

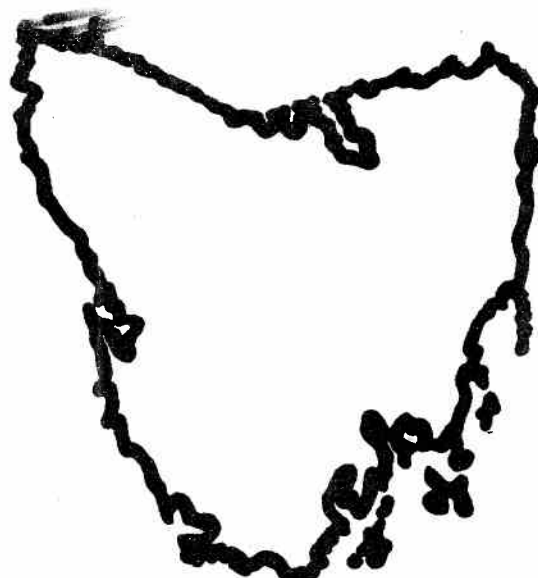
AMATEUR



RADIO

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

Registered for Posting
as a Publication,
Category B.



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LAUNCESTON
TAS. - 7250

APRIL 1979

Price 40¢

VOL. 9 NO. 1

M E E T I N G S

April 4 Southern Branch - SES Rooms Melville Street, - 8.00 p.m.
April 6 Northern Branch - Clubrooms 34 Bourke Street, - 7.45 p.m.
April 10 North-West Branch - Lakin's Hall Ulverstone, - 8.00 p.m.

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			JD Electronics (Ad)

S P E C I A L (Missed from Last Issue)

SHACK CLEARANCE - VK 7 ZFR Phone 003 - 281333

Large lot TV Equipment with Marconi Camera, chain & spares \$500
Helical 1" VTR \$300 G2DAF Receiver \$50 Solid State SPG \$50
BWD 539B dual trace CRO with probes \$500 VK 3 Carphone (3 ch) \$100
4/11 el stacked yagi \$150 or \$40 a bay 2m AM Rig (pair) OFFERS
LOADS OF OTHER GOODIES - SEE FRIENDLY FRANK - LOADS OF OTHER GOODIES

QRM Comment

The beginning of another term for changes in Branch Office Bearers and for QRM the pause until a new Editor can be elected. I would like to say on behalf of all, our sincere thanks to John VK 7 CCC for his tremendous job and effort in the production of an above standard magazine during his term as Editor. To those who participate by submitting articles, helping to pack, wrap and sort, our sincerest thank you. Without all the behind the scene helpers this could not be done. I would also like to thank especially Joe Rickter who handles the main job of QRM and that is the printing of it. Thanks Joe.

You will be wondering at receiving two QRM's in the same month, well the answer of course is that we want to stop the knockers and have QRM published and mailed by the last day of the month for the preceeding months issue. John has set a hard path to follow but with your help I am sure it will be followed and hopefully branch out to wider horizons.

73

Ed VK 7 HE

Dedication

WE THE WILLING
LED BY THE UNKNOWING
ARE DOING THE IMPOSSIBLE
FOR THE UNGRATEFUL

WE HAVE DONE SO MUCH
FOR SO LONG WITH SO LITTLE
WE ARE NOW QUALIFIED
TO DO ANYTHING WITH NOTHING

GELSTON COMMUNICATIONS

TWO WAY RADIO SALES & SERVICE

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Electronics



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LAUNGESTON 7250
TAS

For sale

One FTDX 400 with external speech processor
good condition only \$575.00
Two Kemtronic 18 channel SSB C B. Transceivers brand new
only \$145.00 each
Magna Base C.B. Aerials ideal for use on two meters or
modify for 28 Mhz. \$8.00 each.
Ringo Ranger 2 Meter aerials in stock \$48.00 each.
Coax Cable RG58 & RG213 connectors in stock.
Valves 6I46 6JS6 6KD6 QQE03/I2 QQE06/40
Two meter 10 element crossed yagi \$85.00

Joe Gelston
VK7JG.

Northern Branch Notes

Elections were held at the ABM 9th March with the following results,

President	VK 7 HE	Ed Hewens
Vice-President	VK 7 ZBY	Brian Yeoman
Vice-President (Equipment Store)	VK 7 ZDB	David Bailey
Secretary	VK 7 NSB	Lucy Lockett

TALK ABOUT WOMENS LIB = ALL THREE BRANCHES HAVE

LADY SECRETARIES

Treasurer	VK 7 TP	Tony Polowy
QRM Editor	Deferred	
QRM Technical Editor	VK 7 ZRF	Bob Grant
Lecture Officer	VK 7 ZLA	Alan Lawson
QSL Officer	VK 7 LZ	Col Wright
Educational/Broadcast	VK 7 ZBY	Brian Yeoman
WICEN Co-ordinator	Deferred	
Club Room Manager	VK 7 TE	Bill Tanner
Librarian		Gary Jones

At the monthly meeting which followed an application for associate membership was received from Ken Kirkman and passed. Welcome Ken. Reg VK 7 ~~KK~~ and Brian VK 7 ZBY are looking into a venue for this years TARC. Brian VK 7 ZBY reported that AOCF classes will commence on 23 April with CW at 7 p.m. and theory at 8 p.m. at the Kings Meadow High School. Induction for the course will take place at the Kings Meadow High School on the 9th of April. Brian also mentioned that the 79 AOCF exam will be multi-choice. Bob VK 7 ZRF spoke on a National ATV tape being produced. Activited night will be held once a week alternating between a Tuesday and Thursday night. Tuesday 3rd April at 8 p.m. will start off Aprils' activity nights

DIVISION TREASURER'S REPORT FOR 1978

The past year's books again show a small surplus. It has been suggested that the Division should make a profit from book sales. The Council has decided to provide a service to members rather than make a profit.

The inflated balance of previous years has been reduced by changing the method of new subscription processing. This will eliminate the pro-rata hold over of subs from one year to the next for 1979.

For 1979 we have a major committment in the insurance cover for members but F.E. will now fund the Federal Convention expenses for an Alternate Federal Councillor.

signed: P.D. Frith
Hon Treasurer

Tasmanian Division W.I.AStatement of income and expenditure to 31/1/79

<u>Balance brought forward</u>		700.57
<u>Income</u>		
Refund of subs from F.E.	762.94	
Pro-rata new members subs	308.10	
Subs new members	1263.90	
Donations life members	52.00	
Donations	84.00	
Bank interest	28.99	
AMP adjustment	2.50	
Sale of books	506.05	
Correction F.E. account	150.00	
	<u>\$3158.48</u>	<u>3158.48</u>
		<u>3859.05</u>
<u>Expenditure</u>		
Repayment pro-rata to F.E.	412.50	
New subs to F.E.	914.22	
Excess subs. refund to new members	218.17	
Subs to branches	250.25	
QSL bureau call books	5.05	
Repeater and beacon licences	60.00	
Fed. convention expenses alt. Fed. Councillor	184.89	
Administration	127.00	
Book purchases	636.80	
Council members allowances	98.00	
Bulletin expenses	69.24	
Post box	13.25	
Trophy engraving	13.00	
Letterhead paper	32.37	
Video tape and copy expenses	40.00	
WICEN stickers	22.00	
Cheque books	9.00	
Insurance policy	32.50	
	<u>3138.24</u>	<u>720.81</u>

<u>Balance sheet</u>			31/1/79	
<u>General funds</u>			<u>Bank account</u>	719.76
Balance 28/2/78	627.70		cash	1.05
Surplus for year	<u>20.24</u>	647.94		
<u>Warc fund</u>		<u>72.87</u>		
		<u>720.81</u>		<u>720.81</u>

<u>Assets</u>	
1- Recorded video tape	40.00
50- novice Q&A booklets	<u>125.00</u>
	<u>165.00</u>

Auditors Report

In my opinion the above statement of Assets and Liabilities give a true and fair view of the Institutes affairs as at the 31st of January 1979 and the surplus for the year ended on that date.

Launceston 12th March 1979

signed P.A. FRITH

Hon. Auditor

North West Notes

The meeting for March 13th was held in Lakin's Hall, Ulverstone, and considering the very unpleasant weather - the attendance of 24 was most satisfactory. After the usual business, Office Bearers were elected for the coming year.

Minutes of the meeting for election of Office Bearers for the past year were read by Acting-Sec, Joan, XYL of Peter VK 7 ZFP.

Presidents Report for the year 1978-79 was read and adopted.

Treasurer's report presented by Ivan VK 7 NOA/ZOA and adopted by the meeting.

Beacon and Repeater report, read by the Chairman and accepted. A letter of thanks to be forwarded to Tony VK 7 AX for his excellent work in maintaining this equipment.

Election of Office Bearers for the coming year,

President	Peter Fudge VK 7 ZFP
Vice Presidents	Max Ives VK 7 MX
	Terry Tongs VK 7 TT
	(subject to their approval)
Secretary	Joan Fudge XYL of Peter
	VK 7 ZFP - Duly Elected
Treasurer	Ivan Ling VK 7 ZOA/NOA
QSL Officers	Harold VK 7 MZ and
	Brian VK 7 NHB
	ingoing and outgoing QSLs
Publicity and QRM	Jim VK 7 NOW
Entertainment	Vince VK 7 NVH
Broadcast Officer	Terry VK 7 TT
Auditor	Max VK 7 MX
Council Rep	Paul VK 7 ZPB

Beacon and Repeater
co-ordinator

Tony VK 7 AX

(most position were filled by re-election and Broadcast is subject to acceptance by Terry)

General Meeting;

Minutes of the last meeting read by the Acting -Sec Joan Fudge - carried

Correspondence - inwards. A letter was received from Northern Branch advising of their assistance at the MINI HAM FEST at Port Sorell. A letter was received from Mr. M. Lakin, owner of the building where our meetings are held - advising the Branch that the building is to be demolished. Brian VK 7 NHB advised that the facilities of the Penguin High School would be available for future meetings.. Brian was thanked for his offer and it was decided to take a vote at the A.G.M. on this matter, motion carried.

Education Officer, Brian VK 7 ZBL agreed to carry on in this capacity for the coming year.

WICEN Co-ordinator, declared vacant for the time being.

Membership Applications from Ben Marthick VK 7 NEB and Joan Fudge were accepted.

A motion was moved thanking Brian VK 7 ZBL for his excellent work as President and Chairman during the past year.

April 1979

Council: Paul VK 7 ZPB discussed CHAIN LETTERS being received by some Amateurs. (Note - the writer has received 4 over the last month from a 'W' 'VK8' 'VK2N' and a 'VK3', I sent one to the P & T Dept, one to our Council Rep. The rest went in the fire.) Editors Note: It is illegal in Tasmania to post this type of letter - SO BEWARE.

Mini Ham Fest, Vince VK 7 NVH advised that there would be several activities, including a Fox Hunt on 10 and 2 Metres also for the children and parents a Fox Hunt on the B.C. Band using a very low power oscillator.

This wraps up the notes for yet another month, so let me close the note with a quotation told me by a K4 on 10 Metres recently:

"NO MAN WOULD LISTEN TO YOU TALK, IF HE DID'NT
KNOW IT WAS HIS TURN NEXT"

How true! See you further down the curly cord, best 73 es DX

Jim VK 7 NOW

HOME COLOUR FILM & PRINT PROCESSING

by Peter E. Harrison VK 2 NPM

This series of articles is not intended to indicate professionalism in any way, but is intended for the amateur who wishes to experiment in this field. Some of the statements could quite validly be questioned by professionals.

It is widely believed, and indeed is promulgated in advertising material that extremely expensive equipment is necessary in order to achieve accurate results. This is correct but it is also a matter of interpretation of accuracy. Nobody expects absolute perfection unless a high cost is involved. What is not conveyed is that it is quite possible and relatively easy to produce quite acceptable and pleasing results in colour work without getting involved in thousands of dollars outlay. (Editors Note: Very good samples have been received)

The following information is the writers opinion on how this can be achieved. Some of the information has been gleaned from articles in different magazines and some of it is as a result of the writers own experimentation.

Considerable outlay was involved in the purchase of different types of developing chemicals, papers, films, specialised tanks, thermostatic facilities and various analysing systems to obtain correct colour balance. The result was total frustration and repeated failure. This carried on for months but so much had been spent I felt that I had to continue.

An article in a magazine caused me to have a complete re-think. Think in terms of normal black and white processing using different chemicals with some minor modifications. INCONSISTENCY IS THE COLOUR PRINTERS NIGHTMARE. It is necessary to be consistent.

The next article indicates purchasing requirements and then the system used by the writer, with as previously stated, quite reasonable results.

* * * * *

Throughout this publication errors appear the reason is that the forefinger on the right and left hand have no learnt to spell!!!!

by Jim VK 7 NOW

In last months issue of QRM we mentioned the Amateur Radio Action DX Award for Novices was won by a VK 3 Novice. This report is now official - it was won by none other than the Managing Editor of 'ARA' Len VK 3 NLS, who has now written to me, in reply to my query "Who won the Award, and when will details be published."

Two weeks ago, I had the greatest thrill since I have been on the air. Some of the older Amateurs will remember the FIRST EVER Broadcast Station to come on the air in the USA - it was KDKA PITTSBURGH.

I remember listening to their short wave transmissions from KDKA about the end of 1928 on a Home Brew 1 Tube Regenerative Detector radio. However a sked was set up for me by Carl W7YQ of Sun City, Arizona, on 10 Metres with Roy W7ZW, also of Sun City.

You might ask "what is so exciting about that?", only the fact that Roy, who is now 84 years of age, and President of the Sun City Radio Club, was the First Engineer to put KDKA on the Air, in November 1921. Roy told me he got his licence in 1914 and his original call was 3QT. He is going to write to me and send some photos. A wonderful experience in deed! Note: I would welcome items of interest from others for inclusion in this column.

Scene and Heard by Earwig

The 11 Metre broadcasting band of 25600 - 26100 khz is really coming into its own of late, with stations utilizing it during the current sunspot maxima. For example, the Voice of America is using this band more often in their transmissions. It was heard signing-off at 0330Z on 25995 with their news broadcast in English. Its signal was excellent 55545.

The US Armed Forces Radio Network has also been logged at about the same time with a lot of relay of sports commentaries intersperced with news. Listen about 0330Z on 25610khz. SINPO reading was 35535.

Radio Nederland, Heleverum is putting an excellent signal on 25650 with a news/current affairs programme in Dutch from 0730Z to 0820Z. Location is either from the Madagascar Relay or from Holland itself. The programme is beamed to S.E. Asia so it does point to the former. The signal is 55545.

Another country logged on this band, Radio France Internationale, in Paris on 25795 logged at 1315Z with a fair report of 35323. Also Israel is reported to be using 11 Metres with its programmes to Africa.

WWV, Fort Collins, Colorado, is back on 20.000 mhz with its time and standard frequency signal.

Various Russian SSB Feeder Stations relaying Soviet programmes in Russia nd Foreign languages have been logged at various times. Radio Moscow World Service is heard on 18650 LSB at 0600Z with a fair signal. However 19725khz gives a much clearer and stronger signal at the same time, SINPO 54555. The Mayak programme in Russian was heard on 20600 USB at 0600Z with a news programme until 0615Z. Also this frequency was heard carrying Radio Moscow's programme in Chinese at 0700 - 0800Z. SINPO 55545. Mayak was heard also on 20285 at 0730Z.

Well that is all for this month. Please send your reports to P.O. Box 275, Launceston, 7250.

73 de the Earwig

A.G.M. REPORT

The AGM took place at Lakin's Hall, Ulverstone on Saturday 17th March 1979 and was chaired by the President, W.I.A. Tasmanian Division, Ian Nicholls VK 7 ZZ.

Most reports to be presented had been tabled in QRM and were accepted. The Treasurers balance sheet is included in this issue. Andrew VK 7 AW reported that WICEN is set up with a reasonable numbers of volunteers. There are 2 co-ordinators from each Branch and Andrew is still waiting for comments on the draft guide-lines before publication and issue to members.

Joe VK 7 JG reported on VHF activities and after 5 years service in this position has stood down. Thanks Joe for all your efforts, some members do appreciate what you did.

Brian VK 7 ZBY reported on the Sunday Morning Broadcast and as 1st April the broadcast will originate on 7130 khs. There is work under way to link all repeaters in Tas with the ultimate aim of the broadcast originating on the repeater with relays to other bands.

Peter VK 7 PF gave a brief report on Federal and mentioned that after nearly 6 years as our Federal Co-ordinator has stood down but will still be our Alternate Federal Councilor. To you Peter on behalf of all, WELL DONE.

The following were elected;

Patron
Councillors

VK 7 AG	J.C. Milne
VK 7 ZPB	P. Blake
VK 7 KK	R. Emmett
VK 7 PF	P. Frith
VK 7 GD	G. Johnson
VK 7 ZZ	I. Nicholls
VK 7 NEA	P. Wagner
VK 7 PA	P. Waller

Broadcast Co-ordinator
Membership Officer
P & T Liaison Officer
QSL Officer
Hon Legal Officer
Intruder Watch
Education Co-ordinator
Historical Officer
VHF Officer
Oscar Co-ordinator
WICEN Co-ordinator

VK 7 ZBY	B. Yeoman
Council function	
VK 7 ZZ	I. Nicholls
VK 7 CH	C. Harrison
VK 7 RR	B. Morgan
VK 7 AK	B. Carter
VK 7 KK	R. Emmett
In abeyance	
VK 7 ZRF	B. Grant
VK 7 PF	P. Frith
VK 7 AW	A. Boon

OOPS

APOLOGIES FOR THE FOLLOWING ERROR last month.

Lloyd Cherry was shown amongst new calls as VK7LC. He should be VK7NLC. Please change your lists.

MODIFICATIONS AND IMPROVEMENTS TO THE KYOKUTO

by Craig Maitland VK5ZAW and Neil Abraham VK5ZJA

This is the first in a series of articles written mainly for Kyokuto owners, but applicable to many other modern Japanese 2 metre FM transceivers. These minor modifications, when applied to the Kyokuto, will further improve an already versatile unit.

MODIFICATION 1#

IMPROVING 1ST. I.F. RESPONSE

The first modification is one which is aimed at improving the receiver section with respect to weak, off-frequency, or heavily deviated signals.

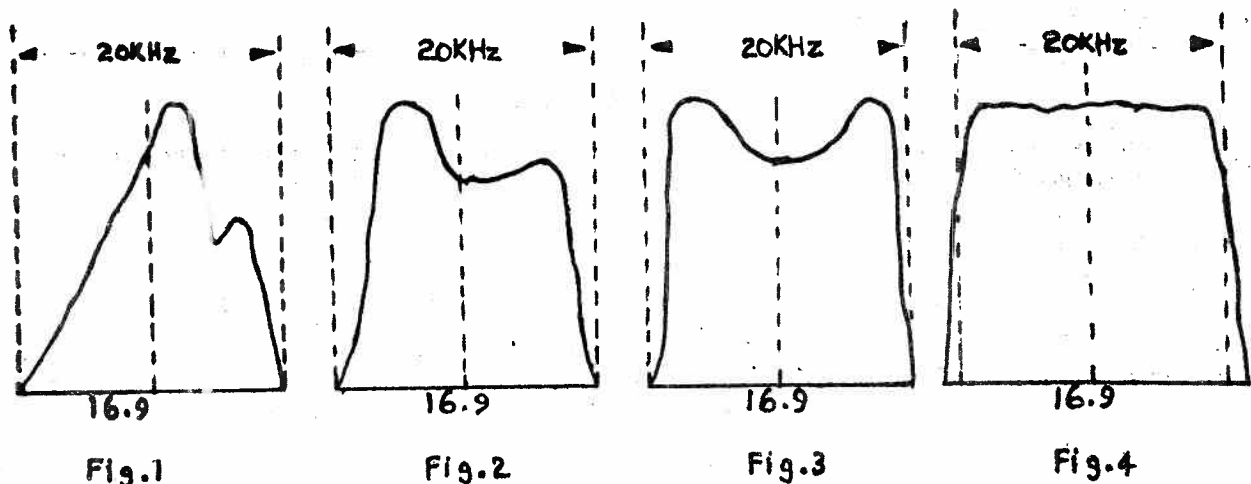
As with many other modern narrow-band units the standard Kyokuto mute and audio system can be susceptible to "popping" under the above conditions, the severity depending on the way the receiver was aligned.

Most amateurs tend to tune their newly-acquired units to ensure maximum sensitivity. The way it is usually done is to get a weak, steady signal source and peak the receiver for maximum signal strength on the meter, or for maximum quieting. Whilst this may improve the basic sensitivity for an unmodulated carrier, in the Kyokuto any reasonably high modulation now causes the mute to close, as the I.F. bandwidth is now very narrow, with shape likened to a church steeple as in fig 1. Notice also that the peak is not on centre frequency due to mismatch of the 16.9 MHz filter.

So, if you've fiddled with the receiver in your Kyokuto, read on!

The factory has partially overcome this problem by their method of alignment, which can only be described as a fiddle to cover up a basic design fault. They do not tune the receiver for maximum sensitivity, but for minimum distortion on a Noise and Distortion Meter, with the required deviation applied from a Signal Generator.

This has the effect of broadening the I.F. response by detuning the associated transformers to match into the filter, but the sensitivity decreases. A standard Kyokuto, as received from the factory, was swept on a spectrum analyser and gave a picture as in fig 2. Still obviously not good.



If the I.F. is swept carefully with a good spectrum analyser or sweep generator whilst aligning it is possible to get a symmetrical response as in figure 3, but as you can see it is still far from satisfactory, having somewhere near a 10 dB hole in the middle. All of these problems

are due to the incorrect matching of the mixer drain coil to the first IF filter (16.9 MHz). By correctly matching this filter to the mixer output a response as in fig 4 can be obtained. This shape is ideal as you can see, with 20 kHz passband, less than 2 dB ripple and very symmetrical.

Matching of the filter can be done in several different ways, all achieving similar results. We believe the easiest, quickest effective way is to fit a small active matching circuit. Simply a source-follower circuit, it allows the filter to "look" into a low impedance source, while the drain of the mixer can operate into a "high Z" load, enabling this coil to be peaked for maximum gain.

This modification has been carried out to many units, all with very gratifying results. The parts cost about \$1-50 and are available from the Equipment Supply Committee. Any competent amateur can do the modification in about 15 - 20 minutes. See the circuit below, fig 5.

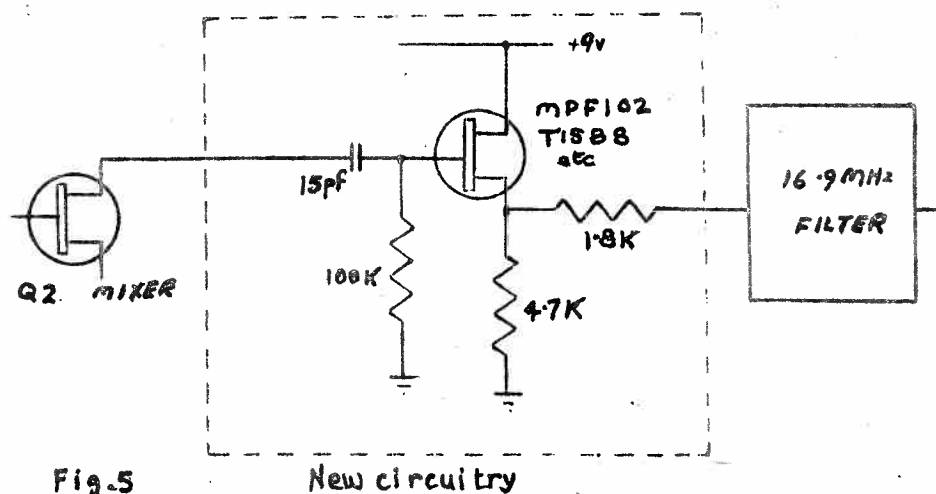


Fig.5

New circuitry

METHOD OF MODIFICATION

Disconnect power leads etc.

Slip cover off the Kyokuto, undo 4 screws holding the receiver board down and tip the board over to expose the tracks.

Cut track between Q2 drain and the filter input - use a small, sharp knife or blade.

Solder the coupling capacitor, FET & resistors to the underside of the pcb, keeping all leads as short as possible. Check that you have the correct pin connections for the FET which you use as they are not all identical.

The +9V rail is picked up from one of the 47 ohm decoupling resistors.

Replace the board after carefully checking all work and replace all leads and plugs.

Turn on, find a weak but steady signal and re-peak coils L5, L6 and L7 - no fancy test equipment required.

The increase in gain due to this modification is about 10 dB. You will now have a flat bandpass, a receiver as sensitive as the best and be far less troubled by heavily deviated signals. If any popping now exists, it is purely over-deviation from the transmitting station.

Unfortunately, rigs received into Australia are not adjusted to a standard deviation, but vary from one brand to another. If the deviation is too high, speaking back from the microphone is no cure. The average will be lower but the occasional peaks can still go outside the passband of the receiver. If your deviation is too high, adjust it properly.

Also, check the bandwidth of your 455 kHz filter. Some early sets had a

+/- 6 Khz filter installed. If this is the case, you may be better off by changing to an 8 or 10Khz filter.

Reprint from S.A., W.I.A. JOURNAL

V.H.F. Notes:

Commencing from 11th February - 2M opened to VK 5 Adelaide area. Stations worked were VK 5 KK, AVQ, ZDR, LP, and ZPS on 144.090 Mhz. The following day 6M opened to VK 5, JA 3, 4 and 6. On the 14th 6M opened to VK 4 and JA 4. 2M opened to VK 3 on the 20th.

March 3rd saw 6M open to JA 6 and JR 3. Between 0825 - 0907 on 12th March the KH 6 EQI Beacon varied between 5/1 to 5/9 in Launceston. About 1 hour later 6M was wide open to JA 1 to JA 7. On the same evening 6 VK 3s worked into 'W' Land.

Danial VK 7 DA was heard by a W7 but due to very heavy thunderstorm QRN reception was impossible. On the 17th March it is believed that a station in the State of Washington worked into VK 2.

During the past week 'W' stations have been hearing TV and sound carrier on channel 'Q'. With the present sunspot cycle approaching 180, now is the time to monitor 6 Metres whenever possible. 28.885 Mhz is used as a liaison frequency on most of these record breaking contacts. Other frequencies to monitor are;

41.5	Mhz	French TV video carrier
48.75	Mhz	Great Britian
49.81	Mhz	Spain
49.75	Mhz	Vostock TV Video
55.24	Mhz	USA TV vision
55.25	Mhz	"
55.26	Mhz	"

All these notes came from the log of Danial - VK 7 DA.

73 de VK 7 JG

Council Report

At the Council meeting held after the AGM, Council elected the following positions;

President	Ian Nicholls VK 7 ZZ
Secretary	Paul Blake VK 7 ZPB
Treasurer	Peter Frith VK 7 PF
QRM Liaison	Reg Emmett VK 7 KK
Membership Secretary	Paul Waller VK 7 PA

The next Council Meeting will be held at the QTH of Ian VK 7 ZZ at 1400 hrs 21st April 1979.

RD CONTEST

Peter VK 7 PF reported that if we had submitted 16 more average logs VK 7 would have won. Further details later.

SCRIBBLES FROM THE SOUTHERN SCRIBE.

The Southern Branch applaud the suggestion of publishing and circulating QRM by the beginning of the month.

Business discussed at the last meeting, held on the 7th. of March, included the following topics:

Southern Branch Premises; the building fund monies are presently frozen, following the collapse of a certain finance organization. A committee has been formed to research location and cost of future clubrooms. WAGS project of the year is to raise funds for the clubrooms, (see below).

Athol Johnson Contest; in view of the few participants in this contest, members are asked to submit suggestions for improvement of numbers. Southern Branch has sent a list of ideas to the division, - thanks to VK7ZZ for your ideas.

New Members include Mike Nicholson ,VK7NXZ; and Sue Morgan,VK7NSU/ZSU, full members, and Prins Radio - associate member.

Intruder Watch - VK7ZJP was appointed for the Southern Branch.

WICEN - VK7HK and VK7AW carried out tests for a portable repeater, for use in the field. The results are promising, but further tests are needed. The Raffle of a car radio is to aid costs for materials at SES headquarters, to be drawn on the 2nd. May.

The next meeting is to be held on the 4th. of April, at SES hqrs.

WAGS notes:

A fund raising Barbecue (for the Building Fund) is to be held on the 8th. of April. Location - to be found by a directional fox hunt with VK7AW as the fox on 2 and 10 metres. Cost is \$6.00 per family and \$2.50 each. Everything is provided in the eats line, but bring your own G and G (grog and glass).

Future events are a square dance - tentative date Sat, 23rd. June. and a Giant Auction, probably on the 12th. May.

The next WAGS meeting is to be held on the 18th. of April at Judy Boons house, - anyone interested is invited to attend.

ADVANCED ELECTRONICS

5A THE QUADRANT, LAUNCESTON, TASMANIAN, 7250 — P.O. BOX 328 — PHONE: 31 7075

WE NOW HAVE IN OQR QUADRANT STORE A LARGE RANGE OF KENWOOD COMMUNICATIONS AMATEUR EQUIPMENT.

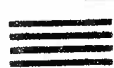
STARTING WITH THE POWERFUL TS820 THE SELECTIVE R820 AND THE SOPHISTICATED V.H.F. RIGS. THE SM220 STATION MONITOR AND THE RD300 DUMMY LOAD WILL FIT WELL IN ANY SHACK. THE NOVICE IS CATERED FOR IN THE TS120V A COMPACT STATE OF THE ART H.F. TRANSCEIVER. TS520 IS A NECESSARY REQUIREMENT IN ANY AMATEUR NOVICE SHACK.

THE KENWOOD H.C. 2 HAM CLOCK IS AN ACCURATE 24 HOUR WORLD CLOCK — RELIABLE AND D.C. POWERED.

THE NEW TR7600 IS A 2 METRE F.M. TRANSCEIVER WITH FREQUENCY MEMORY RECALL.

AT-200	ANTENNA TUNER SWR BRIDGE 3 POSITION ANTENNA SWITCH	\$ 185.00
H-2	HAM 24 HOUR WORLD CLOCK	\$ 36.00
MC-10	HAND MICROPHONE HiZ	\$ 20.00
MC-50	DESK MICROPHONE Hi/Low Z	\$ 45.00
PS-6	AC POWER SUPPLY 13.8 VOLT AND 6 AMP	\$ 144.00
R-300	COMMUNICATIONS RECEIVER	\$ 318.00
R-820	COMMUNICATIONS RECEIVER WITH DIGITAL DISPLAY	\$1210.00
SM-220	STATION MONITOR	\$ 440.00
TS-820	H.F. TRANSCEIVER WITH DIGITAL DISPLAY	\$1195.00
TS-520S	H.F. TRANSCEIVER	\$ 749.00
VFO-520S	REMOTE VFO FOR TS-520	\$ 163.00
VFO-820	REMOTE VFO FOR TS-820	\$ 195.00





VK ELECTRONICS



57 WEST PARK GROVE BURNIE 7320

CQ CQ Calling all North West Coast amateurs and hobbyists.
V.K. ELECTRONICS can now supply a wide range of commercial amateur
gear including test equipment, kitsets and pre-packaged components.
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Congratulations to the following, who were successful in the August AOCF exam..Donald Hughes ; Lloyd Cherry ; Jeffrey Cordell ; Frederick Burrows ; Ormond Fudge ,who all passed at AOCF level..Peter Butler ; Steven McDonald ; Paul Wagner ; Graeme Floyd ; Roger Healy ; Merv Pitman ; Lewis Jarvis and John Cole ,who passed at the AOCF level. So there are thirteen new calls soon to be issued which is certainly a tremendous effort..Well done fellas.

At the last Southern Branch meeting, it was moved by Ted, VK7EJ, that the building fund A/C be changed to the Clubhouse A/C. This was seconded by Ron VK7RM and carried unanimously. As we have now affiliated with SES, it remains to be seen what rooms and facilities will be available to us..The Executive hopes to have information on this and details of what equipment is required to be purchased for use by the members; by the next General meeting on 7th November. So if any members have any useful suggestions to add, then they will be welcome to air them on this occasion.

Next meeting there will be a film (G6CJ) Aerial Circus. This film has been vetted already by Graham, VK7GD, who thoroughly recommends it..Also after the next meeting there will be an Auction of the following equipment ; Several 45MHz FM portable receivers, an ex-mobile motorbike 4 metre band transceiver and also some odd lengths of aluminium tubing.

NEXT GENERAL MEETING....7th NOVEMBER

WAGS It will be the last opportunity at the next meeting to order wine and port which is being bottled at the combined Wine-bottling and Christmas Barbecue organised by WAGS. It is being held at Tom, VK7TM's QTH on Dec 1st..Andrew VK7AW is taking the orders and money.



J. D. ELECTRONICS

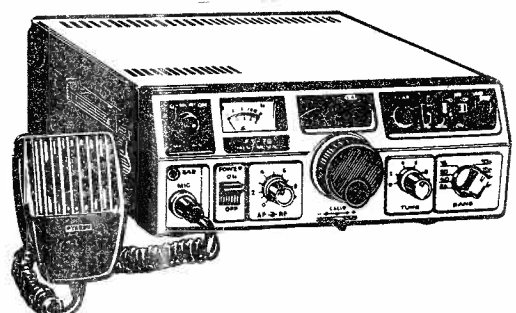
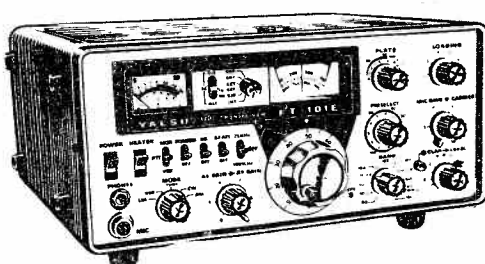
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AMATEUR EQUIPMENT AND ACCESSORIES



NORTH WEST BRANCH NOTES

by Joan Fudge

On October the 11th, members and friends met at Penguin High for the General monthly meeting.

Plans for the 22nd Jamboree-of-the-Air were reported and it would appear that 5 sites will be manned on N.W. coast.

A recommendation from the Branch Executive, to increase the branch membership levy to \$3 was carried by the meeting.

Tony VK7AX gave a detailed Beacon / repeater report, which included the approval from the UHF/VHF Advisory committee for the new beacon frequency of 144.47 MHz. The cost of the new beacon would be minimal, thanks to Graeme, VK7ZAQ.

The ATV group continues to enjoy fine attendances and VK7NW projects are underway. Surplus components from bulk purchases for kits, would be available at the next meeting. Winston VK7EM gave an interesting talk on colour television alignment.

The HF group has only had limited response so far, but the small group is going to man Paton Park for JOTA with such things as antenna held aloft by a gas filled balloon and instruction in construction of crystal radios for the scouts.

It is planned to hold a Family night for the December meeting and a Xmas raffle was discussed with the major prize being an open order of \$250 on Devonport Toy store. All proceeds will go to the Branch equipment fund, the balance of which stands at \$130.

Brian VK7NHB referred to the Penguin High school raffle and that the September meeting had agreed to support the School as a token of appreciation for the use of its facilities. Brian had tickets if anyone wanted them.

The equipment fund raffle for the evening, was won by Graeme VK7GS and the prize was an RF filter.

Wayne raised the question of WICEN and the Branch's possible participation in exercises similar to that conducted by the Southern Branch and the State Police. The meeting agreed that following a talk given by Inspector Tom Lallo, that the Police were very interested in communications supplied by the WIA, but the SES were very self supporting and there was little need for Branch help at this time.

Footnote Congratulations to all members who were successful in the August examinations. Steve McDonald obtained his Limited license and Peter, VK7ZFP now has full call qualifications. Quite a few passed regulation and morse sections.

Next month its back with Jim Davis as I have filled in for him in his absence this month.....Joan Fudge

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ICOM IC502 52 MHz SSB Transceiver and IC50L Linear amplifier to suit ; \$240 the lot.

Belcom Liner 10 ,12 watt PEP SSB ,10 metre Transceiver.

Continuous coverage 28.480 - 28.710 MHz VFO. This is not a converted CB rig but a genuine Amateur rig.

Set is in Mint condition ; \$200. Allen Burke VK7NAB

Phone 003 317914

TARC 79

REGISTRATION FORM

I wish to advise that the following will be attending the convention (Hamfest) for the whole weekend.....or Sunday only...(strike out not applicable)

Surnames

Christian Names

.....
.....
.....

.....
.....
.....

Childrens Names (if any)

Age

.....
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.....

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.....
.....

Fees

Full Weekend

;

\$19.50 (Family)

;

\$10.00 (Single)

Sunday only

;

\$6.00 (Family)

;

\$4.00 (Single)

Note

Full weekend cost includes Saturday evening dinner and drinks and Sunday lunch.

I enclose cheque for(minimum deposit \$5.00)

Registrations to ; Secretary, Northern Branch WIA

P.O. Box 275 Launceston 7250

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WANTED

WANTED

WANTED

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Preferably able to be dismantled for transport.Also a wind generator,tower (any height) and combustion stove.

Andrew Dixon VK7AJ

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IC511 6M ALL MODE	P.O.A.
IC551 6M ALL MODE 10W	\$799
IC551D 6M 100W. (NO FM)	\$849

KENWOOD

TS180S 160 - 10M HF 200W (NO DFC)	\$1109
TS120S 80 - 10M HF 200W	\$729
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TS520S 160 - 10M HF	\$650
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40 MHZ DIG. FREQ. COUNTER KITSET	\$99.5
50 Ω 50W NON INDUCTIVE RESISTOR	\$14.5
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