



THE PROPAGATOR



MONTHLY NEWSLETTER OF THE ILLAWARRA AMATEUR RADIO SOCIETY.
VOLUME - 86, NUMBER : 3 APRIL 1986.
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MEETINGS ARE HELD ON THE SECOND TUESDAY OF EACH MONTH,
(EXCEPT JANUARY) AT 7.30.PM. AT THE STATE EMERGENCY SERVICE,
BUILDING, MONTAGUE STREET, NORTH WOLLONGONG.
VISITORS ARE MOST WELCOME TO ATTEND MEETINGS

ELECTION REPORT

RE ELECTED TO OFFICE:-

At the 1986 Annual General Meeting of the Illawarra Amateur Radio Club held on the 11.March.1986.

Most of the last years committee were returned to office with only a few exceptions. The newcomers who have joined the ranks of committee are as follows:-
VK2VAV/YKQ Dave Henderson
VK2KAJ Tony Mowbray,
VK2ALK Les Kirchmayer, and
VK2PZY Dave Capon.

CONGRATULATION'S:-- To President VK2OB and the re elected committee. Good luck for 1986 - 1987.

Leaving for the U.S.A.

Member Dennis VK2DMR will be travelling overseas shortly to U.S.A.

While in America Dennis has promised to send over regular articles to be published in the Propagator. We all wish Dennis and family well in his new adventure and hope to hear him sometimes on the band.
Good luck Dennis.

Although there was a good roll up for the occasion, around 56 members, it appeared that not too many wanted to "get involved" in doing THEIR bit for the club. Club member Mike VK2DFK aired his thoughts on this touchy subject by giving the assembled congregation a good dressing down on the subject of belonging to a Club, but failing to get off ones Posterior to aid and assist in its running.

Good on you Mike. I applaud such Honesty and conviction.

On the brighter side of the meeting there was some very good slides shown (with some humorous remarks on the side) by CEC BOLTON (sec), he was accompanied by the

ARE YOU



FINANCIAL

WITH YOUR CLUB ?

TO RECEIVE THE PROPAGATOR
YOU MUST BE A FULLY PAID UP
MEMBER OF THE I.A.R.S.

SO DO IT NOW

ILLAWARRA ASTRONOMICAL
SOCIETIES president NICK
KICELUK.

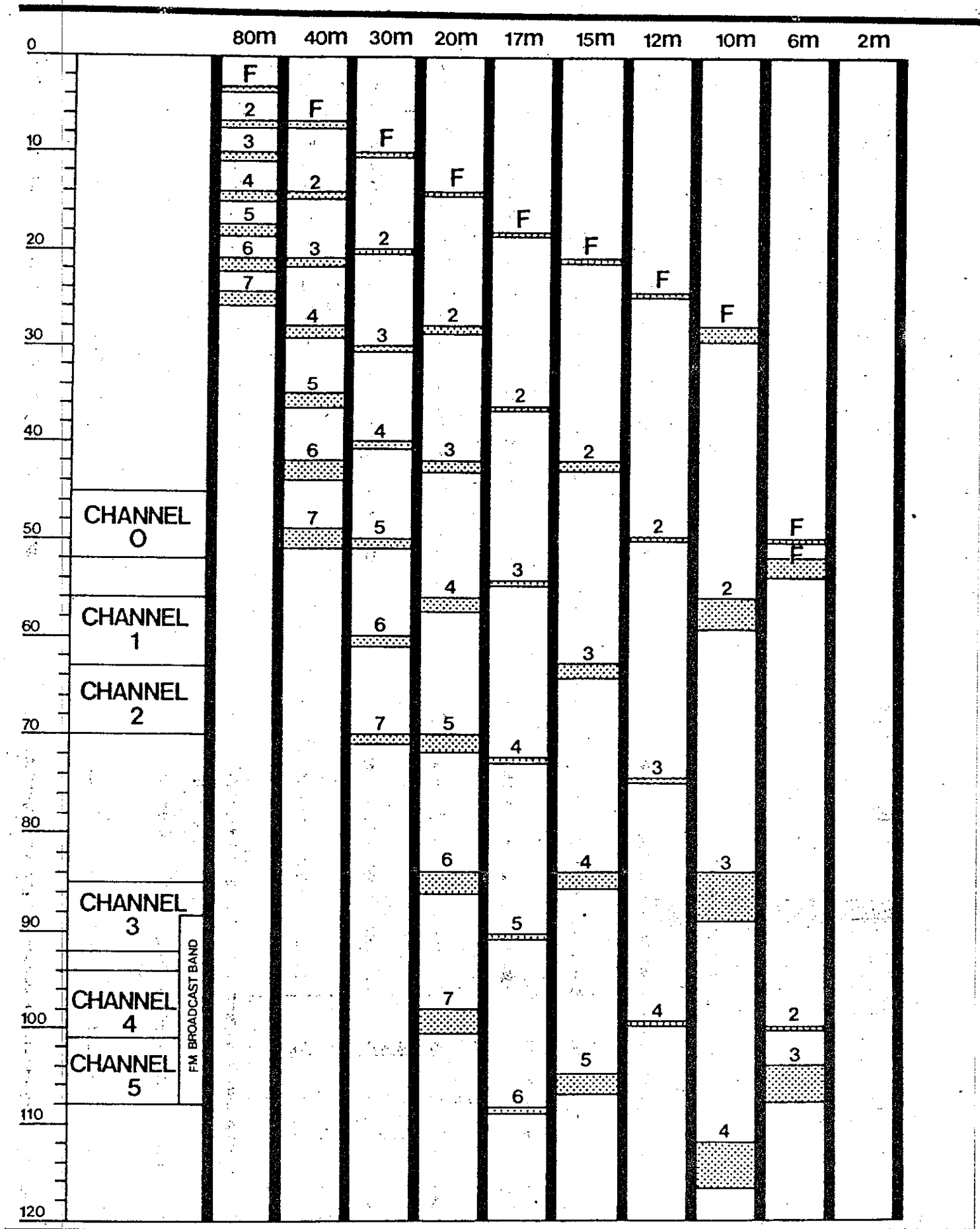
After the meeting had closed, quite a few of the members went outside to have a look through the telescopes that had been provided by the ILLAWARRA ASTRONOMICAL SOCIETY.

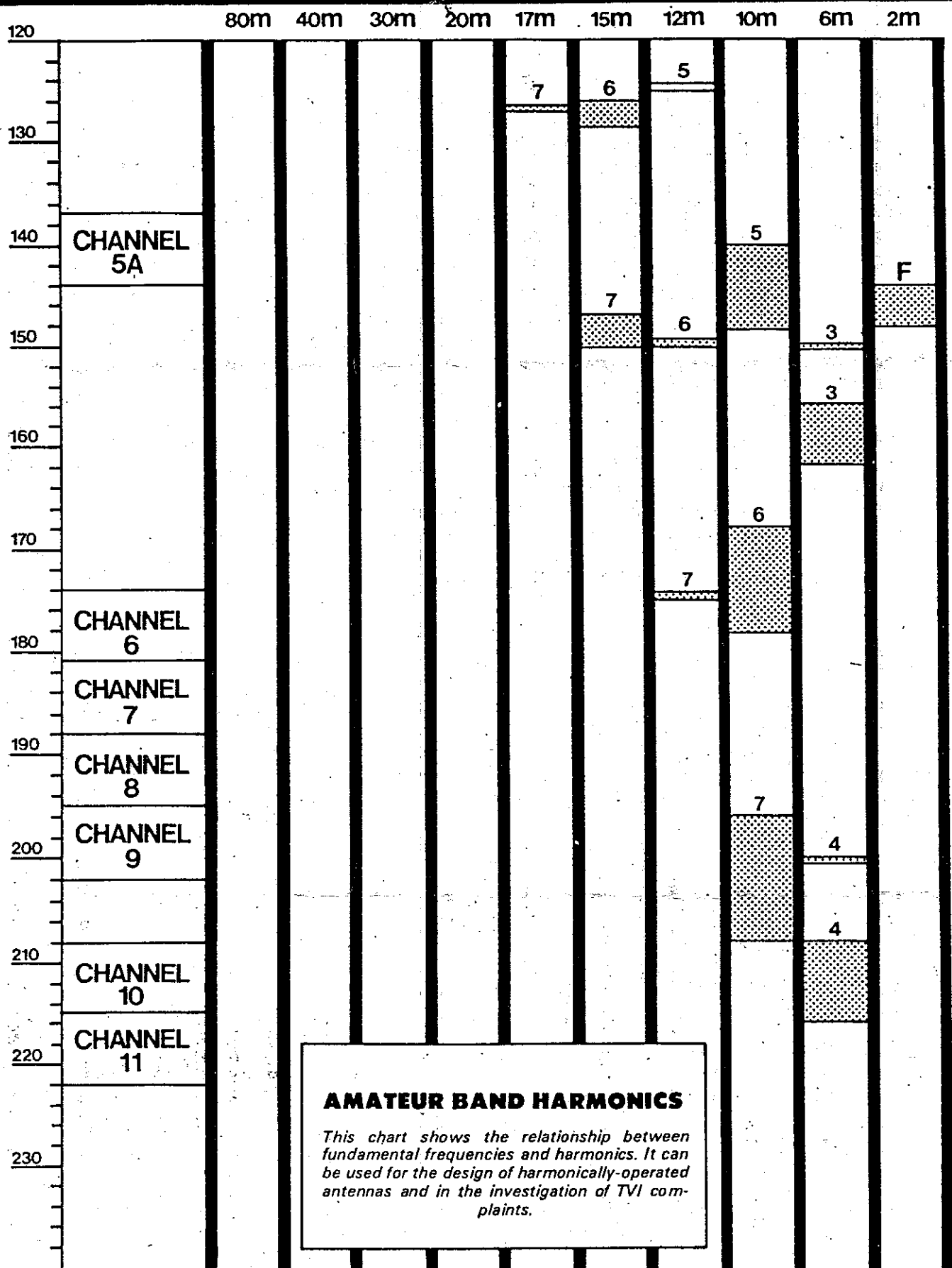
Round 02.

Leaving soon to start a well earned Holiday travelling around Australia is our well known "TEA PERSON" Ray VK2XCC/PHD.

It has been said by some club members that Ray felt he was being type cast in his role as a T.P. and with the money not being much (if any) decided to branch out for new horizons.

On the serious side Ray has been a real stalwart for the Club and I am sure that I echo the sentiments of all members when in saying that we will miss his smiling face and his Cockney patter (plus his tea & bickies) around the Club meetings while he is away. So good luck Ray on your trip and don't forget to get on the band when possible ??????





E.M.E. REPORT BY LYLE VK2ALU

Moonbounce Report

Security of the Moonbounce site is still our main problem. Another break and entry occurred last month. Nothing was taken because nearly all of the 'attractive' items have been brought home. Our proposed security protection system seems still to be some way off. If it is not available beforehand, then an 'expedition' will be made to the site over the weekend of 28/29 June in order to install the EME equipment, operate on 1296MHz EME on the morning of 29/6, then remove the equipment again. This is, of course, a most unsatisfactory arrangement but seems all that can be done under the present circumstances.

A short and somewhat unexpected visit was made last month to the QTH of ZL2AQE in Wellington, New Zealand. John is active on 432 and 1296MHz EME and has had some interesting contacts with his homemade gear. His 10ft. dia. dish is located in the front garden of his house and looks quite attractive to the eye of the EME enthusiast - Beats garden gnomes as decoration any day!!.

One evening provided 'the largest get-together of EME operators in the Southern Hemisphere' - not only ZL2AQE, VK2ALU and ZL2AZQ(ex G4KNZ) who was at one time with the Oxford University EME Group in UK, but also DK5AI who operates 2 metres EME in Germany, and who dropped in unannounced with his friend DL9AAK. Both were on a holiday trip around New Zealand and plan to come to Australia later. We did not get to bed real early that night! John provided me with some good ideas re optimisation of our W2IMU feed horn as well as other very useful information - mixed with some old style Kiwi hospitality.

Satellite Jottings. - as at 24th March.

The operating schedule for Oscar 10 has been modified again recently, with it being switched off from MALL0 to 129 because of poor sun angles. Otherwise it is much the same, with good Mode B signals on 'high elevation Apogee' days, mainly after Apogee. Mode L signals are very good compared with signal levels some months ago. Callsigns from some rather 'rare' countries are heard on Mode B on occasions.

Microwave Matters.

The opportunity was taken, while in Wellington New Zealand last month, to spend some time with Steve ZL2AZQ who was, as G4KNZ, the Equipment Supply Officer for the RSGB Microwave Group. Steve has been 'long time active' on 10GHz and 24GHz and has brought his 10GHz crystal controlled SSB gear with him to ZL from England.

Microwave activity in ZL is at a much higher level than in VK (they can also play cricket and 7 a side football better than we can!!). It includes 10GHz beacons in Wellington and Auckland and a 24GHz beacon in Wellington.

Steve supplied me with a large quantity of information on construction of crystal controlled microwave equipment and was very helpful with his detailed knowledge on the subject.

I understand that it should be not too many months before we should be able to purchase one or more comprehensive 'build it yourself' books for those amateurs interested in the microwave field. Let's hope that they help to spark a bit more enthusiasm in microwaves in VK - or does it have to wait until 'black boxes' are available for use thereon?

COAST-WIDE COMMUNICATIONS

LOT.B. LAWRENCE -
HARGRAVE ,DRV.THIRROUL

WE STOCK: CB RADIOS
CB AERIALS - COAX CABLE
MARINE RADIOS
TV - AERIALS , ETC ETC.
SALES AND SERVICE

OPPOSITE THE
SHELL - GARAGE
PHONE : 67 2134.

NEWTEK- ELECTRONICS

WE STOCK:
ALARMS - ANTENNAS
BOOKS - BOXES
COMPONENTS-COMPUTERS
HARDWARE - KITS - TOOLS
WIRE AND A LARGE RANGE
OF SEMICONDUCTORS FOR
THE PROFESSIONAL AND
HOBBYIST : 116 CORRIMAL
STREET . WOLLONGONG.
(JUST FROM HARP-HOTEL)
PHONE : 27 1620.

FOR SALE

The ILLAWARRA AMATEUR RADIO
CLUB has for sale the
following items:-

1--UPGRADE KIT (U.H.F.)
Price \$20.

1--POWER AMPLIFIER KIT
(U.H.F.) Price \$79.

P.S. At the next Club
Meeting there will be on
display and FOR SALE (at
ridiculous prices) a large
number of Electronic Goodies
ETC. made up in plastic
bags.

So don't miss out on the
NEXT MEETING for these
BARGAINS.

FOR SALE

VK2 JAM (Peter) has FOR SALE
the following:-

1--SYSTEM 80 (THIRD
GENERATION) COMPUTER.

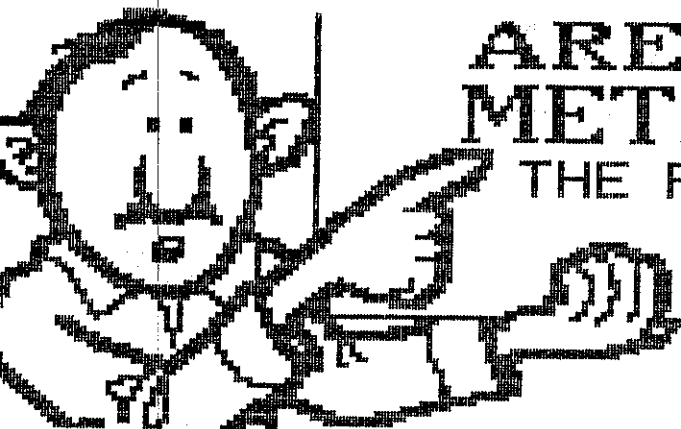
Also included are
instruction manuals.

All are in GOOD condition
and can be purchased for
\$200.

Call Peter after 6p.m. on
833743

FOR SALE

SERVEX: Sterilizer unit
(ultra-violet) for making
p.c. board ? going very
cheap \$5. apply I.A.R.S.



ARE YOU A TWO METRE * TERMITE

THE FOLLOWING IS REPRINTED
FROM THE
W.I.A. CALL-BOOK

Operating conventions for users of Amateur Repeater Stations

1. Purpose of repeaters:
 - 1.1 Repeaters are established primarily to extend communication range of mobile stations in VHF and UHF bands.
 - 1.2 Repeaters are also used as calling channels to establish initial contact, prior to the users switching to a SIMPLEX Frequency.
 - 1.3 Repeaters also provide contact facilities for amateurs in remote localities, where a simplex communication on VHF and UHF is not normally possible.
2. operating conventions:
 - 2.1 Each transmission should not exceed two minutes.
 - 2.2 Before replying, let the repeater "DROP-OUT" and wait at least THREE SECONDS before transmitting. This allows others immediate access to the repeater (see 2.5)
 - 2.3 Do not reset the timer to extend your own transmission time.
 - 2.4 Keep repeater contacts brief and to the point. If you have nothing to say, don't say it! Limit your group QSO to a maximum of TEN MINUTES.
 - 2.5 Let the BREAKER go ahead IMMEDIATELY. He may have an URGENT MESSAGE. (Refer Dept. of Communications Amateur Handbook page 33 - 34.) Breakers must wait until an "OVER" concludes before transmitting.
 - 2.6 Do not transmit on repeater output frequencies. Use reverse facilities only to observe another station's input signal strength. If satisfactory, then QSY to a simplex channel.
 - 2.7 Ignore annoying transmission not identified by a CALL - SIGN
 - 2.8 R.T.T.Y. and other coded transmissions are not permissible on VOICE-REPEATERS unless designated in repeater listings.
 - 2.9 The use of repeaters for liaison to establish a contact on another band is permissible, but cross band contacts using a repeater are not encouraged.

NOTE: Department of Communications Regulations require that all frequencies in use must be monitored and announced by both parties. Priority must be given to normal repeater usage.

SUMMARY:

All operators should be courteous and unselfish at all times, and always be aware of the needs of other people who have equal right to SHARE THE REPEATER. If you hear an operator who new to repeater operation, assist and educate him in a courteous manner, but make sure that you are correct first! Always be aware that others, including new amateurs, are monitoring repeaters.

THE IMAGE OF AMATEUR RADIO IS IMPORTANT.

NOTES: Recommended use is for guidelines purposes only.

REPEATER REPORT GRAEME VK2CAG

The repeater committee for this year is:-

VK2CAG	Graeme	VK2JAM	Peter
VK2EMV	Morry	VK2MT	Rob
VK2DFK	Mike	VK2EZY	Dave
VK2EXN	Ian		

This is a brief rundown of repeater happenings during the last year.

March 85. Much criticism on air about 6850 being on 20 second time-out because of energy shortage. Lack of funds prevented us from doing anything about the situation.

April 85. Energy problem continues until end of April, after which things are back to normal for the rest of the year.

May 85. All systems GO!!!

June 85. Savage storm caused damage to 8225, Hill 60 & 7275 at Sublime Point. Aerial damage to both repeater sites, but strangely, Mt. Murray survived.

July 85. Aerial damage rectified & Mt. Murray fitted with special 'Debeglass' insulated guy wires to protect the high gain collinear aerial.

August 85. Minor adjustment to duplexer at Mt. Murray. Cavities obtained for use in 70cm duplexer project in future.

Sept. 85. Aerial repairs at Hill 60.

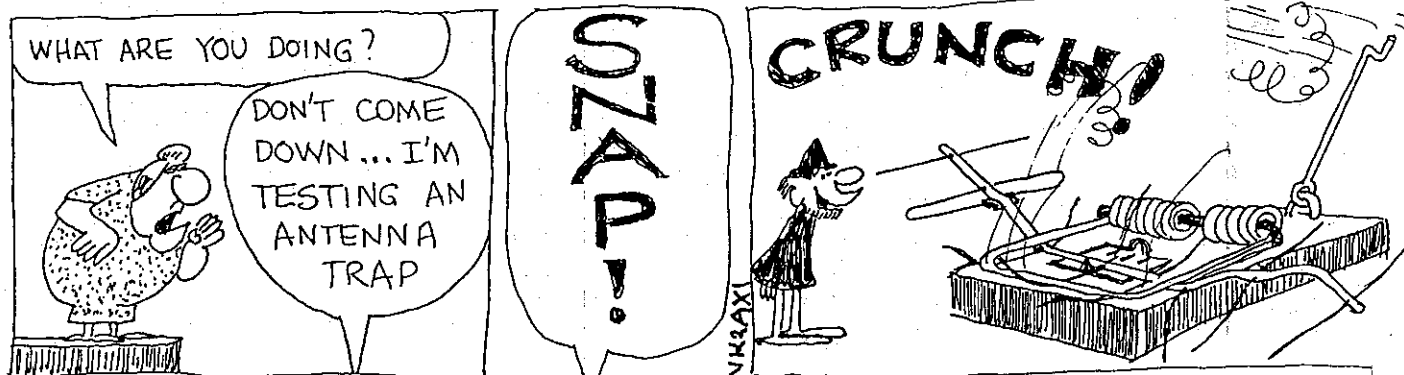
Oct. 85. 7275 developed a fault causing it to work on RTTY but not on voice. This was fixed (a faulty cmos chip) & back to normal in a couple of days.

Nov. 85. Energy shortage starts again as the windy season is over & 6850 set to 20 second time-out for periods to allow the battery to charge.

Dec. 85. An additional half-size (1 amp) solar panel on loan to us was fitted to 6850. This alleviated the energy problem to a great extent & much more useable air time resulted compared with the same period last year. Repairs done to guy wire system at Mt. Murray after suspected vandalism.

Jan. 86. Work commences on the duplexer for 7275. 6850 develops an unusual fault in the TX exciter, requiring all of the transistors to be replaced. Also, work finalized on guy wire system.

Feb. 86. Final application for a packet repeater at Mt. Murray submitted to State Repeater Committee. Work started on construction of the equipment to be used for the packet repeater.

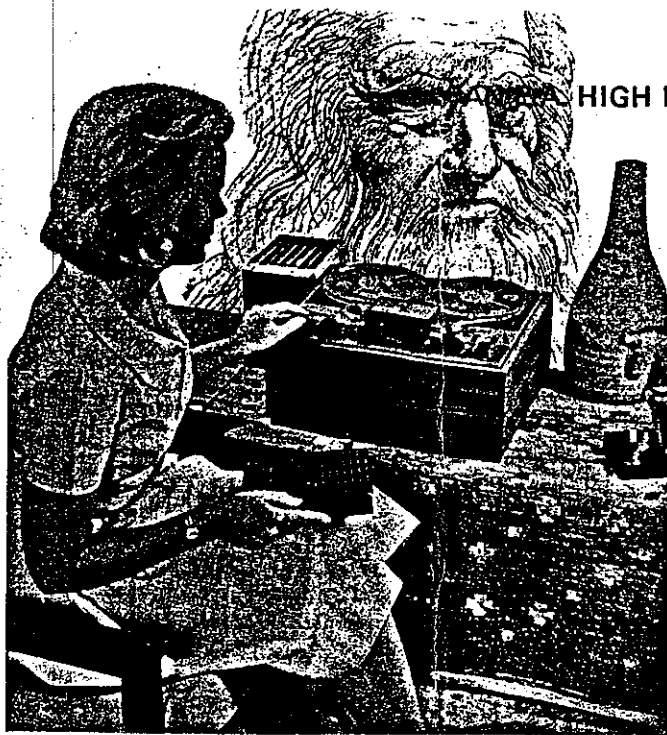


HIGH FUTILITY PROJECT:

SPOOK-EASY

elicit spirits in your own home

by Tung N. CHIQUE



If you own a tape recorder with a high-gain microphone channel, and a reel of unused tape, and have the wherewithal to make up a "little diode attachment", you stand a good chance of being able to make a worthwhile contribution to current research into communication with the spirit world.

Before we get involved in the practical aspect of this relatively unfamiliar subject, it may be appropriate to say something by way of introduction.

During the last decade, the subject of communication with the dead has been re-awakened by two books in particular.

In "Voices From Space" published in Stockholm in 1964, author Friedrich Jurgenson claimed to have recorded on ordinary magnetic tape sounds which were identifiable as voices of the dead.

The claim was taken up in the following year by Dr Konstantin Raudive who has recently published his own book "Breakthrough: An Amazing Experiment in Electronic Communication with the Dead".

In this latter book, Dr Raudive claims that he has made something like 72,000 recordings since 1965. Reportedly, the recordings are not of "BBC quality"; they tend to be very short phrases, sometimes little more than a gabble "all covered by background atmospherics and the noise of the tape itself".

While Raudive's enterprise must be admired in making and studying 72,000 recordings, few would be able to match the effort in forming their own private opinion. Reportedly, a heavily edited version of the recordings is to be offered as a long-playing album.

The EMI label would suggest itself as appropriate, standing in this case for "Electroacoustic Mirror of the Intangible".

There is some talk of a rival recording to be issued, under the acronym DECCA: Definitive

Whether any or all of these recordings will be submitted for review in our columns is not clear but, if they are, they will be closely inspected.

In point of fact, speculation about communication with the dead by wireless is almost as old as wireless itself. As soon as people realised that it was possible to pick up voices from space, they began to speculate as to the possibility of receiving emanation from the departed, using broadly similar apparatus.

The very term "ether", whence radio signals supposedly came, supported the idea of ethereal communication.

Reduced to a purely technical level, such speculation posed a multitude of questions:

If the spirits do transmit, what frequency band do they use?

What would be the power level of the signals? Assuming that it could not be expressed in watts input to the final, what would be the field strength produced at a typical receiving location?

What mode of transmission? CW, AM, FM or single sideband?

Would the spirit transmissions cause, or be subject to, QRM?

For the authorities, there were potential problems of administration. Would the spirit "operators" ultimately have to be licensed by their country of origin?

Would they — or should they — hold a commercial, CB or amateur licence?

If amateurs, would they be issued with full, or limited, or novice licences?

What of third-party traffic, a facility already offered by mediums not relying on wireless apparatus?

Many of these questions were largely academic, of course, in the early days of wireless, when there was less emphasis on frequency allocations, licences and methods of modulation. The motivation was to establish communication first and argue later about technical and administrative details.

During the 1940s, the late Sir Ernest Fisk often discussed in private conversation the possibility of communicating with the spirit world by wireless. This would have been 20 years at least before Jurgenson became involved in the same subject.

The ideas of Sir Ernest might have been known only to a select few, had it not been for an occasion when he voiced them in a public gathering before members of the Press.

Some took his prognostications seriously, others in jest.

However, someone did manage to smuggle from the AWA Drawing Office a copy of a diagram which was so hush-hush that it never did appear on the official list of company projects. At this remote date, it would not be breaking any technical confidences to reproduce it.

What you see on the facing page is a recreation of a much-copied copy which came into the hands of one of our staff members some years ago.

In short, what Jurgenson and Raudive have to say may be interesting but let's not regard them as pioneers of the spectral spectrum. Matters to do with the "up top" have long since been examined "down under".

Without denigrating their efforts, Jurgenson and Raudive have the ability to pursue their research using equipment and techniques which would have been quite out of the question in the mid-40s.

Raudive's claim of 72,000 recordings is impressive enough, even on the basis of slow-speed tape.

But imagine the problem of making and storing 72,000 recordings 25 or more years ago, using 16-inch 33rpm vinyl masters. Beside such an effort, the classic "Dad and Dave" series would have been a drop in the bucket; a mere corner in the catacombs.

In the interim, other things have happened right here in Australia which could have taken their place in history had we displayed the initiative to collect and collate them into a genuine scientific text.

To quote just one example, there was the classic occasion when the original

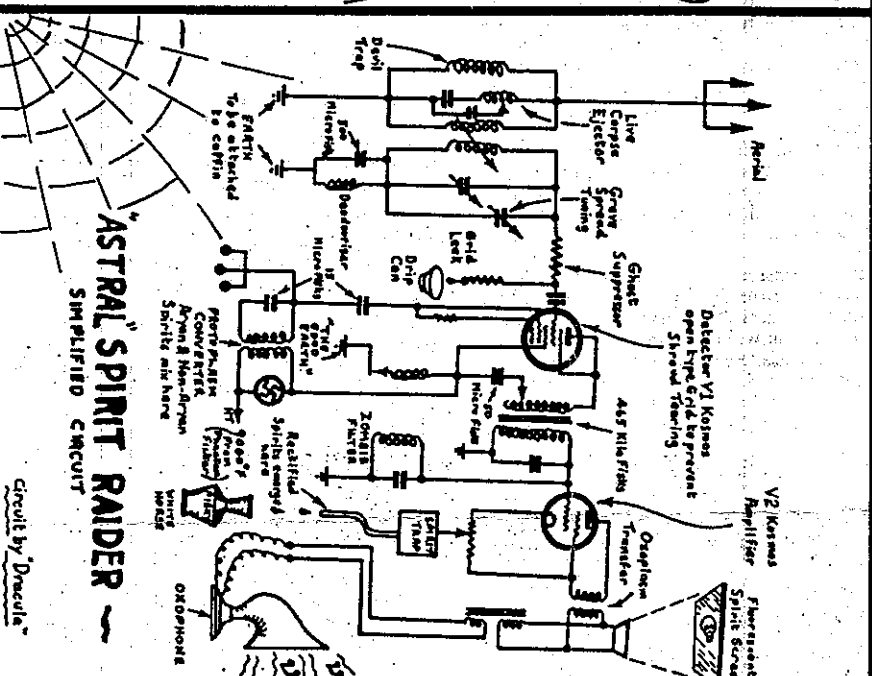
Stromberg/Playmaster electronic organ was being played at a wedding in a Sydney suburb. The service had proceeded normally until the vows had been sworn. At that instant, a voice through the organ amplifier system was heard to say, very deliberately, and very distinctly: "Where do we go from here?"

Technical people present offered the all-too-facile explanation that the voice came from a radio-controlled hire car that had just arrived outside to pick up the bridal party. To objections that the organ amplifier had no RF tuning system and no detector, they came up with more facile mumbo-jumbo about residual

FOOTNOTE: The equipment pictured at the head of this article is an early model of an AMPEX, a term coined from the initial letters of the phrase "Apparatus for Monitoring Phenomena Emanating from Xoplasms".

Ethereal Cacophony from Capricious Antecedents.

And there is also something in the air from D.G.G. (Demonstration of Ghostly Gibberish). Their technical people can produce suitably convincing sounds but the sales section seem slow to get into the spirit of the enterprise.

[illegible]

SALES DATA

"The Fisk" Astral Spirit Rider :-
Enter the Spirit World with a "Fisk" on
"Fiskette" Model Astral Transceiver.
Coffins fitted free of charge .
Easy Interred Payments.
To be used only at your own Fisk.
Order early for Xmas.

FIELD WEEKEND

THE I.A.R.S. FIELD WEEKEND
will be coming up in a
couple of months time (28th
to 29th June 1986) so
remember the date.

The field weekend will be held on the EME site WEST of WOLLONGONG. Tony VK2 KAJ will be organising this event and would appreciate any help that Club Members could give him.

For more information on this event, please contact TONY on 285296. All contacts would be appreciated.

non-linearity and the possibility of high-gain audio circuits rectifying and reproducing strong carrier-borne signals.

But such explanations ignore the emotional stresses that are present at most weddings; the trepidation about a future that might be better known to spiritual rather than to physical onlookers.

And there is the singular appropriateness of the question asked! More recently, there has been a spate of complaints about audio tones being heard through hi-fi amplifiers and public address systems. Again the technical fraternity have been all too ready to blame the electricity supply authorities, who impose audio control tones on their mains. But the authorities are adamant that the control tones are at such low level that they could not possibly penetrate audio circuits. They freely admit their own innocence.

What the technical fraternity conveniently overlooks is that the mysterious tones have the deliberate, measured quality of very slow Morse Code — the kind that might be produced by someone operating under a novice type amateur licence.

Perhaps the effort put into line filters, &c., would have been better directed to recording these tones so that they could have been allocated their own track on an ASTOR label: Australian Supernatural Telegraphic and Oral Radiations.

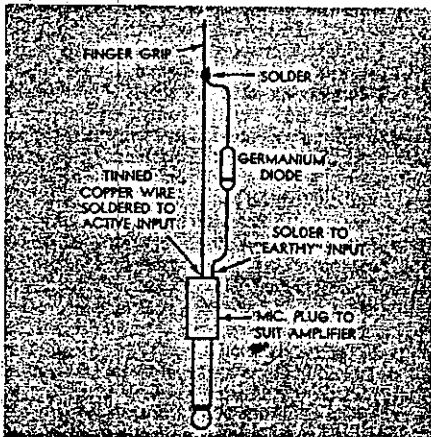
But enough of the background material.

To conduct your own investigation, you will need an audio system with a high-gain microphone channel. The higher the gain the better since it will ensure, not only the ability to resolve very weak signals, but it will also supply its own white noise—an appropriate background to the spectral phenomena.

There is an obvious advantage if the high-gain audio system is an integral part of a tape recorder. It will operate unattended, leaving you free to have a few contacts on the air from another room, if you happen to be involved in amateur, mobile, marine, or CB type transmissions.

The tape can later be examined at leisure. Any spectral signals which happen to have appeared can then be edited and dubbed on to another tape so that interested parties can hear in minutes what it may have taken hours to record.

Listening time can be conserved even further by speeding up the original tape when copying. A couple of layers of adhesive tape around the capstan spindle will allow this to be done on a temporary basis. Because of the bumps in the wrapping, the recording may tend to waver, as well as being raised in pitch but the attentive listener should still be able to catch as many



A suggested method of constructing a "little DIODE" (Device for Interpolation of the Deceased, Et cetera).

NOW RAUDIVE—20 YEARS LATER



FROM
PEOPLE MAGAZINE
JANUARY 17, 1951

In 1932 he was one of an independent committee set up by a Sydney newspaper to investigate spiritualism and the mediums who practised it.

He saw and listened to a great deal of hocus-pocus which did not impress him but, none-the-less, he believes firmly in life after death and has invited criticism occasionally by suggesting that communication with those who have left this world may be possible.

FROM THE
SYDNEY MORNING HERALD
FEBRUARY 4, 1944

The Managing Director of Amalgamated Wireless (Australasia) Ltd, Sir Ernest Fisk, addressing the Legacy Club yesterday, expressed his conviction in the possibility of communication with the spirits of "departed comrades".

He said he did not wish to be dogmatic, but evidence was accumulating as a consequence of study by leading physicists that the spirits of the dead inhabited the ionised ether beyond the earth's atmosphere and that, eventually, there might be discovered a wavelength which would make communication with them practicable.

words as he wants to.

The accompanying diagram suggests a form which the "simple diode attachment" might take.

Obtain a plug which will fit the microphone socket of your recorder. Push a piece of tinned copper wire into the active pin and solder it in position. Make sure to leave the tinned copper fairly long, as shown.

Mount a germanium diode, so that the very tip of one lead contacts the earthy side of the microphone socket. The other lead should be soldered, also at its very tip, to the tinned copper wire. This method of construction minimises the risk of heating the germanium element.

The diode should be connected with the banded or "cathode" end adjacent to the plug. It will thus be readily seen as an access path by those who have lived and died in the era of conventional or traditional current flow.

The diode device can be used in this form but you may wish to enclose it in some kind of a shroud. If you do, make sure to use a plastic or other non-metal container. Since metal shielding would block ordinary radio energy, it is reasonable to assume that spectral radiation could be similarly affected.

If the "little diode device" does not seem to respond to emanations on its own, try gripping the tip of the wire with your moistened fingers. It is just possible that your body may have the necessary capacity, at least at medium frequencies.

There will be a certain randomness about

"If our friends do exist, we shall not have to go into dark rooms to communicate with them" he says. "We shall have an apparatus which will give us regular and reliable communication." This brought immediate and vehement contradiction from various churchmen, who seemed to dislike the ideas of their dead grandmothers fiddling with an apparatus in some ghostly world.

Fisk speaks with such seriousness of communication with the dead... that even the most sceptical are impressed. He tells intimate friends of conversations with one of his sons who was killed during the war. He also talks with Marconi who died in 1937, and was godfather to his youngest son. Thought transmission interests him, and he can envisage defiance of space and time through human identification with a universal mind.

what you may hear but don't jump to obvious conclusions.

When testing our prototype, we heard a brief snatch of music followed by the phrase "This is the seven revolution."

"Seven" may well have been the code name of an old-time spiritualist, turning in his grave with dismay at those who insisted that what we heard was a breakthrough from a local television station!

Speaking of television, this is an area which is wide open to local initiative.

There seems to be no basic reason why the departed should not make use of video as well as audio channels. They would, of course, need to structure their signals into the appropriate line and field system. This may pose a special problem for those who pre-dated the determination of standards, or who are stuck with standards inappropriate for the country they wish to contact.

But the idea should not be dismissed.

The approach would seem to be to tune a standard television receiver to a blank channel, turn up the contrast and brightness as necessary and carefully study the noise pattern in search of some kind of coherence.

If you do happen to notice a shadow flicking across the screen, it could be anomalous reception of some distant television station.

Or it may have something to do with the image response of the receiver itself.

But again, it could just be the spirit of Nipkov testing his 625-hole, interlaced, shadow-mask type scanning disc.

ON THE NET

Coming on the Illawarra net on Sunday 23rd March was Neil VK2JNC, Calling in on portable from Ballina. Also Dave VK2DWR from Batemans Bay gave us a quick hello but unfortunately was not coming in to good from his

locale (due to circumstances beyond his control) and had to say 73's early to the group. Also on the net was VK2MT (Rob), VK2EXN (Ian), VK2KAJ (Tony), VK2EBI (Kevin), VK2EMV (Morry), VK2PXY (Fred), and VK2JAM (Peter). Thanks lads for showing up and for making an interesting 1 hour 15 min. conversation.

SO THE STORY GOES

The story goes of a "HAM" who was fed up with his xyl's continuing nagging. One day while at his favorite watering hole, he met and engaged in conversation with a stranger, and after a few drinks told the stranger his problem.

The stranger told the "HAM" that if he wanted to get rid of his xyl that he knew of a footballer named "ARTY" who would dispose of her for \$1.00. If he could do the job when playing a game near the "HAMS" apartment. So all was arranged.

Next Saturday "ARTY" left the football ground during half time, and going straight to the flat number given him. He knocked on the door which was opened by the "HAMS" XYL.

ARTY put his hands around her throat and choked her to death. On turning away from the door he found another woman behind him who had seen what he had done, so "ARTY" also grabbed her by the throat and choked her to death. "ARTY" arrived back at the ground just before the second half of his game had started.

The "HAM" was very happy with the result and collected the insurance money on his xyl and thought he was in the clear.

His happiness was short lived, because on driving around a curve in the road a few days later he saw a sign up which said ARTYCHOKES 2 for a dollar

LUCKY WINNERS

WINNERS OF THE GUESSING COMPETITION was as follows.

1st prize went to W.CURLE. (TICKET NUMBER-1306).

2nd prize went to D.ROUTLEDGE (TICKET NUMBER - 1002).

3rd prize went to B.DUNCAN. (TICKET NUMBER - 1075).

The ILLAWARRA AMATEUR RADIO SOCIETY wish to thank all who took part in the above competition. To the winners our congratulations to the losers our commiserations.

NEXT MEETING

At the next meeting of the Illawarra Amateur Radio Society there be a video showing for the enjoyment of members and visitors who have attended the meeting.

There will also be raffled the following :-

- 1st prize tray of meat.
- 2nd prize chook.
- 3rd prize chook.

So roll up and support your club in its activities. The committee will be talking on a SPECIAL SUBJECT at this meeting, and anyone not attending could possibly miss out on something that could be to their own PERSONAL advantage.

WANTED URGENT

Have you anything that you feel could be of interest to your fellow club members.

This could be a piece of home brew, a circuit for a "thingamebob" or just a piece of information on how to pass the exam.

Any of these items and anything else no matter how small will be appreciated by me, so that it can be inserted into the "PROPAGATOR".

At the moment I am scratching around to find items to make up the pages of your publication. If you have anything please posted to the clubs box number (see back page) or phone me on 849872.



THE ILLAWARRA AMATEUR RADIO SOCIETY

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



MEETINGS: Are held every 2nd Tuesday of the Month except January, at 7.30.p.m. in the S.E.S. Headquarters, Montague street, North Wollongong.

REPEATERS: VK2RAW - 146.850. - (VOICE) VHF Mt Murry.
VK2RIL - 147.275. - (VOICE & R.T.T.Y) VHF Sublime Point.
VK2RUW - 438.225. - (VOICE) UHF Hill 60 Port Kembla.
VK2RIL - 438.725. - (VOICE & R.T.T.Y) UHF Sublime Point.

BROADCAST: On Sunday evening prior to the club meeting, at 7.30.p.m. R.T.T.Y. Mode, and at 7.15.p.m. on voice. Transmitted on 147.275.VHF, and relay on 3.562.Mhz. Callbacks will be taken after the voice broadcast.

W.I.A. RELAY: On 146.850. at 11.00.am. and at 7.30.p.m. each Sunday.
CLUB - NETS: On 3.562.Mhz. SSB on Sunday at 8.00.p.m. and a slow morse net on 28.440.Mhz. on Tuesday evenings at 8.00.p.m.

NEWSLETTER: "THE PROPAGATOR", published monthly to reach FINANCIAL-MEMBERS in the week preceeding the club meeting. All articles, adds etc, to the editor must be in, or try, by the 3rd Tuesday each month.

MEMBERSHIP: The Secretary, I.A.R.S., P.O.Box.1838. Wollongong. 2500. Full membership is \$10 per annum; students & pensioners concessional members \$5 per annum.

AWARDS: The award of the Illawarra Amateur Radio Society is the LAWRENCE-HARGRAVE-AWARD. VK stations require 10 contacts with I.A.R.S. members. Overseas stations require 5 contacts with I.A.R.S. members. A contact with VK2AMW is sufficient for the award. Band-details, date, frequency, station worked and \$2 or 4 I.R.C.'s. to THE AWARD-MANAGER, I.A.R.S., P.O.Box. 1838. WOLLONGONG.2500. No QSL-CARD is required.

STORE: The club store operates at each club meeting. by COMMITTEE-MEMBERS.

COMMITTEE:

PRESIDENT	VK2OB - KEITH CURLE. 24. Beach Drv, Woonona.
VICE-PRESIDENT	VK2DYU- BILL CHADBURN. 45. Beltana Ave, Dapto.
SECRETARY	VK2EJH- JIM HAYES. 1 Kathleen Cres, Woonona
ASSISTANT-TREASURER	VK2XGC- ANDREW McEWAN. 7 Nioka Ave, Kieraville.
ASSISTANT-TREASURER	VK2VAV-YKQ-DAVE HENDERSON.8.Gladstone st.Bellambi.
AUDITOR	VK2ZHU- GEOFF CUTHBERT. 1 Nioka Ave, Kieraville.

GENERAL-COMMITTEE: VK2EXN- IAN CALLCOTT. VK2KAJ- TONY MOWBRAY. VK2MT- ROB McKNIGHT.
VK2ALK-LES KIRCHMAJER. VK2DWR-DAVE ROUTLEDGE. VK2JAM-PETER WOODS.
VK2OE-WOJCIECH TOMCZYK. VK2BMH-MARTIN HUTCHINGS.

REPEATER - CHAIRMAN: VK2CAG - GRAEME DOWSE.

REPEATER - COMMITTEE: VK2EXN - IAN CALLCOTT. VK2EMV - MORRY.v.d.VORSTENBOSCH.

VK2DFK-MIKE KEECH. VK2MT-ROB McKNIGHT. VK2JAM-PETER WOODS. VK2EZY-DAVE COLLESS.

QSL-CARD'S OUT : VK2EXN - IAN CALLCOTT.

QSL-CARD'S IN : VK2DWR - DAVE ROUTLEDGE.

E.M.E. CO-ORDINATOR: VK2ALU - LYLE PATISON.

PUBLICITY - OFFICER:

BROADCAST - OFFICER: VK2KAJ - TONY MOWBRAY.

CARTOONIST : VK2AXI - BRIAN WADE.

PROPAGATOR-EDITORS : VK2PZY - DAVE CAPON.

VK2EJH - JIM HAYES.

PRINTERS : VK2DFK - MIKE KEECH.

VK2EMV - MORRY.v.d.VORSTENBOSCH.

LIFE - MEMBERS : VK2CAG-GRAEME DOWS. VK2OB-KEITH CURLE. VK2ALU-LYLE PATISON

SUNDAY - EVENING - CLUB-NET - ROSTER:

FIRST SUNDAY OF THE MONTH : VK2MT - ROB McKNIGHT.

2 nd SUNDAY OF THE MONTH : VK2KAJ- TONY MOWBRAY.

3 rd SUNDAY OF THE MONTH : VK2PZY- DAVE CAPON.

4 th SUNDAY OF THE MONTH : VK2DWR- DAVE ROUTLEDGE.

5 th SUNDAY OF THE MONTH : VK2EBI- KEVIN MURPHY.