

THE WIRELESS INSTITUTE — OF AUSTRALIA —

TASMANIAN DIVISION

July 1962

Box 851J. G.P.O., HOBART.

Price 6d.

MONTHLY BULLETIN

PRESIDENT

Mr. T. Allen. VK7AL.

TREASURER

Mr. C. Harrison. VK7CH

SECRETARY

Mr. K. Millin VK7KA

Registered at G. P. O., Hobart, for transmission by post as a periodical

GENERAL MEETING.

The next monthly meeting of the Division will be held in the Club Room, 147 Liverpool St., Hobart, on WEDNESDAY, 4th July, at 2000 hours. The main item for the evening will be the playing of a tape recording of the edited version of the original talk by Ed. Tilton W1HDQ on "The History of VHF Propagation". This is a most interesting tape and a good evening is assured.

NORTHERN ZONE

The next meeting will be held at the residence of Mr. Geoff Lutwyche, 10 Ramsay St., Launceston, on FRIDAY, 13th July at 2000 hours. The subject for the evening will be a "Post-Mortum on Oscar II"

NORTH WESTERN ZONE

The date of the next meeting is TUESDAY, 3rd. July at 2000 hours at Lakin's Hall, Ulverstone.

SUBSCRIPTIONS.

All unfinancial members will have received an account by now so there is no further excuse for delaying payment any longer. Any whose subscriptions are still unpaid by 4th JULY will be removed from the "Amateur Radio" circulation list. We cannot continue to carry the cost of supplying "Amateur Radio" indefinitely to unfinancial members. It has already cost us several pounds.

Since our last Bulletin up to 18/6/62 subscriptions are acknowledged from the following :

VK7GB. VK7LK. VK7LD. VK7ZAL. VK7ZRJ. Messrs. S.R.Cooper, J.E.Macey, K.M.Morgan, R.A.de Balfour and C.Russell-Green.

A. O. C. P. CLASS.

There has been sufficient response from both members and non-members to make this project worthwhile, so the class in charge of Mr. T. Connor VK7CT will make a start on TUESDAY, 10th JULY at the Club Room at 1930 hours. All those interested should be in attendance on that date, bringing along a good big exercise book and pen or pencil. Classes will be held each week and fees will be £2-2s/- per term for members and £3-3s/- per term for non-members, payable in advance each term.

There are still two or three vacancies, so if you are interested but have not yet done anything about it better see VK7CT at a straight away or you could miss out.

AMATEUR LICENCES FOR CLUBS ETC.

Members will have seen the recent press publicity regarding the opening of VK7BS, the 13th Hobart Scout Group station. It is possible that further applications will be made by other similar groups, and whilst individual members are, of course, perfectly at liberty to act as sponsors if they think fit, it is suggested that if any approach be made the matter be first referred to Council before agreeing.

R. D. CONTEST

Another reminder to overhaul the rig and make sure that everything is in order for the big event next month. We'll need all the points we can get to have a show of bringing back the trophy.

V. H. F. RECORDS.

The latest official list of V. H. F. records in Australia supplied by the Federal V. H. F. Manager is :

N. S. W.	50 mc/s	VK2RU - JALANO	4809 miles	1/4/56
	144 "	VK2ASZ/2 - ZL3AQ	1342 "	31/12/61
	288 mc/s and above	No claim.		
Victoria.	50 mc/s	VK3ALZ - XE1FU	8418 "	1/5/59
	144 "	VK3ZCG - VK4HD	887 "	27/12/61
	288 "	VK3ALZ - VK7LZ	282 "	10/1/60
	576 "	VK3ANW - VK3AKE	80.1 "	11/12/49
	2300 "	VK3XA - VK3ANW	9 "	18/2/50
Queensland	50 mc/s	VK4NG - JALANS	4140 "	22/1/56
	144 "	VK4HD - VK3ZCG	887 "	27/12/61
	288 mc/s and above	No claim.		
Sth. Australia	50 mc/s	VK5KL - W7ACS/KH6	5361 "	26/8/47
	144 "	VK5GL - VK6B0	1322 "	30/12/51
	288 "	VK5AW - VK3ZCG	262 "	23/1/61
	576 mc/s and above	No claim		
West Australia	50 mc/s	VK6BE - JA8BP	5490 "	- -
	144 "	VK6B0 - VK5GL	1322 "	30/12/51
	288 mc/s and above	No claim		
Tasmania	50 mc/s	VK7BQ/7LZ - VK9DB	2205 "	
	144 "	VK7LZ - VK5BC	609 "	28/4/59
	288 "	VK7LZ - VK3ALZ	282 "	10/1/60
	576 and above	No claim.		

Any claims for contacts should be forwarded to the Federal V.H.F. Manager, through Box 2611W, Melbourne, and should take the form of a signed declaration containing the following information :

1. Band used (crossband working is not allowable for record purposes).
2. Date of contact.
3. Location and call signs of stations at time of QSO. (Lat. & Long. if possible)
4. Distance claimed.

QSL cards may be submitted for confirmation, if available, but are not essential.

RADIO AURORA INCIDENCE

The attention of V.H.F. Group members is drawn to the letter from the R.S.G.B. on page 7 in May "Amateur Radio". If any member can help please send reports either to D. Rankin VK3QV, Federal V.H.F. Manager, or to our Federal Councillor VK7EJ no later than 31st July.

QSL CARDS

There are still a number of Full Members from whom we would like a QSL card to add to those already up in the Club Room. We have plenty of room left so if yours is not there please let the Secretary have one.

Whilst on the subject of QSL cards, As mentioned in February Bulletin we are anxious to have a card of each of the Division's "Silent Keys" and to date have VK7DX, VK7MM, VK7AH, VK7JH, VK7CS, VK7KV, VK7MC. Still wanted are VK7MR (M. Richardson), VK7XA (C.E. Oldham), VK7HL (H.F. Lovett) and VK7AJ (A.W. Johnson). If anyone can let me have any of these it will be much appreciated. Also, if I have missed any calls from this list I would be glad if you would advise me.

NEW MEMBERS

We welcome the following new associate members : Messrs. Sid. Cooper and H. P. Schulz.

CLUB HOUSE FUND

We acknowledge with thanks a donation from Mr. L. Dodge VK7LD.

COUNCIL MEETING.

The July meeting will be held at the residence of Mr. L. Edwards VK7LE, 10 Musgrove Rd., Lindisfarne, on MONDAY, 16th. July.

A special Council Meeting will also be held at the Club Rooms on WEDNESDAY, 27th June.

DIVISIONAL BULLETINS.

It may not be generally known that we receive the Bulletins produced by other Divisions each month, except VK3. VK2 in their June issue mention this and give short extracts from some, including ours. This is an excellent idea and in future we will repeat anything considered of general interest appearing in other Bulletins.

Some of the technical articles in other Bulletins during the last couple of months are :

VK2 Transistorised Converter for 3.5, 7 and 14 mc/s by VK2SQ

VK4 Transistorised G. D. O. by VK4VJ

Matching Silver Mica Condensers by VK4PR

VK5 Delayed Relay Control for the C.W. Man by VK5FY

Transistorised Crystal Controlled Converter for the 6 metre band.

Make your own Balun coils.

Calculating the Impedance of Grounded Grid Linear Amplifiers by VK5QL

For 288 mc/s Enthusiasts by VK5PU

Stable Wide Band Amplifier.

Transistorised Converter for 144 mc/s

VK6 H.T. Power Supply using Transistors by VK6MM (See last month's Bulletin)

Crystal Calibrator Circuits using Transistors.

Multi Band Ground Plane Antenna.

If anyone is interested in any of these articles contact VK7CH who will make the Bulletin available on loan.

TECHNICAL ARTICLES.

Our Technical Editor VK7MY would like technical articles for inclusion in this Bulletin, and he would also like to have any suggestions for the type of articles which would be of most interest to readers. Surely we have some one who could let us have an item occasionally.

CORRESPONDENCE.

We have at least one member who reads the Bulletin (and Divisional Notes in "Amateur Radio" apparently) and noticed our invitation in last month's issue.

Letters are printed as received and opinions expressed therein do not necessarily coincide with those of the Bulletin Committee or Council.

Dear Sir,

From reading the monthly News Reports in "Amateur Radio" it seems that whenever a callsign is mentioned it must now be prefixed with the holder's "handle" instead of "VK". Such is not necessary and is a waste of space, as I estimate that half a column more would be available to print something more interesting if it were dispensed with. The same call often appears more than once and always prefixed the same way. A horrible example of this is the first paragraph in our own VK7 notes in June Amateur Radio where six individual members of Council are mentioned, in all ten times and in each case the name is repeated.

Within the State the names are already known to most, they should be as they have been mentioned often enough, and I would think that if anyone else does read these notes he is not very concerned whether the VK7 he does not know is called Bill, Chuck or even Marmaduke, and if he does know him he probably knows his name anyway.

If the A.R.R.L. ever gets to hear about this and adopts it for their Station Activities section their membership fees would have to go up considerably to pay for the greatly enlarged "QST" that would be needed.

So let us cut out this superfluous nonsense, and on those rare occasions when it is thought that the callsign alone is not sufficient identification, use initials and surname.

Yours etc.

Mo.???

(Perhaps the Divisional Sub-Editor would like to comment. C.H.)

BADGES AND LOG BOOKS.

Available from the Secretary - badges 5s/- log books 5s/6d each.

V. H. F. NOTES. by VK7ZEE

The next meeting of the VHF Group will be held on the 18th July - it has not been decoded what the lecture or visit will be. A new station on the VHF bands is VK7ZDM Danny, who is operating from Taroom. He is using a 522 on 144.7 mc/s.

2 Metres. The following is an extract from the local newspaper. "Are there many of these? A young midlands farmer has installed in his farm utility a T.V. set with antenna" None other than VK7ZBA mobile and his 3 element beam.

Oscar II is expected to be burnt up in the atmosphere by the time this bulletin is published as it's period has decreased and it's HI rate has increased. It is hoped that all amateurs who heard it will submit reports.

6 Metres. The winter DX season has started in VK2, 4 and 5, but no openings have been noted in VK7, apparently due to the lack of activity. It has been announced that 50 - 52 mc/s can be used until further notice so you can put aside the problem of shortening bea, elements for a while.

If you have any news of VHF interest for the Sunday morning broadcast it should be passed on to Phil VK7ZAX on 6 metres at 0950 on Sunday mornings.

VK7ZEE

50 - 52 Mc Band.

Following the publication of the frequency table in last month's Bulletin to be operative from July 1st, there appears to be some doubt regarding the use of the 50- 52 mc/s segment to 31st December 1962. Federal Executive advise that the approval to use this band until that date still stands on the understanding that amateur stations will vacate it within 14 days of receipt by the Institute of notice to do so. Application for extended use will be made in due course subject to Channel $\emptyset$ T.V. operation.

Members are reminded that second harmonics of signals in the 50 - 52 mc/s band fall in TV channels 4 and 5 (94-101 and 101-108 mc/s respectively) which will be brought into use in the near future. Should it be found that harmonic transmissions cause interference to television services on those channels it may become necessary to review the position at short notice.

FOR SALE

TV Power Transformer P. 200v, 220v, 240v, 255V. Sec. 110v. 6.3v fil. and two 12v. windings, £2. Type AT7580 turret tuner £4. Horizontal output transformer £1. High impedance headphones 12s/-. Rola 54C speaker 10s/-. Morse key 6s/-. Midget 2 gang condenser with reduction drive 10s/-. See Mr. J. Oliver VK7JO, 83 Montagu St., New Town.

SWAP SHOP (Refer last month's Bulletin)

No business.

QUESTION BOX (Refer last month's Bulletin)

The question box will be installed in the Club Room in time for next meeting and we would like to see it made use of.

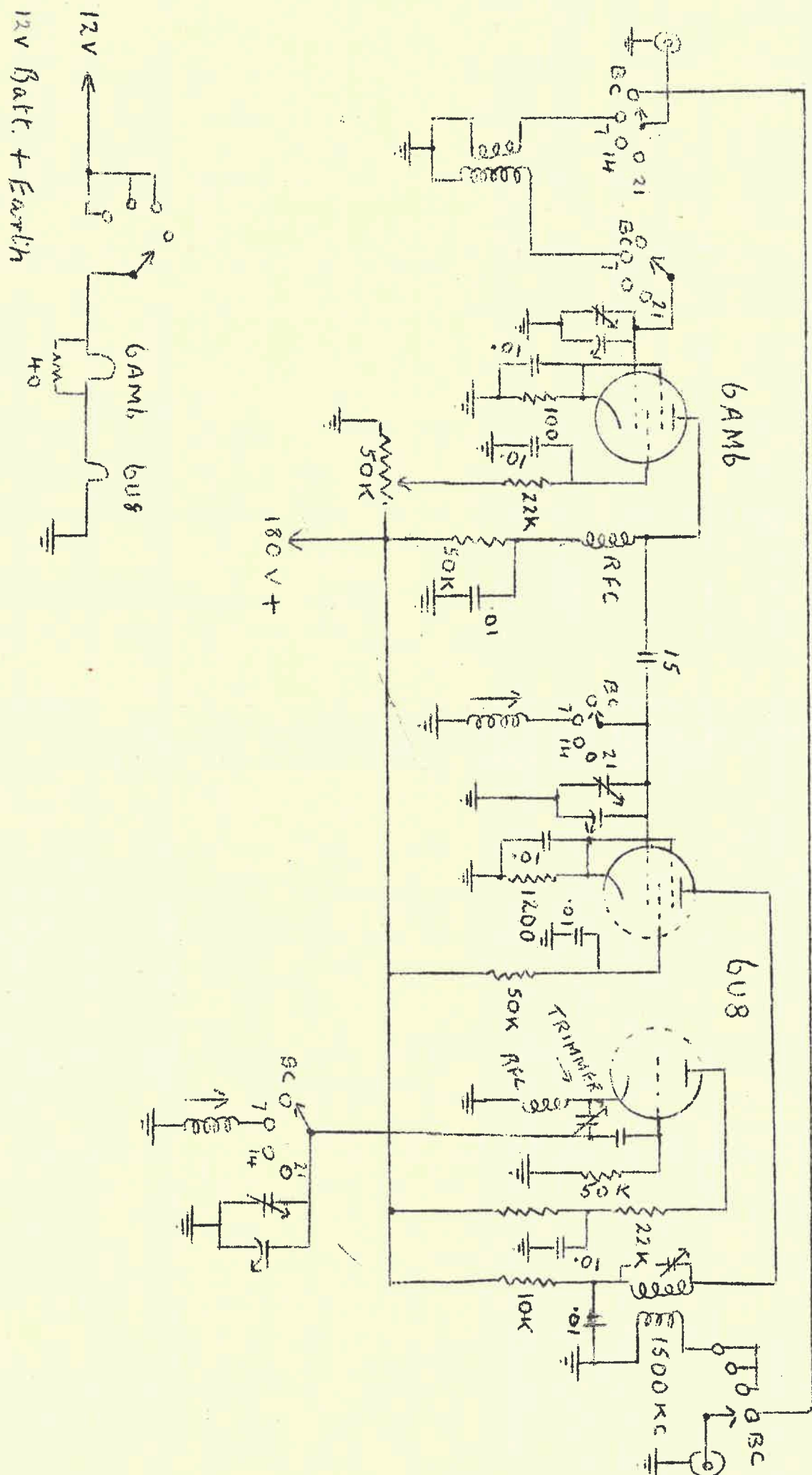
T E C H N I C A L. by VK7MY

Short Wave Converter.

This converter is designed to be used ahead of a standard B/C receiver, the one in use at this station being ahead of a car set for mobile operation and gives good results with a 50 or 144 mc/s crystal converter ahead of it. The main consideration for this line up is to make sure the converter will tune a band width of at least 4 mc/s on any one band. A simple B.F.O. can be installed in the B/C receiver for the reception of C.W.

The converter is designed so that a minimum number of switch banks are required. The tuning condenser used here is the one out of the 128 set, cut down to 3 stator and 2 rotor plates which gives good bandspread for normal use. The valve line up can be to suit the constructor or valves on hand, and AVC could be used if desired although I found it not worthwhile. The coil forms used were ex. 123 set but any type may be used providing they have an iron slug. The 1500 kc/s output is a 1600 kc I.F. with slugs removed and padded up with a Philips trimmer, approximately half the secondary turns removed.

Circuit is on page 5.



THE UNIVERSITY OF CHICAGO
LIBRARY

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25