

TASMANIAN DIVISION

MARCH 1967.

MONTHLY BULLETIN

PRICE 5c.

PRESIDENT: Mr. T. Allen TREASURER: Mr. C. Connor SECRETARY: Mr. C. Russel-Green
VK7AL VK7CT VK7CR

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

EDITORIAL

The catastrophe which struck southern Tasmania on February 7th, 1967, with its associated sights and sounds, is something that those of us who saw it will not find easy to forget. The most startling thought that strikes us, is the fact that disaster can and did hit our beautiful island, which many of us had previously regarded as immune. It did happen and could happen again. Unfortunately, memory has a quaint trick of fading with the passage of time, and I feel that it will be necessary in the future, to consciously avoid slipping back into our usual apathy.

Through WICEN we not only facilitate essential traffic, but we can also offer very real sympathy and compassion to the stricken people. The comfort of knowing that there is some form of communication to the "outside" world obviously played quite a part in boosting morale in devastated areas; and I think realisation of this fact gives its own reward.

WICEN is important - we know that now, if we didn't before. Consequently, it is up to us to put aside personal grievances and feelings, and contribute all we can to make WICEN a more efficient and capable organization.

In the meantime, congrats. on a really FB effort from all those connected with WICEN --- the operators, the frequency clearers, the equipment loaners, the runners (who spent a lot of energy running to shops), and of course the MEAL & CUP of TEA getters, who catered extremely well for insatiable appetites, not forgetting anyone who may not be covered by the above-mentioned.

73's Anne 7LY.

MEETINGS FOR MARCH.

1st....Headquarters General Meeting, 147 Liverpool St., Hobart. 2000Hrs.

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. Clubrooms Hobart, 2000hrs.

20th....Council Meeting.

27th....Amateur Advisory Committee Meeting.

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DATES TO REMEMBER

MARCH 11th and 12th.... Athol Johnson Memorial Contest.

MARCH 24th to 27th inclusive... Federal Convention and Dinner. (See Feb. Issue)

SILENT KEY

It is with deep regret that we record the passing of Merv. Koglin, VK7MK on 7th Feb. 1967. While Merv. was not an active amateur, he retained a keen interest in the activities of the Division and attended meetings regularly.

AS THE RESULT OF FIRE

To Ray, VK7TR, Leicester, VK7ZLH, Richard, VK7ZRR, who lost their homes and possessions; and Allan, VK7MY, who lost his boat, entire workshop and all radio gear and Winston, VK7WH, who lost an outbuilding containing some tools and equipment, all members extend their heartfelt sympathy and the earnest wish that the future will brighten with each succeeding day.

To those who lost relatives or friends in the fires, we extend our condolences.

Our sincere thanks to the VK4 division and the VK2 VHF/TV Group for their donations for Fire Relief of Tasmanian amateurs.

Among the many commercial buildings destroyed was the PMGs monitoring station on Radio Hill in Hobart.

NEWS IN BRIEF

At the time of writing the USS Mills is in port. This ship has on board at least one amateur, WB6CIN, who while in Antarctica operated KC4USX. After leaving port on 21st Feb., this ship will be active on amateur bands.

Recently, quite a decent Aurora display was observed in Hobart, marking the return of high sun spot activity. While 20mx suffers as a result of this activity, some good F2 layer DX should be found on the higher bands over the next few years. Now's the time to dig out that high-band gear and blow the dust off!

Quite a comprehensive report on one of the emergency networks was received from Graeme Wilson of Mt. Seymour. Our thanks, Graeme, for taking the trouble to send this report in.

VHF NOTES

Not very much to report this month chaps, but of the little there is, a couple of items are exciting and one is interesting.

Firstly Mike, ZMC told me recently that he and Reg, RL do a little snooping around the VHF bands on an Eddystone receiver from Mt. Barrow and that a few weeks after Christmas they heard 4X4YB and another station in Israel in QSO on 6mx. Unfortunately, at the time of writing I do not have any further details, but believe that Reg is writing to the gentleman concerned for confirmation of this. On 2/1/67 a JA was heard in Hobart by ZKJ, also on 6mx. This, coupled with the appearance of the Aurora Australis during the past week means that the old F2 layer is coming into play again. If activity in Europe, Japan etc has increased at the same rate as in Australia over the past years since the last of the F2 openings, then there should be DX to end DX. The other, ZAH in Ulverstone was sort of wkd on 8/2/67 by several stations in Hobart during the emergency.

73s 7FeedBack.

FOR THE RECORD.

The following list of stations connected with WICEN is as comprehensive as possible. We think it includes everyone directly connected, but it is possible someone has been missed. If your name or callsign does not appear, let us know.

MOBILE STATIONS.

VK7ZMC... Mike	VK7ZMD... Dave
VK7ZBJ... Barry	VK7ZRO... Ron
VK7ZLP... Lee	VK7ZKJ... Greg
VK7ZDM... Danny	VK7ZAS... Geoff
VK7ZAO... Reg	VK7ZJG... John
VK7CT.... Terry	VK7WH.... Winston
VK7KS.... Charlie	VK7TX.... Brian
VK7TA.... Brian	VK7MR.... Dave
VK7AL.... TOM	VK7LL.... Ken
VK7ZAY... Dave	VK7ZPS... Peter

On stand-by if needed: VK7ZGM... Geoff

VK7SK.... Max

VK7ZLP had an offsider named Brian, of whose surname we're uncertain. Sorry Brian X!

A Control was set up at VK7KC's QTH, where joint organization of mobile movements etc., and permanent operators was undertaken by Bob, VK7OM; Geoff, VK7ZAS; Ted, VK7EJ; and Lee, VK7KC. A number of mobile stations, and associates Ian Eadie and Brian Morgan also operated at Control.

At Civil Defence Headquarters both 6 metre and 80 metre gear was set up. Jack, VK7JB, as Signals Officer, was in attendance at this QTH, for the greater part of the time. Operators were Ted, VK7EB; Tim, VK7ZTM; Phil, VK7ZAX; Crosby, VK7CR; Phil, VK7SS; Reg, VK7ZAO; Lee, VK7ZLP; Kit, VK2ZPO (on holiday!?)

Fixed stations were set up at Mt. Rumney; Woodbridge; Richmond; Colebrook; and Mt. Wellington, with the following operators.

Mt. Rumney; VK7ZBJ, VK7ZMD, VK7SS, VK7ZRO.

Woodbridge; VK7ZMC, VK7ZFL, VK7FB/LY

Richmond; VK7CT, VK7ZMD, VK7FB/LY, VK7EB.

Colebrook; VK7WH, VK7TX, VK7KS, VK7ZDM, VK7ZBJ, VK7ZMD, VK7AL, VK7ZLP.

Mt. Wellington; VK7ZJG, VK7ZKJ, VK7EJ, VK7ZAO/ZAQ.

Stations standing by; helping to clear the QRM when necessary, (and boy! was it necessary at times),; and relaying traffic when things got a bit thick were:

VK7BP.... Brian

VK7LE.... Len

VK7BT.... Tom

VK7MX.... Max

VK7LS.... Les

VK7WH.... Winston

Some of VK7KA's equipment was used, and gear was loaned by others. We believe that offers of assistance and equipment came from both northern VK7 and other Divisions.

It is possible that in the heat of the moment, a complete log. and list of stations was not kept. As Council wishes a complete record of this event WILL ALL PARTICIPATING STATIONS PLEASE MAKE OUT A LOG. OF THEIR OWN MOVEMENTS and forward to any council member or VK7EJ, AS SOON AS POSSIBLE. Logs. should include Tuesday 7th, as well as times (as close to actual as possible).

TECHNICAL ARTICLE. Supplied by Lee Cordell and Greg. Johnston.

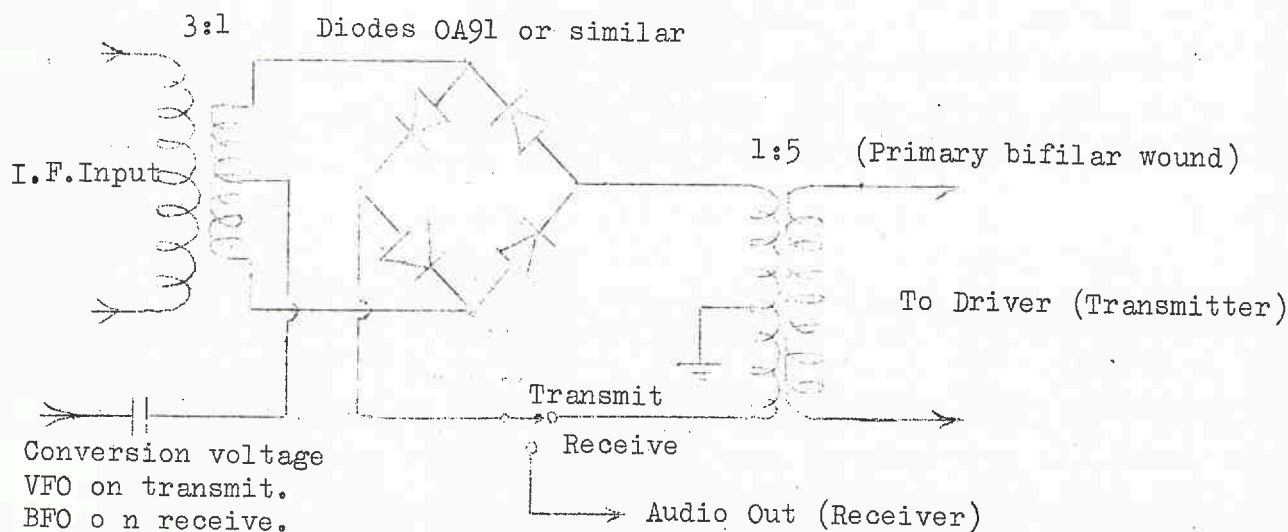
BALANCED MIXER/PRODUCT DETECTOR. For the OM who is homebrewing an SSB transceiver, here is the ultimate in economy of parts and hair-tearing. The functions of transmitter mixer and receiver product detector can be combined in a very small package with this arrangement.

The circuit suggestion was planted by a technical article in 'A.R.' some years ago, and briefly employed solely as a product detector by one of the authors (G.J.) soon after it appeared. Due to difficulties in matching the input impedance of the diode bridge, when trying to modify a 455kcs. I.F., it was soon discarded in favour of a more conventional tube type product detector.

However, when an I.F. of 5mcs. or 9 mcs. is used after a crystal filter, the problem of winding an I.F. transformer to match the network is greatly simplified. The primary winding is wound as would be expected while the secondary is bifilar wound over the top of it to give a 3:1 turns ratio and thus the matching is achieved. Conversion voltage BFO or VFO is applied to the effective centre-tap of the bifilar wound secondary, which will give balanced input to the bridge. The balanced bridge output will ensure that on transmit, both the IF and the conversion oscillator frequencies are suppressed. The output transformer has a bifilar primary, and an overall turns ratio of 1:5 into the transmitter driver tube.

One point perhaps not made quite clear earlier is that on receive, the output from the BFO or carrier crystal as the case may be, is fed to the diode bridge; while on transmit, the VFO is fed into it to produce the required resultant operating frequency at the transformer secondary.

By way of warning, two SSB transceivers are on the drawing board -- single band units, intended for mobile use. An all-tube version running about 8 watts D.C. input and a solid state version running around 250 milliwatts. Each will use this balanced mixer/product detector. For the benefit of "have a go" types, the circuit of the 8 watt version which has been tested in sections but not as a complete unit, will be submitted with little comment later.



PRESIDENTS' REPORT.

Gentlemen,

The year just completed has been highly successful as far as our Division is concerned. Membership is increasing steadily, rising from 209 to 230 this year, activity is greater and our financial position is sound as the Treasurers' Report will show. Council as a body was able to visit the Northern and North Western Zones and for the first time a Councillor was appointed to act as liaison representative on Council for the two Zones.

ATTENDANCE.

The average attendance for general meetings at Headquarters was 34. Your Council had 11 monthly and 5 special meetings during the year with attendance as follows: Allen 10/5, Connor 10/5, Cruise 8/5, D'Enden 11/5, Nicholls 11/5, Grace 10/4, and Russell-Green 10/5.

CLUB ROOM FUND.

this continues to move slowly, but following our appeal earlier this year many promises of loans were accepted and immediately a suitable site becomes available a call will be made and we will be able to proceed with this project.

VHF BEACON.

Details of the proposed beacon have been submitted to the appropriate Authority and we now await an answer.

AMATEUR ADVISORY COMMITTEE.

has been active during the year -- meeting monthly. This committee is your committee -- nowhere else in the World is the amateur allowed to "police" his bands as we do, a privilege worth preserving.

SUNDAY BROADCASTS.

This is one of the more onerous jobs as it provides a tie on almost every Sunday of the year, and so to our Broadcast officers we say thank you for a good job well done.

MCW SESSIONS.

These have been responsible for many Limited licencees obtaining their full licences. To those conducting these sessions I express my thanks.

SSB TRANSCEIVER.

one of these units were purchased during the year and now awaits the completion of a power supply prior to its being put into service in the clubrooms.

LIFE MEMBERSHIP.

Two members were elected to this grade of membership during the year. Congratulations to VK7CT and VK7AL.

REECE EXHIBITION.

Was held at Devonport and North Western members manned VK7WI/P at the exhibition. Our stand provided considerable interest for the public attending.

QSL BUREAU.

This year figures for the Bureau were OUT 5012 and IN 4061. The outward cards this year were almost equal to the total number last year showing that activity has increased considerably. VK7SM and VK7GK are apparently the DX Hounds of the year.

HAMFEST.

This was another successful function on our social calendar for the year being well attended particularly from the South. There was a varied assortment of equipment on view and in use taking in all shapes and sizes, commercial and homebrew.

FEDERAL CONVENTION.

For the first time since 1935 the Convention will be held in Hobart over Easter. All arrangements are in hand for the accommodation and entertainment of our visitors as well as for any of our members who wish to attend.

WICEN.

This is the first time that I have been able to report a full scale Wicen operation and in the circumstances I cannot say that it is with pleasure that I so report. With pride, yes, because we can all be proud of the way in which our members rallied when the call went out. We proved a very pertinent point to the Authorities, and ourselves if we needed proof, that our equipment and our organisation really worked when the pressure was on.

Would all those involved please accept this as a personal tribute for the effort.

PRESIDENTS' REPORT (Contd.)

GENERAL.

To those members who perform the menial tasks at meetings, to the members of the Disposals Committee who have worked so hard this year, to the Bulletin Publication Committee and to those who have assisted in any way at all I say a sincere Thank You.

May the incoming Council experience as much success in their year as the retiring one has had, for without an active Council the Institute cannot progress.

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VK7AL

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TREASURERS' REPORT.

BALANCE

From the Balance Sheet it will be seen that although the Balance at the end of this year is less than 1966 the Institute has had a successful financial year. Membership increase is reflected in the increase to \$748. 72 compared with the \$606.83 of the previous year.

EXPENSES.

Several non-recurring expenses are shown, such as Project Australis, sub. to CQ magazine (3years) and an increase in Printing and Stationery occasioned by a circular to Members concerning the Club-room Fund and repairs to typewriter.

A further expense during the year was the visit of Council to our two Zones. This will become an Annual visit as our fellow members in the Zones agreed that the meetings held in their Headquarters helped to promote better understanding between Tasmanian amateurs.

Every effort will be made to hold expenditure at the present level and with careful planning it is believed that this can be done.

Your attention is called to the cost of Amateur Radio, this representing our greatest expenditure -- almost half annual subscriptions.

In closing, it would be greatly appreciated if subscriptions for the coming year could be paid promptly to allow the Treasurer to prepare the planning previously mentioned.

73

VK7CT

***** 00000 ***** 00000 *****

BALANCE SHEET (Contd.)

	<u>I.T.U.</u>	<u>FUND</u>
<u>RECEIPTS</u>		<u>EXPENDITURE</u>
Balance at Bank 28/2/66	\$ 8.52	NIL
A.J.Manning	4.00	
Interest	30	Balance at Bank Feb. 1967 \$ 12.82
	<u>42.82</u>	
Balance	\$ 12.82	

BALANCE

SHEET

GENERAL ACCOUNT.RECEIPTS

Subscriptions	\$ 748.72
Donations	40.00
Rent	40.20
Badges	4.65
Call Books	29.60
Log Books	13.55
RSCG Handbooks	45.00
Misc. Publications	34.74
Annual Dinner	160.00
Sundries	21.38
A.O.C.P.	71.40
Hamfest	29.70
Interest	14.97
Balance 28/2/66	304.98

\$ 1558.89

EXPENDITURE.

Rent	\$ 121.00
Amateur Radio	352.80
Printing & Stationery	139.83
RSCG Subscription	5.95
RSCG Handbooks	34.44
CQ Subscription (3 years)	14.91
Sundry Publications	28.03
Per Capita Fee	63.90
Convention Expenses 1966	127.69
ditto 1967	20.00
P.O.Box Fees	14.00
Licence VK7WI	2.00
Annual Dinner	161.63
Light & Power	24.54
Donations to Zones	31.50
Project Australis	20.00
Travelling & Accom (Council)	28.00
Petty Cash	30.00
Hamfest	32.84
Honour Board	3.00
Floral Tributes	5.10
Insurance	3.70
Honorary Secretary	21.00
ditto Treasurer	20.00
Cheque Books	5.00
Log Books	12.00
Balance at Bank	236.03

\$ 1558.89

EQUIPMENT ACCOUNT.RECEIPTS

Balance as at 28/2/66	\$ 834.96
Sales	564.70
Interest	28.25
	\$ 1427.91

EXPENDITURE

Purchases	\$ 1009.05
Cheque Book	2.50
Balance at Bank 31/1/67	416.36
	\$ 1427.91

CLUB ROOM FUND.RECEIPTS.

Raffles	\$ 18.85
Disposal Sale	201.30
Donations	131.35
Commission	2.00
Interest (Fixed Deposit)	36.09
Interest (Current Account)	13.11
	402.61

EXPENDITURE.NIL

Current Account 28/2/66	294.48
Fixed Deposit 28/2/66	800.00
	\$ 1497.09

Current Account 31/1/67	\$ 697.09
Fixed Deposit 31/1/67	800.00
	1497.09

All Accounts as published are Subject to AuditT. Connor
Treasurer

VK7CT

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FOLLOWING you will find a form to be filled in by those taking part in the WICEN emergency who wish to be re-imbursed for expenses incurred while so taking part. This is to be completed and returned to Council as soon as possible, to be verified and passed on to the appropriate authorities.

WICEN REIMBURSEMENT FORM

I hereby certify that the following expenses were incurred by me during the recent Civil Emergency.....

Signed.....

Call Sign.....Date.....
