

IARS Propagator

The monthly newsletter of the Illawarra Amateur Radio Society Inc. (IARS)

Meetings are held on the second Tuesday each month (except January) at 7:30pm in the State Emergency Services building Montague Street North Wollongong

VISITORS ARE MOST WELCOME

Mini Auction This Tuesday

Editorial

Just a short propagator this month, you will notice a couple of additional sheets appended to the propagator. There are 2 pages for administration (election of officers nomination form and one for fees), and a "poster project" passed on to me by Brian GCE. This month's poster project is the construction of a simple BFO.

I would like to thank Lyle ALU our Honorary club historian for the many hours that he has put into his interesting articles on the club history, the last of this series of articles appears in the propagator this month.

See you at the Auction!

cheers.....Ken VK2KWG.

Coming Events

June. Mini Auction. A sale of shop soiled electronics equipment at realistic prices. The proceeds are earmarked for upgrade of the repeater system.

July Annual General Meeting. Which job will you be taking on this year?

September. Come in from the cold and see some of the action packed adventures from Dale VK2DSH from his stay on the continent way down south.

Available in our junk yard.....

1. Electronics bits and pieces (millions!)
2. Meters, gauges, instruments, cables, wires etc.
3. Metal sections:- copper, brass, aluminium, s/steel
4. Motors, gearboxes, pumps, assorted machinery
5. Steel sections, sheet, planks, ladders, shelving
6. Scales, safes, compressors
7. We buy all metals including platinum and gold

Two acres jammed full of practical and valuable government disposals.

**Our regulars swear it is
the best place for value**

CAVIONS

11 Moloy St,
Bulli
Ph (042) 846838

Opinions expressed herein are not necessarily those held by the editor, committee, or members generally

WAY BACK THEN

Episode 40...1987

(The final episode)

Annual Election of Officers

Held in July. Those elected included Pres. Bill Chadburn, VK2DYU - VP. Keith Curle, VK2OB - Sec. Tom Brown, VK2JTB - Treas. Dave Henderson, VK2VAV/YKQ - Committee - Rob, VK2MT, Peter, VK2BIT and Ray, VK2PHD/XCC.

Incorporation of the Illawarra Amateur Radio Society

The IARS became an Incorporated body as from July 1987 - after much hard work by Treasurer Dave, VK2YKQ and Secretary Jim, VK2EJH.

Repeaters

Graeme, VK2CAG reported in February that the 6850, Mt. Murray repeater had operated faultlessly over the holiday season for the first time - the 80W of solar panels capacity had made all the difference to the charging capability of its power supply. Unfortunately it suffered from severe pager interference over part of the year.

7275, Sublime Point was still being plagued by pager interference, but this was reduced later in the year.

The 2 metre digipeater was relocated to High Range, near Mittagong, for a trial period in conjunction with the Southern Highlands Group. It gave excellent results from this location towards the Sydney area etc. and on occasions even into Canberra. On completion of the trial, in May, it was returned to Mt. Murray as VK2RAW - where it continued to be much used.

The major project for 1987 was to be the complete rebuild of the 6850 repeater at Mt. Murray, but there seemed to be some difficulty in obtaining assistance and parts required to commence this project.

Graeme, VK2CAG, indicated that his Repeater Report in the July Propagator would be the last of his many, most interesting, reports.

As pressure of work in his business increased, he handed over the Repeater Committee Chairman's job, which he had held for so long and it was taken up by John, VK2XGJ, prior to year's end. However Graeme has continued to provide most valuable technical assistance and to carry out workshop repair and modifications to the Club's repeaters from time to time.

Other Propagator items

Satellite Notes by VK2ALU mainly covered operation via Oscar 10.

A four part series by Rob, VK2MT, gave a good run down on the Aussat television satellites.

The March issue was a special historical issue - with extracts from the monthly magazine Radio Television and Hobbies, later Electronics Australia - covering amateur activities in the Illawarra area over the period 1962 to 1975. Some of the photo reproductions are quite interesting.

Also in the March issue was a list of Club members and their callsigns (a good idea, which has not been seen lately)

The "classic" cartoon series on "The Little King" and his friends continued to give the readers great enjoyment. (The "Little King" was the "ultimate in amateur high power merchants!!)

Some of the Club activities reported in the Propagator.

The "Lotto" fund raising scheme continued to do well over the first half of the year but support waned slightly over the second half.

The 80 metre weekly Net continued, with support from the "faithful few" throughout the year.

As at May, the Club had 114 members and was in a "financially sound position" according to Dave, VK2YKQ in his Treasurers Report.

In June, Lyle, VK2ALU relinquished the position of EME Co-ordinator, which he had held since December 1969 - due to the IARS Moonbounce Project having to be abandoned (see more details in Episode 39 of this series.)

Talks etc given at monthly meetings included -

Feb - The Art of Surveying - talk and demonstration by Bob Lloyd of the DMR.

Mar - Guidelines for TVI Complaints - Barry Sullivan, District Radio Inspector.

Apr - A Visit to Nepal - Slide presentation by Dave, VK2VAV/YKQ.

Jun - Welding Techniques involved in Tower Construction - Tom, VK2JTB.

Aug - Mini-auction of transceivers which could be converted for 6 metres.

Nov - Annual Club Auction.

Dec - Christmas social evening, attended also by XYL's and YL's - complete with the usual "goodies".

A Christmas picnic was held at Cordeaux Dam in December. On this occasion we were entertained, not only by Santa Claus but also by Darth Vader - to the delight of the "small fry" ! As usual, everyone had a great time.

Well - this ends the series 'WAY BACK THEN'. In the 40 episodes (many more than first anticipated) it has spanned the early beginnings of the original Wollongong Radio Club from 1948 onwards and also the 25 years from 1962, when it was reformed, after a period of inactivity.

I guess that the main purpose of the series has been to let those of you who have become members of the IARS over more recent times, to know something of "what went on" in the more distant past - and also to indicate what the Club was able to achieve by the combined efforts of many of its members of those days.....after all, any organisation of this nature is only what THE MEMBERS (not just a few of them) make of it!!

Hopefully, someone in the future may be able to chronicle a sequel of equally impressive events in the life of the Illawarra Amateur Radio Society as those covered in this series.

73 Lyle VK2ALU.

WANTED WANTED WANTED

someone to take a box of Club records off my hands.

Now that I have completed the "WAY BACK THEN" series, I wish to dispose of the various early Secretary's Minute Books etc etc which are cluttering up my "computer room".

I will bring a box of them to the next club meeting (-if nobody comes for them beforehand) and will not be bringing them home!!! - or, if I do have to bring them home, they will be dropped in the garbage bin on the way in.

Lyle.

Official Notice

The annual general meeting of the Illawarra Amateur Radio Society will be held on Tuesday the 11th of July 1995 730pm, at the SES headquarters Montague St North Wollongong.

NEWTEK ELECTRONICS

*** New Location ***

JUST UP THE ROAD FROM THE BOTTOM
ROUND ABOUT IN KEIRA ST.
(SWAN ST END)

Reseller for:- Altronics, Arista, Jacar, Rod
Irving

Stockist of:- Alarm accessories, UHF
antennae, tools, computer
accessories, test equipment, cables,
R.F. sprays, and electrical
components for the professional,
Amateur and Hobbyist.

Call in and see jack at:-
348 Keira St. Wollongong
Phone and Fax 271620

If we haven't got it
we'll be happy to get it in.

POST BOX - "THE ILLAWARRA AMATEUR RADIO SOCIETY Inc."
PO Box 1838, Wollongong, 2500.

REPEATERS	VK2RIL	147.275	Voice/RTTY	Sublime Point
	VK2RIL	438.725	Voice/RTTY	Sublime Point
	VK2RAW	146.850	Voice	Mt. Murray
	VK2RUW	438.225	Voice	Knights Hill
	VK2RUW	029.620	Voice (off air)	Knights Hill
	VK2RUW	144.775	Packet(ROSE)	Knights Hill
	VK2AMW-1	144.625	Packet	Wollongong Uni (Packet Internet Gateway)

BROADCASTS - The Wireless Institute of Australia, N.S.W. Division broadcast is relayed to 146.850 and 438.225 at 10.00 am and 7.30 pm each Sunday. Local call-backs after the broadcast.

NEWS LETTER - The "PROPAGATOR" is published each month to reach all financial members in the week preceding the club meeting. Articles and letters are always welcome. Commercial advertising \$60 per ad per year, members classified free for one issue. See Ken VK2KWG for details.

MEMBERSHIP - \$20.00 P.A., concessions \$15 P.A., expiring immediately after the Annual General Meeting in July.

LAWRENCE HARGRAVE AWARD - VK stations require 10 contacts with IARS members. Overseas stations require 5 contacts. One contact with the Club station VK2AMW is suitable. Details of contacts are to be sent to the Club secretary.

COMMITTEE

PRESIDENT	VK2KWG	Ken Grimm		
VICE PRESIDENT	VK2UBF	Brian Farrar		
SECRETARY	VK2UR	Ron Hanks	(042) 84 2691	
ASSIST SEC		Les Holmes		
TREASURER	VK2UBF	Brian Farrar		
ASSIST TREAS		TBA		
COMMITTEE	VK2GCE	Brian Clarke	VK2KVH	Vic Hee
	VK2TPH	Phil Howchin		
REPEATER	VK2MT	Rob McKnight	VK2TKE	Ken Goodhew
	VK2CAG	Graeme Dowse	VK2BIT	Peter Woods
	VK2XCE	Michael Sediakin	VK2UBF	Brian Farrar
PUBLICITY	VK2KWG	Ken Grimm		
BROADCAST	VK2XGJ	John Simon	VK2MT	Rob McKnight
	VK2UBF	Brian Farrar		
EDITOR	VK2KWG	Ken Grimm	(042) 28 8218	
PRINTER	VK2KWG	Ken Grimm		
CANTEEN	VK2XQX	Simon Ferrie		
LIFE MEMBERS	VK2ALU	Lyle Patison	VK2CAG	Graeme Dowse
	VK2OB	Keith Curle		

******IMPORTANT NOTICE TO ALL MEMBERS******

MEMBERSHIP FEES ARE DUE TO BE PAID BY AUGUST MEETING.
KINDLY FILL OUT BELOW AND BRING TO NEXT MEETING OR
MAIL TO:

THE TREASURER
I.A.R.S.
PO BOX 1838
WOLLONGONG NSW 2500

NAME:.....

ADDRESS.....

SUBURB.....

POST CODE.....

CALL:VK

FULL MEMBERSHIP \$20 PA.
CONCESSIONS \$15 PA.

UNPAID MEMBERS WILL CEASE TO RECEIVE THE PROPAGATOR .

ARE YOU A MEMBER OF W.I.A YES NO.?
THIS INFORMATION IS TO BE SENT TO W.I.A. BY NEXT COMMITTEE.

PLEASE RETURN THIS FORM WITH YOUR REMITTANCE AS THIS IS FOR
OUR CLUB RECORDS.

TREASURER

RECEIPT NUMBER:_____

ILLAWARRA AMATEUR RADIO SOCIETY

NOMINATION FORM

For position of Office Bearers and /or Management Committee
for the year 1994-5

Application for the position of Office Bearers or Management Committee.

Office Bearers:- President.
 Vice-President.
 Secretary.
 Assistant-Secretary.
 Treasurer.
 Assistant-Treasurer.

Management Committee: 3 positions.

Name of
Candidate: _____

Address of Candidate: _____

Position for which Candidate is nominating: _____

Candidate's signature: _____ Date ___ / ___ / ___

Proposer's Name: _____ Signature: _____

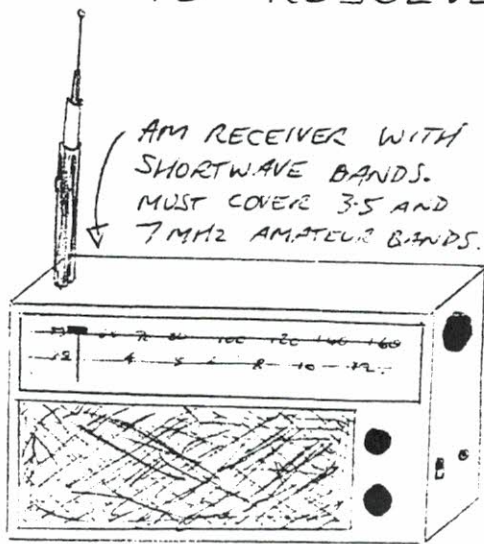
Proposer's Address: _____

_____ P/C _____

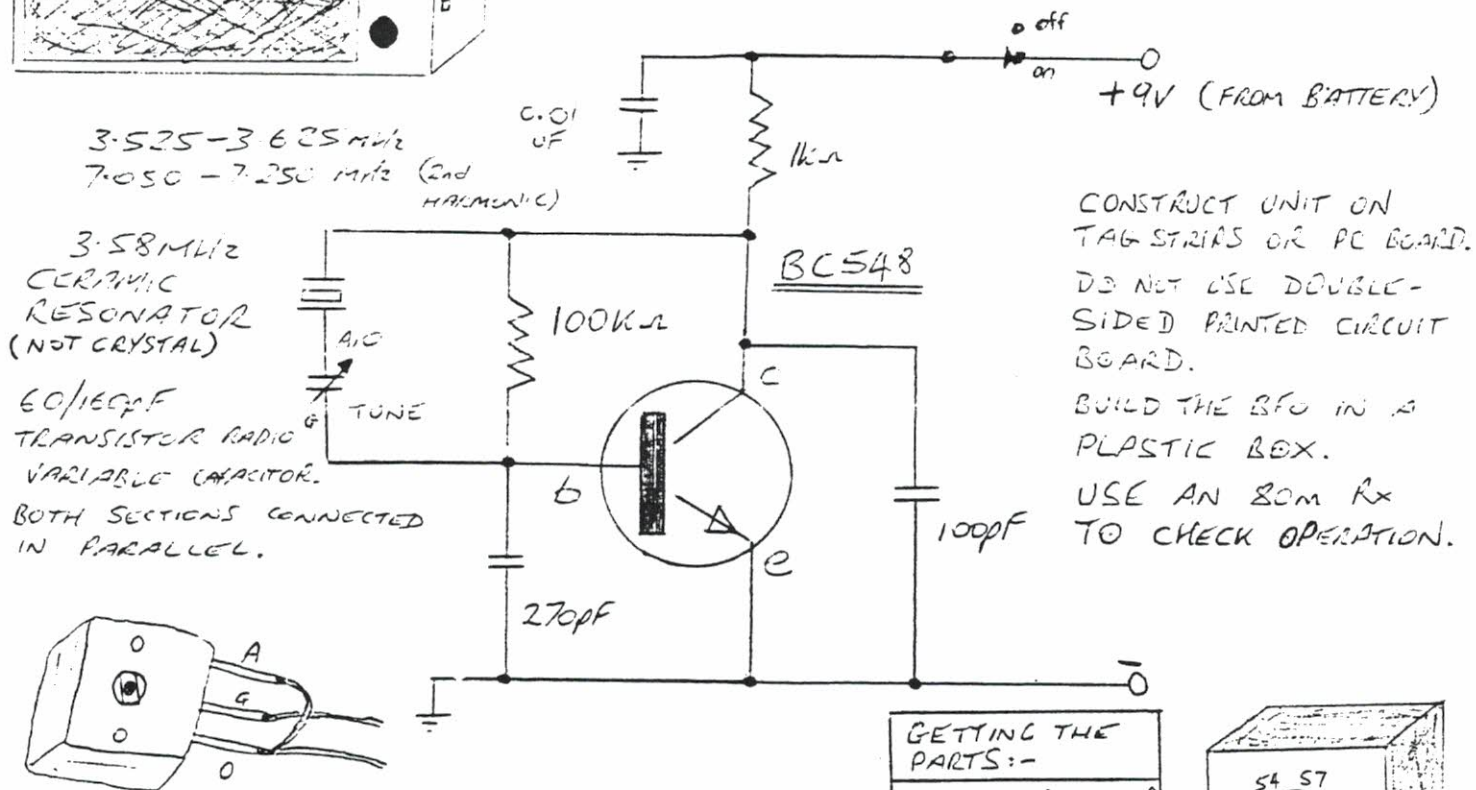
hand to outgoing president at A .G. M.

SIGNAL FREQUENCY BFO

- ADD THIS TO YOUR SHORT-WAVE RECEIVER TO RESOLVE SSB/CW AMATEUR SIGNALS.



- COVERS 3.525-3.625 AND 7.050-7.250 MHz.
- HIGHLY STABLE.
- COSTS LESS THAN \$10 TO BUILD.
- SIMPLE AND EASY TO CONSTRUCT.
- ALL COMPONENTS OBTAINABLE IN WA.
- ELIMINATES EFFECTS OF RECEIVER DRIFT.
- MAKES RECEIVER TUNING EASIER FOR SSB SIGNALS.



OPERATING THE BFO

WITH THE BFO OFF, TUNE IN A SSB 80m SIGNAL ON THE RECEIVER. TUNE FOR MAXIMUM LOUDNESS.

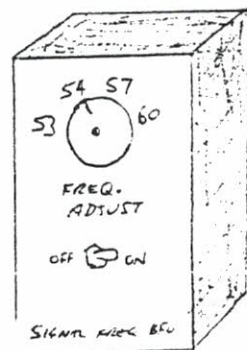
SWITCH ON THE BFO. PLACE IT NEXT TO THE RECEIVER. TUNE IT UNTIL YOU HEAR A STRONG CARRIER IN THE RECEIVER. MOVE THE BFO AWAY FROM THE RADIO, SO THE SIGNAL FROM THE BFO BECOMES WEAKER. TUNE THE BFO UNTIL YOU ARE ABLE TO UNDERSTAND WHAT IS BEING SAID. MOVE THE BFO AROUND FOR BEST RECEPTION. USE THE BFO'S SECOND HARMONIC FOR 40m SSB RECEPTION.

GETTING THE PARTS:-

CERAMIC RESONATOR RS COMPONENTS, OSBORNE PARK. (8204 ea)

VARIABLE CAP:- DICK SMITH.

OTHER PARTS:- ALTRONICS, TANDY, DICK SMITH, ELECT PARTS WA



HOW IT WORKS

THIS DEVICE IS A VARIABLE FREQUENCY RF OSCILLATOR. IT IS CONTROLLED BY A CERAMIC RESONATOR ON 3.58 MHz. THIS CAN BE SHIFTED OVER A 100kHz RANGE. UNLIKE MOST BFOs (WHICH OPERATE ON 455kHz) THIS UNIT OPERATES ON THE RECEIVED FREQUENCY. THIS CANCELS RECEIVER DRIFT AND MAKES TUNING EASIER.