

THE WIRELESS INSTITUTE OF AUSTRALIA

TASMANIAN DIVISION

APRIL 1965

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

MONTHLY BULLETIN

PRICE 6d.

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

GENERAL MEETING :

The April meeting of the Division will be held in the Club Room, 147 Liverpool St., Hobart, on Wednesday 7th. at 2000 hours. The lecture will be " WICEN Message Handling ", the lecturer, (VK7AL) Tom Allen.

NORTH WESTERN ZONE :

The usual monthly meeting will be held in Lakin's Hall, Ulverstone on Tuesday, 6th., April 1965, at 2000 hours. Guess I will have to have a yarn with some of the boys during the Dinner - might find out what they are up to up there (Ed.)

NORTHERN ZONE:

The next meeting will be held on Friday, the 9th., April 1965, at 51 York St., Launceston, (Adult Education Centre). The lecture will be a tape, with slides " 40 Years of Amateur Radio " by VK7LJ, . George, VK7XL tells me the N.W. boys were most impressed as we were in the South - so pull the TV plug out and go along to the meeting and see what Lon looked like as a little boy (with a morse key).

V. H. F. GROUP:

The next meeting of the V.H.F. Group will be held in the Club Room, 147 Liverpool St., Hobart, on Wednesday, 21st., April 1965, at 2000 hours, all interested are cordially invited.

Council Meeting:

(Sorry small type - I'm a lousy typist - Ed.,) The April meeting for Council will be held at the Club Room, 147 Liverpool St., on Monday, 19th., April 1965. at 1930 hours.

SUBSCRIPTIONS :

Subscriptions received to 17th. March 1965;
 Acknowledgement and thanks to the following; VK7DG; VK7ZAS; VK7AL; VK2KS; VK7ZJ; VK7TX;
 VK7KA; VK7ZOO; VK7RX; VK7ZMH; VK7RH; VK7ZJG; VK7JD; VK7CT; VK7LZ; VK7BP; VK7AI; VK7ZAO;
 VK7DC; VK7JO; VK7ZW: P.L. Dazeley; H.A. Hutchinson; I.R. Gillespie; F. Pienacki; P.J. Stirling;
 D.R. Marsland; P. Schulz; M. Hooper; Mrs. I. Nicholls; D. Ford; I. Ellings;
 J.M. Vout; E. Bevis; R. Drake; B.R. Waldron; F. Richemle; R.J. Verrall; D. Allen.

DONATIONS :

Acknowledgement and thanks to VK7BJ and VK7CH.

CLUB ROOM FUND:

It was resolved at the March meeting of Council to re - commence the Club Room Fund drive - social events , plus other projects are suggested - have YOU any ideas which may help ? Any constructive suggestion will be welcome.

W.I.C.E.N.

Headquarters Zone held another WICEN exercise on the weekend 14th March, the exercise was very successful, another exercise is contemplated - Sunday 4th. April the suggested date, foot field units (27Mcs) working in close co - operation with mobile units - VK7JB is working on the details which will be finalised after a meeting with the Co - ordinators. Further details will be given over the Divisional Broadcast - dont leave it to the few - participants are invited. An Intra - State exercise should soon be on the agenda. Indication re progress would be appreciated from the North and North Western Zones over the Broadcast.

REMINDERS :

Dont forget the last and most important Divisional function for the month refer March Bulletin re the Annual General Meeting and Dinner - Saturday 27th March.

Back on the old hobby horse - PLEASE DONT FORGET YOUR SUBSCRIPTIONS - TNKS.

DID YOU KNOW

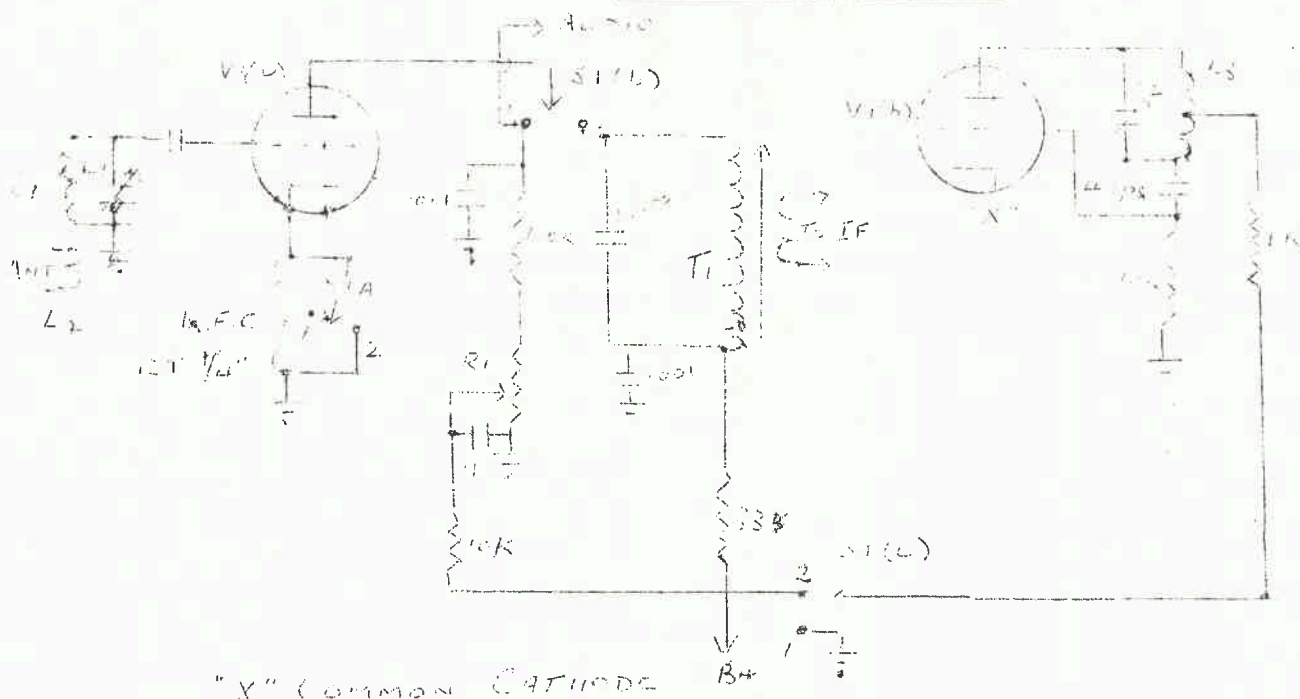
That Oscar 3 now in orbit has a Velocity of 26664 kilo Meters per hour, its average height above earth 904 - 958 kilo Meters, Orbit time 103.53 minutes, Temperature within unit varies between 24deg.C to 36deg.C., Most successful orbit was Orbit 64 when W6 worked LU3, a distance of approx 7000 miles also W6 worked KH6 and KL7, the expected life of Oscar 3 is 30 days from launching.

FOR SALE :

Eddystone 640 Receiver, in good working order and condition - subject to reserve - refer February Bulletin re particulars and conditions applying to tender.

TECHNICAL

This months technical article has been submitted by Leigh Pretty - thanks Leigh, if VHF receivers are as simple as this one looks on paper I wont have any excuse for not building it (Ed.)

V.H.F. PORTABLE RECEIVER

When portable operation on the V.H.F. bands is desired, it is sometimes necessary to have a converter to acquire the needed sensitivity, whereas when only strong signals will be encountered the I.F. stages for this converter may be undesirable because of their size and current drain. The circuit shown here gives either converter or super - regen at the flick of a switch.

L1 - 2 turns.

V1 - 6J6

L2 - 1 turn link

T1 - I.F. output trans., wound for I.F.

L3 - 2 turns, centre tapped.

frequency (24 turn primary, 4 turn

All coils 18 S.W.G. and $\frac{3}{8}$ " diam.

secondary for 7 mc.)

The switch S1 changes the circuit from super - regen to converter, when in Pos.1 the unit operates as a super regen. The tuning is accomplished by means of C1, a small variable capacitor. Audio oscillations are produced by the R.C. net - work in the plate. The Osc. coil is grounded, to earth any R.F. picked up by it. However these two coils should be sufficiently shielded to prevent this. In Pos.2 the unit operates as the converter. Tuning is now done by C2, or this may be left in a fixed position and the I.F. tuned. No provision for oscillator injection need be made, as injection within the 6J6 is sufficient. No trouble should be experienced in getting it going, provided the usual care in wiring of V.H.F. is taken. The possibilities of an R.F. stage for extra gain, and a Xtal Osc. for extra stability should not be overlooked.

Ted Beard, VK7EB

for Bulletin Committee.

