



THE PROPAGATOR

MONTHLY NEWSLETTER OF THE ILLAWARRA AMATEUR RADIO SOCIETY.

P.O. Box 1838. WOLLONGONG. N.S.W. 2500.

CLUB STATION VK2AMW. CLUB 2m REPEATER VK2RAW.

I.A.R.S. is a Member Club of the Wireless Institute of Australia.

<u>PRESIDENT.</u>	<u>SECRETARY.</u>	<u>EDITOR.</u>
Jim Potts, VK2BBG, 14 John St., WOONONA. 2517.	Brian Boseley, VK2BCI, Figtree Hotel, FIGTREE. 2525.	Ian Bowmaker, VK2ASN. 15 Akuna St., Keiraville. 2500.

MONTHLY MEETING. Held on the Second Monday of each Month,
at 7.30 pm, at the Wollongong Town Hall Meeting Room.

I.A.R.S. MONTHLY BROADCAST.

The Monthly Broadcast takes place on the Sunday preceeding Meeting night each month, at 1900 Hours EAST.

Frequency used by VK2AMW for the broadcast is -
Repeater Channel 5, or Simplex Channel 40.
Relay by Brian, VK2BCI, on 28.460 MHz.

I.A.R.S. CLUB NETS.

6 Metre. 9.00 am Sunday, 52.525 MHz FM.
10 Metre. 8.00 pm Sunday, 28.460 MHz USB.

————— AUGUST 1978 —————

Members are advised that the monthly meeting of the Illawarra Amateur Radio Society will be held at the Wollongong Town Hall Meeting Room at 7.30 pm on Monday 14th August, 1978.

Visitors are most welcome to attend.

LECTURE - DEMONSTRATION for AUGUST MEETING.

This month we will be showing you the new Repeater for use on 432MHz. The demonstration will be given by Paul, VK2ZQT, and Charlie, VK2ZEN.

STORE.

We have added quite a number of new items to the stock in the Store. Please see listing in this Issue for details.

The Store will be in operation on Meeting nights only.

TRADE DISPLAY.

Due to unforeseen circumstances, the Trade Display has been postponed and will now be held at the September meeting. (11/9/78)

EDITORS NOTE.

I must apologise for the brevity of this Issue of the Propagator. Our usual arrangements for printing have not been available for this month so we have had to seek an alternative at short notice.

Ian, VK2ASN.

FOXHUNT ARRANGEMENTS

Everyone is invited to join in the fun of foxhunting. The foxhunts usually start from Wellongong Lighthouse at 11.30 a.m. on the Sunday following the Monday night I.A.R.S. meeting, and are followed by a picnic/barbecue.

The following arrangements are designed to let everyone participate, whether they have equipment or not.

1. The Hounds (with mobile direction-finding gear) will be dispatched from the Lighthouse about 11.30 a.m. Each will be given a sealed envelope containing the location of the fox and/or barbecue, to be opened only if completely lost or mystified. The dispatch time will be written on the envelope, together with call sign.

The winning hound must find the radiating antenna and present his still-sealed envelope to the fox. Shortest elapsed time determines the winner, who will then be fox at the next foxhunt.

2. The Pups (with sniffers only) will receive the same sealed instructions as the hounds, to be opened only after all the hounds have started.

3. The Bunnies (??) (with no equipment) will also receive sealed instructions to be opened only after all the hounds have started.

4. The Fox will -

- (a) Provide sufficient sealed instructions for the hounds, plus one or two for other participants, giving the location of the fox and barbecue
- (b) Transmit tone, starting at 11.30 a.m., on Channel 40 (146.00 MHz FM, vertical polarization.)
- (c) Be within about 30 km of the lighthouse.
- (d) Avoid areas (e.g. the top of the scarp) which would involve interference with Sydney users of Channel 40.
- (e) Use whatever power, antennas, and camouflage as befits the situation.
- (f) Check in the hounds as they arrive, collect unopened envelopes, and record arrival times on the envelopes.

The Sunday Night 10 metre Net - 8 00 p.m., 28.46 MHz USB.

The 10 metre net has got off to a good start. Thanks to Dick VK2NNL who has been net controller. Don't hesitate to call to the net - newcomers are always very welcome.

New Call Signs

Congratulations to all who have received their calls recently.

Some we know are -

Ken McIntosh VK2NPL
Kaz Skulimowski VK2NUP
Ron Jackson VK2NVT
Jim Mead VK2NYY

AUGUST MEETING. RAFFLE PRIZES.

This month we offer a choice - First draw has first choice, and second draw gets what's left.

The two prizes are - Nibbler Tool, and a Tapered Reamer. Again, good items. Thanks to our Raffle Officer, Richard, VK2ZVX.

JAMBOREE OF THE AIR , 1978.

The 21st JOTA is to be held on the weekend of 21st and 22nd October 1978.

As in previous years, we are seeking the services of members to assist the Scouts and Guides in their activities.

Any member who is able to assist, either by loan of equipment, available to operate their own station, or available as a spare operator, please contact the Secretary, Brian, VK2BCI, as soon as possible so that arrangements can be made with the Scouting groups.

Our efforts are greatly appreciated by the Scouting Officials, so let's keep up the effort again this year.

FOX HUNT

Interest is certainly growing in our latest efforts to establish regular Fox Hunting. As an added incentive to those who have not yet participated, we are offering a prize to the winner of each monthly Fox Hunt.

The prize will be a \$2.00 order on the Store.

CHANNEL 5 REPEATER.

First it stopped, then it came back on reduced output, and now it's better than ever before. How?

The antenna system suffered some damage from the Westerlies, so we lost output. However our new antenna arrived and our brave rigger friend put it up for us.

Now we have a gain type omnidirectional antenna operating on transmit and this has resulted in much better coverage than previously. However, whilst the signal out has improved, the input to the repeater has remained the same. Thus you may well find situations where you can hear the repeater quite well, but are not able to work into it. Plans are in motion to overcome this problem - the receiver antenna and repeater unit are to be relocated on top of the hill as soon as practicable and this will give us much better working coverage.

THANKS.

Quite a number of members benefited by a handout of Amateur Radio magazines at the July meeting. Our thanks to Laurie Jordan, VK2ALV for the generous donation of the magazines.

INTRUDERS

Mention was made at the July meeting that intruder activities were taking place in the 10 metre Band.

We would ask members to take note of any non Amateur activity in the Bands and to notify, in writing, all the details to the Committee. It is advised that no Amateur should take any direct action himself to deal with any non-amateur using the Bands illegally, other than to notify the Committee.

NAME-BADGES. A reminder, Hand form to John Doherty, VK2NHA.

To IARS Committee

I would like to have my own name badge to wear at meetings.

Would you please order on my behalf one badge bearing the following details:

First name Call Sign

I.A.R.S. COMPONENTS STORE

CAPACITORS.

GREEN CAPS. .001, .0015, .0022, .0039, .0047, .0056, .0082,
and .01, each 10c.
.039, .047, .056, and .082, each 15c.
.1, .15, and .47, each 20c.

ELECTROLYTIC CONDENSERS, 25V, double ended.
4.7uF, 10c. 100uF, 15c. 220uF, 20c. 470uF, 25c.
2500uF, 50V, 2.00. 4700uF, 50V, 2.00.

TRIMMER CONDENSERS.

Wire wrap type trimmers, reduced to ... 5c.
PCB mounting trimmers, 3-13pF and 2-20pF, each 10c.

TANTALUM CAPACITORS.

.47, .1, 1.5, 2.2, 4.7, & 6.8 mF each 20c.
10mF, .. 25c. 22mF ... 45c. 47mF ... 65c.

NEOSID COILS.

Former .. 10c. Slug, F29 (VHF) ... 10c.
Cans.... Single, 10c. Double, 15c.
Small Balun Former, 15c.

Toroids. F25 (HF). Small, 20c. Large, 30c.

Coil former and can complete, 10c.

CABLES AND CONNECTORS.

Belling Lee. Sockets, 50c. Connectors, 50c.

PL259 Plugs, 1.00. S029 Sockets, 1.00.

Adaptors for RG58U cable for PL259 plugs, 25c.

CO-AXIAL CABLE. RG8U (heavy) ... 1.20 per metre.
RG58U (light) ... 50c. per metre.

Sheathed, light hook-up co-ax, lengths of 4 metres, 1.00.

METERS. S Meter 400uA 1-3/8 x 5/8 2.50.
Level Meter dual 200uA meters, illuminated. .. 3.00.
2" sq. 100mA centre zero meters. ... 6.00.

RESISTORS. Bag of 160 $\frac{1}{2}$ watt resistors. ... 4.00.
10 each of values 10, 47, 68, 100, 220, 470, 680,
1K, 2.2K, 4.7K, 6.8K, 10K, 22K, 47K, 68K, & 100K.

DIODES. 1N4148 ... 10c. OA91 ... 12c.
EM404 ... 20c. EM410 ... 25c.

LED's. colour RED 35 each.

I.C's. 741 ... 85c. LM38 ... 1.85.
7812 regulators ... 2.00. NE555 ... 90c.

TRANSISTORS. 2N2485 ... 95 BC109 ... 35c.
MPF131 ... 0c.

PCB TRIM POTS.

Values, 2K, 5K, 10K, 25K, 50K, & 100K. .. 25c each.

PRINTED CIRCUIT BOARD.

Fibreglass PC board, copper on one side.

Sheet sizes - 18" x 5" ... 1.50.

12" x 4 $\frac{1}{2}$ " ... 1.00.

Values of 5K, 10K, & 25K. each 50c.

SUPPRESSOR RESISTORS for ignition high tension leads.
In line, screw type. each ... 50c.

SUNDRY OTHER ITEMS.

Pair meter leads with alligator clips. Reduced to 20c.
Four pin plug and socket - pair. Reduced to 10c.
Alligator clips - large, insulated. Red or Black. 10c.
Edge Connectors. each 1.00

CABLE CLAMPS. Chassis mount for power flex. ... 10c each.

OAK WAFER SWITCHES. Assorted types available. 1.00 each.

POWER CORDS. About 2 metre length, with 3 pin plug. Each 1.00.

PLASTIC INSULATION TAPE 30c per roll.

RELAYS. Miniature PCB mounting type. 12V. 1.00 each.

TOGGLE SWITCHES. Both lever and push button types. 60c each.

SOLDER. 50c per roll.

TRANSFORMER. 240V Prim, 12V 150mA C/T Sec. 2.00 each.

FOR NEXT MONTH.

POWER SUPPLY KITS. 12V to 14.5V, 2.5A Regulated
Complete with case, but no transformer supplied.
Yet to be priced, but should be a very good buy.

WESTLAKES NOVICE MANUALS. New stock still available at \$3.50.

You will notice that there are a lot of new items in the list.
There are still a large number of components yet to be sorted
and priced. We were able to make a large purchase of stock
from a closing down sale, although some individual items are
only in limited quantities.

Again we would like to remind members, and to ask for your
co-operation, that the store is operated only on meeting nights
following the closure of the formal part of the meeting.

FOR SALE.

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BARLOW WADLEY model XCR-30 Communications receiver.
Continuous coverage from 500 KHz to 30 MHz in 1 MHz bands.
Will receive AM, USB or LSB, & CW.
Little used, in very good condition. Price .. \$180.
Contact Charlie VK2BO at the meeting or phone 611607.

~~CRESS TELEPRINTER model 35 in good condition Price \$25~~
~~John Walker VK2AJT Q&R 6/9/74 via Telephone Exchange.~~

FOR SALE

(1) All solid state B.W.B. Model 430 4" dual beam Oscilloscope,
15 MHz bandwidth, Excellent condition, has had very little
use.
Price \$300.00 - less than half the original price.

(2) New V.H.F. Valves.
Philips QQE03/20 Price \$10.00 each.
Philips QQE08/5 Price \$ 8.00 each.

Contact: Les Kirchner VK2NHI/ZEB.
Phone 563174 evenings or 283388 work hours.

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