



THE PROPAGATOR

MONTHLY NEWSLETTER OF THE ILLAWARRA AMATEUR RADIO SOCIETY.

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

IARS 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	John Doherty, VK2NHA, 7 Risley Road FIGTREE 2525	Ian Bowmaker, VK2ASN, 15 Akuna St, KEIRAVILLE 2500

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

CLUB STATION - VK2AMW. CLUB REPEATER - VK2RAW, 2m, Channel 5.

IARS MONTHLY BROADCAST

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

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

IARS CLUB NETS

6 Metre. 9.30am Sunday, 52.525 MHz FM.
10 Metre. 8.00pm Sunday, 28.460 MHz USB.

March 1979

Members are advised that the Monthly Meeting of the Illawarra Amateur Radio Society will be held at the Wollongong Town Hall Meeting Room at 7.30pm on **Monday, March 12**

Visitors are most welcome to attend.

ANNUAL GENERAL MEETING

Members are advised that the Annual General Meeting of the Illawarra Amateur Radio Society will be held at the Wollongong Town Hall Meeting Room at 7.30pm on Monday 12 March 1979.

The Agenda includes the Election of Committee for 1979-80 and the presentation of the Financial Statement for the year 1978-79.

WIA EXTRAORDINARY GENERAL MEETING

For those WIA Members who wish to voice an opinion but cannot get to this meeting Jim Potts 2BBG and Geoff Cuthbert 2ZHU will be attending and will accept your proxy. Please read the insert in A.R. and complete the attached form.

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.

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.
Coil former and can complete, 10c.

CABLES AND CONNECTORS.

Belling Lee. Connectors, 50c.
PL259 Plugs, 1.00. SO29 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.

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 ... 10c.
EM404 ... 20c. EM410 ... 25c.

LED's. colour RED 35c each.

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

TRANSISTORS. MPF131 ... 85c. BC109 ... 35c.
2N3568 .. 30c. TIP32A .. 50c. BF167 .. 50c.
2N3054 .. 80c. 2N5485 .. 95c. 2N5457 .. 50c.
2N5459 .. 50c. 2N5416 .. 50c. 2N3568 .. 30c.

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.

POTENTIOMETERS.

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

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

SUNDRY OTHER ITEMS. Cable clamps .. 10c.ea. Plastic Tape .. 20c.
Power Cords... 1.00 ea. Wafer Switches... 1.00 ea.
Meter Leads... 20c. pair. Four Pin Plug & Socket... 10c.
Alligator Clips - large, insulated. Red or Black... 10c.

GET YOUR AMATEUR RADIO LICENCE IN 1979 !

Get your licence, and start making friends throughout Australia every evening on 80 metres - talk to other amateurs all over the world on 20 and 15 metres - operate through amateur satellites - run radioteletype - try slow-scan television - use VHF repeaters for reliable mobile communication.

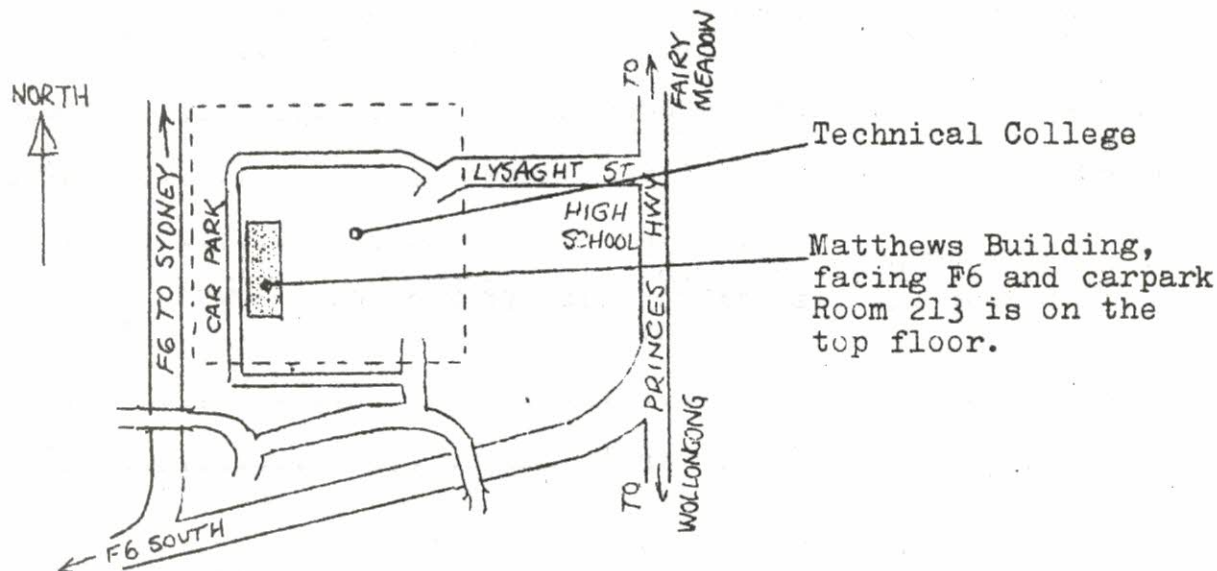
The School of General Studies at Wollongong Technical College is running an approved course in Electronics, which includes all the information and training you need to get your Novice, Limited, or Full Amateur Licence.

If you have NO knowledge of electronics - but are prepared to study hard, you should be able to pass the Novice Examinations in May or November of 1979.

If you have a Novice Licence, OR electronics background - you should be able to pass the Full or Limited Examination in August of 1979.

So - enrol in the course - and become an amateur operator next year! As dozens of new (and old) amateurs in Wollongong will tell you - it's well worth the effort.

ENROLMENT DETAILS



ENROLMENT: Be sure to enrol on the first night of the course, Friday 16th February, at Room 213, Matthews Building, at 6 p.m. The class is certain to fill quickly.

CLASS TIMES: 6 - 9 p.m. every Friday night, starting on Friday 16th February.

CLASS LOCATION: Wollongong Technical College, Matthews Building, Room 213 (see map above).

FURTHER INFORMATION: Contact Brian Wade, VK2AXI.
Phone (after hours) 84-1381.



MACELEC
P.O. Box 1375, Wollongong. 2500
99 Kenny Street, Wollongong. 2500
Phone : 29 1455

ELECTRICAL
MECHANICAL
MANUFACTURE
and
SUPPLY



KENWOOD SM220 Station Monitor - Oscilloscope (1 only).\$ 310.00
KENWOOD BS5/BS8 Panoramic Adaptor for Above.....\$ 57.00
KENWOOD TS820S - The Ultimate - (1 only).....\$1175.00
KENWOOD TS520S - Most Popular -\$ 799.00
KENWOOD TR7500 2 Metre P.L.L. Mobile (1 only).....\$ 250.00
S.B.E. "Sidebander" 10 Metre Mobile.....\$ 150.00
KENWOOD R300 All Band Communications Receiver.....\$ 318.00
KENWOOD AT200 Antenna Coupler - S.W.R. - Power Meter-
-Coax Switch.....\$ 185.00
HANSEN Transformer Coupled Power Meter Reads True
P.E.P. and R.M.S. to 200 watts.....\$ 82.00
NAGARA V5JR Trap Vertical 80-10M.....\$ 150.00
CUSHCRAFT ARX-2 2 Metre Ringo Ranger.....\$ 49.00
HANSEN Dummy Load 30 watts up to 150 MHZ.....\$ 15.00
DAIWA FD30LS Low Pass Filter Cut Off Frequency 32MHZ
3 Stages - Top Quality.....\$ 20.00
Hi-Mound HK708 Morse Key.....\$ 21.00
HI-MOUND HK702 Morse Key Marble Base.....\$ 38.00
KENWOOD DG5 Digital Display for TS520S.....\$ 187.00
DAIWA DR7500 Medium Duty Rotator Fully Approved C/W
Circular Scaled Indicator.....\$ 199.00
DAIWA DR7600 Heavy Duty Version Of Above.....\$ 289.00
KENWOOD HC2 Hamclock.....\$ 34.00
KENWOOD TS7005P All Mode 2 Metre Transceiver AC-DC
Full Digital Readout.....\$ 812.00
KENWOOD TS120V 80 Thru 10 Metre Mobile Styling Similar
to TS820 But Much Smaller. Digital Display -
I.F. Shift - Noise Blanker - Analog Dial 25KHZ
Per Rev - Vox - R.I.T. - 30watt P.E.P.....\$ 630.00

CONTACT BARRY HARTLEY VK2FE

AS THE JAPANESE YEN IS STILL CHANGING
PRICES SUBJECT TO ALTERATION WITHOUT NOTICE.
ABOVE ITEMS NORMALLY AVAILABLE EX STOCK.

THE 10 METRE NET

The Net continues to grow. The attendance has been up to 10-12 Stations calling in recently. Some of the new stations calling in include VK2's, VGS, VIP, VEJ, VBD and VDM. Rick VK2DAP recently called into the Net from a portable location south of Jervis Bay using 10 watts rep to a 5' Helical. Ned VK2VEK has been doing a stirring job as MC on the Net from his location in Mangerton.

FOR SALE

1. Sweep Tube Linear 40-10 Metres. Uses pair 61Q6's in Grounded Grid. 200W Pep out with 10W in. \$150 ono.
2. Sidenbender 10 metre Mobile 96. Channels 28.120 - 28.8 Mhz. \$100.

SEE RICK VK2DAP

TELETYPE EQUIPMENT SALE

4 only Model 7B printers up and running at \$25.00 each.

7 x 7B printers at \$30.00 each.

The early bird gets the cheap machine! Lots of 7B machine parts available at below cost.

TAPE DISTRIBUTERS

Model 14 TD's have been hi-jacked by the club. These machines transmit a message from a pre-punched tape. Available at 50 and 75 bands, synchronous or governed, some with 240V motors. The club has scooped the lot. Price available at next meeting.

SEE RICHARD WILSON VK2ZVX

WICEN

The exercise for 31st, 1st April is one. We're hoping to see VK2'sZVX, AX1, BOU and BBG there. Note that no novices have come forward. A preliminary trip to assess requirements will be undertaken within the next four weeks.

STOLEN

The WICEN 2 metre 5/8 from atop the State Emergency Services building in Figtree. This aerial was supposed to have been supplied by the Club for WICEN use. Actually it belonged to myself. It was a temporary installation done by myself due to lack of assistance. End of lecture!

JIM VK2BBG

CHANNEL 0

Melbourne TV Channel 0 has been given approval to change its frequency to Channel 10.

The move affects GLV (Traralgon) Channel 10, which becomes Channel 8, and GMV's Alexandra translator, which moves from Channel 10 to Channel 11.

ATV's change of channel is expected to take up to 12 months to implement.

432 MHz REPEATER.

The Club repeater is now operational on a limited basis. Paul, VK2ZQT, now has the repeater operatin when manned during the hours of 6 pm to 10 pm daily. So far results have been very good and Paul in looking for more operators on the Band.

Frequencies of operation are - 433.225 MHz Repeater IN
438.225 MHz Repeater OUT

IARS STORE.

The following new items have been added to the stocks held.

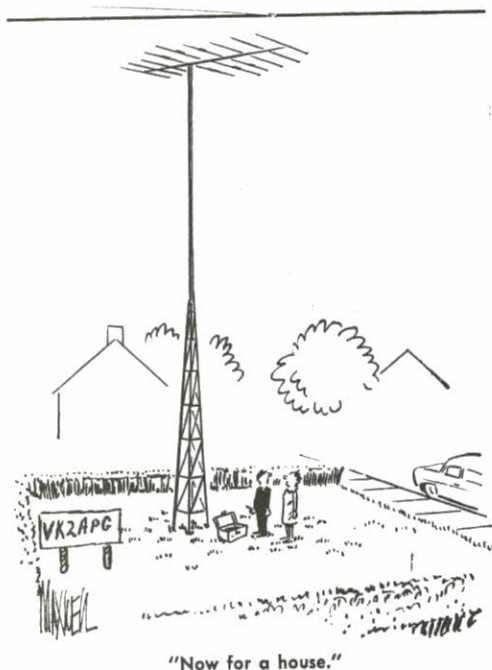
TOROIDS. . . F25. Small.....20c.
Large.....25c.

Ferrite Beads.... Large, F8, .. 10c.
Small, F25 .. 10c.

Feedthrough Capacitors, 0.001, .. 10c.

RF TRANSISTORS. ... SRF 1076, ... \$2.
SRF 1077, ... \$2.

INTEGRATED CIRCIUTS. Quite a number of types, but some
in short supply. 50c. each.



RTTY The Hard Way.



Murphy's Law:

If anything can go wrong, it will.

Corollaries:

- 1 Nothing is as easy as it looks.
- 2 Everything takes longer than you think.
- 3 If there is a possibility of several things going wrong, the one that will cause the most damage will be the one to go wrong.
- 4 If you perceive that there are four possible ways in which a procedure can go wrong, and circumvent these, then a fifth way will promptly develop.
- 5 Left to themselves, things tend to go from bad to worse.
- 6 Whenever you set out to do something, something else must be done first.
- 7 Every solution breeds new problems.
- 8 It is impossible to make anything foolproof because fools are so ingenious.
- 9 Nature always sides with the hidden flaw.

The Wireless Institute of Australia



Founded 1910



Founded 1910

THE UNITED VOICE OF AMATEUR RADIO

DOES IT SPEAK FOR YOU?

Give the Amateur Service a Stronger Voice

JOIN NOW!

**DON'T STAND BY AND WATCH US LOSE OUR
BANDS.**

CONTACT Geoff Cuthbert,
VK2ZHU, for further
details and Membership
Application Forms.

Moonbounce Report - March 1979.

An attempt to copy K3NSS by VK2ALU at home QTH, during an EME test on 3/3/79, was frustrated by rain and electrical storms. The test was being made on a rare occasion where the moon was in a suitable position for VK2.

It was hoped that the 85ft. dia. dish used by K3NSS would give a big enough signal to be copied via my 4 by 11 element Yagi array, with the 10GHz dish mount and tripod to get the elevation and azimuth mounting required.

Further opportunities to copy K3NSS via the moon may arise during the 2nd ARRL EME competition in April - May.

A sketch plan of the proposed Operating building for the new VK2AMW Moonbounce site has been forwarded as requested to the University of Wollongong.

Lyle VK2ALU.

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

THE PROPAGATOR

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Amateur Radio Society

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I.A.R.S. POSTAGE PAID WOLLONGONG N.S.W. AUSTRALIA 2500

MR.L. PATISON VK2ALU
98 HEASLIP STREET
WOLLONGONG

115

2500

I.A.R.S.

P.O. Box 1838,

WOLLONGONG, NSW 2500
