



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.

----- JANUARY 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, 12 February 1979.

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.

Moonbounce Report January 1979.

Application has been made by the University to various Authorities for relocation of the dish and EME facility. It will probably be some time before the paperwork involved is finalised.

70cm Opening to ZL.

During the VHF opening between the east coast of VK and ZL, VK2ALU heard the Palmerston North beacon on 432.25MHz between 2325 EST on 9/1/79 and 0015 EST on 10/1/79 at a consistent S4. It idents ZL2VHP using frequency shift keyed CW. Signals were taped. CQ's on SSB and CW produced no results. Maybe the ZL's had gone to bed by then!

A letter was received from ZL1THG of Hamilton NZ., reporting copy of VK2ALU on CW at strength S1-2 on 432.250MHz on 10/1/79. I was on between 0715 EST and 0745 EST, calling CQ on this frequency on CW, but heard nothing. ZL1THG called me, with 3 watts output, without success. VK2ALU was running 100 watts output to a 15 dB gain Yagi.

I did not know of the opening until I heard ZL's when I tuned across the 2 metre band at 2210 EST on 9/1/79. Earlier knowledge of the ZL signals could have produced a contact with one of their higher powered 70 cm stations. I listened and called again later on 10/1/79 and have monitored 432.250 MHz from time to time since.

Oscar Report.

Other activities including a holiday vacation, have resulted in me not operating on Oscar recently. Oscar 8 is believed to be the only satellite available for communication use at present.

Microwave Test on 16/1/79.

A test was made on the 10 GHz band on 16/1/79 between a station operating as VK2BYV portable on Saddleback Mountain, just south of Kiama, and VK2ZYM/VK2AHC at Collaroy Plateau, in the northern suburbs of Sydney. This test was designed to try an over-the-land path rather than the over-the-water paths along the South Coast, tried last year. No contact was made, possibly because of path obstructions at the Sydney end. 2 metres was used for liason. I was an interested spectator at the Saddleback end. All the 10 GHz gear used was made by Des Clift VK2AHC.

Lyle VK2ALU.

FEES FOR 1979

As most of you may be aware the facility that we have been using to produce this newsletter for the past number of years is about to be lost. We have been looking at three alternatives over the past couple of months and these are:-

- A Find another site for printing at the same cost!!
- B Employ a commercial printing enterprise.
- C Purchase our own printing equipment, new or used.

We still have a couple of avenues to consider in "A", but there is a strong possibility of having our newsletter printed at a cost of between \$15 and \$20 per issue.

It has therefore been suggested by your committee that the membership fees be increased to \$5 to cover this added cost.

It should also be noted that Ian 2ASN our current Editor-in-Chief has had to relinquish this position so we are now looking for a person (or group) who would consider taking on this most rewarding job for the next year. If you are interested please talk to Ian 2ASN or Geoff 2ZHU for further information.

DECEMBER AUCTION SALE

As all those present saw the auction sale was a most enjoyable evening with lots of goodies etc charging hands at a rapid rate (thanks to the Auctioneer and the Secretary for keeping records). However unfortunately the records are not complete and there are still a large number of lots sold for which we do not have the name of the original owner.

Would all those who were good enough to supply items for sale and have not yet been paid please see John and Geoff (Secretary and Treasurer) AFTER the meeting (during coffee time) and we will settle up.

MACELEC

You will note that MACELEC does not have an "ADD" in this issue. - This is a result of the robbery and fire and Barry is still getting back to normal. He has a lot of new stock in (some at the old price). Barry will have some fire damaged TRANIES for sale at the next meeting.

FOR SALE

KENWOOD 520 DC/AC Approximately 2 years old \$550 Contact DENNIS GOODLAND VK2NRQ Phone 044-22701 or PO Box 158, Nowra.

< MACELEC >
99 Kenny st. WOLLONGONG.
Phone 291455.

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.

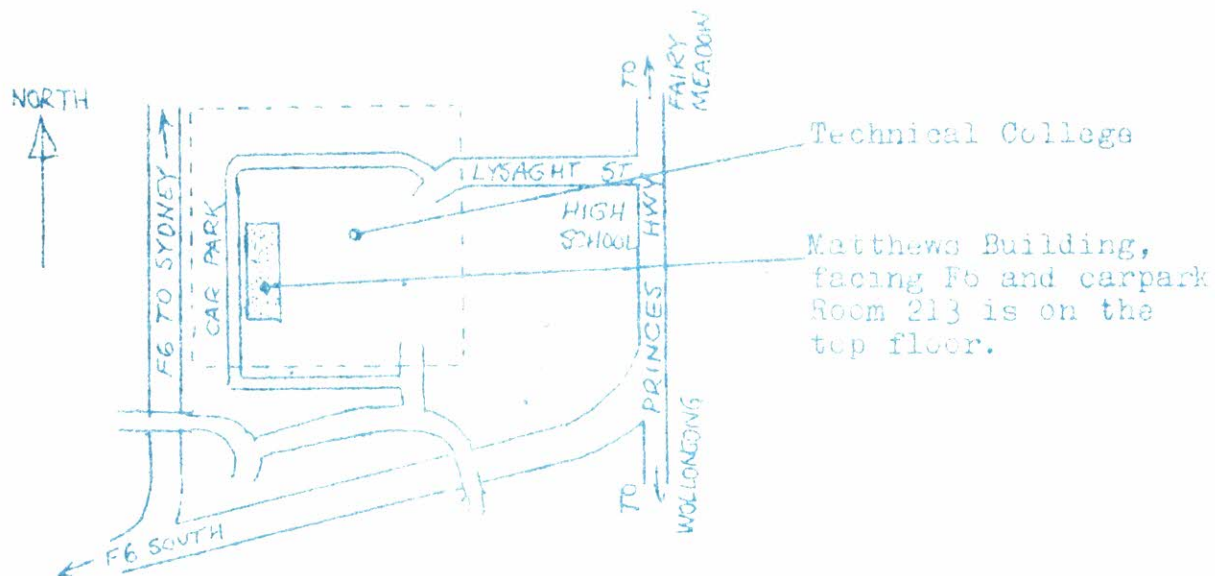
The School of General Studies at Wollongong Technical College is running an approved course in Electronics, which includes all the information and training you need to get your Novice, Limited, or Full Amateur Licence.

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.

to be changed in future channels will go up 250 kHz
 to be 50 kHz

NEW ZEALAND REPEATER SERVICE

700 kHz split

F.M. REPEATER CHANNELS

- Channel A : Input 146.20 MHz, Output 145.50 MHz.
- * Channel B : Input 146.225 MHz, Output 145.525 MHz.
- Channel C : Input 146.30 MHz, Output 145.60 MHz.
- Channel D : Input 146.350 MHz, Output 145.65 MHz.
- Channel E : Input 146.40 MHz, Output 145.70 MHz.
- Channel F : Input 146.45 MHz, Output 145.75 MHz.

ch G ← IN 146.50
 ch H ← OUT 145.80
 ← IN 146.55
 ← OUT 145.85

- F.M. Simplex Channels:
- Channel 1 146.00 MHz.
 - Channel 2 146.05 MHz.
 - Channel 3 146.10 MHz.
 - Channel 4 146.15 MHz.

most used

S.S.B. Calling Frequencies in New Zealand:

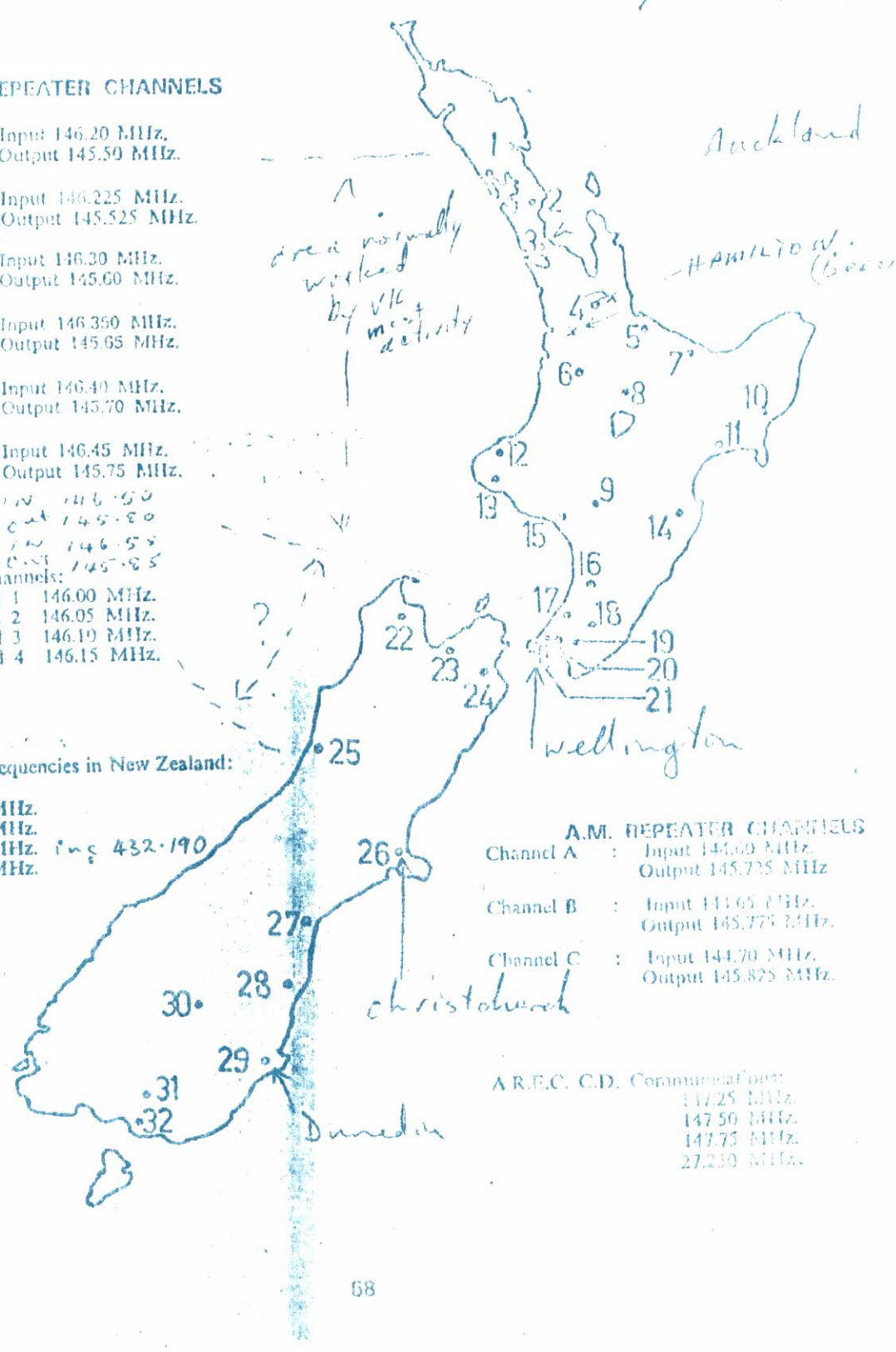
- 52.2 MHz.
- 144.2 MHz.
- 432.2 MHz. inc 432.190
- 1296.2 MHz.

A.M. REPEATER CHANNELS

- Channel A : Input 144.60 MHz, Output 145.725 MHz.
- Channel B : Input 144.65 MHz, Output 145.775 MHz.
- Channel C : Input 144.70 MHz, Output 145.825 MHz.

A.R.E.C. C.D. Communications

- 147.25 MHz.
- 147.50 MHz.
- 147.75 MHz.
- 27.230 MHz.



6 Metre Frequencies

F.M. Simplex 52.525 MHz

A.M. Simplex 51.600 MHz

70 cm Band Plan Frequencies

70cm F.M. REPEATER CHANNELS

| | | |
|-----------|---|---------------------------------------|
| Channel Q | : | Input 433.5MHz Output 438.5MHz |
| Channel R | : | Input 433.525MHz Output 438.525MHz |
| Channel S | : | Input 433.6MHz Output 438.6MHz |
| Channel T | : | Input 433.65MHz Output 438.65MHz |
| Channel U | : | Input 433.7MHz Output 438.7MHz |
| Channel V | : | Input 433.75MHz Output 438.75MHz |

70cm SIMPLEX CHANNELS

| | | |
|-----------|---|-----------|
| Channel 1 | : | 433.3 MHz |
| Channel 2 | : | 433.35MHz |
| Channel 3 | : | 433.40MHz |
| Channel 4 | : | 433.45MHz |

New Zealand Amateur Radio Beacons

| Call Sign | Location | Frequency MHz | Height A.S.L. m | Power Watts | Trustees | Mode |
|-----------|-----------------------------------|------------------|--------------------|----------------|------------------|---|
| ZL1VHF | Auckland Mt. Otari | 145.1 | 337 | 12 | ZL1HJR ZL1ADE | CW Ident once a minute |
| ZL1VHF | Auckland Mt. Otari | 433.10 | 337 | 20 | ZL1HJR ZL1ADE | AFSK |
| ZL1VHW | Waikato NZMS N66, 386392 | 145.15 433.15 | 305 300 | 20 10 | ZL1HAT D | AD, A1, A2 FSK FSK 400 Hz |
| ZL2MHF | Upper Hutt Mt. Clinic | 28.230 | 980 | 90 | ZL2AMH | PI call sign every 10 seconds |
| ZL2UHF | Wellington Hawkins Hill | 145.2 | 454 | 20 | ZL21AU ZL2BAC | Call sign and tele- metry, FSK |
| ZL2UHF | Wellington Hawkins Hill | 433.00 | 454 | 20 | ZL21AU ZL2BAC | Call sign and tele- metry, FSK |
| ZL2VHP | Manawatu Mt. Stewart | 52.50 | 135 | 15 | ZL2BFR ZL2AUU | 800Hz FSK |
| ZL2VHP | Manawatu Mt. Stewart | 145.250 | 135 | 20 | ZL2BFR ZL2AUU | 800Hz FSK |
| ZL2VHP | Manawatu Mt. Stewart | 433.25 | 135 | 15 | ZL2BFR ZL2AUU | 800Hz FSK |
| ZL3VHF | Christchurch Central City Site | 145.30 | 30 | 20 | ZL3RW | FSK |
| ZL4VHF | Dunedin Highcliff | 145.40 | 160 | 15 | ZL4DS | CW Ident once a minute |

The Wireless Institute of Australia



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.

NAME BADGES

The Committee is currently investigating the possibility of re-introducing the name badges as still worn by some members.

It is felt that these badges help identify members, and make it easier for everyone to know who-is-who.

The format of the badge will probably be:-

John VK2NHA
Illawarra A.R.S

The cost per badge is expected to be between \$2 and \$1.50, the final cost depending on the number ordered. The more we order, the lower the cost.

If you would like to have your own badge, please fill out the order form and hand it to John Doherty at the next monthly meeting.

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 based on the following details:

First name Call Sign

I.A.R.S.
P.O. Box 1838,
WOLLONGONG, NSW 2500

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