

TASMANIAN AMATEUR RADIO

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Category B.



*Bulletin issued by the North, North West and
Southern Branches of the Wireless Institute
of Australia, Tasmanian Division.*

P.O. BOX 275
LAUNCESTON
TAS. - 7250

JULY 1980 VOLUME 10 No. 6

Meetings South 2nd North West 8th North 11th Council " on air " 25th, 8pm,
3590 Khz ssb.

EDITORIAL

Writing an editorial is a difficult task at the best of times in trying to avoid contentious issues that may brand one as a "Stirrer" or equally, as a negative thinker producing a non event.

It is doubly difficult following the objectives of the North by Reg VK7KK and the eloquence of Barry VK7NBA from the South; However the thought of both the field day and the participation aspect brings to mind the large number of newer members present at the Port Sorell mini Hamfest in 1979 who were absent this year.

It seems that even though we talk to each other and "Communicate" we do not really know each other as people who share a common hobby.

Whilst Translating participation in a State Field Day to a reality, perhaps we could use the coming TARC as a preparation ground and make every effort to attend.

Here would be an opportunity to get to know more amateurs and to set up the planning group and a structure for participation in a State Field Convention.

SOUTHERN BRANCH NOTES.

First of all it was encouraging to get such a good response to the advert in QRM for the Southern Branch Store. We had enquiries, orders and purchases from all Branches. The Southern Branch Executive is in the process of building up the stock so that we can satisfy most, if not all, needs. We feel that the store is one of the biggest advantages members have through their WIA membership.

The June meeting was well attended and I believe everyone had a good time. During the business part of the meeting a discussion arose about gaining permission to erect a tower . . . Sam VK7NSG told us about the troubles he was having with the council and neighbours. From the discussion it would seem to be a good idea, when thinking about a tower, to discuss it with other amateurs as much as possible before seeking official approval. Their experience may save you a lot of heartache.

We also saw the Videocassette of the 7JIRL DXpedition. Apart from a cassette prone to jamming all the way through I think most people found it interesting and hopefully entertaining.

To round the evening off we had an auction. Harvey VK7HK as probably our most skilled auctioneer managed not only to sell the articles but to make it entertaining at the same time. The whole lot was cleared and about \$67 went to club funds. Thanks Harvey for your help.

Its the end of the financial year and at the next Southern meeting we will have a Treasurers Report. Also perhaps a talk and possibly a demonstration of Resuscitation Techniques for use in the case of electric shock.

A reminder about the next WAGS event. BINGO ON THE 4th JULY. Not only Bingo but Computer Bingo. Tom VK7TM is arranging the equipment for this and it should be interesting to see how it works out.

Well, thats it for now. 73 to all VK7s from the Southern Branch.

Barry VK7NBA.

FOR SALE. Filter coils to suit I.G.L. receiver, VK7ZRF

Phone 982361.

NORTH WEST BRANCH NOTES.

The usual well-attended meeting was held on JUNE 10th 1980, there being a total of 28 members and 1 visitor.

MINUTES of the last meeting were read by the Secretary and adopted.

TARC 1980 A committee meeting was held at the home of Peter VK7BQ and XYL Joan, on Sunday June 8. A lot of valuable ground was covered, and details were outlined to members. At the conclusion of the meeting, the ladies served a most tasteful afternoon tea, after which, Peter showed the group some of his HOME BREW capabilities. The writer, along with several others, displayed interest in his latest effort. This was not the usual 2 Tone Grey device, but something of a different colour. Many glowing remarks were made to Peter in praise of its construction.

S.E.S. A discussion was held at the Branch meeting regarding the N.W. Branch affiliating with S.E.S. A vote to this affiliation was taken, which was carried unanimously.

QSL BURO Don VK7NDP advised that this section is now working so well, that no internal postage is now necessary.

CORRESPONDENCE INWARDS. A letter was received from VK3QQ X G3-LMT, regarding suppression of Power Line QRM. A letter was received from the Penguin High School, offering use of Computing facilities after school hours.

OUTWARDS. Details were presented to members.

WINE AND CHEESE evening to be held at the home of Peter VK7BQ and XYL Joan on July 19th at 8pm.

ACTIVITIES Tony VK7AX, gave a most interesting illustrated lecture on the ATV and FM Repeaters, giving details of the site on MT. DUNCAN - the highest peak on the Dial Range. The Branch has been granted a 5 year lease of the site.

Details of the installation and associated equipment was given, Tony also advised that colour transmission is also proposed. So as not to upset any environmentalists, the Tower is even going to be painted to blend in with the scenery. The environmentalists may be comforted to know, that in the event of any emergency, this equipment could be pressed into service - Painted Tower and all.

Tony was thanked for his most interesting lecture. Supper, served by Burnie members, concluded a most enjoyable evening.

P.S. I made mention in last month's notes, that one of Australia's Grand Old Men of Radio - MAX HOWDEN, VK3BQ, hopefully was going to attend TARC 1980. I regret to advise that this now will not be possible. Max is now a SILENT KEY.

VY 73 Till next month

Jim VK7NOW.

NORTHERN BRANCH NOTES.

The monthly meeting of the Northern Branch was held at Bourke Street on 13th June. The meeting was chaired by Reg, VK7KK with about 25 members present. No doubt the very cold weather kept some away as there were numerous apologies. Vote of thanks to Brian for setting a roaring fire - much appreciated as the wiring for heaters is yet to be completed.

In inward correspondence, a letter was received from Bill 7TE, relinquishing his position as clubroom manager. Robin 7RH informed the meeting that he believed that Bill has been ill recently. The meeting expressed the hope that Bill recovers quickly and that we may see him back at the meetings.

A letter from the Riverside Jaycees, indicating that a hobby display was to be held at the Albert Hall on the weekend of 12th to 14th of September, and that the W.I.A. are asked to provide a display as in previous years. Anyone who wishes to assist could they please contact Reg, 7KK.

At this stage, the lecturer for the evening arrived and it was decided to proceed with the lecture as he wished to be away as soon as possible. The lecture was on F.M. Stereo Broadcasting, presented by Roger Greenwood, a Telecom Engineer who is involved in both the community F.M. group privately, and with Telecom in establishing the ABC FM transmitter.

Roger spoke on the design parameters for the FM stereo system, with the ZENITH - G.E. system being the one used in Australia as in most overseas countries. The system had to be compatible with mono and stereo receivers and to allow a stereo receiver to distinguish between left and right channels for correct reproduction. Occupying about 53 KHz of bandwidth, a L+R signal, an amplitude modulated, suppressed carrier signal containing L-R information, plus a low level 19 KHz pilot frequency for synchronizing the receiver to the suppressed carrier of 38 KHz.

This pilot is also used in the receiver to light the L.E.D. that indicates sufficient signal strength for stereo transmission. Roger made good use of an oscilloscope to illustrate the transmission of L+R and L-R information from a stereo encoder unit. The ABC FM signal will be on 93.9 MHz at a ERP of 50KW, and is diplexed onto the existing channel 3 TV antenna on Mt. Barrow.

In questions to follow, Joe 7JG asked Roger about spurious frequencies either side of 51.75 MHz, which is the high level spurious produced by the channel 1 translator at the Juliana Street site. These secondary spurs were caused by signals from the new ABC FM stereo Transmitter mixing with 51.75 MHz. This problem will be cured with the replacement of filters to be installed shortly in the FM Tx.

John 7CCC was asked to thank Roger for his excellent lecture, on behalf of the club and invited Roger to stay for supper and a rag chew. The time was quite late at this stage so the meeting was closed and supper served.

NORTHERN EXECUTIVE MEETINGS NOTES.

These are now to be held on the Friday following Branch meetings rather than the Friday before.

Next meeting July 18th 8pm at

Andre Everts QTH, Riverside.

The meeting held on June 20th was attended by eight office bearers and planned activities for the remainder of the year: these include visits, technical talks, social activities and constructional activities. Regular fox-hunting activities are also to be organised. More details later.

Ken Kirkman volunteered to act as clubroom manager following Bill Tanner's resignation. Thanks Bill for your work in this position and trust that you are recuperating satisfactorily.

A raffle is to be organised to help cover expenses involved in running and rebuilding the Mt. Barrow repeater. Please help when these tickets become available next month.

Next Meeting Northern Branch July 11th at 7.45 p.m.

An equipment sale - bring your gear for disposal, either donate it for auction or just offer it for sale on your own behalf.

Come along and stock up your junk box!

NOVICE LICENCE CLASS.

A reminder that a new class will be beginning soon at the Launceston Technical College.

SCRAMBLE.

The Northern Branch is now holding a VHF/HF Scramble event Sunday night starting at 8.00 p.m. and runs for 30 minutes. The first was held on Sunday (the 22nd) and for those who participated was quite successful. It takes place on 2 Meters, Rep 8 and Channel 40, 10 Meters and 80 Meters Scramble Control FREQ's are Rep 8 and 28.500 MHZ. So how about coming along and have some fun.

ATTENTION!!! MEMBERS AND FRIENDS OF THE NORTH WESTERN BRANCH.

A SOCIAL EVENING WILL BE HELD ON SATURDAY JULY 19th
AT 22 ELLIOTT STREET, ULVERSTONE
FROM 8.P.M.

PUNCH, WINE AND CHEESE TASTING

LIGHT SUPPER WILL BE SERVED

COVER CHARGE \$3.00 per person

ALL PROFITS TO VK7NW ANTENNA PROJECT

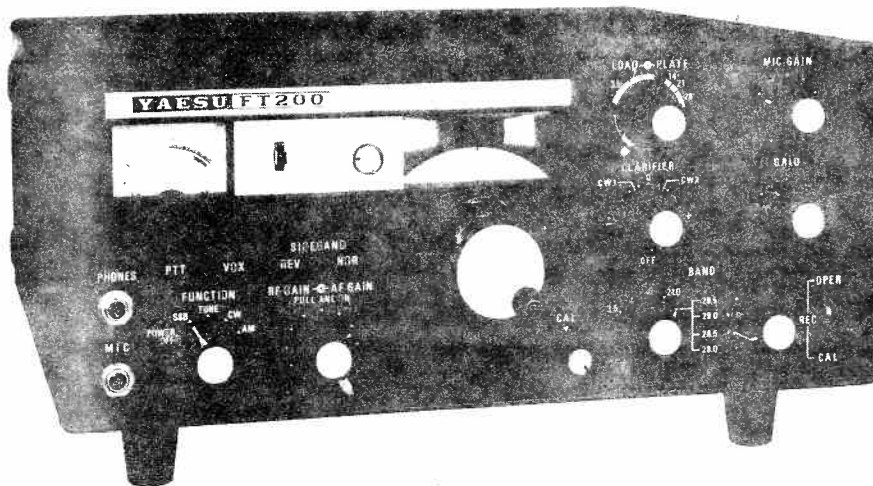
RSVP MONDAY 12TH JULY TO JOAN 25 3770 OR PETER VK7BQ

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HF SSB/CW/AM Transceiver FT-200

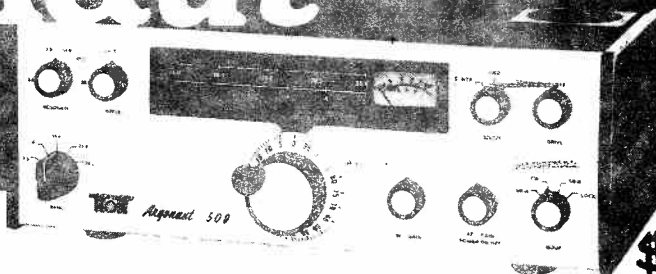


USED
\$325:00

An invitation to join the **TEN-TEC**

"Argonaut Club"

TEN-TEC Argonaut 509

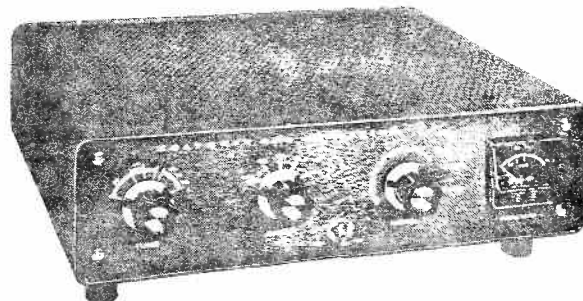


USED
\$325:00



SSB LINEAR AMPLIFIER

MODEL HA-14



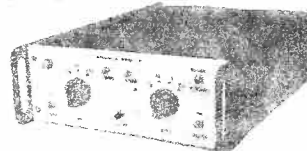
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AT 180 ANT TUNER \$170
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PS 30 20AMP POWER SUPPLY \$210.
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QRM.

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2 Meter Swiss Quad \$85.00

6 Meter low pass filter "Drake" \$30.00

Two 28 Mhz 5 Watt AM Transceivers \$40.00 each

Phillips FM828 HIGH band two way radios two only \$325.00 each.

Beldon Coax in stock Mill Spec. RG213 and RG58C/U

Valves QQE06/40 QQE03/12 6JS6 I2BY7

Connectors C32-4 C32-21 "N" Connectors for ur67 coax.

VHF Notes by Joe VK7JG

Once again winter is with us and so too our mid - Winter DX openings (we hope).

To date very little has happened, although ZL TV has been watchable on several occasions. To date there have been two openings to ZL the first being on the 16th when one ZL4 was worked by Daniel VK7DA then again on the 20th, once again ZL4 was worked firstly in the morning by Tony VK7TW then again in the evening by VK7DA.

The band was open for most of the day TV was s9 nearly all day I gave many calls during the day with no results.

As I mentioned last month Oscar 9 should have been up by now, but unfortunately due to a malfunction in the launch rocket the mission was aborted two minutes after lift off. With this 30 man years of work and preparation was lost.

Don't forget the Moorabbin and District Radio Club Annual Mid-Winter Field Day 1980 to be held Sunday July 13th.

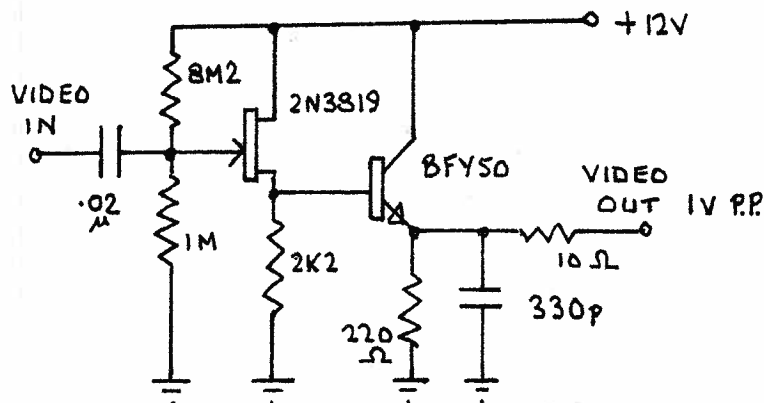
This also coencides with the VK2 Field Day and from past years contacts to VK3 are quite common from northern Tas., as a lot of the VK3 field stations are situated on mountain tops. For rules covering the contest ref. page 36 June AR.

There is also the Sunshine State Jack Files Memorial Contest being conducted on the same weekend so keep your rig warm and beams north, if we are lucky enough to experience some sporadic E or inversions it could provide a fruitful weekend of VHF activity.

73 till next Month
Joe

TECHNICAL ARTICLE.

A simple source/emitter follower for video extraction from a tv set to run a VTR or other uses. It can be connected directly to the video detector output.(very high impedance).

A Simple Power Meter For A.T.V.

The unit consists of a high impedance peak reading voltmeter with a shunt diode detector. The scale may be calibrated using the relationship:

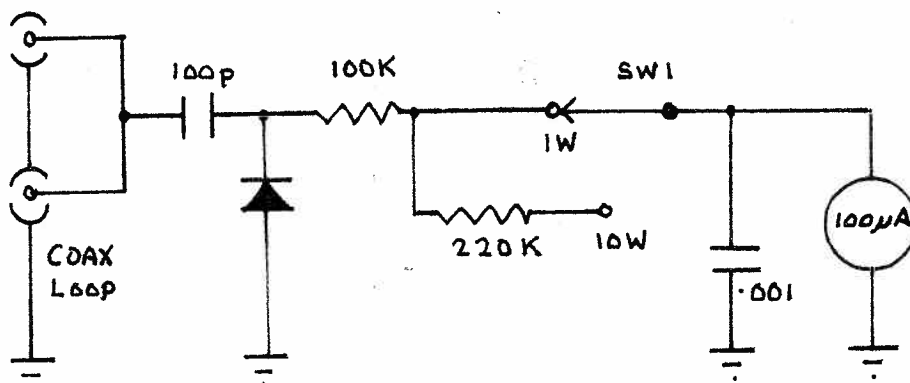
$$\text{Power (Mw)} = \frac{\text{Meter reading (uA)}^2}{10} \quad \text{for the 1 watt range.}$$

OR

$$\text{Power (W)} = \text{Meter reading (uA)}^2 \quad \text{for the 10 watt range.}$$

Details: Diode --: High speed germanium point contact, gold bonded computer type.
Ideal meter--: Dick Smith 65B 100 uA.

From the ATV er.



SATELLITE NEWS.

The "Phase 3" satellite was lost when the ARIANNE launch vehicle was destroyed by the Range controller. One of the four first stage rocket motors lost power and the rocket became uncontrollable. The latest word is that "Phase 3 B", the backup satellite, will take 18 to 24 months to complete. SO where do we go from here.

RS0 and RS3 the next Russian satellites are due for launch anytime. UROSAT the non-repeater experimental satellite being built in the UK, is due for launch in September 1981. The RS will use mode A translators (2M in 10M out). The UROSAT is to have slow scan weather transmitter, voice telemetry, ionospheric beacons on 7, 14, 21, 28 mhz.

A07 and A08 are still operating so we are left with these until further launches. For the new operator I would suggest Mode A. This would require a receiver on 29.3 to 29.5 mhz. and a CW/SSB transmitter centred on 145.9 mhz. FM is no good - not good enough for weak signals and consumes too much satellite power. Z calls can use mode A even though the signals come out on a band not normally usable by them. The satellite translators translate all signals in the input passband on 2M. to the output on 10M. not just one signal as a FM repeater does. One edge of the output band is usually marked by a beacon sending telemetry in CW. This telemetry gives the operating condition of the spacecraft.

Tracking This is not difficult (if someone else does the calculations). Near Polar orbits are used, that is, the path over the earth is North South or about 12 hours later South North. A07 and 8 are also sun-synchronous, their paths cross the equator northbound (the reference orbit is the first such crossing for the Z day) around the same local time each orbit, each day. This puts the centre time of orbits at 0900,2100 local time.

So what do you have to do to hear A08 signals. We will stay with A08 mode A as the best to get started on. A07 mode A has never been the best/and mode B requires a 432mhz TX. Given the 10M. receiver and a suitable aerial (I've only ever used a vertical), the only thing left is the right time to listen.

Next month I hope to have some pre-calculated/times for A08 but in the meantime leave a receiver on the beacon frequency of A08 -29.4 mhz. during the weekday evenings. If the beacon is heard have a look up to 29.5mhz. for other signals. If heard once try again about 103 minutes later or the next night 6 minutes later than the time heard. Also keep a look out for RS0 on 29.410 or RS3 on 29.333, you may be the first to hear them after launch.

Peter VK7PF

FOR SALE.

FT DX 100 (YAESU gear) 100W:-80-10m Transceiver AM,SSB,CW
All transistorised except for finals - AC - DC inbuilt power supply
suitable for fixed or mobile operation.

Offers to

G.D. Reardon VK7ZGG
Phone 446636 A.H.
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DX NOTES

Pride of place this month goes to VK7MC for his very acceptable letter advising me of conditions on 40 metres a band of which I've always maintained is under rated and I'm sure Mike agrees. He states. "Conditions on 40 are good into Europe every morning and to South America and Asia most evenings but not many South African stations".

The list of stations is too long and with too many call-signs for a 'non-dx' typist to cope with, however, a country break-up per continent gave the following figures.

ASIA	AFRICA	EUROPE	OCEANIA	NORTH AMERICA	SOUTH AMERICA
10	4	18	11	8	7

According to Mike the best of the bunch were

A22GD. 5Z4CW. VP5JAX. HS4AMI.

On 80 metres he lists the following as being heard fairly regularly during our evenings:-

H44, FK8, YJ8, VS5, YVI, LU, JA, W, FRO and ZL3PA/C.

On 20 metres a few of the less frequent countries heard here included VQ9, VP2V, OHO, CR9, EA9, LX, FRO, 9X5, ZS3, 9G and T3.

15 metres gave XT, CR9, ZS3, C5, HZ, 5T, TL, HBO, ZS2, FB8X, OD, VP5.

And on 10 the following EA8, YB, KH4, 4X, JT, S8, A2, 5Z4 and TA.

Now for what you may hear - all were either heard or were being discussed on the bands or were taken from the WIAW teletype bulletins copied and supplied by Peter VK7PF.

WILLIS IS. VK9ZR expects to start operating on the 1st July and will use all bands 52 mhz through to 1.8 mhz using both CW and SSB.

SUDAN. According to WIAW 6 T1YP is active, watch around 21,295 mhz from 2100Z.

TOGO. 5V7GE shows up on 14 mhz around 2000Z according to the ARRL DX bulletin, try 14.210 or 14.265 mhz.

NAVASSA. Listening to the Pacific DX net I heard that this island is due to be activated from the 3rd July for a minimum of 3 days.

PHILIPPINES. KP4KK/DU2 has been copied at varying signal strengths on 7 mhz CW around 1000Z.

GUYANA. Stations have been heard calling WB4LRB/8R1 but no other info is available.

SOUTH SUDAN Heard a W station in QSO with K5LBU/STO on 21.275 mhz at 0530Z, the STO was having rig problems but a beam and linear is being sent to him.

KERGUELEN FB8XY is quite active on 21 mhz and has been copied around 21.195 mhz at 0600Z.

HEARD IS. P29JS is optimistic about the arrangements to date and states that he has every hope of a December or January operation with 7 or 8 operators including K6LPL. The call-sign will be VKOJS.

PITCAIRN IS. Although not as yet active an XYL now holds the call VR6KY however her rig was received in an unserviceable condition and she is waiting for Tom to have a look at it.

Con't.

DX NOTES CON'T.

BRAZIL PY1RO wants a VKQSO on 1.8 mhz he has QSO'ed well over 100 countries but to date no VK. He transmits and listens daily on 1.807 mhz from 0920 to 0950Z.

AFRICAN SAFARI W4MGM will open from Senegal on the 20th June, on the 23rd he will move to Gambia as C5ACC for 8 days after which he will make stops at TY2ER, XT2AW, and then move on to TU, 5V7 and TZ.

QSL information.

CN8CW via WA3HUP
C31TV via EA2TV
CR9A via WB2KXA
FK8DH via VE5AAP
HS5AID via AG6D
K5KG/OHO via K5KG
T3LA via W7OK
VK9ZG via VK3OT
VP2VGF via WAIGXE

VP5JAX via JAZVUP
VP5BH via WB50PM
VQ9CT via W61MX
HK5EHM/HKO
Box 842
St. Andres Island
Central America.

73 Col VK7LZ.

FOR SALE - Steel Towers ex H.E.C. Longford.

Approximately 50 feet high
7 ft x 3ft base, standard \$60.00,
Heavy Duty \$80.00
Most are in reasonable order

Contact:- Mr. Jack Dineen,
Palmerston Switch Yard,
Phone 978250.

OVER THE COUNTER LICENCES.

As previously advised, P and T now can issue call signs "over the counter" in Hobart provided documentation is satisfactory.

If this service is refused or difficulties arise please obtain the name of the officer concerned and advise our P and T liason officer (VK7RR). P and T are keen to help.

This can only happen after the certificate of proficiency has been issued by normal methods.

SCENE AND HEARD

BY "EARWIG".

Well conditions this month have been extremely interesting. The 19 and 25 metre bands have been providing almost 24 hour coverage of signals. The higher frequencies have been very unstable with frequent dropouts and poor propagation. Interestingly, I notice that more broadcasters are utilizing the 13 metre band in daylight hours for transmissions to Oceania and SE Asia. Radio Moscow's World Service, which now extended to 24 hour operation, can be heard throughout the day from 0000 z until 0800z on 21530 Khz with very good signals. Signals on 19 metres at around 0200 GMT and later, mostly are transmissions to Central and South America from European areas and from Relay bases in the Caribbean. Signals are excellent. 25 metre band transmissions are also fair to good, but peak from 0330Z. Most stations I have logged on these frequencies at this time are directing their programmes to North America .

The 31 metre band is also providing good signals at about 0400z until sunset. The Deutsche Welle German language transmissions on 9735 Khz are extremely strong from 0300z. However, I do suspect they are utilizing several transmitters on this frequency at different sites in the West Indies and Sackville, New Brunswick as well as in Europe. The BBC also employ this technique of using several transmitters on the one channel from different locations. For example, tune to the World Service programme on 15070 Khz from 0700z and a transmitter directed to Australia fires up at approx. 0715-20 GMT.

Several broadcasters have programmes for DXers, SWLs, and hams on weekly basis. The latest I have logged is Radio Netherlands DX Jukebox, which has been in existence for many years. It can be heard here in Australia at 0750 and repeated at 0850 GMT on Radio Netherlands regular Thursday English programme. The BBC World Radio Club provides a cross-section of information for all interested in electronics. It can be heard at 0745z Sundays and repeated at 1115z Mondays, 2115 Tuesdays and 2315 Wednesdays on the BBC World Service. Some however have deleted their DX programmes, notably Radio Australia in March, and of late Radio Moscow has dropped their programme due to "lack of funds".

Well that is all for this month. In next month's issue, we will be including reports of a band survey conducted by several DXers in the Launceston area. Please send your reports to me C/- P.O. Box 275, Launceston Tasmania 7250 by the 15th July.

73 DE "Earwig".

NEW REGULATION HANDBOOKS

Are now available from Branches - everyone needs one!

Cost \$3.50, (post extra 50cents).



J. D. ELECTRONICS

64 Wentworth Street,

NEWSTEAD



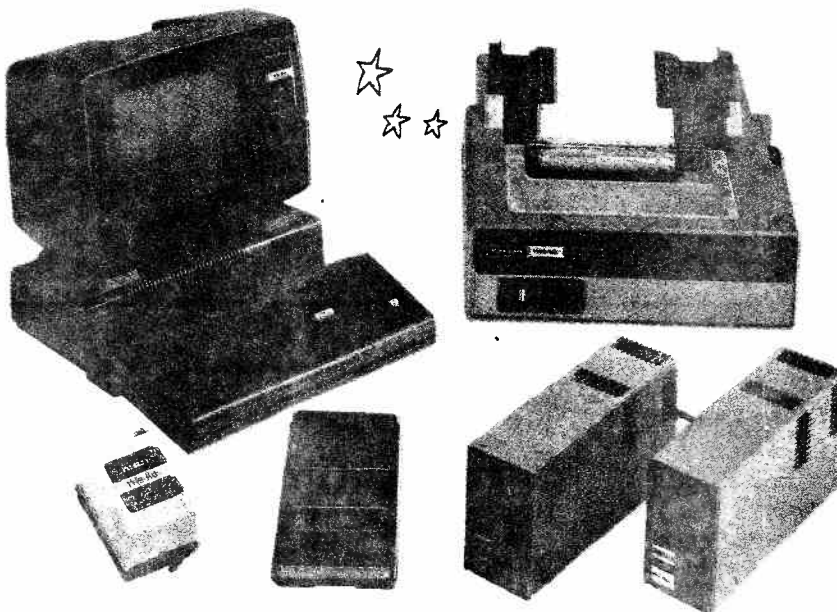
Suppliers of Yaesu Amateur equipment, Test Gear and all Accessories. Antennae and Fittings. Novices check us now for a really good deal.



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TRS-80 32K Business System. Approximately 135,600 bytes of disk storage make this system ideal for many small business applications, as well as the smaller computing needs found in larger businesses. The versatile Tractor Feed Printer uses continuous stationary, or pre-printed forms such as cheques and invoices.

WICEN NOTES FROM VK7AWSARSYM '80

The annual Search and Rescue Symposium, organised by the Federation of Bushwalking Clubs and the Police Search and Rescue unit, was held in Launceston over the weekend of June 6, 7 and 8th. For the first time, WICEN was involved in the Symposium. Twelve Southern WICEN members travelled to Launceston for the weekend, and three Northern amateurs also attended. In between Chinese meals, counter teas and climbing ladders up cliff faces, a considerable amount was learned about the type of incident in which we may become involved.

The Symposium began on Friday evening with a display and discussion of equipment, mainly bushwalking and snow equipment. On Saturday a number of papers were presented, including one on "Emergency Radio Communications using Amateur Radio" by VK7AW. Judging from the questions after the presentation, the words did not fall on deaf ears; the main interest was in portable repeaters and cave communications. A working display, consisting of an HF/VHF field station (in a box) with portable mast and antenna systems, as well as a Teletype, was in operation over the weekend.

A cliff rescue exercise was conducted in the Cataract Gorge on the Sunday morning. This involved people from bushwalking, caverneering and climbing clubs, as well as the Police S.A.R. squad. WICEN provided communications between the "victim" at the bottom of the cliff, and the rescue party at the top. All went well except for a slight hitch with the winch cable which resulted in the patient being suspended half-way up the cliff face for about an hour!

PORTABLE REPEATERS

Owing to a provision in the new "Amateur Operators Handbook", namely paragraph 6.56:

"Relaying of Transmissions.

The relaying of transmissions is not permitted unless with special approval.",

a letter requesting approval to operate the portable repeaters has been forwarded to the P. and T. Department, Hobart. The request has been onforwarded to P. and T. Headquarters, but until a response is received we are still able to demonstrate and test the repeaters, providing the licensee operating the repeater identifies each relay, e.g.

"VK7AW mobile relaying VK7HK".

Para. 6.56 will also affect the HF-VHF patches which are contemplated, for both voice and RTTY.

NEW NORTHERN WICEN CO-ORDINATOR

Graeme Reardon, VK7ZGG, has taken over as Northern WICEN Co-ordinator. Graeme has fresh stocks of the questionnaire, and will be approaching people in the North with a view to establishing a strong core of people interested in emergency communications. If you live in the North, and are interested in the type of activities which you have read about in "WICEN NOTES", then ask Graeme for a questionnaire and register as a WICEN member. There is no joining fee, you don't have to have a licence (of any type), nor even be a member of the W.I.A. to be a WICEN member. Some interest in field and portable operation is an advantage and you must be prepared to

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WICEN NOTES CON'TNEW NORTHERN WICEN CO-ORDINATOR CON'T.

experiment with new ways of getting the most out of your radio equipment - often in remote areas of the State. Participation in WICEN is a way of contributing to a worthwhile community service, of promoting amateur radio and of having a good time into the bargain.

CAVE COMMUNICATIONS

Further experiments were conducted in May and good two-way communications were established in the "Welcome Stranger" cave in the Maydena area (same one as the first test). One station was on the surface above, the second was carried into the cave. Communications were initially established with the cave station directly beneath the surface station, about 150 ft. above. The cave station was then moved to the end of the cave, about 2600 ft. distant, and good signals were received at all points. Two types of aerials were tried underground: a two-turn loop, and a short random-length wire. The loop was more effective initially, but the wire was better at the end of the cave. A random wire was also used on the surface.

Another series of tests is planned for early September in the Mole Creek area, as part of a full-blown search-and-rescue exercise. More details of times, dates and places will be advised as they become available.

TRAINING COURSE

A training weekend is being organised for August 2nd and 3rd, in Hobart. This will consist of one day (Saturday) of lectures on topics such as Emergency Service Voice Procedure, Message Writing, Formal Message Handling, Call-out Procedure, Map Reading and VHF Repeaters. An exercise will be held on Sunday to enable all participants to consolidate what they have learned.

At this stage, all of our exercises have been handled on a fairly loose procedural basis. This weekend should prepare WICEN members for the formalities which may be required if WICEN is ever involved in an extended message-handling incident.

All Southern WICEN members are expected to attend, and if anyone from the North or North-West wishes to attend, they are quite welcome. Further details on the venue and pre-requisites will be given on the weekly broadcasts and at the July Southern Branch meeting.

STATE NEWS

A reminder that Divisional office bearers are as follows:-

President	Reg Emmett VK7KK
Secretary and Federal Counsellor	Brian Morgan VK7RR
Treasurer and Membership Officer	Paul Walker VK7PA
Amateur Radio Liason	Peter Dowde VK7NPD
Other Council Members	VK7GD, VK7NEA (ZEA), VK7AW, VK7XL.

CORRESPONDENCE to the Division can always be sent to P.O. Box 1010 Launceston, however a quicker reply could be achieved by forwarding vis -

C/- B. Morgan
G.P.O. Box 672G
HCBART. 7001

COUNCIL MEETINGS

The next Council meeting will be held "on air" on Friday 25th July, 8p.m. on 3590 kHz.

Council members (and others) are reminded to have agenda items to the secretary by 21st July so that they can be circulated prior to the meeting.

BROADCASTS

The monthly rotation for origination will be continuing. Remember to ensure news reaches the relevant Branch early. Saturdays, 8p.m. on. 3600 or 8.30 p.m. on 7130 provides a means.

BRANCH STRUCTURE

Council is concerned about the constitutional status of Branches - in particular the collection of subscriptions. As a special general meeting will need to be held in November to complete business initiated at the AGM in March, it is proposed to introduce amendments at the meeting to assist in overcoming the problem.

Branches will be circulated with some suggestions for comments.

TASMANIAN DEVIL AWARD NEWS:

The following certificates have been issued up to
June 19th, 1980:

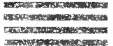
1.	Ron Mann	VK7RM
2.	Fred Reid	VK7NFR
3.	Jim Grauser	WB2KXA
4.	Lloyd Cherry	VK7BF
5.	Gus Ackermann	DJ3YW
6.	K. Miyamoto	JAIUZQ
7.	Bill Reid	VK7NWR
8.	Graeme Floyd	VK7NHT
9.	David Chadderton	VK7NAD
10.	Anthony Tulk	VK7ZTA
11.	Maurice Potter	VK7NSA
12.	Ian Nichols	VK7ZZ
13.	C. Williamson	G4FZS
14.	Les Harper	VK7NHA
15.	R. Egan	VK4NOD
16.	Chris Walker	A22DW
17.	Austin Bennett	K6YGX
18.	Rai Taylor	VK7NRT
19.	W. Hawthorne	G3MCS
20.	Tom Weston	WB7UVA

Nets are held in the south of the state on 28.560 MHz at
0100Z and on 21.380 MHz at 0500Z every Sunday.

If you have not yet checked into one of these nets, do so
and you will enjoy it.

Cheers,

Graham VK7GD


VK ELECTRONICS


57 WEST PARK GROVE BURNIE 7320

PHONE

311 708 VK7ZN/NNS

ICOM

IC22S 2M FM 10W \$289
 IC255A 2M FM 25W \$409
 IC251A 2M ALL MODE \$827
 IC551 6M ALL MODE \$799
 IC551D 6M 100W \$795
 IC2A 2M FM H-HELD \$275

KENWOOD

TS180S 100W DIGITAL H.F. \$1100
 TS120S 100W DIGITAL MOBILE \$700
 TS120V 10W MOBILE H.F. \$559
 R1000 RECEIVER HF DIGITAL \$498
 SM220 STATION MONITOR \$369

YAesu

FT101Z H.F. \$779
 FT101ZD H.F. DIG. \$929
 FT107 NEW H.F. DIG. \$1290
 FT707 NEW H.F. DIG. \$849
 FRG7 HF RECEIVER \$319

RG58 50 Ω COAX 0.40c/M
 RG8 (UR67) 50 Ω LOW LOSS \$1.40/M
 GREAT CIRCLE MAP (DICK SMITH) \$3.00
 AMATEUR WORLD PREFIX MAP \$2.00

PLUS DICK SMITH KITSETS AND
 COMPONENTS ETC.

MAIL ORDERS WELCOME - CASH WITH ORDER - FREIGHT FREE TO MAJOR
 TOWNS IN TAS. - SALES AND SERVICE - PRICES AND STOCKS MAY CHANGE.

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