

THE WIRELESS INSTITUTE — OF AUSTRALIA —

TASMANIAN DIVISION

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

MAY 1963

MONTHLY BULLETIN

PRICE 6d

PRESIDENT

Mr. T. Allen
VK7AL

TREASURER

Mr. C. Harrison
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 St., Hobart, on WEDNESDAY, 1st May 1963, at 2000 hours.

The lecture this month will be given by Mr. George Russell, Traffic Engineer of the Transport Commission, and his subject "Traffic Signalling". This should be a very interesting talk, dealing with a different type of signalling to that with which we are mainly concerned. Visitors as usual are very welcome of course.

NORTHERN ZONE

The next meeting will be held at 102 Charles St., Launceston, on FRIDAY, 10th May at 1945 hours.

NORTHWESTERN ZONE

At the last monthly meeting 14 members were present. It was decided that future social meetings will be held at members' homes as was done previously. It is hoped that this will create more interest in the Zone activities.

The next meeting will be held on TUESDAY 7th May at Lakin's Hall, Ulverstone. This will be the last social meeting held at this venue, and a good attendance is requested.

COUNCIL MEETING.

The next Council Meeting will be held at the Club Room, on MONDAY, 20th May at 1930 hours. Councillors please note place and time.

V. H. F. SECTION

The next meeting of the V.H.F. Section will be held in the Club Room on WEDNESDAY, 15th May at 2000 hours.

SILENT KEY

It was with deep regret that we learned of the passing of Ted Evans VK7FJ on April 9th. Ted had been in poor health for some time, but prior to that he had been active both on the air and in Institute affairs when his work permitted. He was President of the Division in 1955 and 1956, Secretary 1952 and 1953 and Treasurer 1954.

To his wife and family we extend our sincere sympathy.

CLUB HOUSE FUND

Our thanks to Associate Members L. Jacobson, D. R. Baigent and R. K. Jaeger for their donations to the Club House Fund.

ATHOL JOHNSON MEMORIAL TROPHY.

Congratulations to Reg Emmett VK7ZAO in winning this year's Contest. I have no further details on the scoring etc. but understand that participation was not as good as was expected.

SUBSCRIPTIONS.

Another reminder to those laggards who have not yet paid their subscriptions - best get them in immediately if you don't want to miss copies of "Amateur Radio"

Subscriptions received from 24/3/63 to 20/4/63 from : VK7DJ, VK7ZRJ, VK7MY, VK7RX, VK7ZBE, VK7SM, ZL3BO, VK7ZAC, VK7CK, VK7ZAZ, VK7TR, VK7RK, VK7XL, VK7PJ, VK7ED, VK7CF, VK7JP, VK7AB, VK7GA, VK7LZ, VK7MX, VK7ZBH. Messrs. S.R. Copper, I.R. Filby, D. Porthouse, P. Schulz, R. Stranz, L. Jacobson, A.L. Beaumont, J.M. Kerr, D.R. Baigent, C.G. Waldon, E. Bevis, R. Jones, R.K. Jaeger, G.J. Harper, R.L. Harwood, G.R. Crompton. Donation VK7LJ.

COUNCIL MEETING by VK7EB

As your Publicity Officer I have been delegated to give a monthly report on Council activities. I wish everyone to realise that I intend these reports to be of an impartial nature, to provide interest in the Division primarily, however, should I tread on anyone's toes, let justice prevail - on both sides !!

The initial meeting of your new Council was held in the Club Room on Thursday 4th April. The following is the list of Officers and their respective duties for the coming year :

President:	Mr. T. A. Allen VK7AL
Secretary:	Mr. K. Spiegel VK7KS
Treasurer:	Mr. C. Harrison VK7CH
Vice Presidents:	Mr. L. W. Edwards VK7LE, Mr. C. Harrison VK7CH
Minute Secretary:	Mr. L. W. Edwards VK7LE
Youth Radio Scheme:	Mr. E. Beard VK7EB, Mr. I. Nichols VK7ZZ
Bulletin - Editors:	Mr. E. Beard VK7EB, Mr. C. Harrison VK7CH
Technical:	Mr. D. A. Thorne VK7ZAI
Distribution:	Mr. T. A. Allen VK7AL, Mr. T. Connor VK7CT
AACP Class Instructor:	Mr. T. Connor VK7CT

VK7KS and VK7EJ being ex-officio members.

Business. Due to the coming Convention in Sydney at Easter the meeting dealt with agenda items with the necessary voting instructions for our Federal Councillor. I was most impressed, being my first Council meeting, on how Tom "fed" the agenda items through - each item was dealt with without skimping and a noticeable lack of sidetalk, a point which I consider very commendable. The only other business conducted was the election of Officers and permission of Council to VK7ZZ and VK7EB to start the ball rolling on the "Youth Radio Scheme"

Well, that's all about your Council this month chaps. If you have any queries or grumbles, drop me a line - don't forget your Division is only as good as you make it.

DISPOSALS.

Thanks to the co-operation of John Macey VK7ZOO we can now arrange for disposals gear etc. to be taken to Launceston and Burnie/Devonport, but there may be a delay of a week or two on occasions.

SPLATTER !! by VK7EB

Heard on the side bands that Allan VK7MY went mobile marine (sub) a few weeks back - apparently some bright spark gave him the wrong nautical handbook. Another thought is that Allan thought the "Ark" looked better "Ark up with care" ! You have guessed it - Allan ended up in the drink (take note 7CH and 7KA). I have been told on good authority that the air in the vicinity became so ionised that really rare DX was heard for hours afterwards. Allan now tells me that he is contemplating building a larger craft, apparently he is fed up with the Western Shoreites not being able to work South Africa.

Ian (Rasputin) Nichols VK7ZZ holds the unbroken record for rag-chewing in VK7 - he admits two hours - but you know how modest the old scoundrel is. Ian also boasts inbuilt noise limiter, Q5er and signal booster & when the ether consists of QRN, QRM, QSB etc. he still works them.

I believe Dave Berry is progressing favourably with his S.S.B. rig. Getting ready for the H.F. bands Dave?

Mike Jenner was heard to remark that he might start pounding the key. Complains of lack of QSOs on VHF so is thinking of qualifying for his full ticket. Go to it Mike - just think of the DX!

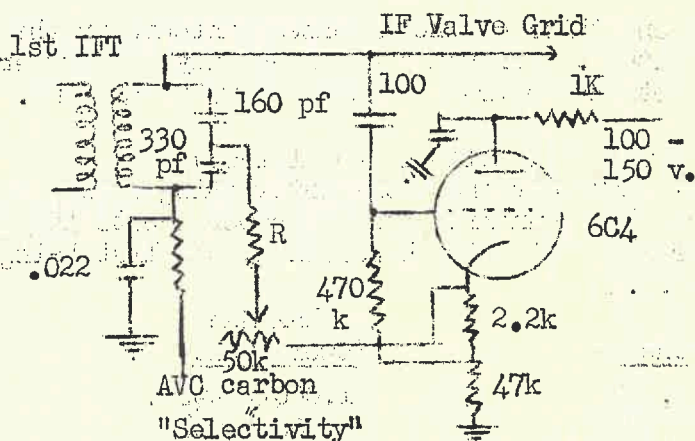
Tom Barnes (VK7BT) just about finished his new shack - going to be really cosy too I believe - looks like more QRM in VK7.

Bryan Eyre VK7BE (VK7ZBE) has been worked on 14 mc/s around 0900 GMT.

No doubt about this SSB - G's pound in on 7 mc/s when the band opens. Heard a G3 working VK2 and VK3 - sounded like the Sunday morning broadcast.

TECHNICAL.A Simplified Q Multiplier by J. Brown VK7BJ

Although this unit does not have rejection facilities it will give greatly increased gain and selectivity to a conventional receiver. Variable tuning of the peak did not prove very useful, so the peak is left in the middle of the receiver pass band. The result is a very effective unit with only one control (selectivity) which can also be set and forgotten in most cases.



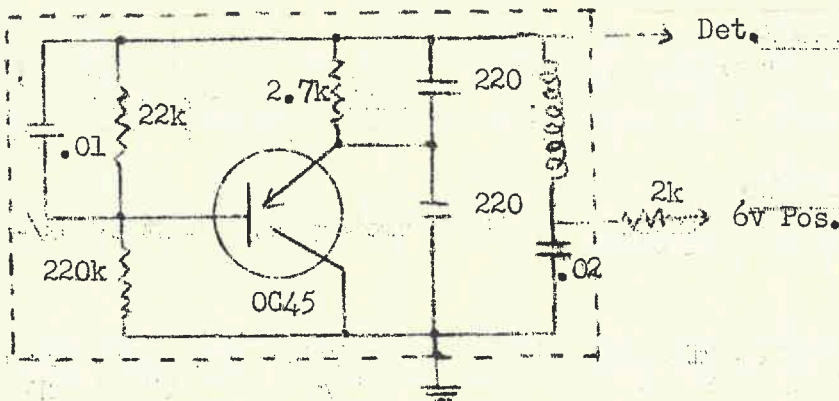
Remove the existing 100 pf condenser across the secondary of the first IF Transformer and replace with the two condensers in series. The fixed resistance "R" should be chosen so that the "Q" multiplier is just starting to oscillate when the selectivity control is full on. As a start try 10k or 22k. Align the receiver normally with the "Q" multiplier in low selectivity. Then advance the selectivity control and adjust the secondary slug of the IFT to centre the peak

in the pass band. Resistance "R" may need changing after this.

If tuning of the peak through the pass band is required connect a small variable condenser across the IFT secondary and reduce the values of the two series condensers (keeping their ratio approximately the same) so that with the variable at mid scale the peak is centred. Any other valve triode connected may be used.

A Compact BFO Unit by VK7CH

Looking for ways to save space in my mobile rig I found that this complete unit can be fitted in a miniature IF transformer can.



Remove the winding nearer the base from a miniature 455 kc/s IF transformer and the fixed condenser across each winding. By a little bit of juggling and by using miniature ceramic and/or ceramic disk condensers and $\frac{1}{2}$ watt resistors, all parts, including the OC45, can be fitted round the former between the remaining winding and the base. Put a layer of tape round the lot to prevent shorts to the can and replace in the can. You then have a compact and well shielded BFO that takes up little space and works very well. In my case a tap on the cathode resistor of the output audio valve provides the necessary 6 volts or so.

The circuit is adapted from one which appeared in the Bulletin a couple of years ago.

SUBSCRIPTION

The Secretary,
W.I.A., Tasmanian Division,
Box 851J G.P.O. Hobart

Enclosed is Cash/Cheque/P.N./M.O. for £ _____ being my annual subscription for the year 1963/64

Address _____

Name _____

FEDERAL CONVENTION.

Our Federal Councillor Ted Cruise VK7EJ reports that the Convention which was held in Sydney over Easter was a huge success in every way. The organisation by the N.S.W. Division was outstanding and the hospitality overwhelming! We hope to have a fuller report by Ted for our next Bulletin.

MEMBERSHIP.

There are still approximately one third of the licensed amateurs in the State who are not members of the Institute. If you know of any why not try and sign them up. Nomination Forms are obtainable from the Secretary at any time.

HAMS IN OTHER COUNTRIES. (N.S.W. Divisional Bulletin April 1963)

From a recent IARU Calendar we have obtained some interesting data regarding the number of licencees in other countries and the power inputs they are permitted to use. We find that Australia is in eighth position, the list being headed, as one might expect, by the U.S.A.

	Number of Licencees	Maximum Power Input
U. S. A.	244,557	1,000 watts
Japan	22,000	500 watts
Great Britain	10,300	150 watts
Brazil	9,000	1,000 watts
Canada	9,000	750 watts
Germany	8,724	250 watts
Argentina	7,000	1,000 watts
Australia	4,179	150 watts

The maximum figure of 1,000 watts is permitted by 17 countries including the three shown above; another 17 countries permitting maximum input in a range between 800 watts and 200 watts, whilst there are nine other countries besides Australia which are permitted to use a limit of 150 watts.

.....Reprinted from "Break-In" (N.Z.)

R.S.G.B. HANDBOOKS.

A further order for these handbooks has been despatched, and they should be to hand within a month or so. We will have a few spare copies so send 35s/- to the Secretary if you would like one (plus 2s3d postage if applicable)

BADGES. LOG BOOKS.

These are obtainable from the Secretary at a cost of 5s/- each for badges and 5s/6d each for log books.

BULLETIN

Zone Secretaries and others are reminded that items for inclusion in the Bulletin must be in the hands of the Secretary by the THIRD MONDAY in each month.

THIS MONTH'S REMINDERS.

WEDNESDAY,	1st May	General Meeting
TUESDAY,	7th May	North Western Zone Meeting
FRIDAY,	10th May	Northern Zone Meeting
WEDNESDAY,	15th May	V.H.F. Section Meeting
MONDAY,	20th May	Council Meeting

73

Chas. Harrison VK7CH
for Bulletin Committee

E & O.E. (Am typing under difficulties this month!!)