

THE WIRELESS INSTITUTE OF AUSTRALIA

MONTHLY BULLETIN.

Tasmanian Division
Box 8510, G.P.O.
HOBART.

Nov./Dec. 1961,

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.

Owing to circumstances beyond our control there was no Bulletin published last month. (Nov.)

GENERAL MEETING.

The Next General Meeting of the Tasmanian Division will be held at the Physics Lecture Room, University of Tasmania, Sandy Bay at 7.30 p.m. SHARP.

PLEASE NOTE THE CHANGE.

LECTURE.

We are very fortunate this Month in that our Lecturer will be Dr. K. McCracken, VK7KM? who will give us a talk on his work at the Massachusetts Institute of Technology, U.S.A. Ken has been at the M.I.T. for the last three to four years and has been involved in quite a lot of work, including satellites and electronic computers. ALL VISITORS WILL BE VERY WELCOME. So if you know anyone that will be keen to find out what is going on in this sphere, BRING THEM ALONG.

NORTHERN ZONE.

The next Meeting of this Zone will be held at the Aero Club Messroom, Western Junction on Friday Dec. 1st. Please Note this Date.

North-West Zone.

No information at time of writing (or stabbing)

S.W.L. Group.

Last Meeting. A discussion was held re the future of the S.W.L. Group. It has been more or less decided to abandon our Monthly Meetings but still keep the Group on the map as far as the Bulletin, "Amateur Radio" and VK7WI are concerned. The idea was to continue having our Meetings until such time as our younger members have a converter working on the H.F. bands. This project is well in hand.

This is NOT a final decision. We need all members possible at a meeting before we can decide something as drastic as this. We therefore request that every Member that can possibly attend our next Meeting does so.

THIS MEANS YOU.

It is owing to lack of attendance that this measure is rendered necessary.

NEXT MEETING.

This will be held on the second Wednesday of Dec., the devil's number, the 13th. As stated in the previous paragraph, ALL Members PLEASE make an effort to attend. In fact not only make the effort, but BE there.

Sgnd. Mike Jenner. 17007/ VK7ZAV.
Hon. Sec. S.W.L. Group/

The conclusion of Oct. Technical article is included elsewhere in this Bulletin. Thanks Mike. (Ed.)

V.H.F. Group.

The next Meeting of this Group will be held at the Club Rooms, 147 Liverpool St. on Wed. Dec. 20th. at the usual time.

We have received a tape from the VK3 V.H.F. Group informing us of their activities and general equipment used in their State and suggesting a system of tape recordings exchanges on H.F. Band skeds to provide liaison between States on V.H.F. activities. This seems quite an excellent

idea and no doubt you will here more of it.

In this regard Ted. VK7EB? has offered his services, which were gratefully accepted, to provide piason, when required, via the H.F. Bands.

FREQUENCIES OF VK3 STATIONS. (V.H.F.)

Keep this for reference.

Following is a list of Mainland Stations actively looking our way for DX.
(in order of frequency and call area.?)

	VK3 ZDF.	Peter	Sal e	144.08	
	VK3 QZ	Graham	Traralgon	144.28	(approx.)
	VK3ZKO/3			144.30	
	VK3ZAQ	Ross	Warragul	144.36	
	VK3DY	David	Maffra	144.38	
	VK3NN	Herb	Yanao	144.41.	
V	VK3ATN	Ray	Birchip	144.42	
	VK3ZAB	Stan	Traralgon	144.42	
	VK3TH	Gordon	Yinnar	144.53	
	VK3AIT	Cliff	Pearsondale.	144.65	
	VK3ZBV	Jim	Morwell	144.69.	
	VK3ZCG	George	Morwell	144.73	
	VK3AAU	David	Ripplebrook	144.78	
VK3ZLT	VK3ZIT		Me lbourne.	144.83	
	VK2WH.	Hug o	Forbes	144.005	
	VK5GJ	Lee	Mt. Gambier	144.50	
	VK5ZDR	Mic k	Adelaide	144.17	
	VK5AW		Penola	144.65	

Easiest VK3's to work should be VK3ZCG? 3ZDP, 3DY and 3ZAQ.

(Signes R. K. Emmett. VK7ZAO.

COUNCIL MEETING.

The next Council Meeting will be held on the SECOND Thursday in December, i.e. Dec. 14th. COUNCIL MEMBERS PLEASE NOTE. The venue of this Meeting will be at the residence of Mr. D. Watson, VK7DW. The date has been changed because it is considered that the normal 3rd. Thursday will be too close to Christmas.

APPLICATIONS FOR MEMBERSHIP.

You are again reminded that all Applications for Membership MUST be accompanied by the requisite Sub. If this is not adhered to in future applications will be returned to the Applicant. Still a lot of work but the lesser of three or four evils. DON'T FORGET.

CHANGE OF ADDRESS.

Changes of Address, Non-receipt of A.R. or the Bulletin Must be notified direct to the Divisional Secretary, NOT To "Amateur Radio". Any other action than this will only add to the confusion.

TRANSMITTER HUNT. (or FIRD DAY)

On Dec. 10th. next a Transmitter Hunt will be held AT South Arm. The general idea is that everyone will travel to South Arm and havinf disposed of the XYL and harmonics, or the YL, the OM S can proceed to chase around searching for sundry hidden pieces of radio apparatus. No need to limit it to one hunt those interested can carry on all day as long as they can talk some one into hiding the Thing for them. The proceeds from this event will be for the Club Room fund. The charge is 10/- per car (or 'bus) so EVERYONE, please come along and make this event a success. The kids and all can have a really good day at the beach, they may get sun-burn but it'll pass. BE IN IT FOR THE LAST SOCIAL EVENT THIS YEAR.

Jamboree- of the-Air.

I have received the following letter.

"We would like to express our sincere thanks for all that your institute have done to make the recent Jamboree-on-the-Air such a success. Would you please convey this to your members throughout the State.

Yours sincerely,

(Signed) D. G. FINLAYSON

Organizer "Jamboree-on-the-Air"

CALL BOOKS AND LOG BOOKS.

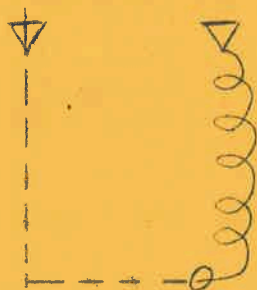
We are extremely pleased to advise that at long last the 1961-62 Call Books and a reasonable supply of the new style Log Books are now to hand. So if you require one or the other or both of these please notify the Hon. Sec. as soon as possible. Some of you have already ordered your requirements, but is now that long ago that perhaps I can prevail upon you to re-order. THANK YOU. The prices are Call Books 6/- ea. and Log Books 5/6.

COPY FOR BULLETIN.

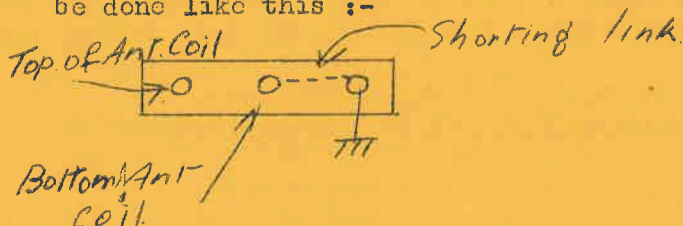
IN future, at least until March next year, ALL copy for the Bulletin MUST be in the hands of the Secretary on or before the 3rd. Thursday in each month. Anything received after this date may get in but is going to be lucky so to do.

TECHNICAL. (Continued from Oct. Bulletin.)

Construction Points. All leads should be kept as short as possible. Fixed condensers should be mica or ceramic. The coils should be shielded from each other and from the associated valve. High tension can be picked up from the receiver into which the converter is being fed, as also the filaments. These leads can be in ordinary plastic flex or similar. The variable condensers MUST be mounted rigidly and the leads from these kept as short as possible. For best results the connecting cable between converter output and receiver antenna. Terminals should be coax to reduce or eliminate broadcast station interfering. The 50 P.F. variable condenser across the Secondary winding of the antenna coil is the peak the signal on a given frequency and may have to be repeated as the converter is tuned from one end of the band to the other on each set of coils. The 100 P.F. Condenser across the oscillator grid winding is the band set control. The 35 P.F. condenser should have a slow tuning dial on it although I did not find this necessary. This condenser tunes a small band of frequencies set by the larger condenser. If the 7 mc. coils are plugged in and one wishes to tune the 7 mc amateur band, the band set condenser is slowly tuned until amateur sigs are heard. These can then be tuned by the bandspread control. If a note is kept of dial readings for various frequencies on each set of coils, then the required frequencies can be easily located. To tune up the converter when first constructed, connect the output of the converter to the aerial terminal on the receiver, connect filament and high tension supplies and, of course, switch on. Tune B.C. set to 1600 Kcs and then tune the converter band set control until a signal is heard (Any band). Now adjust the trimmer and slug on the output coil until a peak in volume is heard. Now adjust the antenna trimming control for a further increase in signal, and your in business. The adjustments on the output coil should not have to be touched again. In the circuit of the antenna connections shown thus



It can be seen that the unit can be used on a balanced antenna feed system, or by earthing the bottom end of the coil with a piece of wire. This can be done like this :-



Well, that should just about cover it. If any difficulties in constructing this converter are encountered, don't hesitate to drop me a line and I will be only too pleased to help you out.

73's MIKE JENNER

Thanks , Mike for a very useful Technical article.

FOR SALE.

Mrs. Johnson has requested that we advertise the following equipment which belonged to the late Mr. Athol Johnson. VK7AJ.

2 Metre final P.D. 8012. £5.
2 Metre Receiver. 8 valve with speaker. £8
" Metre transmitter. £8
Power Supply £3
V.F.O. £8.
Speech Clipper £4.
Receiver. 11 valve £18.
Transmitter. Power Supply. £15.
" Modulator. £20
" R.F. Unit. £10.
" Rack & Aerial Unit. £5
Power Supply. £7.
Wobbulator. £8
Oscillator £4.
Multivibrator. 1000 Kc/s etc. £8.
Other bits and pieces, also crystals.
At home evenings & week-ends. Phone 26401.

NOMINATIONS FOR FEDERAL COUNCILLOR.

Nominations are hereby called for the position of Federal Councillor. Nominations close on the 14th. day of Dec. next at 6 p.m. Nominations must be forwarded to the Returning Officer, Mr. J. Brown 12 Thirza St New Town. The attached form should be self-explanatory.

We, the undersigned, who are Full Members of the Wireless Institute of Australia, (Tasmanian Division) do hereby nominate who is also of the above standing, for the position of Federal Councillor for the year 1962-63.

Proposed Date

Seconded Date

I agree to accept the above nomination and, if elected, to act in the above capacity

(Signed) Date

All the news for this month. On behalf of the President and Council of this Division I wish you all a Merry Christmas and a Happy and Prosperous New Year, also a accident-free holiday.

73

K. E. Millin.
Hon. Secretary.

FOR SALE ; University Oscillator. 5 ranges 170 Kc/s to 32 Mc/s plus 400 Cycle Modulation. PRICE; £12. or near offer. Phone 77399. MR. HUGHES.