



OXTALES

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

August 1999

Compiled by VK2TT

PRESIDENT: Chas. Edmondson VK2FSH 6584.0495
 VICE. PRES: Bruce Walker VK2HOT 6583.8360
 TREASURER: Roy Burges VK2YOR 6583.9349
 SECRETARY: Alan Nutt VK2GD 6582.3557

President's Report

Dear Members,

As incoming President, my first pleasant duty is to pay tribute to Bruce (VK2HOT) for his exemplary 3-year term of office as President. Well done Bruce - you are a hard act to follow. Thanks also to the outgoing committee.

In the coming year it is not possible at this time to formulate firm policies due to the absence of our new Secretary, Alan (VK2GD), who is in Sydney due to family medical problems.

The first innovation will be a trial opening of the club rooms on the 3rd Friday of each month, at 7.00pm, commencing Friday, 17th September. This opening will be for discussions, library and equipment access, projects, and a cup of coffee. These will not be general meetings, but matters to be raised may be discussed.

Congratulations to the other new committee members, and I am sure that with your help, together with that of the club members, we will have a good year.
 73 de Charles (VK2FSH)

Down the Coax

Saturday 4th September
 Monthly General Meeting
 1.00pm Gordon St., Club Rooms

Friday 17th September
 Informal get-together at Club Rooms
 7.00pm at Gordon St., Club Rooms

Saturday 2nd October
 Monthly General Meeting
 1.00pm at Gordon St., Club Rooms

Sunday 10th October
 Beechwood Billycart Derby
 8.30am at Beechwood Hotel

Friday 15th October
 Informal Get-together
 7.00pm at Gordon St., Club Rooms

Sat/Sun 16/17th October
 JOTA/JOTI
 Scout/Guide venues Port and Wauchope
 Check with VK2YOR for details

Report on 1999 A.G.M.
 The 1999 AGM was held on Sat. 7th August. There were 22 members present and 9 apologies were received.

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For those of you who were unable to attend, and consequently missed out on the BBQ Sausage Sizzle (superbly cooked by our well known Küche Oberbefehlshaber, VK2JJ), here is a list of the members who now comprise the new executive, committee, and "functionaries" group.

President

Charles Edmondson (VK2FSH)

Vice-President

Bruce Walker (VK2HOT)

Secretary

Alan Nutt (VK2GD)

Treasurer

Roy Burges (VK2YOR)

Public Officer

David Pilley (VK2AYD)

Repeater Chairman

David Smith (VK2DAL)

Equipment Officer

Will Jamieson (VK2XXU)

Education Officer

Larry Lindsay (VK2CLL)

Oxtales Editor

Trevor Thatcher (VK2TT)

Historian

John Bailey (VK2KHB)

Social Director

Charles Edmondson (VK2FSH)

2000 Field Day Team.

Co-ordinator

To be elected

Assistant co-ordinator

To be elected

Publicity Officer

Alan Nutt (VK2GD)

WIA Representative

David Pilley (VK2AYD)

Trustees

Arthur Monck (VK2ATM)

Bill Sinclair (VK2ZCV)

ers who will pilot the club through the coming year. The retiring President, Bruce Walker (VK2HOT), was given a round of applause from the floor in recognition of the role that he so ably undertook in heading up the club over the past three years. They were three good years in which the club progressed, and further developed its facilities under Bruce's Presidency. You can walk tall, Bruce!

The Treasurer reported that the Income for the year had been \$4,847.41 with Expenditure being \$5,169.56. Our cash balance at year's end stood at \$6892.55, of which \$4,232.00 was on Term Deposit.

The major issues that were resolved at the meeting were:

The ratification of the committee's recommendation for an increase in annual Full membership subscriptions to \$20 per annum & Distant Membership to remain at \$10 per annum.

The carrying of the motion moved by VK2HOT and seconded by VK2DAL, that the ORARC Inc., promulgate a set of by-laws which includes the following:

"The maximum term of office that can be served by the President, Secretary or Treasurer, is 3 consecutive years."

VK2DQ's Website

Recently - well, a month or so back - John (VK2JJ) visited the Website of John Bertrand (VK2DQ) in Oxenford, VK4-land. John (DQ) has undertaken a lot of work to produce a Web-Based VK Callbook that is pretty much up to the wheel as far as currency goes. (Not money! but "up-to-datedness" in this case.) John (JJ) complimented John (DQ) directly via e-mail, on the efficaciousness of the book, and recommended a visit to the ORARC's Website. In return, John (JJ) received the following response, which will be of interest to other members.

Subject: Re: Thank you John

Date: Thu, 10 Jun 1999 00:08:31 +1000

From:

Ron

<ron@internetexpress.com.au>

To: John Jones <jjones@felglow.com.au>

A warm welcome was extended to Charles, as our new president, and to the new office bear-

Hello John and thank you for taking the time to write and I am pleased to know you will get some use from the callbook

I am most impressed with your web site.

Thanks again John - I am running an amateur course via the web site and as you can see post all the material needed for study to it and welcome anyone to use it - I would just like to be asked - no charges. I have 28 Students and have found the Web a way to reach many ppl interested in AR who can't get to clubs and work load does not permit or finances etc.

I post a questionnaire on each reading (subject) to each student which they return all by email - about one a week

Unfortunately writing the readings and marking the assignments is time consuming so I have had to turn many starters down and ask them to wait - if you know of anyone wanting to assist do put them in touch with me I hate turning ppl away

Trying to think where you club is John - I am a retired RI (47 years old) and did most of my work in NSW - based at North Sydney

I will have a look at your clubs web site now, might ring a bell or two.

*Best Regards
Ron (VK2DQ - resident in VK4)*

*Ron Bertrand ron@internetexpress.com.au
Web Site http://w3.to/ronb
ICQ number 6731749
Location Oxenford - Queensland - Australia*

For Sale.

Icom IC02AT 2m hand-held
As new condition
Extras include:
RH-205 1/2 to 5/8 telescopic antenna
Spare heavy-duty battery (\$140 value)
Belt clip
Car charger
External microphone

\$350 THE LOT

Sam Griffith (Taree)
02 6552.3149

For Sale

Two 7-Element Aluminium 2-metre Yagi,
Gamma Matched to 100 Ohms
\$10.00 each

Four 7-Element Copper 2-metre Yagi,
Folded Dipole matched to 200 Ohms
\$10.00 each

One 48-Element 70cm Quagi, with
Balun
\$20.00

Contact: Arthur (VK2ATM) 02
6583.1311

Wanted. Radio Theory Handbook for Amateur Operators

by Fred Swainson

Anyone have a copy they wish to sell?
Contact: Allan Madigan (VK2MAI)
02 6585.2043

Wanted to borrow.

A copy of Electronics Australia for
September, 1991.
by Neil (VK2ED) 02 6582.5830

Directory of Members on e-mail.

(This is an updated list of members who are known to be e-mail users. This list will appear in OXTALES whenever there is a variation recorded.)

VK2EI (Neil)	hnsandford@telstra.easymail.com.au
VK2FT (Jason)	jasonm@tsn.cc
VK2GD (Alan)	anut@ozemail.com.au
VK2GJ (Graeme)	virtue@mullum.com.au
VK2JB (John)	jebaylis@midcoast.com.au
VK2JJ (John)	jjones@felglow.com.au
VK2JT (Trevor)	gramps@felglow.com.au
VK2VY (John)	vk2vy@bigpond.com
VK2ATM (Arthur)	afamo@midcoast.com.au
VK2AYD (David)	davpil@midcoast.com.au
VK2CHC (Richard)	farmsale@felglow.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
VK2HOT (Bruce)	brucew@tsn.cc
VK2IPO (Larry)	okie@ozemail.com.au
VK2KCE (John)	hastbrak@nor.com.au
VK2UPR (Paul)	dapto@midcoast.com.au
VK2YOR (Roy)	rburges@midcoast.com.au
VK2ZCV (Bill)	lts1@nor.com.au
VK2ZHE (Henry)	henry.lundell@airservices.gov.au

Long Service Certificate for "Snow" Hodder - VK2DV

"Snow" Hodder recently received from the WIA, New South Wales Division, a Certificate in recognition of his 64 years of membership of the Institute.

Unfortunately, "Snow" was unable to attend the presentation ceremony on 17th

April, 1999, but he has received the certificate by alternate means.

Congratulations "Snow"! Sixty-four years continuous membership is certainly a high score, and demonstrates commendable loyalty to the Institute.

Play it Safe!

As Radio Amateurs, we often overlook the power of electricity and R.F....

Fifty years ago I was building simple R.F. amplifiers around 10 to 20 watts and use to use a small neon tube to tune the tank coils. You only have to have one R.F. burn to start having a high respect for R.F.

I well remember G3AAE showing me his new 50 watt p.a.. We talked about the H.T. and he picked up his multi-meter to take a measurement. One finger happened to be touching the live terminal. He leaned his elbow on the chassis - the result - just a pin prick where the 750v went in, but a hole the size of a sewing thimble where it came out.

According to the Dept of Fair Trading, there were 161 electrical accidents in NSW last year (1998). 9 were fatal. One in particular caught my eye. A barefoot house-holder (age 31) moved a fridge to his carport. The wiring in the power outlet had been transposed which caused the cabinet of the fridge to be live. You can imagine the rest.

Because we have a Radio Amateur licence, it doesn't make us an electrician or an electronics expert. Be very careful with both your electrical equipment and the R.F. from your transmitter. Both are invisible, but they sure pack a punch.
- de David (VK2AYD)

And while on the important safety subject, the following snippet came in recently: -

During my time working at the steel works in the mechanical personnel group, some of the training related to the dangers and safe use of electricity.

At one of these training sessions, a mechanical fitter was heard to say "It does not worry me, as I believe if you cannot see it it cannot harm you!"

Don't you believe it. There are some funny things on those wires, plus Amateur Radio.

de John (VK2KHB)

Repeater Committee Report

The Chairman of the Repeater Committee is currently overseas, either climbing about on icebergs around Greenland, or exploring volcanoes in Iceland. The following report, delivered at the 1999 AGM by David's locum tenens, VK2TT. It will also serve as the monthly report.

The 1998-1999 year was a relatively active year associated with repeater, maintenance, restoration, and additional facilities.

Middle Brother Voice repeaters continued to function well, with no failures or down-time being encountered throughout the year.

The VK2RPM ROSE Switch was rebuilt and installed using the two resurrected Transceivers from the old failed switch. We are now using two back-to-back Tiny-2's running ROSE 3.7 firmware provided by AAPRA under generous arrangements. The backbone using 1200BPS is working well both north and southwards. Some initial difficulties were experienced southwards between Middle Brother and Cabbage Tree, but a refinement of our transmit deviation on the Backbone link has resulted in 100% satisfactory operation.

Many hours of work were expended on tuning cavities for the new Telegraph Point voice repeater. It was not possible to get all six cavities to meet the required performance parameters, despite a massive total of expended man-hours by a small working party. Eventually, a decision was made to make do with three cavities and two antennae arranged to work with vertical separation. A test period with this configuration was conducted at the QTH of VK2DAL, and after encouraging results, this repeater is now being installed at the Telegraph Point repeater site.

Several working bees have been held on the Telegraph Point site, aimed at restoring the "inherited" damaged antenna mast, and general cleaning up of scrub around the site.

The mast was lowered and repaired after storm damage, and some rust treatment and sealing to the mast and its refurbished guys is now 90% completed. The mast has been raised again to

the vertical, but is currently in the tele-scoped condition pending completion of the repair work. The voice repeater equipment has been located in the equipment shack, on site ready for connection to antennae and power during the next two or three weeks, after the remaining mast work is completed.

The Club's thanks is due to the following members and amateurs who gave substantial time and effort in their participation and contributions to the operations at both Middle Brother and Telegraph Point. VK2XIQ (Bob), VK2ATM (Arthur), VK2DAL (David), VK2ZCV (Bill), VK2JJ (John), VK2AYD (David), VK2AF (Col), VK2XXU (Will), VK2EI (Neil), VK2VY (John), VK2HBC (David), VK2KDL (Keith), VK2NNT (Neil), WA7UIB(Larry).

Trevor Thatcher - VK2TT
(Acting Chairperson, ORARC Repeater Committee)
7/8/99

Congratulations and Farewell to David (VK2HBC)

It is with mixed emotions that we say farewell to David & Aileen Tarrant. We are saddened by his departure from the district, but gladdened by the recent news that David was successful in the Full Call Theory Examination.

David leaves this region after a long association with the Hastings, Manning and McLeay districts in both his professional life and some 12 years of retirement. He has held office in the O.R.A.R.C. as Secretary, and Vice President, and both David and Aileen have participated in the work-force that helps to make our June Field days the successful events.

This couple will be missed from our club activities and from the local packet scene. They are migrating to the Gosford area amongst their extended family. David is planning to be back on the air as soon as he settles into a new QTH, with expectations to be soon disturbing the aether in the HF spectrum as well as VHF.

Congratulations on the Full Call Theory pass David, and sincere good wishes to you both for continued good health and happiness in your new location down the road a bit. Thanks to you both for your

contributions to the ORARC.

Another New Call in The Region.

Larry Conner, ex-WA7UIB, has handed in his call from his "old country", the U.S.A. and has become VK2IPO. Larry has been recently visiting the ORARC meetings and has participated in a club working bee at Telegraph Point. He is currently in the process of completing procedures for becoming a club member. Further, Larry has indicated an interest in becoming involved in the compilation and production of this erudite newsletter, OX-TALES. It could well transpire that we will have a new editor in the near future. (We hope to experience a welcome infusion of fresh ideas to carry OXTALES to bigger and better things..... Ed)

Larry has established a website, <http://www.members.xoom.com/Okieboy> and invites web surfing members to pay it a visit.

GHZ EXPERIMENTS

Neil (VK2EI), is a keen experimenter with communication and propagation in the Gigahertz range. He kindly supplied to OXTALES the details of his most recent escapade into this "twilight zone". Here in his own words is an interesting account of that event.

Wally, VK6KZ stopped over for a few days at my QTH on his current trip from Perth to Brisbane, and then further north to the Daintree area in VK4. He just happened to include his 10GHz and 24GHz SSB gear, in the hope of extending our previous distances in the area.

On Tuesday, 3rd August, I drove to North Brother and Wal resumed his trip north with a stop at Coffs Harbour. Wal found a high spot near the airport and we easily established contact on 10GHz with report of 5 5/8. The signals were a little lower than expected with moderate QSB. 24 GHz was attempted with nothing heard either way. Wal then decided to return to Sealey Lookout to the NW of Coffs Harbour to see if we could duplicate the 24 GHz contact of last year. Initially nothing was heard on 24GHz so we QSY'd to 10GHz with reports of 5 9 both ways. This confirmed the pointing so 24GHz was tried again. Very weak signals were heard right at the noise level but too weak even for CW! Last year these signals peaked around S4. Conditions at both ends of this 157.5KM path appeared better than last

year so there must have been some difference in conditions along the path. We abandoned further checks and Wal decided to continue his journey north. I decided to stay at North Brother repeater. I initially heard a very weak 10GHz signal that sounded quite odd and until Wal arrived at Ballina and try or a 10GHz Contact.

We had been using the Coffs harbour repeater for liaison but also used 40M in case we lost the repeater. HF conditions were very poor and we were only just able to maintain contact! Wal duly arrived at Ballina and set up near the Water Tower on the peninsula. Fortunately we were able to liaise via the company by the characteristic aircraft flutter but Wal could not hear me. My dish pointing checked OK. Wal had slighter higher power on 10GHz so he moved his dish in 2 degree increments while I acknowledged changes via 2M. After 12 degrees of movement his signal had increased sufficiently for him to hear me. When Wal peaked his dish he had swung a total of 21 degrees for the peak! Our antenna beamwidths are only 4.5 degrees wide and usually there is a little problem with pointing. Apparently there was a lot of metal around the Water Tower which seriously affected Wal's compass bearings. We exchanged 4 x 2 reports but the R4 was due to a strange gravelly nature of the signals probably due to rain scatter around mid-path. Neither of us had ever heard anything like this before. If not rain it may have been due to reflection from heavy clouds along the 319.5KM path. This eclipsed the previous record established by the VK3/VK5 VHF/UHF Expedition on 07/08/97 at 246.5KM. We have since confirmed that both sets of equipment were operating normally. On the 4th August a 10GHz attempt was made from North Brother to Cape Byron without success. Weather permitting we plan further attempts on Wal's return trip some time in September.
73's from Neil VK2EI.

Neil has supplied some technical details of his equipment, but due to space limitations in this issue, it will be held over until next issue.

TIMES REALLY ARE CHANGING

On 2nd August 1999, the Radio Communications Agency in the UK, announced a new licence. This new category allows access to the HF bands with a reduced Morse test speed of 5 wpm. In the RSGB notice, they believe Morse will be removed from the licence requirements in 2002/2003.

(AYD believes this will be replaced with digital technology - you will have to read and write FORTRAN, type at 35 wpm and send semaphore at 5 wpm!!).
-David - VK2AYD

The Packet Scene

One could be excused for asking the question "What has happened to packet radio in the Oxley Region?". Just a couple of short years ago, there was much activity on the local VHF packet frequency, 144.875MHz. There were as many as 10 stations (within a radius of 25 km of Port Macquarie) regularly making themselves heard, as well as others, well beyond that distance, all making use of either simplex between each other or using the ROSE Switch on Middle Brother. Things are very much different these days.

Whilst acknowledging that our club's ROSE Switch collapsed, and it took in excess of 12 months to upgrade and restore the Switch, there were other ways to get around this failed switch and extend one's horizons just as far as if it (the Switch) had still been there. VK2ATM-2 was (and still is) a Node that provides a link Northwards to the Coffs Harbour ROSE Switch and beyond. VK2DYX-1 (at Taree) is also a Switched Node that provides access Southwards (and beyond) via its Port-2 through to the Taree ROSE Switch. So there were no cogent reasons for packet activity to virtually collapse just because we lost our Middle Brother ROSE Switch for an extended period. There has to be other factors at work to cause this remarkable down turn in activity, and presumably, loss of interest.

Could it be that a large proportion of those who once dabbled in packet were really only looking for a means of making use of a form of electronic mail, and saw the packet BBS's (Bulletin Board Services - or is it Systems?) and PMS's (Personal Mail Systems) as possible solutions? If such were the case then, "Cognitively Challenged Freddie" would have been able to advise them that it could not have been a solution. He would have been aware that Amateur Radio Packet was never intended to carry traffic of the nature we see on the commercially operated e-mail (our licences do not permit it) and as packet links are operated and maintained by purely voluntary effort, they are inherently unreliable and totally incapable of carry-

ing high volumes of traffic of any sort throughout the nation.

However, when so many disenchanted ex-packet dabblers are prone to say "Why worry about packet when we now have e-mail and the WWW?", one could argue that the foregoing misgivings are not entirely ill-founded. Given that such an argument achieves some level of acceptance, it might then justifiably be perceived that the disenchanted dabblers took up licences (albeit for questionable reasons) for the express purpose of gaining access to a cheap communications medium over which they could just simply communicate.... not experiment.

It is a fact that downturn in interest in packet is not confined to our own area. Broadly speaking, it is pretty much visible nation-wide, but with some encouraging exceptions, where groups are developing networks (not necessarily ROSE) which *might* give rise to a resurgence of interest. If there is no reawakening of interest, we might be facing an era in which the humble TNC joins the Morse Telegraph Key on the figurative scrap-heap of technology as a "no longer relevant" item of hardware, such as the Wheatstone ABC, the Teletype, Synterpolator and the like.

In Perth, where a ROSE bridgehead once existed, and had promise of developing, we now see a situation where, although there is still a ROSE Node, there is now no user access available. This information has been passed to me by potential users, and although based on folklore, I have no reason to suspect its veracity.

I understand that at Coffs Harbour there is no longer a "backbone" link to Lismore. However, there is *a* path to Lismore via the Coffs Switch, but it is rarely, if ever, used by more than one or two amateurs.

All of the foregoing, prompts in my mind, the question as to whether we as, a club, should be continuing to expend effort and expense in maintaining and/or further adding to packet facilities when there is no current evidence of a significant level of interest.

Anyone out there have similar or opposing views?
de Trevor (VK2TT)

Club Participation in Community Events.

Members are reminded of the forthcoming community events in which it has been usual for the club members to participate. See Down the Coax on Page 2 for dates/times.

Communications for The Billy Cart Derby and Fun-Run at Beechwood have been looked after for the last several years by the club, and the organisers have again requested that we assist this year. It is quite an enjoyable day, with no inconvenient starting times or lengthy coverage period. Two operators, with mobile or hand-held 2-metre transceivers, are required from 8.30am to around 10.30am to cover the Fun-Run while a further 2 are required for overall coverage from 8.30am to around 1.30pm. This covers Base station, Public Address operation, and mobile commentary vehicle for the entire event.

Proceeds from this event, which is organised by the Lions Club, go to the charity Wheels Under Kids.

The times and exact venues for JOTA/JOTI (Jamboree of the Air and Jamboree of The Internet) activities are yet to be finalised following planned discussions between ORARC and the Scouting/Guiding groups. Roy (VK2YOR) will be representing the club at a forthcoming meeting and will advise requirements.

Membership Subscriptions

Whilst there has been an encouraging payment rate of membership subscriptions this financial year, there is still quite a number of usually prompt "payers" who have not yet come to the party. If your name does not appear in the current membership list on the last page of this newsletter, and your subscriptions are not forthcoming before the next issue of OXTALES, then this August issue will be the last you will receive until you become financial. The club needs your financial support in order to meet its obligatory expenditure. If you intend continuing your membership, your payment would be appreciated as soon as possible.



OXLEY REGION AMATEUR RADIO CLUB Inc.

MEMBERSHIP REGISTER.

(Current to 19th August, 1999)

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	VK2JB	LAKE CATHIE	02 6585.5703
3	F	COLIN ((IAN))	BELLENGER	VK2AF	PORT MACQUARIE	02 6582.3803
4	F	BOB	BRODIE	VK2EIK	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 6583.5245
7	F	KEVIN ((JUNE))	COULTER	VK2MAM	PORT MACQUARIE	02 6583.8325
8	F	IAN	DALRYMPLE	VK2XU	PORT MACQUARIE	02 6584.9922
9	F	TRACY ((CINDY))	DIGNUM	VK2GTM	HERONS CREEK	02 6585.7061
10	F	CHARLES ((PAT))	EDMONDSON	VK2FSH	PORT MACQUARIE	02 6584.0495
11	D	STAN ((BETTY))	ELLIS	VK2DDL	TUNCURRY	02 6554.7996
12	F	BADEN ((VALERY))	GLEESON	VK2MOQ	PORT MACQUARIE	02 6582.2018
13	F	KENNETH ((-))	GWINNELL	-	PORT MACQUARIE	02 6584.2860
14	L	KEITH	HANLON	-	PORT MACQUARIE	-
15	L	PETER	HILL	VK2BZA	LAKE CATHIE	02 6585.5349
16	F	SNOW	HODDER	VK2DV	PORT MACQUARIE	02 6583.7095
17	F	WILL ((CAROL))	JAMIESON	VK2XXU	DUNBOGAN	02 6559.8622
18	F	JOHN ((THEA))	JONES	VK2JJ	LAKE CATHIE	02 6585.4522
19	D	BRIAN	KELLY	VK2WBK	TAMWORTH	02 6776.2004
20	F	GARRY ((LINDA))	LAWER	-	PORT MACQUARIE	02 6582.0597
21	L	LARRY	LINDSAY	VK2CLL	WAUCHOPE	02 6587.1155
22	L	HENRY	LUNDELL	VK2ZHE	PORT MACQUARIE	-
23	F	KEITH ((GWEN))	LUTTON	VK2KDL	TELEGRAPH POINT	02 6585.0321
24	F	ALLAN ((DAWN))	MADIGAN	VK2MAI	WAUCHOPE	02 6585.2043
25	F	JOHN	MCLEAN	VK2KCE	PORT MACQUARIE	02 6583.7400
26	F	TERRY	MEEHAN	VK2KL	PORT MACQUARIE	02 6584.2997
27	L	ARTHUR ((WENDY))	MONCK	VK2ATM	PORT MACQUARIE	02 6583.1311
28	F	LAURIE ((ROBIN))	NEWHAM	VK2ELN	PORT MACQUARIE	02 6583.5387
29	F	ALLAN	NUTT	VK2GD	PORT MACQUARIE	02 6582.3557
30	F	DAVID A ((DEE))	PILLEY	VK2AYD	KING CREEK	02 6585.2647
31	F	BILL	ROTH	VK2CWR	PORT MACQUARIE	02 6581.1776
32	F	NEIL ((VERENA))	SANDFORD	VK2EI	PORT MACQUARIE	02 6582.5830
33	F	BILL ((RUTH))	SINCLAIR	VK2ZCV	PORT MACQUARIE	02 6583.9302
34	F	DAVID ((ROMA))	SMITH	VK2DAL	WAUCHOPE	02 6585.1004
35	D	DARYL	ST. JOHN	VK2MZ	FORSTER	-
36	F	DAVID ((AILEEN))	TARRANT	VK2HBC	SPRINGFIELD	02 4365.5046
37	F	TREVOR ((PHYLLIS))	THATCHER	VK2TT	WAUCHOPE	02 6585.2278
38	F	NEIL	TROTTER	VK2NNT	LAKE CATHIE	02 6585.4430
39	F	BRUCE ((GWEN))	WALKER	VK2HOT	PORT MACQUARIE	02 6583.8360
40	F	JIM	WEBSTER	VK2BZD	PORT MACQUARIE	-

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

