

THE WIRELESS INSTITUTE OF AUSTRALIA

TASMANIAN DIVISION

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

MAY 1966

M O N T H L Y B U L L E T I N

PRICE 5c.

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VK7AL

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VK7CT

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VK7CR

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

EDITORIAL

The Editor has been very busy this month, baby sitting. Takes some getting used to so on her behalf, this lot is by the Editor's Editor.

The results of the Athol Johnson Memorial Contest were released this month, and to say the least, were rather disappointing. With all the activity on VHF at the moment, and the ranks being swelled all the time, I would have thought this would be a record year. I hope the results, published later in this bulletin, will shock a few into participation in next years contest.

Speaking of the ranks being swelled, there are two or three new calls on the 6Mx Net now, and we wish you a warm welcome. A few of the call signs active at the inception of the net frequency have not been heard for some time and I feel it is about time we had a full scale WICEN exercise, for two reasons. Firstly, to try out the system and iron the bugs out, as this is basically the reason for the net in the first place, and secondly, to reactivate an interest in the net and give some of the newer operators experience in message handling etc.

Winter is coming on and for that reason, 80Mx is on the improve, and we hope that in the near future this band will be frequented by the Editor, VK7LY. The rig is operative on CW and will shortly be fired on fone.

Was very pleased to hear a few AM signals on 20 the other day. Ws too! So come on all you chaps who have given the game away because you could not compete with the SSB boys. There are three basic forms of communication, and all have their merits.

VK7ZAV.

MEETINGS FOR MAY.

MAY 3rd North West Zone meeting. Lecture by VK7SF on recent CEN visit to Mt. Maserton. Lakins Hall, Ulverstone, usual time.

4th Headquarters General Meeting. Lecture per broadcast. 147 Liverpool St.

13th Northern Zone Meeting, Adult Education Rooms, 51 York St., Launceston

16th Council Meeting.

18th Annual General Meeting VHF group, Club rooms, Hobart, to be followed by (providing afformentioned Editors Editor makes neccesary arrangements!) a visit to the Met office, Llanherne aerodrome.

SLOW MORSE. Oops, continued next page.

SLOW MORSE.

Thanks to time generously given by Ian, 7ZZ and Brien, 7TX, when Ian is unavailable, a slow morse session is held each Tuesday, Thursday and Sunday at 2000 hrs on 53.035 mcs. As the CW is sent according to receiving capabilities, and checks are taken throughout transmission, this individual form of CW coaching should achieve results in forthcoming exams.

SUBSCRIPTIONS.

A list of Subs. paid appears below. Please regard this as acknowledgement that you have paid. If you have paid, and your name is not on the list, dont worry - it will appear in next months bulletin. If a receipt is required, you should request one from the treasurer, enclosing a stamped, addressed envelope.

SUBS. RECEIVED TO 19/4/66 (All call signs to be preceded by VK7).

ZFL, L.N.Smith, RL, R.J.Vernall, RM, ZAS, B.Morgan, KS, P.Jones, AL, JD, CW, ZPT, T.Cox, J.PALMER, KC, RY, F.Penacki, ZZ, Mrs. I. Nichols, ZTK, JO, ZAH, ZSD, TE, D.H.Clifford, ZAO, ZJG, ZRG, LT, RG, AI, AG, F.Richeleiu, R.F.Grant, P.Goddan, PA, KA, R.Johnston, ZBE, JB, YL, T.E.Inches, B.Morse, D.Porthouse, FM, DK, M.J.Hart, ZGJ, ZPD, ZAP, D.Allen, DZ, EB, ZAG, D.F.Ford, BP, ZW, M.Koglin, TR, CK, TT, O.L.Jacobson, EJ, T.Eadie, J.M.Vout, L. Cooper, ZMD, P.Stirling, M.J.Boyd, ZAI, P.Heckscher, OZ, DR, TA, B.C.Young, LZ, P.Cenly, B.M.Livingston, ZBA, CR, AF, G.J.Harper, ZRJ, R.W.Brown, G.D.Noble, J.R.Hansen, R.J.Everett, W.E.Boris, A.L.Beaumont, W.Maxwell, R.Groom, I.F.Ling, KH,EP, C.G.Waldon, J.R.Darling, ZMW, R.K.Jaeger, H.P.Schultz, JP, Donations are acknowledged from BJ, CH, BQ, OM, ZBA.

COUNCIL for this year is T.Allen, 7AL, President. T.Conner, 7CT, Treasurer, C. Russel Green, 7CR, Secretary, E. Cruise, 7EJ. G.D'Emden, 7ZAS. J.Grace, 7ZJG. I.Nichols, 7ZZ. We wish every success to the council members for the ensuing financial year, and we know that your efforts will always be with and for the WIA Tas. Div.

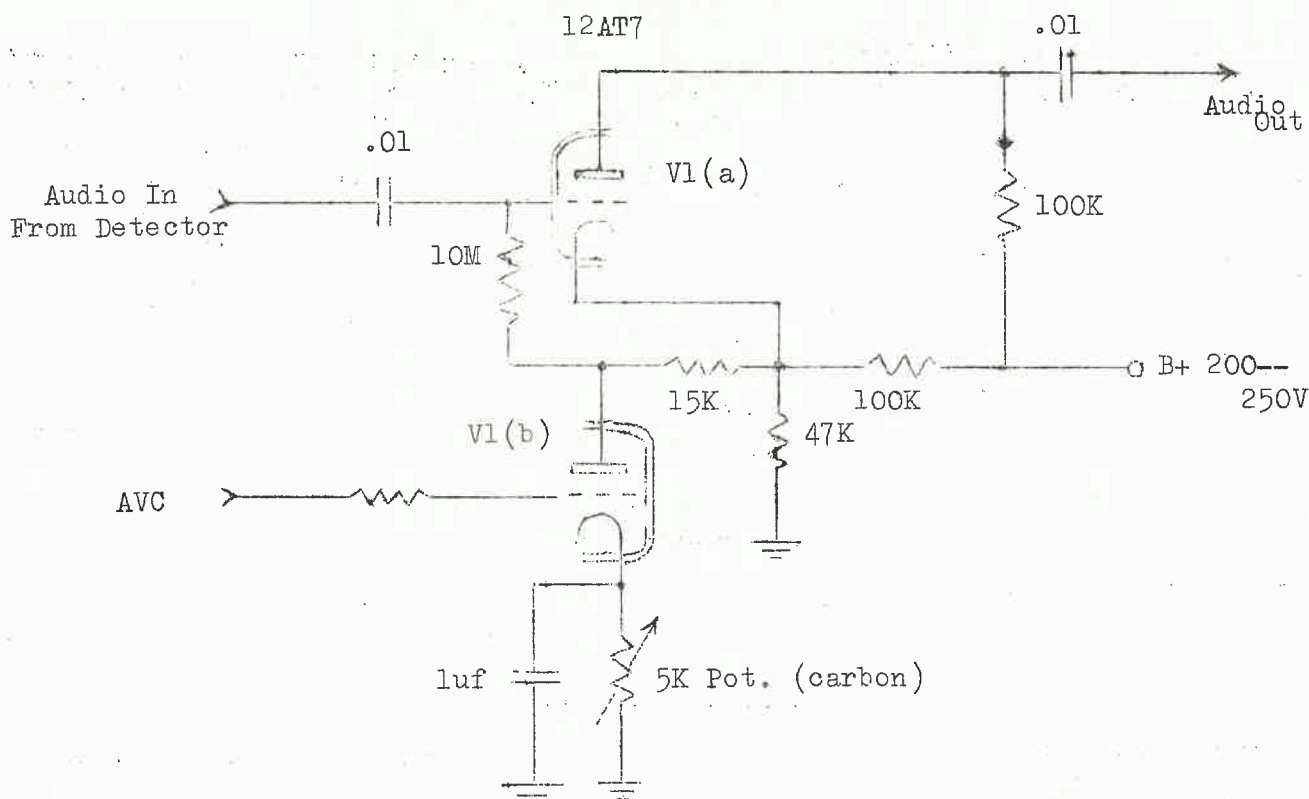
ATHOL JOHNSON MEMORIAL CONTEST.

Due to the fact that only one log was received for this contest, Ian, 7ZZ is declared winner. Nuff said !!!!! (Thankyou very much Ian. You have permission to sit the next one out if you so desire.)

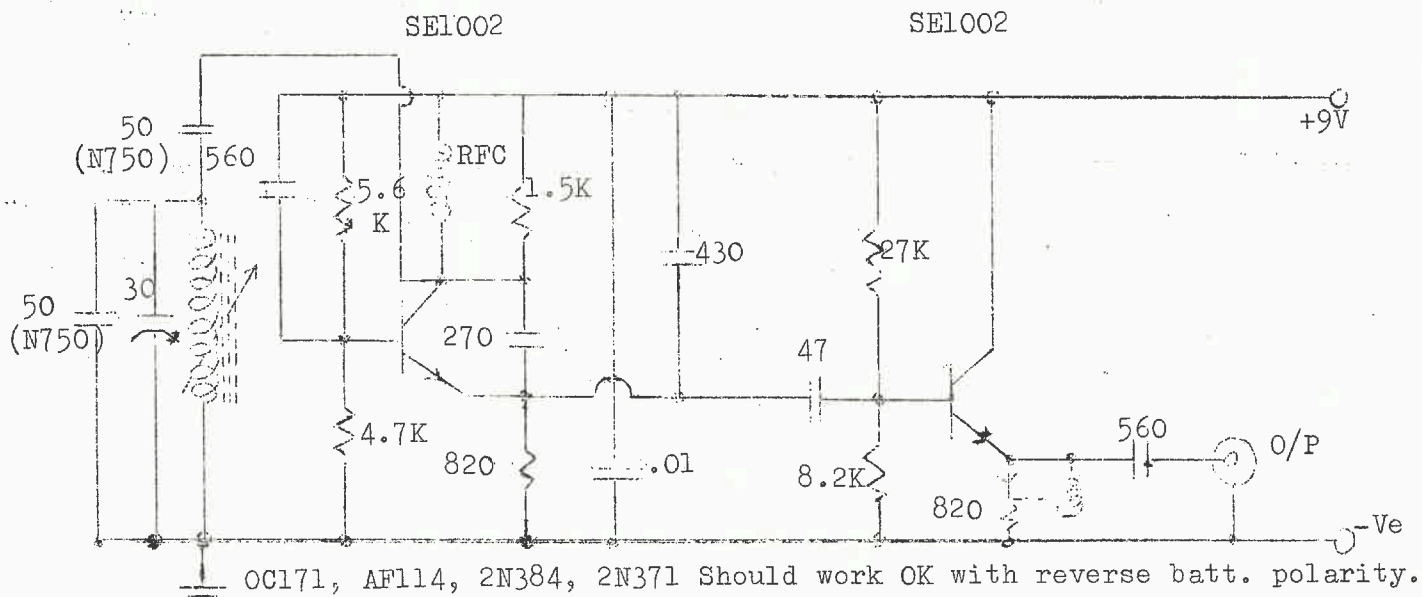
This month, you will find a reprint of last months technical article. If this one doesnt come out, 3rd time lucky, we'll try again next month, Hi.

STATE WIDE NEWS.

REPRINT OF LAST MONTHS TECHNICAL ARTICLE CIRCUIT by VK7ZWN.



TECHNICAL ARTICLE."SOLID STATE" VFO by Lee Cordell, VK7KC.



After thoroughly testing and finally discarding many solid-state circuits for which extravagant claims had been made, I finally came into possession of the circuit used in the SWAN 350. With slight modifications to suit my requirements and the transistors on hand, but minus switching, I came up with the above circuit. All tests were carried out against a xtal calibrated freq. meter and this circuit proved to be the most stable I have used- valve or solid-state. It is currently used in my SSB transceiver with no reports of drift. In my case the supply voltage is taken from the 150V supply thru' a 15k.10w. resistor to a 9.2v. zener diode.

The output at 5mcs is about .75v. or with a small RFC in the emitter lead, 2v. This circuit has been used on 8 & 12 mcs with equal stability.

Although I used Fairchild NPN transistors, other types are quite satisfactory. Included in those tested were some from Lee Gunther's "Surplus Computer Boards" with identical results. In fact I have one of these operating in an oscillator at 432 mcs. (How 'bout that Lee?)..... A final word - Solid-state equipment is a push-over to construct. Try it.

VK7KC

APRIL MEETING? (FOXHUNT)

This meeting took the form of a 6m. foxhunt as discussed at the March meeting. Ian, VK7ZZ and Brian, VK7TX were the "Fox" and left the club rooms about 10 minutes before the hounds. After much touring of the city and close suburbs and many "NOs" it was found that the fox's trail was up Waterworks road. Winston, VK7ZAP led the chase up past the reservoir with David, VK7ZMD a couple of minutes behind, and Mike 7ZMC a further couple of minutes back with many others making their way towards the road and reservoirs behind him. Winston was first to find the fox followed by David, VK7ZMD and Mike, VK7ZMC. Another twelve mobiles arrived soon after and the "invasion" of Ridgeway and the fox hunt was complete.

Mike, VK7ZMC was selected the second fox and "went to ground" along a street off Lynton Ave. Winston was first again to locate the fox followed by Reg VK7ZAO and David VK7ZMD. Well done Winston and thanks to Ian, Brian and Mike for being the "Foxes".

2 METER ACTIVITIES

Very little activity on this band as compared to that of a couple of months ago. Dave, VK7ZY has been on for Slow Morse, as has Sandy, VK7ZFL.

6 METER ACTIVITIES

Barry, VK7ZBJ has a controlled carrier transmitter newly completed. After a few troubles Barry has the rig producing a large signal; on the band. Well done, it sounds very nice. Slow morse is still continuing on the net frequency.

New stations to be heard on 6m. are Roger, VK7ZUW and Phil, VK7ZPT. Phil has had some transmitter troubles but seems to be getting things right.

NORTH AND NORTHWEST ACTIVITIES

Bob Wilson, VK7ZAA is active on 6m. from his QTH in Burnie. Mike VK7ZMW is located at North Down at present and is constructing 2m. gear. VK7XL has some 2m. equipment under construction. His 2m. converter I believe is completed and working. VK7ZAH, Kevin at Ulverston worked VK3s on Sunday 17th. April with 5-9 signals both ways.

Roger, VK7ZSD worked VK3s on 6m. from his mobile two thirds of the way up Mnt. Barrow. Roger is in camp at present with the CMF. and has been heard around Hobart operating mobile.

.....see you all next month
David
VK7ZMD.