

THE WIRELESS INSTITUTE

OF AUSTRALIA

MONTHLY BULLETIN.

Tasmanian Division.
Box 851J G. P. O.

APRIL 1961.

PRESIDENT.

Mr. T. Allen.
VK7AL

HOBART.

Price 6d.

TREASURER.

Mr. C. Harrisson
VK7CH

SECRETARY.

Mr. K. Millin.
VK7KA.

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

The next General Meeting of the Tasmanian Division will be held at the Club Rooms, 147 Liverpool St. on April 5th. 1961 at 2000 hrs. This is as usual the First Wednesday in the month, so keep it clear.
AA180. NOTE THE TIME 2000 Hrs SHARP.

LECTURE.

The Lecture this month will be in the form of a visit to the Studio of ABT Channel 2. This will follow immediately on the business portion of the Meeting, hence the necessity for commencing at 2000 hrs. SHARP.

NORTHERN & NORTH-WESTERN ZONES.

At the time of writing there is no information to hand in regard to the next Meetings of these Zones. I expect that they will be held on the usual nights but where and what will be on the Zone Members will have to ascertain.

S.W.L. GROUP.

The same applies to this Group. The Meeting night will be on April 12th. at the Club Rooms, apart from that no information.

V. H. F. GROUP.

The next Meeting of this Group will be on the third Wednesday, April 19th. at the Club Rooms. The last Meeting was a visit to the National T.V. Station on Mt. Wellington. The multitude of V.H.F. equipment in use certainly was an eye-opener, notwithstanding this a number of members could be cited for giving the programme too much attention.
50 Mc/s.

Nothing exciting recently; recent auroras and magnetic storms have brought a few signs. Try listening 7-10 days after a aurora.

On Sunday night, Feb. 26th. VK7ZAK heard a signal believed to be that of VK7LZ on 144 Mc/s. but no contact could be made. This, however indicates the feasibility of Hobart-Launceston contacts. The frequencies of some of the more active Southern Stations using 6 & 2 Metres are:-
VK7ZAI 50.04 & 144.28 VK7MY 50.88 & 144.27

VK7ZAK 50.9 & 144.018 VK7ZAO/Q 50.08 & 144.14. All Mc/s.

Other stations are all below 51 Mc/s and 145 Mc/s.

VK7MY should now have new modulation transformer in service, this should give improved results for the VK7WI rebroadcasts.

VK7ZAO has new modulator working, hopes to increase power on 2 mx.

VK7ZAI has plans for a new tower & beams for 2 mx. VK7ZAV now has a 10 el. beam on 2. It is believed that VK7EJ intends operating on 2.

Don't forget the Fox-Hunt. & make use of the V.H.F. band; a super-regen and 3 el. beam don't take much building.

(Signed) R. Emmett VK7ZAO.

FOXHUNT.

A Fox-Hunt will be held on the night of Tuesday, April 18th. The frequencies used will be 144 and 3.5 Mc/s bands. I have no specific frequencies. Weather permitting, I understand that a barbecue will be held after the Fox has been run to earth or, failing this, at the expiration of a certain time limit. The charge per vehicle will be 10/-, proceeds in aid of the Club Room Building Fund. SO EVERYBODY, roll along and be in the fun, if you don't possess any B.F. gear for these bands and have not time to

construct any, then you can tag along with some one who has this gear and join in the fun. HELP MAKE IT A SUCCESS.

While on this subject, it is hoped that shortly the V.H.F. Notes will be transmitted on the 50 Mc/s band by one of the V.H.F. Group and this transmission will be relayed on 7 Mc/s by VK7WI. Jack, VK7JB has, I believe, completed a 50 Mc/s converter and providing that the P.M.G. Dept. agrees, this service to the V.H.F. enthusiasts will be inaugurated shortly. Listen to VK7WI for final details.

A.O.C.P. EXAMINATIONS.

As a result of the large numbers of candidates for Operators Certificates of Proficiency it has been found necessary to change the dates on which these are held.

Commencing in July 1961, the A.O.C.P. examination will be held on the third Tuesday in the months of January, April, July and October.

The closing date for applications is the 22nd. day of the month preceding that in which the examination is to be held. KEEP THIS IN MIND so that you will know what time you have got up your sleeve if you are intending to take this examination, or know some one who is desirous of doing so.

ANNUAL SUBSCRIPTIONS.

THESE ARE NOW OVERDUE. If YOU are among the tardy ones, you had better do something about it, and NOW. In order to save postage receipts for Subscriptions will not in future be sent to Members unless a receipt is specifically required. IF you require a receipt, please send a stamped, addressed envelope with your remittance. Receipts will be made out for ALL Subscriptions received and Call Signs and names will be published in the Bulletin each month for Subscriptions received. This is not in order to point the bone at the non-payers, but to let the payers now that their Sub. has been received O.K.

Subs to date. VK7JO. VK7ZZ VK7RM. VK7GA VK7RT VK7ZAH VK7DC
VK7GR VK7KS VK7CT VK7ZAS VK7GV VK7AG VK7ZAO VK7CL VK7LL VK7AI
VK7AX VK7GC VK7KH VK7ZAO VK7KA. K.L. Wheelton. C.G. Waldon.
H. Hiscutt. R. Stranz. M. Hopper. N. Fisher. D. Berry. G.F. Sharp.
F.G. Jeffery. P. Agnew. E. Boyis. P. Deholm. G. Root.
This List is made up to March 16th. 1961.

ANOTHER FORM IN CASE YOU THREW THE LAST ONE AWAY.

Name..... VKZ.....
Associate.....
Postal Address.....
Enclosed is..... for the sum of £.....
being my Annual Subscription for the year 1961-62.

Full city. £2-0-0 Full Country. £1-15-0
Associate City, £1-15-0 Associate Country £1-10-0

Exchange is not necessary on Institute cheques. Money orders or Postal Notes should be made payable to W.I.A. at G.P.O. Hobart.

" GUIDE TO AMATEUR RADIO".

This R.S.G.B. Publication will be available through this Division at 5/- per copy post free. It would be especially useful for those interested in the A.O.C.P. and to those who have recently passed their exam. and wish to get started on the air. Council can thoroughly recommend a copy to you and if you wish one reserved and sent on to you, please notify the Secretary, (at the same time enclosing the 5/-) and it will be sent on to when stocks arrive.

MEMBERSHIP BADGES.

Existing stocks of badges are exhausted, but the new miniature ones are on order and will be available shortly. Price of these is not at the moment known but you will be advised of this later when stocks come to hand.

POST OFFICE BOX NUMBER.

Unfortunately, owing to an Address published in "Radio & Hobbies, there still seems some doubt about the correct address for this Division. It is STILL BOX 851J. G.P.O. HOBART for ALL correspondence EXCEPT QSL Bureau. Federal Contest Committee is STILL BOX 851J. G.P.O. Hobart. If at any time there is any change, which same is not envisaged, you will be notified via this Bulletin. A letter has been written to R & H Editor so that I hope this query will not in future again arise.

ANNUAL GENERAL MEETING AND DINNER.

This event was held last night and was a great success, both from the point of view of Members from various Zones and more or less outlying areas and also from the Dinner and social activity made the more enjoyable by having the Ladies present. A certain amount of hilarity was caused on odd occasions because of the fact that anyone caught talking about radio and/or allied subjects was fined a bob so quite a few shillings were collected for the Club Room Fund. 32 votes only were cast for the election of your Council for the ensuing year.

The Officers for the Division for the year are as follows:-

PATRON.	Mr. L. Crooks.	VK7BQ.
QSL MANAGER.	Mr. J. Batchler.	VK7JB.
TRAFFIC OFFICER.	Mr. R.D.O'May	VK7OM.
BROADCAST OFFICER.	Mr. J. Batchler.	VK7JB.
Asst. B'CAST OFFICER.	Mr. K. Spiegall.	VK7KS.
HON. SOLICITOR.	Mr. I. Nichols.	VK7ZZ.
AUDITORS.	Mr. L. Jensen.	VK7LJ.
	Mr. G. Richardson.	VK7GR.
LIBRARIAN.	Mr. D. Watson.	VK7DW.
LECTURE ORGANIZER.	Mr. L. Edwards.	VK7LE.
NOISE LIAISON OFFICER?	Mr. L. Jensen.	VK7LJ.
V.H.F. OFFICER.	Mr. A. Morrisby.	VK7MY.
DIV. CORRESPONDENT.	Mr. I. Nichols.	VK7ZZ.
DISPOSALS COMMITTEE.	Mr. K. Millin.	VK7KA.
	Mr. C. Harrisson.	VK7CH.
	Mr. E. Cruise.	VK7EJ.
COUNCIL.		
	Mr. T. Allen.	VK7AL.
	Mr. D. Watson.	VK7DW.
	Mr. C. Harrisson.	VK7CH.
	Mr. K. Millin.	VK7KA.
	Mr. L. Edwards.	VK7LE.
	Mr. A. Morrisby.	VK7MY.
	Mr. I. Nichols.	VK7ZZ.
Federal Councillor.	Mt. I. Nichols.	VK7ZZ.

The PRESIDENT? VICE-PRESIDENTS? SECRETARY and TREASURER will be elected by Council, and the result will be advised later.

A N N U A L R E P O R T . 1960-61.

Gentlemen.

It is indeed an honor and a privilege for me, as your President, to present to you this report for the year just closed.

The Institute has continued to prosper in all its endeavours and now has a Club Room Committee working whose aim it is to raise funds to provide the Institute with its own premises. Our finances are sound as the Financial Statement shows and with the new arrangement recently completed with the Postal Department should show an even more favourable balance in the future.

General Meetings have been well attended and Lectures, ably arranged by Mr. L. Edwards, VK7LE? have always provided subjects of keen interest to those attending. Your Council attended to the routine matters of the Institute at meetings held at each Council Member's home in turn during the year.

Membership.

At the close of the year the Institute strength was :-

Full Members.	97.	Student Members	2
Associate Members.	62	Life Members.	6
Honorary Members.	1		
			Total 168.

During the year there were quite a number of Full and Associate Members elected and sundry unfinancial Members were removed from our books, Dr. K. McCracken, ex VK7KM, was again elected an Honorary Member for the year.

Athol Johnson Memorial Trophy.

This was won in the Contest last year by Mr. B. Watson, VK7ZAK, and will be presented a little later.

V.H.F. Group.

During the year further attempts have been made to increase the interest in V.H.F. and with the consistently increasing number of Limited Licencees the Group is looking forward to a very successful year in 1961. Arrangements have been completed for the re-broadcast of the Group notes on 50 and 144 Mc/s.

North and North-West Zones.

These two Zones have continued to hold their regular Monthly Meetings and quite a few of their Members have succeeded in obtaining their A.O.C.P. or L.A.O.C.P. Of the two Zones the North-West appears to be by far the most active and are to be congratulated on this activity.

St. John Ambulance.

The usual shift work continues for this Association and the Members concerned are to be congratulated for the work they are doing. Two new Control Boards have been built by the Institute during the year, more will be constructed as required.

Remembrance Day Contest.

Our Division was again successful in this Contest this Year. However our participation factor of 38% was much lower than that of last year but fortunately our top six average was considerably higher at 781 points. Our appreciation is hereby expressed to all those who participated.

Scout Jamboree-on-the-air.

Much more local and world publicity was apparently given to this event this year and a larger number of Scouts availed themselves of the facilities provided. Many overseas and interstate contacts were made and greetings exchanged.

Q.S.L. Bureau.

During the year the QSL Manager, Mr. J. Batchler, VK7JB, handled 2,668 inwards and 3,156 outwards cards, considerably less than last year. Jack is to be congratulated on the able handling of this time-consuming job.

Royal Hobart Regatta.

As in previous years, Members of the Institute assisted by providing radio communication at the Royal Hobart Regatta on Feb. 11th. and 14th. 1961.

Federal Contest Committee.

This Committee, formed from Members of this Division under the Contest Manager, Mr. L. Jensen, VK7LJ, has continued the task of arranging Contests and checking results. In this latter part of its work, the Committee has been ably assisted by volunteers whose help is much appreciated.

In concluding this report, I would like to express appreciation of the valuable work done in the production of the Bulletin by Mr. T. Moore, VK7FM, who has assisted greatly in the duplication of same, and to Mr. J. Brown, VK7BJ, and our Secretary Mr. K. Millin, VK7KA.

To the Treasurer, Mr. C. Harrisson?, VK7CH, to the retiring Federal Councillor Mr. E. Cruise VK7EJ, and the Council Members who so ably helped the Division along during the year, to those Members who so willingly performed the more menial tasks such as preparing supper, cleaning the Club Room and other tasks to which there is no glamour, I express my deep gratitude and thanks.

To the incoming Council and Officers, I take this opportunity of wishing them every success and trust that they will continue to receive the full support and co-operation of all Members.

(Signed)

T. A. Allen. VK7AL.
PRESIDENT.

RECEIPTS AND EXPENDITURE - YEAR ENDED 28/2/61

GENERAL ACCOUNT

Receipts

Subscriptions	£229-10- :
Subscriptions to Bulletin	47- 8- :
Donations	18- :- :
Rent	34- 7- 6d
Badges	2- 2- :
Log Books	18- :- :
Call Books	11- 8- :
Bank Interest	4- 9- :
Sundry	1-11- 6d

Balance 1/3/60

£349-14- :
\$5- 5- 4d
£434-19- 4d

Expenditure

Rent	£66- :- :
"Amateur Radio"	132-10- :
Petty Cash & Postages	52- 6- 10d
Light & Power	4-10- :
Call Books	13- 1- :
Stationery	2-14- 5d
Subs. to Magazines	5-15- :
Honorarium Secretary	7- 7- :
Convention Expenses	16-18- 4d
Honour Board	28- 2- 6d
Annual Meeting expenses	5- :- :
Per Capitas	15-10- :
Club House Fund	20- :- :
Post Office Box	6- :- :
Sundry	7- 7- 6d

Balance 28/2/61

£383- 2- 7d
51-16- 9d
£434-19- 4d

EQUIPMENT ACCOUNT

Sales	£137- :- :
Commission	2- 5- 6d
Bank Interest	3-17- :
Sundry	6- 6d

Owing members 1/3/60

£143- 9- :
3-16- :

Balance 1/3/60

54- 9- 8d
£201-14- 8d

Purchases	£10- 5- :
Refunds to members	2- :- :
Sundry	15- :

Owing members 28/2/61

VK7BI 10/-
VK7LD £1
VK7SF 6/-
VK7SM £1-15/-

Balance 28/2/61

£13- :- :

3-11- :
185- 3- 8d
£201-14- 8d

CLUB HOUSE FUND

Transfer Club Funds	£20- :- :
Donations	17-12- 6d
Raffle	4-10- :
Field Days	14- :- :
Auction	35- 2- :
Social Evening	1-17- :
Advertisement Bulletin	1- :- :
Cabaret Evening	1- :- :

£95- 1- 6d

£95- 1- 6d

Balance 28/2/61

£95- 1- 6d

£95- 1- 6d

C. Harrisson. VK7CH

Audited and found correct

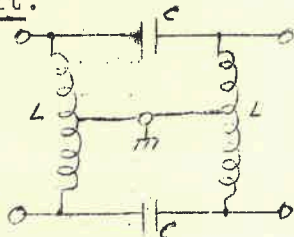
Hon. Treasurer
1/3/61

L. R. Jeensen VK7LJ } Hon. Auditors
G. H. Richardson VK7GR }

TECHNICAL. TVI High Pass Filter,

This filter is designed to be inserted in the 300 ohm twin lead to the receiver, its purpose being to prevent overload of the receiver by the final stage of your transmitter. The filter will pass all frequencies above 44 Mc/s but will not pass those below it. Therefore, it will not help those working on bands above 30 Mc/s. nor those whos are radiating harmonics in the TV Channel.

Circuit.



C 12 Pf. Ceramic.

L. 1.08 uH.

It is a balanced high pass costant K filter with a cut-off frequency of 44 Mc/s and an impedance of 300 ohms.

CONSTRUCTION.

The Filter is mounted on a piece of insulating board 1/16" thick and 1" x 1 1/2" in size. Drill 5 holes as shown and mount soldering lugs in the 4 corners. Use of round head bolts and nuts is preferable. Fit one in the centre hole as well. The components are mounted as shown, the soldering being done of the bolt heads.

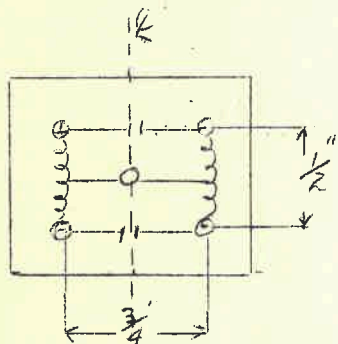
COILS.

These are made as follows:-

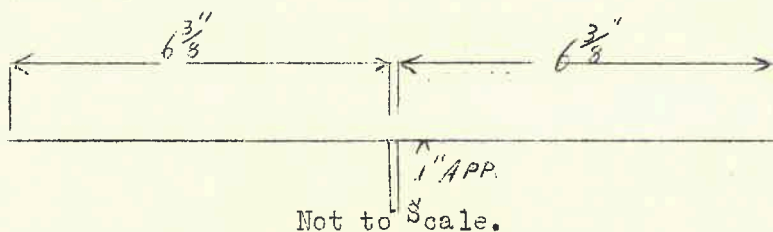
Take a 15" length of 30g. enamel insulated wire (B & S) and fold it double. Clean off about 1" of the fold, then tin it. Next bend the remaining ends at right angles and cut to the lengths shown. Clean 1/8" of the end of each wire and tin them. Then, starting from the centre and working outwards wind the coils close wound on a 1/8" diameter rod, making sure that both halves of the wire are wound in the same direction. Next bend the 1/8" ends of the wire at right angles and trim the 1" center tap lead so that it will just reach the centre bolt. Then solder the coils in place. The whole success of the filter will depend on the care with which the coils are constructed.

USE.

The filter should be attached right at the terminals of the set. It may or may not be necessary to use the earth connection, but if it is make as SHORT a connection as possible to the receiver chassis.



Full Size.



If you are radiating harmonics the an antenna coupler will work wonders.

Guess that is the lot for this month.

K. E. Millin.

Hon. Secretary.