

# THE WIRELESS INSTITUTE — OF AUSTRALIA —

## TASMANIAN DIVISION

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

FEBRUARY 1964

MONTHLY BULLETIN

PRICE 6d

PRESIDENT

Mr. T. Allen  
VK7AL

TREASURER

Mr. C. Harrisson  
VK7CH

SECRETARY

Mr. K. Spiegel  
VK7KS

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 Street, Hobart, on WEDNESDAY, 5th February 1964.

Owing to the absence of the Lecture Organiser on holidays the activities for the evening are not known, so listen to the VK7WI Broadcast for the latest information.

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### NATIONAL FIELD DAY.

SATURDAY, 8th February 1600 EAST to 1600 EAST SUNDAY 9th.

Once again this popular contest is with us, and as there has been considerable activity in mobile/portable operation in VK7 lately, there appears to be no reason why the Division should not be well represented this year.

A station can be located anywhere outside a 1 mile radius of your home QTH. Input must not exceed 25 watts. Intrastate working is permitted. All bands may be used, and the same stations worked on all bands, so there's plenty of scope. If you cannot get away for the full 24 hours what about having a go on the Sunday? Take the family for a picnic and combine a day's outing with a day's radio. It's lots of fun and the more activity the more interesting it is, besides which you are giving others a chance to collect a few more points.

You don't have to have an elaborate setup - if you have a 128 or anything else capable or being used portable USE IT.

There will be plenty of others to work. Don't neglect 3.5 during the day time - valuable points were collected there last year from both interstate and intrastate contacts around mid-day.

Full details in "Amateur Radio" for January page 15.

### NORTH WESTERN ZONE.

The next meeting will be held in Lakin's Hall, Ulverstone, on TUESDAY, 4th February 1964 at 2000 hours.

An invitation is extended to all members of the Division to take part in the Field Day being organised by this Zone on SUNDAY, 23rd. February. Contact VK7BL, VK7KH or VK7MX for further information. With the experience of the National Field Day under your belt you should be able to really go places at the N. W. Zone day.

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### NORTHERN ZONE

The next meeting will be held at 102 Charles Street, Launceston, on FRIDAY, 14th February 1964 at 2000 hours. This will take the form of a film ~~evening~~ evening, but at date the titles of the films to be shown are not available. There will also be a small quantity of disposals gear available.

### ATHOL JOHNSON MEMORIAL VHF CONTEST.

Rules for this year's Contest supplied by the VHF Section:

Date. The contest opens at 0001 hrs EAST on 29th February and closes 2359 hrs EAST on 1st March 1964.

Aim. To perpetuate the memory of Athol Johnson (VK7AJ) and to promote interest and activity on the VHF and UHF bands.

The rules are as follows :

1. Sections. A. Transmitting, mobile,, portable or home station.  
B. Receiving, Mobile,, portable or home station.

An operator may enter both sections, but he must submit two (2) separate logs. Points claimed in each section will be counted as two separate entries.

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

3. All bands above and including the 50 mc/s band may be used. Cross band contacts are invalid. Schedules 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 Postmaster General's Department. 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. AC or DC operated equipment other than home station or mobile station and located at least 1 mile from home QTH. This shall not include equipment installed at the Home Station of any other licenced amateur.

Mobile Station. Equipment which is designed for, and operated in motion. (Parking, so long as nothing is added to the installation to make it impossible to move, is deemed to be mobile under this definition) To qualify for mobile multiplier, station must be at least 1 mile from home QTH.

Note. If a vehicle containing equipment defined under Mobile Station, is parked and an external radiating system erected or any other device connected to the installation, which then makes it impossible for the station to operate whilst in motion, using the aforementioned, then this station is defined as being portable.

6. Scoring.

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

Position Multipliers.

Home Station . . . . . X 1

Portable, mains supply . . . . . X 2

Mobile or portable, independant power source . . . X 3

Bands Multipliers.

50 mc/s . . . . . X 1

144 mc/s . . . . . X 2

432 mc/s . . . . . X 10

576 mc/s . . . . . X 25

1296 mc/s and 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 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 3 hours has elapsed since previous contact, unless station to be worked is portable or mobile.

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 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 figure map reference. e.g. for a portable contact from Mt. Wellington - 59511719. The map reference is derived by reading crosswise, or easterly, first, and then vertically or northerly.

8. Maps to be Used. Lands and Surveys, scale  $\frac{1}{4}$  inch to the mile. The station will give its location by a grid reference and it is the responsibility of the operator to give the correct reference. Operators need only purchase the map of the area in which he will be operating. He must enter the Map No. in his log.

10. Logs. Standard contest log sheets are to be used, refer to past issues of "A. R." for typical formats. Logs are to be in the hands of Mr. G. D'Ender VK7ZAS or G.P.O.Box 851J, Hobart by 31st March 1964.

ATHOL JOHNSON MEMORIAL VHF CONTEST RULES (Continued)

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.

If the 50 mc/s band has been discontinued at the time of the contest, the scoring will remain exactly the same for 52 mc/s.

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FEDERAL NEWS.

Federal Executive advise that the following advices have been received from the P. M. G. Department :

" . . . . Arrangements have now been made with effect forthwith to include type F1 emission, employing a maximum frequency shift of 850 c.p.s., in the types of emission permitted for use by the amateur service within all authorised frequency bands. The use of type F1 emission shall be confined to radioteletype (RTTY) systems employing a teleprinter type equipment using perforated tape or direct keyboard transmission and a printing mechanism for reception. The use of hand speed morse utilising type F1 emission is prohibited. RTTY transmissions shall employ a five-unit code in accordance with International Alphabet No.2.

For purposes of station identification in accordance with paragraphs 132 and 133 of the "Handbook for Operators of Radio Stations in the Amateur Service" July 1963, which read --

132. The operator of an amateur station shall transmit the callsign of the station being worked and the callsign allotted to the station that he is operating at the beginning and end of each session, and at least once in every five minutes during the session.

133. Callsigns, must in all cases, be signalled in full and in such a manner as to leave no doubt as to their identity, and must include the nationality prefix letters "VK"

an amateur station licensee employing type F1 emission shall transmit callsigns either by means of hand-speed morse (type A1) or radiotelephony (type A3 or F3) signals.

It is not proposed that the Department inform each amateur station licensee of the new condition at this stage, but it would be appreciated if you would be good enough to arrange for appropriate publicity through the Institute's Divisional Broadcasts . . . . ."

" . . . . No objection would be offered to Limited Station licensees employing any mode of telephony transmissions authorised for the Amateur service in bands above 52 mc/s. Accordingly holders of Limited station licenses may employ the following types of emission, including type O.

All authorised bands A3, A3a, A3b, F3, All bands above 144 mc/s - A0, P0. UHF and SHF - P3d, P3e, P3f.

It is not proposed to formally notify present Limited Station licensees of the above, but you may if desired give publicity to the matter through normal distribution channels within the Institute. "

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AMATEUR ADVISORY COMMITTEE

The P.M.G. Department advise that the following have been elected to the Amateur Advisory Committee :

|                |        |                |                 |
|----------------|--------|----------------|-----------------|
| Mr. T. Allen   | VK7AL  | Mr. I. Nichols | VK7ZZ           |
| Mr. E. Beard   | VK7EB  | Mr. D. Thorne  | VK7ZAI          |
| Mr. G. D'Enden | VK7ZAS | Mr. W. Nis bet | VK7BN (Non WIA) |

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SUBSCRIPTIONS.

Yes - it's on again! We no sooner get last year's crop of laggards to pay up, than we have to print a reminder that subscriptions are due and payable on 1st March next. We are giving you plenty of notice that if they are not received by 1st. April your name will be removed from "Amateur Radio" circulation list which will probably mean missing two issues.

Last year it was again necessary to delete several members for non payment of dues. In the meantime they had received several copies of "Amateur Radio" at the Division's expense

Full City £2. Full Country 35/- Associate City 35/- Associate Country 30/-

COUNCIL MEETING.

The next Council Meeting will be held in the Club Room on MONDAY 17th February at 1930 hours.

ANNUAL MEETING.

Notice is hereby given that the 33rd Annual General Meeting of the Wireless Institute of Australia, Tasmanian Division, will be held in Launceston on SATURDAY, 21st MARCH 1964.

Full details regarding time and place will be given in next month's Bulletin and on the weekly broadcasts, but in the meantime make a note of the date and keep that night free.

Business :

1. To confirm the minutes of the 32nd General Meeting held on 23rd. March 1963.
2. To receive and adopt the President's Report and Treasurer's Statement for the year ending 29th February 1964.
3. Declaration of result of ballot for election to Council.
4. To appoint Hon. Auditors and make other appointments usually made at the Annual General Meeting.
5. To deal with any Notices of Motion that may have been submitted in accordance with Article 57 of the Memorandum and Articles of Association.

Notices of Motion.

Paragraph 57 of the Articles of Association reads : " Notices of Motion for the Annual General Meeting must be received by the Secretary not less than 28 days prior to the meeting and must be signed by at least three members"

Paragraph 58 : "Business which is not included in the Notice shall not be discussed at the Annual General Meeting without the permission of that meeting"

Which means that if you have anything you would like discussed at the meeting, Notice of Motion in accordance with Para. 57 must be received by the Secretary no later than 22nd. February 1964.

Election of Council for year 1964/65.

Elsewhere in this Bulletin is a Nomination Form for nomination of candidates to serve on the Council for the ensuing 12 months. Candidates must be Full Members of the Division and must be nominated and seconded by Full Members.

Give it plenty of thought and don't nominate anyone unless you are sure that he will pull his weight on the Council. And a bit of new blood each year is a great stimulus.

Nominations must be in the hands of the Returning Officer, Mr. J. Brown VK7BJ, 12 Thirza St., New Town, no later than 16th February 1964.

Dinner.

The Annual Meeting will be followed by a dinner to be organised by the Northern Zone to which each member may invite one lady guest.

Full details will be given in next month's Bulletin.

COUNCIL NOTES by VK7EB.

The first Council meeting for 1964 was held at the Club Room on Monday 20th January. Present were VK7AL, VK7CH, VK7ZZ, VK7ZAI, VK7KS and VK7EB.

Annual Dinner. Suggestions as to the venue for the Annual Dinner were discussed at length. Please note the date 21/3/64. The time and place to be decided by our hosts - the Northern Zone.

Council. Nominations for your new Council are to be submitted by the 16th February (see above) Remember the Institute is only as good as the members make it - it is the duty of every Full Member to register a vote.

Noise. There have been numerous complaints during the past year in regards to electrical noise on our bands. Growling won't cure it! However an effort by all members could bring the desired results. Noise on the BC and TV channels, being service channels, are our first "leg in". If your area is noisy on either of the above obtain the necessary form from the G.P.O. (The R.I.'s Branch has them) and complete same giving all the information you can to assist tracking down this menace. Then post the form to the appropriate address. If you can enlist the voice of others in your area do so - it adds weight to the final result. Secondly, on the S.W. spectrum - remember this is non service channel - to get results we must be positive and contribute all our manpower to achieve results and I suggest the following procedure : Ascertain the area from which the noise is originating. If impossible to localise finally to a specific distributor, pole insulator or transformer enlist the assistance of the Noise Committee - but you must help - don't expect the Committee to do all the work.

(Continued on page 5)

DISPOSALS

The following crystals are still available to financial members on the usual conditions. Frequencies above 3885 are in short supply so better give second preference.

Applications on attached order form together with remittance to Disposals Committee by 17th February.

|                                              |        |        |      |      |      |        |       |             |
|----------------------------------------------|--------|--------|------|------|------|--------|-------|-------------|
| 3540.                                        | 3640.  | 3680.  |      |      |      |        |       | 10s/- each  |
| 3720                                         | 3760   | 3800   | 3885 | 3990 | 3995 | 4165   | 4175. |             |
| 4215                                         | 4280   | 4330   | 4445 | 4680 | 4815 | 5180   | 5385  |             |
| 5397.5                                       | 5437.5 | 5587.5 | 5635 | 5645 | 5660 | 5687.5 | 5730  |             |
| 5740                                         | 5920   | 5950   | 5955 | 6450 |      |        |       | 6s/- each   |
| Sets of 10 on any one of these frequencies : |        |        |      |      |      |        |       |             |
| 3720                                         | 3760   | 3800   | 3885 |      |      |        |       | £2-10/- set |

COUNCIL NOTES

(Continued from page 4)

Once you have the necessary evidence take a note of the pole number and/or transformer number and together with the other necessary details (frequencies and times etc) and give your form to the Noise Committee, The Noise and TVI Committee consist of the following : L. Cordell, D.A.Thorne, B.Eyre (absent), D.Watson, G.D'Emden and E.Cruise.

If you observe any broken insulators or guy wires rubbing conducters give me a ring at the Hydro and I will notify the appropriate people.

R. S. G. B. HANDBOOKS.

There are a few copies on hand at 35s/- each (postage 3s/-). See the Secretary or Treasurer if you have not yet got your copy.

I. T. U. FUND.

This month we acknowledge with thanks donations from VK7BQ, VK7ZZ and Associates Greg Johnston and Frank Pieniacki. Total in hand is now £53- 9- 5d.

NOMINATION FORM - COUNCIL

We, the undersigned, being Full Members of the Wireless Institute of Australia, Tasmanian Division, hereby nominate Mr. \_\_\_\_\_ for the position of Divisional Councillor for the year 1964/65.

Proposed by \_\_\_\_\_ Seconded by \_\_\_\_\_

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

Date \_\_\_\_\_ (Signature) \_\_\_\_\_

DISPOSALS.

The Secretary,  
Disposals Committee, W. I. A.  
Box 851J G.P.O., Hobart

| Frequency Required. | Second Preference | Cost  |
|---------------------|-------------------|-------|
| _____               | _____             | _____ |
| _____               | _____             | _____ |
| _____               | _____             | _____ |
| _____               | _____             | _____ |

Cheque/Cash/M.O./P.N. for £ \_\_\_\_\_ (plus postage if applicable) is enclosed.

I certify that these items are for my own use and not for re-sale.

Address \_\_\_\_\_ Name \_\_\_\_\_

