

THE WIRELESS INSTITUTE OF AUSTRALIA

TASMANIAN DIVISION

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

FEBRUARY 1967.

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

It seems to me, sometimes, that amateur radio is becoming a little like modern everyday living--- with no time to stop and tender the little courtesies that can mean so much to the other fellow on the band. Take a listen for a few minutes and see what I mean..... The unmodulated carrier that sits on top of a QSO and tunes up; the dog-pile of "Neddies" that call and call and call as soon as you start a DX contact; the refusal to acknowledge a break-in station or alternatively the station who persists in trying to break in when you are obviously passing information along; and so on. Most of which are purely the result of thoughtless ness.

It's never too late for new year resolutions. Remember the Amateur Code and abide by it, thus bringing more pleasure and relaxation to your fellow amateur and yourself.

VK7LongYagi.

MEETINGS FOR FEBRUARY

- 1st.....Headquarters General Meeting, 147 Liverpool St., Hobart, 2000 Hrs.
- 7th.....North West Zone Meeting, Lakins Hall, Ulverstone.
- 10th.....Northern Zone Meeting, Adult Education Rooms, 51 York St., Launceston.
- 15th..... V.H.F. Group Meeting, Club Rooms Hobart, 2000 Hrs.
- 20th..... Council Meeting.
- 25th.....Annual General Meeting and Dinner.

DATES TO REMEMBER.

11th & 12th February..... John Moyle Memorial National Field Day Contest
See A.R. Dec.66 Page 11 for details and rules.

11th & 12th MARCH..... Athol Johnson Memorial V.H.F. Contest.
Rules and details further on in this issue.

Please remember these dates and take part as much as possible. Last year only one log was received for the Athol Johnson Memorial. Not very good considering the the number of active stations in VK7.

NOTICES.

As from February on, the Amateur Advisory Committee will meet on the 4th MONDAY of each month instead of Tuesday as now.....

COUNCIL Election 1967-68. At the commencement of the council meeting on Monday 16th January, the Secretary announced that he had received only (7) seven nominations for council vacancies and that no election would therefore be necessary.

The following nominations were received.....

P. Corby.....VK7ZAX

T. Connor.....VK7CT

I. Nichols.....VK7ZZ

E. Cruise.....VK7EJ

T. Allen.....VK7AL

G. D'Emden.....VK7ZAS

J. Grace.....VK7ZJG.

Annual Dinner Members are reminded that the acceptance form for the Dinner was included in the last Bulletin and should be returned not later than the next Council Meeting, Monday, Feb. 20th, to facilitate catering arrangements.

In fact DO IT NOW!!!!

Federal Convention. The Convention will be held in Hobart from 24th to 27th Mch (March) inclusive i.e. over Easter, and the Convention Dinner is scheduled for Easter Saturday night (25th March) at the Shoreline Motor Hotel, Howrah. Cost is \$3.00 per head and mixed company is the order of the day.

Your indication via your secretary is necessary by no later than your March General Meeting, so that by the March Council Meeting (20th March) catering and seating arrangements can be completed.

This is a VERY IMPORTANT occasion in our Amateur calendar of events and you are asked to let nothing--- yes, NOTHING--- prevent you from attending and making the function an all-time success. Come, and meet our INTERSTATE visitors.

Reports and Balance Sheet. As the Annual General Meeting is much earlier this year than usual the President's report, and Treasurer's report and balance sheet will be printed in time for that meeting and will be included with the March Bulletin as usual.

GENERAL NEWS

Quite a few amateurs from the "North Island" have been on tour in VK7 during the past few weeks. These include 2AYR, 3APO, 3ZNC, 3ZER and 3ZNS. The dubious ancestry of the Hon. Ed., irrevocably proved in a visit to Port Arthur with Phil, 3APO, may explain some of the daring and criminal editorials which appear from time to time in this screed.

SL7AY/MM, the Swedish training ship, visited Hobart recently and quite a few contacts were made on both 3.5mcs and 144 mcs. Some were lucky enough to visit the ship and meet the two hams on board as well as inspecting the radio gear. I will not attempt to spell the name of the ship. It would be a boat for a green CW op. Hi.

The following went for the last CW exam.... ZTM, ZAO, ZAQ, ZMD, ZFL, ZAY and Brian (whip stealer) Morgan. R. Verrell and L. Dean sat for the Z call.....

ATHOL JOHNSON MEMORIAL V.H.F. CONTEST.

RULES.

Date. The Contest opens at 0001 Hrs EAST and finishes at 2359 Hrs EAST on 11th & 12th March 1967 respectively.

Aim. To perpetuate the memory of Athol Johnson, VK7AJ, and to promote interest and activity on the V.H.F. and the U.H.F. bands.

- Sections. A. Transmitting, Mobile Portable o r Home station.
B. Receiving, Mobile Portable or Home station.

An operator may enter both secjions but must submit two (2) separate logs. Point claimed in each section will be counted as two separate entreis.

2. The contest will be for intrastate contacts only, any visitor to VK7 will be welcome to take part if they wish.

3. All bands above and including the 52 mcs band may be used. Cross band contact s are invalid. Scheds. may be arranged for any band.

4. All Entrants will operate within the terms of their licence, and observe all regulations laid down by the PMG. Any mode permitted under the terms of the licence held by the entrant may be utilized.

5. Definitions.

Home Station. Any station which is permanently installed at a home QTH.

Portable Station. A.C. or D.C. operated equipment other than home station or mobile station and located at least one mile from home QTH. This shall not include equipment installed at the home station of any other licence d amateur.

Mobile Station. Equipment which is designed for, and operated in, motion. (Parking, so long as nothing is added to the instalation to make it impossible to move, is deemed to be mobile under this definition). To qualify for mobile multiplier, station must be at least one mile from home QTH.

NOTE. If a vehicle containing equipment defined under mobile section is parked and an external radiating system erected or any other devise added to the installion, which then makes it impossible for the station to operate while in motion, as affore-mentioned, this station is then defined as being Portable.

6. Scoring.

Basic score, one (1) point per mile, measured radially between stations.

Position multipliers: Home Station		X1
Portable, Mains supply.		X 2
Mobile or portable,		
independent power source.		X 3

Band multipliers:	52 mcs & 144 mcs.		X 1
	432 mcs.		X 10
	576 mcs		X 25
	1296 mcs & above		X 50

To arrive at a final score, measure the distance between the two stations then multiply by the position multiplier and again by the band multiplier.

7. To Qualify for another contact with a previously worked station, one of the following rules must be observed:

Home stations; change to another band or wait till three hours have elapsed since previous contact, unless station to be contacted is mobile or portable.

ATHOL JOHNSON RULES Cont.

Portable or Mobile Stations; These stations can do one of the following.....

Change to another band or move to a position outside or adjacent to the area contained within a five (5) mile radius of the previous contact. No other contact may be made with the same station on the same band, within this area, unless 3 hours has elapsed.

8. Stations will exchange reports and map references by giving readability, signal strength, and a six (6) figure map reference. e.g. for a portable contact from Mt. Wellington, 59511719. The map reference is derived by reading cross wise, or Easterly, first, and then vertically or Northerly.

9. Maps to be used. Lands & Surveys, scale 4 miles to the inch. The station will give its location by a grid reference and it is the responsibility of the operator to give the correct reference.

10. Logs. Standard contest log sheets are to be used, refer to past issues of AR for typical formats. Logs are to be in the hands of Mr. G. D'Emden, VK7ZAS, or GPO Box 851J, Hobart, by 31st March, 1967.

11. Awards. The winner of the transmitting section will hold the Perpetual Trophy until the result of the next contest is declared. The winner of each section will receive a photograph of the Trophy. Interstate visitors will not be eligible for awards. The Trophy shall remain the property of the Wireless Institute of Australia, Tasmanian Division, and shall be returned to the Institute if the Contest lapses.

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FOR SALE.

Giant clearance sale by Winston Henry, VK7WH. 25% of proceeds to Building Fund.

2 x 200 mA 30H chokes.....	\$ 1.50 ea.
1 Vibrator supply for class C wavemeter & spare vibrator.....	\$ 1.00
1 435 mcs self-excited oscillator using 6J6 including BNC socket...	\$ 1.00
1 Pye 6-12 V vibrator transformer	\$00.20
1 15 H 150 mA choke.....	\$ 1.00
2 x 4 uF 2000V oil filled capacitors.....	\$00.50 ea.
1 200 mA choke.....	\$ 1.00
1 Driver transformer P-P triodes→ Push Pull 807's, 809's.....	\$00.50
1 Transistor radio printed board less transistors (uses transistor	
sockets)	\$2.00
2 x 300 mA power chokes.....	\$ 1.50 ea.
1 No.22 power supply complete less vibrator.....	\$ 1.00
1 VR138 cathode ray oscilloscope tube.....	\$ 1.00
1 Partly completed 522. RF section complete including sockets, mod.	
section removed. good wrecking proposition.....	\$ 1.00
1 Mod. tranny... possibly 300/500 watts, certainly feels like it! What offer?	
1 2KV 300 mA HT transformer.....	What offer?

Also assorted other bits and pieces. All items W. Henry VK7WH

642 Nelson Rd.,

Mt. Nelson, Hobart.

Phone 5 2399.

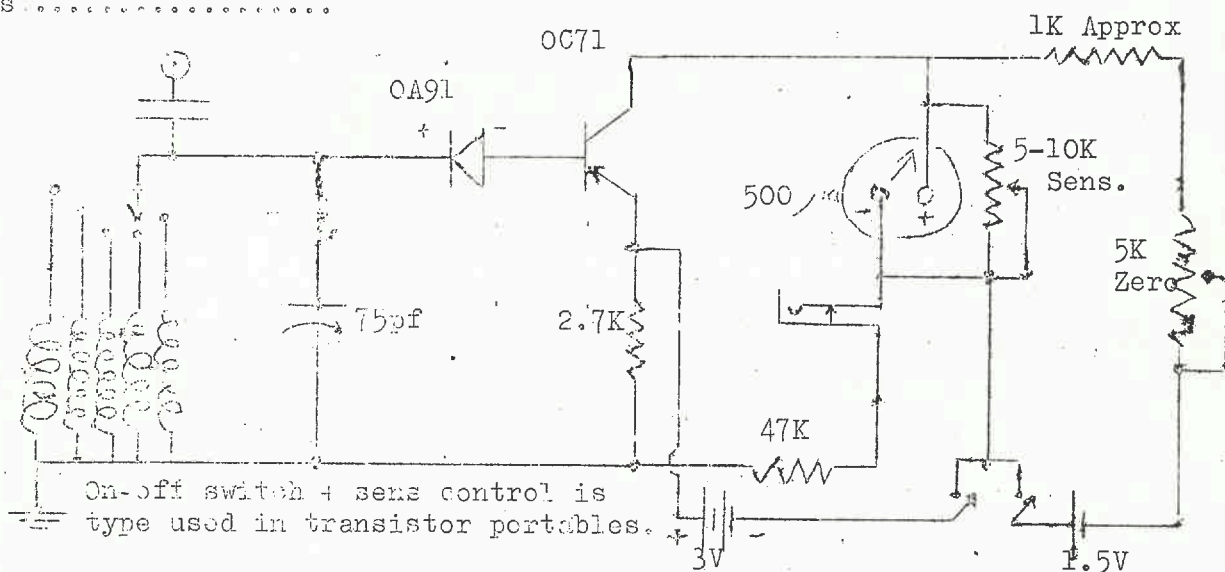
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TECHNICAL ARTICLE. Supplied by Lee Cordell, VK7KC.

SENSITIVE FIELD STRENGTH METER. Here is an excellent unit that will be found in-valuable around the shack and practically essential for sideband constructors in obtaining maximum output at the correct frequency. This design (Originally by AEROVOX U.S.A.) is very sensitive and more stable than units tested using 2 transistors.

The coil switching can have provision for a primary winding for balanced input if antenna testing is desired, or can have plug in coils. Our unit covers 1--30 mcs in 5 bands using a tuning capacitor of approx. 75 pf. A handy method of pickup is to use a telescopic antenna as used in transistor portables. This collapses to 5" and extends to 16½". A banana plug can be fitted at its base and a socket used on the F.S.M. When used as a monitor care must be taken not to overload the unit otherwise it will distort badly. It was found with sensitivity full on and near maximum deflection of the meter was the limit before overloading occurred.

Another similar unit extending to 300mcs has been in use for 10 years and is regularly used for T.V. antenna testing but is also useful as a V.H.F. sniffer at fox hunts.....



VHF NOTES By VK7FeedBack

We are just about at the end of yet another DX season. Doesn't seem long since I was saying the season is starting. Much and all as I hate to admit it, 7FB/LY has not had one DX contact this year! Oh well. Next year we should be able to make up for it with a beam and 40 watts VFO controlled. From what your scribe can gather, the season has been rather poor, in the south at least. Openings few and far between, and then rather patchy. However, I think all the new call signs floating about have managed to work interstate. At least one worked DX the first day on after getting the call!! VK7ZAH worked a VK4 near Rockhampton on 144 mcs, believed to be an Australian record at the moment, and this seems to be the only thing of note in the past month or so.

7SS is busy firing up HF gear at the moment, using a Geloso VFO followed by a QE05/40A (6145). 7WH now has the task ahead of him of resurrecting and re-erecting his HF, 6, 2 and 3 mtr. beams after a major collapse in the recent wind storm. ZTM and FB/LY are back on 6 after a break of a couple of months. Tim is having a little audio trouble at the moment but should lick it soon. Mike and Anne, (that's me and the XYL don'tcha know) are putting the finishing touches to a new console arrangement. ZKJ, ZRO, ZRD and ZPS are among the most active on the 6mx net, all of them being relative newcomers to the band. Heard a frightful racket on 53.035 the other day. Thought the receiver had taken off, but it was Dave, ZAY, with one of those "Duck" things. Believe Greg, ZKJ, will be quacking back shortly.

Don't know what has become of Harvey, ZHF, and a few of the other ex-active stations, but on the whole activity in the Hobart area is extremely good at the moment.

Mike, ZMK, gave an extremely interesting lecture and screened some slides at the last VHF group meeting, the subject being the new Broad Band Radio Telephone systems in Tasmania. It was very good to see two interstate visitors in the shape of 3ZER and 3ZNC at the meeting also.

Guess that's all for now, so 73s, see you on the Net.....VK7FeedBack....