

TASMANIAN DIVISION

MONTHLY BULLETIN

PRESIDENT: Mr. T. Allen TREASURER: Mr. T. Connor SECRETARY: Mr. C. Russel-Green
VK7AL VK7CT VK7CB

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

WE NEED.....there is always need for something, somewhere, sometime by someone and not the least in need is our Institute.

Very shortly nominations will be called for Divisional Council, and , if everything goes as usual there will be need for a couple of "con" tricks to get enough nominations to necessitate a ballot.

A certain system pervades all Organisations in this Age and seems to be abetted by our high living standard which has projected us almost to a state of suspended animation. The system to which I refer is called the Jack system -- -- need I say more?

We must rid ourselves of this system before it is too late -- before we lose our entity -- before we lose all the Institute has fought for and for which it is still fighting.

Our Institute needs 100% membership, voluntary of course, but with a little duress if necessary.

It needs more co-operation from all members.

It needs men with ability and zeal to fill its executive positions.

It needs YOUR help.

Are YOU nominating for Council at the Annual elections?

Goodonya, mate.

Note: ADA = acting deputy assistant.

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5th. North-western Zone, Lakins' Hall, Ulverstone, 2000 Hrs.

6th. Headquarters General Meeting, 147 Liverpool St., Hobart, 2000 Hrs.

8th. Northern Zone, Adult Education Rooms, 51 York Street, L'ton 2000 Hrs.

16th. VHF Group, residence of Barry Riddell VK7ZBJ, Montagu Bay, 2000Hrs.

19th. Council, residence of President, Lindisfarne, 1730 Hrs.

At HQ there will be a talk by VK3YS about a particular type of Sideband gear.

VHF Group, take your own solid and liquid refreshment.

Council, bucks' party this year, bring your own blotting paper -- sorry, bottled fluid.

APOLOGY. Sorry this is late, the real Editor is on leave - back for next edition.

LIFE MEMBER

At the last General Meeting the President VK7AL was nominated for Life membership and it was unanimously agreed that Tom be duly elected. After all the nice things had been said, Tom stated that this was the highest honor that the Institute could confer on a member and that he felt deeply grateful that his efforts had been considered to warrant such an honor. He went on "I did not recognise my "record" when it was read out, but I do recognise the Institute as the voice of the Amateur operator, I believe in its actions on behalf of the Amateur, I believe that all licencees should be members and I further believe that we should make more effort to bring this about."

Briefly, the "record" is: ,admitted to Associate membership 1934, Full 1936. Council, 20yrs. QSL manager, 9 yrs. Publicity 1 yr., Tfc mgr. 1 yr., V/Pres. 2 yrs B'cast Offr. 4 yrs., Lecture Offr. 1 yr., Bull. Dist. Comm. 12 yrs., President 7 yrs. You may notice that the only two jobs he has not done is Sec. and Treas. — wonder why — no prize for the answer.

C.W. EXAMINATIONS.

As you know the Institute has been doing much to encourage AQC/CP holders to obtain their CW qualifications and to this end provides regular slow morse transmissions.

In spite of this, however, the failure rate is high and for this reason an approach was made to the Chairman, Amateur Advisory Committee in this State to obtain his comments and reasons for the failure rate and to obtain the Examination marking conditions.

The receiving test consists of a plain language text, with numerals, at a speed of 14 wpm, sent for 5 minutes duration. For each letter or numeral error the candidate makes, 3 marks are deducted but only up to a maximum of 9 marks in any one word. This means that if a candidate missed the whole of the word SEVERAL he would lose only 9 marks. The total of all deductions is subtracted from 100 and expressed as a percentage. A 70% or above mark is required for a pass.

The sending test, again in plain language with numerals, must be sent in $2\frac{1}{2}$ minutes or under. One mark is deducted for each poorly formed letter or numeral and one mark for each poor spacing. For each uncorrected error a deduction of 3 marks is made. No marks are deducted for a correctly corrected error.

Apparently many candidates do not correct mistakes in the approved way. The correct procedure is to transmit the error signal (.....) and then return to the word immediately prior to that in which the error was made, re-transmit that word, then the one in which the error was made and carry on with the text. Failure to return to the prior word results in the loss of 1 mark. Total deductions are subtracted from 50, multiplied by 2 to obtain the percentage. Again, 70% or above is needed for a pass. The Chairman indicated that it was very apparent that candidates spent considerable time on receiving to the exclusion of sending practice whereas it was essential that each section receive attention. He considered that candidates should be able to send and receive at about 18 wpm in order to overcome any tension that might be experienced under examination conditions.

HAMFEST

Another successful function is behind us. Friday night 25th. saw the arrival of the "early birds" 7EJ, 7CT and 7AL. On Saturday there were 9 tents (different sizes from 1 man to 12x12 auto.) and 1 caravan. An early morning count on Sunday had the number of cars at 29 but by lunch time this had increased to 36.

A hearty welcome was extended to Mth. and N.W. Zone members and a few contentious points were hammered out at the "members v council" meeting on Sunday afternoon. There was more excitement than just that provided the competitions — this by some of the local four-legged inhabitants of the area. CT and ZBE have good stories to tell of harrowing actions against the invaders, who were finally driven off in disorder.

We are not sure whether the stories are fair dinkum or you might be able to sort wheat from the dust when you hear the story first-hand.

FEDERAL CONVENTIONHOBART.1967

Members are reminded that the Convention will be held in Hobart over the Easter week-end, about 24th to 28th March 1967. As many members as possible are requested to make themselves available as observers, drivers, waiters and general helpers. A Convention Dinner will be held at the Shoreline Hotel on Easter Saturday night and again as many members as possible are asked to be present to meet our visitors and help them enjoy themselves.

TECHNICAL ARTICLE.

A practical low N/F Converter for 144 Mc. (sorry- 144KHz) by VK5HP & VK5ZTN.

This 2 meter converter has been built around the ECC 2000 special quality twin triode which is designed for use as a VHF amplifier up to 300 KHz in cascode configuration.

The tube features an internal neutralisation screen which eliminates the process of external neutralisation, has gold-plated pins, is interface free, has low microphon-icity and at 2 meters has a very desirable N/F.

Several of these converters have been built and are operating with excellent results.

The converter offers those wishing to take the trouble to try one a relatively cheap easy to construct high performance job, and to the beginner to VHF, one of the easiest of converters to get going.

As the ECC 2000 is designed for cascode we could not do better than follow Bill VK3ABP's layout which appeared in AR a couple of years ago.

Care should be taken with the front end and mixer layout and in adjusting the first tuned circuit for the best N/F. We chose a 6AK5 triode-connected mixer as these valves are cheap and readily available, a 12AT7 overtone oscillator/multiplier and a 6C4 cathode follower. Substitutes can be used if desired.

At this QTH a 3KHz I.F. is used, but no difficulty should be experienced if some other I.F. is required. Supply voltage can vary but on "Receive" should be a max. of 90V on the anode of the ECC 2000. The only equipment used to adjust this conv. was a VTVM and a noise generator (diode type)

COIL DATA

L1 4 turns 18g tinned $\frac{3}{8}$ " dia. $\frac{1}{2}$ " long tap approx $1\frac{1}{2}$ turns from Earthend
L2 12 " 30g enam $\frac{1}{8}$ " " close wound
L3 6 " 18g tinned $\frac{3}{8}$ " dia. $\frac{5}{8}$ " long
L4 5 " 18g tinned $\frac{3}{8}$ " dia. $\frac{1}{2}$ " long
L5 $5\frac{1}{2}$ " 18g " $\frac{3}{8}$ " dia. $\frac{5}{8}$ " long
L6 18 " 32g enam. $5/16$ dia. slug tuned former
CX 3-30 pf concentric trimmer
CT 2-8 pf tubular ceramic trimmer
** Adjust tap on L1 for best signal to noise ratio
RX Adjust for 90V on anode of ECC 2000
X1 28.2 KHz 3rd. overtone crystal for 3KHz I.F.

Chassis and shield material either tinfoil or brass.

NOMINATION FOR FEDERAL COUNCILLOR.

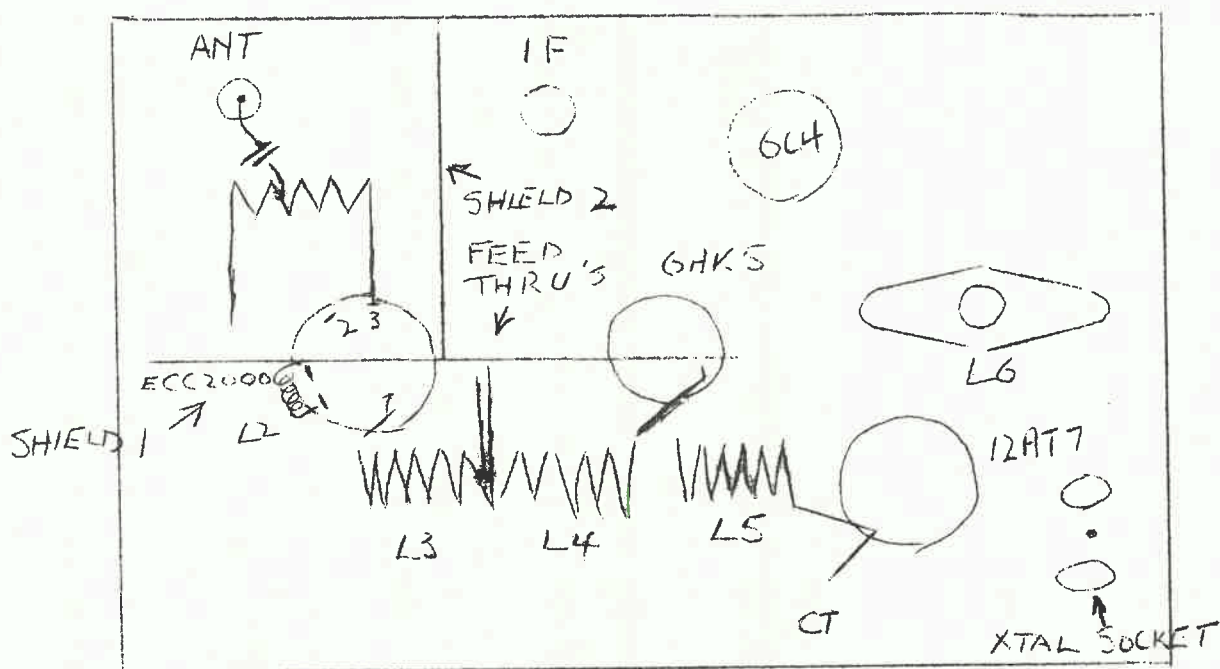
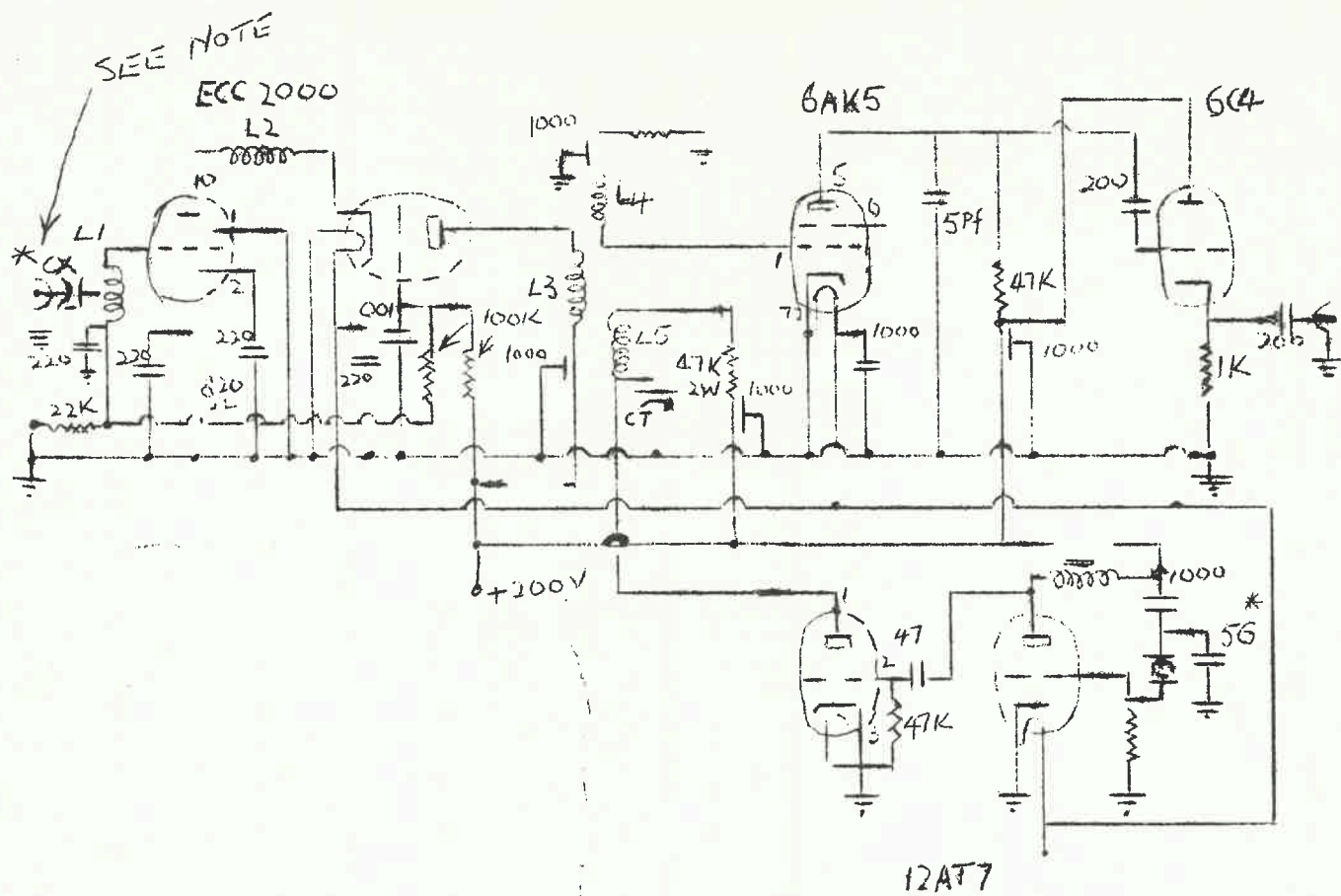
We, the undersigned being Full Members of the Wireless Institute of Australia, Tasmanian Division hereby nominate for the position of Federal Councillor for this Division.

Signed and

I, being the above nominee do hereby accept nomination.

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Nominations must be received no later than Monday December 19th. 1966. Address to the Secretary, Box 851J G.P.O., HOBART. If you cannot get your nominee's signature on the acceptance, send your nomination to us and we will endeavour to get the signature.



CONVERTER SEEN FROM UNDERNEATH

