

THE WIRELESS INSTITUTE OF AUSTRALIA

TASMANIAN DIVISION

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

OCTOBER 1966.

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

PRICE 5c.

PRESIDENT: Mr. T. Allen
VK7AL

TREASURER: Mr. C. Connor
VK7CT

SECRETARY: Mr. C. Russel-Green
VK7CR

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

EDITORIAL.

How time flies!... Jamboree of the Air time once again. I know that this year will be as successful as others, if not more so, particularly with DX conditions as they are at the moment. We should see many overseas contacts made, providing of course the "Gentlemen" who have been predominant of late, the ones who delight in running VFOs up and down the bands with carrier on, tuning up on channels which are in use etc., can refrain for just one weekend!

As mentioned in several earlier issues, there will be about 5 Z calls trying for the morse this month in the Southern area, and as this is the last issue before the big day, the best of good luck to you all. Judging by the efforts of these chaps on the odd occasions I have given morse practice on the Net frequency, I would say none will have any trouble in passing.

Speaking of morse, (who said it was a dying art?) for those who have trouble in controlling the "Brass Bar Modulator", there is a very interesting circuit in this issue for an electronic keyer, tried and proven by two of the locals.

73s VK7FeedBack.

DATES FOR OCTOBER.

OCT 1st & 2nd... VK--ZL contest, rules in AR.

4th..... North West Zone Meeting, Lakins Hall, Ulverstone, 2000 hrs.

5th..... Headquarters General Meeting, 147 Liverpool St., Hobart, 2000 hrs.

8th & 9th... VK--ZL contest.

14th..... Northern Zone Meeting, Adult Education Rooms, 51 York St., Laun.

17th..... Council Meeting.

17th to 22nd. Reece High School Exhibition with VK7WI/P operating.

19th..... VHF Group Meeting, 147 Liverpool St., Hobart 2000Hrs Sharp followed
by a Fox Hunt.

22nd & 23rd.. Scout Jamboree of the Air.

LECTURES.

5th.... General Meeting. A lecture by Winston, VK7WH on the conversion Pye

PTR1 HF mobile units will be given. Winston is using one of these units himself, and the results speak for themselves. See the advertising section for the reason for this lecture!!!

NOTICES.

AT THE GENERAL MEETING on 7th September the secretary, speaking on behalf of Council, moved that in view of the outstanding service rendered to the Tasmanian Div. Terry Conner (VK7CT) be elected to Life Membership.

The details of Terry's service were summarised as follows:- Councillor for 9 years, Vice President for 3 years, Publicity Officer for 1 year, on the Bulletin Distribution Committee for 2 years, Broadcast Officer for 5 years, conducted an AOC class both at the Hobart Technical College and in the Club Rooms for 8 years and is currently Councillor, Vice President and Treasurer and conducting an AOC Class.

Seconding the motion, Ian, VK7ZZ amplified on the secretary's remarks, and the meeting unanimously elected Terry as a Life Member.

In response, Terry told the meeting that what he had done was merely a reflection of his outlook on life. "If you are involved in something", he said, "Then become really involved and contribute something. I've no time for the person who sits on the side-lines, volunteers for nothing, and then criticises freely. To keep our Institute alive we need members who will attend field days, meetings etc., and contribute something, and in so doing they will have a lot of fun."

WE NEED MORE TERRY CONNORS !!!.....

THE PMG's DEPARTMENT has passed on the following for the notice of all Amateur Stations:- BEFORE an application is lodged with the Radio Branch of the PMG's Dpt. for the grant of a licence to operate a radio communication station at a fixed location, or for approval to transfer such a station to a new site, the written approval of the Regional Director, Department of Civil Aviation in the State or Territory concerned must be obtained where it is proposed to erect any mast:-

- (1) of any height, within five miles of the boundary of an aerodrome;
- (2) exceeding 100 feet above ground level in an area between five and ten miles of an aerodrome; and
- (3) exceeding 250 feet above ground level at any other location.

Where the DCA approves the erection of a mast, a certificate in duplicate will be issued, one copy of which must be furnished with the request for establishment or transfer of a station, to the PMG's Dpt.

Any further enquiries or information on this matter should be obtained from the Radio Branch, PMG's Dpt., Hobart.....

THE JAMBOREE of the Air will be held on the 22nd and 23rd of October. Those of you who have not taken part in this event in the past and would like to do so, can glean more information by contacting the secretary, VK7CR.

For those stations who will not be having scouts or guides but will be working stations who have--- remember, less radio talk and more of general interest, such as surrounding country side, local industries, and y scouting activities you know of etc.

To those not taking part at all--- PLEASE keep clear of contacts in progress and let us make this the most successful Jamboree to date.....

THE HAMFEST will once again be held on the property of Mr. Muirhead at Campbell Town this year on 26th and 27th of November. More details will be published in next month's bulletin but you can rest assured that there will be a good time in store for you. Here is a chance for you to meet your fellow Hams in person and to air any grievances with Council!! So keep the date clear, and make a family outing of it.

See you there..... 26th and 27th November.....

FOR SALE.

By Tender..... A.M. transmitter... 2 to 4 mcs (xtal-locked, 4 xtal positions)
6C4...6BW6 Final. 12AX7...6BW6 Mod. on 8"X5" chassis, less
power supply... Workmanship assured as built by VK7JO.
Tenders close by October Council Meeting (17th) with the usual
conditions of tender.....

PYE A.M. H.F. Mobile units. Model PTR1. These units cover 2 to 7 mcs with
tuneable receiver and xtal locked transmitter. Xtals are not
supplied. Units are in reasonable order, most in going order.
Unconverted.. (For conversion, see Winston VK7WH)

A real Bargain at just \$10.00

North and North West Zones order thru your committies.

Headquarters Zone...thru Disposals store.

A quantity of these units has been allocated to each Zone and
orders will be taken from members with full licences only.

NORTH WEST ZONE NOTES.

At the meeting on August 2nd the following office bearers were elected:-

President.... Brian Eyre VK7ZBE; Vice Presidents....Ken Hancock VK7KH & Ken Saxon
VK7AI; Secretary.... George Groves VK7XL; QSL Officer also VK7XL; Treasurer....
Ray Schulze; V.H.F. Officer.... Wilf Emmett VK7ZAQ; Zone Correspondent.... Neville
Fisher VK7ZEE. Congratulations to you all and we hope your period in office
will be pleasant and fruitfull.

The Reece High School Industrial Exhibition will be held in the Devonport
Youth Centre on 17th to 22nd of October at which a station under the call of VK7WI/P
will be operating. The transmitter will be at the QTH of VK7XL and contacts will be
made by means of a VHF link between the two locations, to overcome the problems of
electrical interference at the Exhibition.

REMINDERS.

PLEASE KEEP CLEAR of 3550 Kcs between 1930 and 2015 Hrs EAST nightly. Many of
the SWLs and Z calls copying VK2AWI morse practice sessions do not have very select-
ive receivers, so your thoughtfulness in this matter will be appreciated.....

THE CLOSING DATE for the ordering of ARRL publications as listed in the bulletin
a couple of months ago is now the October Council Meeting (17) so refer back, pick
out those you require, and forward your order together with the necessary remittance
by Monday, 17th October.....

IN SEPTEMBER AR there is an error in the circuit of the Transistor Special HF
transmitter which Lee, VK7RG, assures us will cause a puff of smoke if built!!
For those interested in this device, corrections will be published in Oct. or Nov. AR.

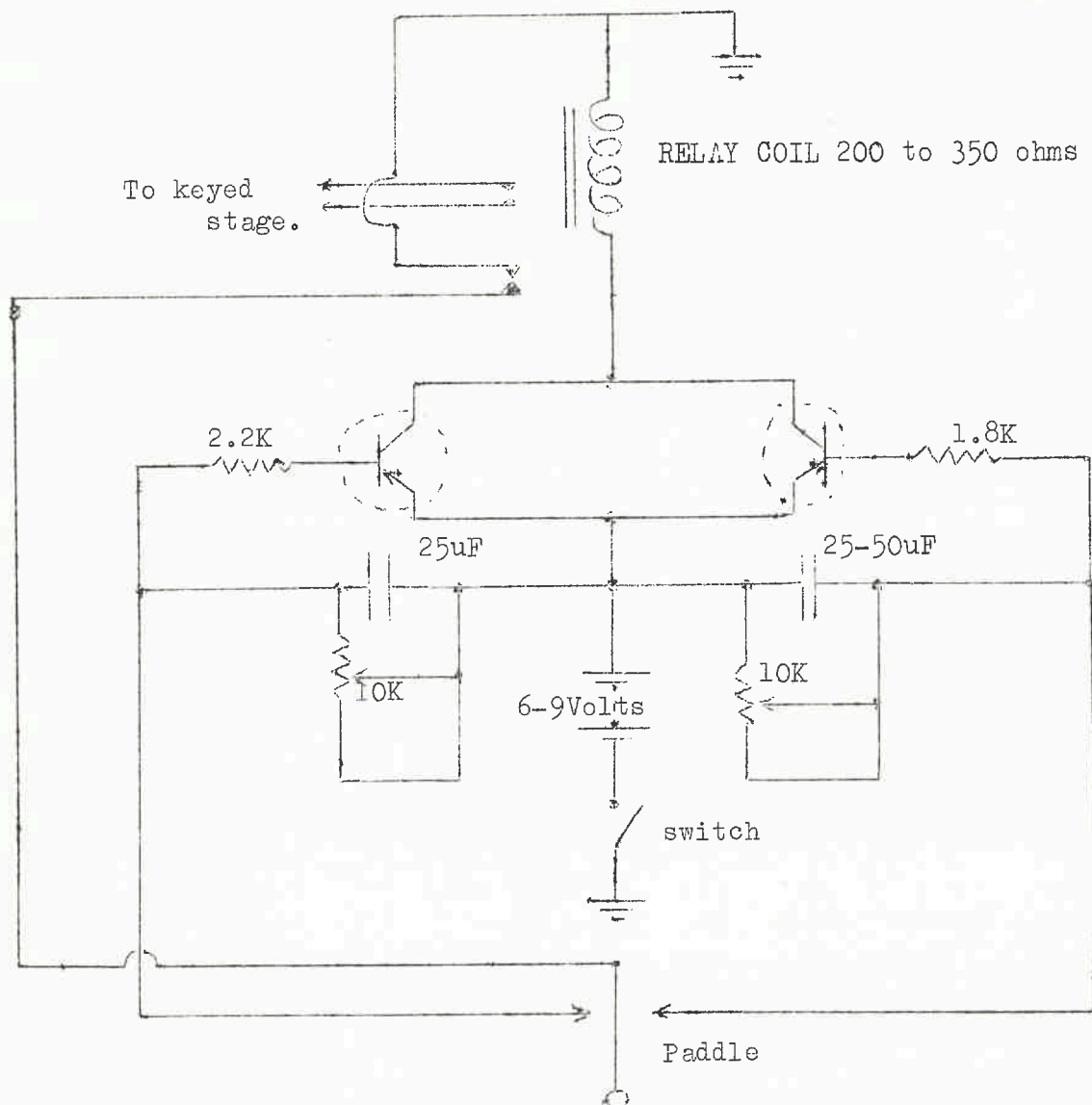
VHF NOTES by VK7FeedBack.....

I worked a very irate VK5HP on Sunday night 18/9/66. Poor John spent part of
Sunday listening to a couple of VK7s ragchewing on 144 mcs!!!! He wants to know if
you fellows up north have tuneable receivers, Hi.

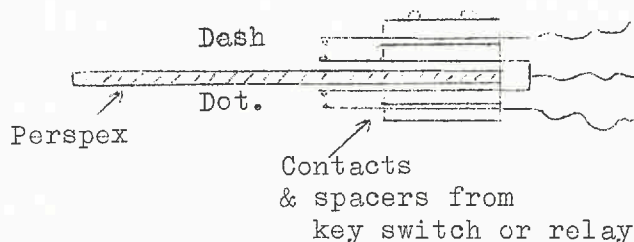
Net frequency activity still comes and goes in the south with the two most
active probably being Mike VK7ZMC and Ken VK7LL, both mobile. One station that may
not be active mobile for a while is ZBJ. Some lousy !!!???**+3% swiped his car!!
.. DE VK7FB ..

TECHNICAL ARTICLE by Feed Back.... from information from RSGB Technical Topics Unit built by Mike, VK7ZMC and tested VK7FB.

ELECTRONIC KEYER or EL-BUG.



Detail of Paddle used.... Plan view.



Very close contact spacing is used and paddle used with stroking action.

TEXT. Apparently any type of relay will do in this cct provided coil R is abt 200 to 350 ohms. The relay in use on test unit is 12 c/o contact frome the computer. The values of the electrolitic condensers may have to be juggled a little to achieve a good speed range and the normaly closed contact is adjusted to give character spac-ing. Pretty well any sort of audio transistor will work, such as OC71 etc. Our unit uses 2N363 s. Winston VK7WH knocked one up in a couple of hours and found that silicon transistors worked best as there tended to be a speed varyation with ambäent temperatur

Mike Hooper made the test unit inan afternoon including the paddle, and using small tab pots and minature condensers it is built on a peice of matrix about $1\frac{1}{2} \times 1\frac{1}{2}$ " excluding the battery, paddle and relay. Excellent reports have been received from the VK7ZMC-VK7FB unit from local, interstate and DX stations and one or two mainland-ers have got the "bug" so to speak and are building post haste. Try it for a good rainy day project and hours of fun are guaranteed from its use. ...-.- VK7FB.