may participate on the day. It would be abundantly clear to even the most casual member that if any one of the abovementioned areas went "pear-shaped", then the event could fall into discredit, and the club's image would surely suffer greatly.

The old hackneyed phrase "You only get out of a club what you put into it" still holds valid in this modern day and age. Unless our club gets a satisfactory level of support, from a sufficient number of individual members, to form up into the team that is required to bring this event to a satisfactory end result, then our image, and financial survival into the next year will be in jeopardy.

So far, the lead-up to this year's event, has not produced a noticeable groundswell of enthusiasm, nor members clamouring for opportunities to be in the team. Nor has there been much in the way of visible signs of "help just waiting in the wings". Perhaps this is all about to change... Hopefully.

By the end of this month of March, it is absolutely necessary that the team formation be completed and the individual tasks and functions set firmly "in concrete." If we don't achieve this status, then the success of our Field Day Weekend cannot be assured.

Membership of the team means firm commitment to the tasks allocated, and clear recognition of the time-frame required for completion. Approaches like "Only pencil me in" (meaning really, "There might be

something turn up that I like doing better"), or "She'll be right on the day, Mate", are certainly not to be encouraged.

SUPPORT YOUR CLUB AND THE CO-ORDINATORS OF THE 2002 FIELD DAY WEEKEND.

The First Parent

Whenever your children are out of control, you can take comfort from the thought that even God's omnipotence did not extend to His own children.

After creating heaven and earth, God created Adam and Eve (His children).

The first thing He said was, "Don't!"

"Don't what?" Adam replied.

"Don't eat the forbidden fruit," God said.

"Forbidden fruit? We have forbidden fruit? Hey, Eve... we have forbidden fruit!" "No way!" "Yes, way!"

"Do NOT eat the fruit!" said God.

"Why?"

"Because I am your Father and I said so!"

God replied, (wondering why He hadn't stopped creation after elephants).

A few minutes later, God saw His children having an apple break and was He ticked!

"Didn't I tell you not to eat the fruit?" our first parent, God, asked.

"Uh huh," Adam replied.

"Then why did you?" said the Father.

"I don't know," said Eve.

"She started it!" Adam said.

"Did not!" "Did too!" "DID NOT!"

Having had it with the two of them, God's punishment was that Adam and Eve should have children of their own. Thus, the pattern was set and it has never changed!

But there is assurance in this story. If you have persistently and lovingly tried to give children wisdom and they haven't taken it, don't be hard on yourself. If God had trouble raising children, what makes you think it would be a piece of cake for you?

-Anon.

Advice for the day:

If you have a lot of tension and you get a headache, do what it says on the aspirin bottle: "Take two Aspirin" and "Keep away from children."

You spend the first 2 years of their life teaching them to walk and talk. Then you spend the next 16 years telling them to sit down and shut-up.

Grandchildren are God's reward to you for not killing your children.

Mothers of teens know why some animals eat their young.

Children seldom misquote you. In fact, they usually repeat word for word what you shouldn't have said.

The main purpose of holding children's parties is to remind yourself that there are children more awful than your own.

We child proofed our home 3 years ago and they're still getting in!

Be nice to your kids. Someday, they'll choose your nursing home.

For Sale

1 PSU "Power-Tech" 10 A 13.8V

1 PSU "Ferguson" 2 A cont. 13.8V

Call David (VK2AIF) 02 6586.4980

Change of Meeting Times

ALL MEMBERS PLEASE NOTE

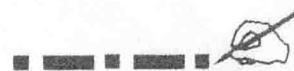
A DECISION WAS TAKEN AT THE
FEBRUARY MONTHLY MEETING, TO
CHANGE THE TIME OF
COMMENCEMENT OF OUR FUTURE
MONTHLY MEETINGS.

MEETINGS WILL NOW COMMENCE AT

2.00 PM LOCAL TIME

**ON THE FIRST SATURDAY OF
EACH MONTH, INSTEAD OF**

1.00PM



OXLEY REGION AMATEUR RADIO CLUB Inc. MEMBERSHIP REGISTER.

25th February, 2002

Cat.	FIRST NAME (Spouse)	SURNAME	CALL SIGN	TOWN/CITY	TPH. NO.	
1	F	JOHN (FLORENCE)	BAILEY	VK2KHB	PORT MACQUARIE	02 6582.2192
2	F	JOHN (MARY)	BAYLIS	VK2IB	LAKE CATHIE	02 6585.5703
3	L	BOB	BLYTH	VK2XIQ	PORT MACQUARIE	-
4	F	BOB (IOSIE)	BRODIE	VK2EJK	PORT MACQUARIE	02 6582.0592
5	F	ROY W (JUNE)	BURGES	VK2YOR	PORT MACQUARIE	02 6583.9349
6	F	BRUCE	CLARK	VK2MAZ	PORT MACQUARIE	02 6582.5279
7	F	KEVIN (JUNE)	COULTER	VK2MAM	PORT MACQUARIE	02 6583.8325
8	F	IAN	DALRYMPLE	VK2XU	PORT MACQUARIE	02 6584.9922
9	F	CHARLES (PAT)	EDMONDSON	VK2FSH	PORT MACQUARIE	02 6584.0495
10	D	STAN (BETTY)	ELLIS	VK2DDL	TUNCURRY	02 6554.7996
11	F	BADEN (VALERY)	GLEESON	VK2MOQ	PORT MACQUARIE	02 6582.2018
12	F	LEWIS (PAMELA)	GREEN	VK2AG	PORT MACQUARIE	02 6584.9162
13	F	RICHARD J	HALL	VK2BXO	PORT MACQUARIE	02 6582.6588
14	L	KEITH	HANLON	-	PORT MACQUARIE	-
15	F	DAVID (ISOBEL)	HARDING	VK2AIF	WAUCHOPE	02 6586.4980
16	L	PETER	HILL	VK2BZA	LAKE CATHIE	02 6585.5349
17	F	SNOW	HODDER	VK2DV	PORT MACQUARIE	02 6583.7095
18	F	WILL (CAROL)	JAMIESON	VK2XXU	DUNBOGAN	02 6559.8622
19	F	JOHN (THEA)	IONES	VK2IJ	LAKE CATHIE	02 6585.4522
20	L	LARRY	LINDSAY	VK2CLL	WAUCHOPE	02 6587.1155
21	L	HENRY	LUNDELL	VK2ZHE	PORT MACQUARIE	-
22	F	KEITH (GWEN)	LUTTON	VK2KDL	TELEGRAPH POINT	02 6585.0321
23	F	ALLAN (DAWN)	MADIGAN	VK2OA	WAUCHOPE	02 6585.2043
24	F	JASON	MARIS	VK2FT	TELEGRAPH POINT	02 6585.0426
25	F	CRAIG	MARTIN	VK2HBM	WAUCHOPE	02 6585.3452
26	A	ADAM	MARTIN	-	WAUCHOPE	02 6585.3452
27	F	JOHN (KARIN)	MCDONAGH	VK2VY	PORT MACQUARIE	02 6582.0020
28	F	TERRY	MEEHAN	VK2KL	PORT MACQUARIE	02 6584.2997
29	L	ARTHUR (WENDY)	MONCK	VK2ATM	PORT MACQUARIE	02 6583.1311
30	F	ALAN	NUTT	VK2GD	PORT MACQUARIE	02 6582.3557
31	F	GRAHAM (LINDA)	PALMER	VK2TRM	KENDAL	02 6559.4554
32	F	DAVID A (DEE)	PILLEY	VK2AYD	KING CREEK	02 6585.2647
33	A	GRAHAM (JENNIFER)	PILCHER	-	PORT MACQUARIE	02 6582.3463
34	F	NEIL (VERENA)	SANDFORD	VK2EI	PORT MACQUARIE	02 6582.5830
35	F	BILL	SINCLAIR	VK2ZCV	PORT MACQUARIE	02 6583.9302
36	D	ERNIE (CATHY)	SLOMAN	VK2BUE	TENTERFIELD	02 6736.1388
37	F	DAVID (ROMA)	SMITH	VK2DAL	WAUCHOPE	02 6585.1004
38	F	DAVID (AILEEN)	TARRANT	VK2TBC	SARATOGA	02 4369.8738
39	F	TREVOR (PHYLLIS)	THATCHER	VK2TT	WAUCHOPE	02 6585.2278
40	F	BRUCE (GWEN)	WALKER	VK2HOT	PORT MACQUARIE	02 6583.8360
41	F	JIM	WEBSTER	VK2BZD	PORT MACQUARIE	02 6582.4037

F = Full Member D = Distant Member L = Life Member A = Associate Member