

QRM

BULLETIN ISSUED BY THE NORTHERN ZONES OF THE
WIRELESS INSTITUTE OF AUSTRALIA TASMANIAN DIVISION

P.O. BOX 1010,
LAUNCESTON,
TAS. 7250

APRIL
VOL. 2 NO. 1

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PRICE 5¢.

It was my intention to have the Treasurer's Report on the front page this month. However, after attending the Annual General Meeting in Hobart I'll just have to write a few lines about the pathetic situation that exists there. Of approximately 100 Members in the Hobart area, only 14 managed to attend the meeting and 9 of these are office bearers! It seems incredible that we can have such a large concentration of amateurs in an area with a complete lack of interest in W.I.A. activities. To me it suggests that something is terribly wrong somewhere, whether it be the organisation or lack thereof, whatever it is, it must be singled out and rectified immediately, otherwise it could well be the beginning of the end of W.I.A. in Tasmania.

JOHN VK7JV,
EDITOR.

MEETINGS

APRIL 4th NORTH WEST ZONE, LAKIN'S HALL, ULVERSTONE
APRIL 7th NORTHERN ZONE, ROOM 12 A.E.B. ROOMS, HIGH ST. LAUNCESTON

Y. R. C. S. CLASSES

APRIL 8th & 22nd) KINGS MEADOWS HIGH SCHOOL, BLOCK B, ROOM 38
&)
MAY 6th)

APRIL 14th, 15th & 16th HOBBIES EXHIBITION AT Y.M.C.A. KINGS MEADOWS

4 MONTHS TO GO TO THE R.D. CONTEST. ARE YOU GETTING READY TO HELP WIN THE TROPHY BACK?

NORTHERN MARCH MEETING

The Annual meeting of the Zone resulted in the election of the following officers:

PRESIDENT	PETER FRITH, VK7PF
VICE-PRESIDENT	
SENIOR	LINDSAY DOWL VK7LD
JUNIOR	CHRIS WALKER VK7UX
SECRETARY	REG EMMETT VK7KK
TREASURER	KEVIN HENDRICKS VK7ZAH
QSL MANAGER	COL WRIGHT VK7LZ
QRM EDITOR	JOHN VAN STAVERAN VK7JV
EQUIPMENT OFFICER	KEVIN HENDRICKS VK7ZAH
AUDITOR	CARL WALDRON

It was resolved to allow the WICEN committee to lapse.

The meeting, held at 7LA Auditorium, was attended by 28 members. Although apologies were received from a number of regulars, it was pleasing to see some faces which we don't sight often enough.

Action was initiated on two activities:

- (1) Permission has been requested from the PMG to operate a 6 metre beacon. At this stage it will be temporary and operating from Joe's Westbury QTH. A 25 watt solid state unit will be constructed.
- (2) The Zone will be operating a display at the Kings Meadows Y.M.C.A. Hobbies Exhibition on April 14-16. Brian 7RR and Norm 7ZNR volunteered to coordinate arrangements and it is hoped that there will be plenty of offers of assistance.

REMINDERS

- (1) Have you given your donation to the repeater maintenance fund.
- (2) Our next meeting is one week earlier due to the Y.M.C.A. show. Speaker will be Mr. Moore, manager of Federation Insurance. Have some curly questions available; VENUE HIGH ST. ROOM 12.
- (3) Subscriptions due - ONLY \$1.

WANT 1.2 kw OF AUDIO?

Our March Lecture by Rex McLean, VK7RB, showed how to find it. If we stick with our power measurement system it would be more like 400 watts !

Rex demonstrated and explained the operation of his 4 x TA50 system designed to operate in the Princess Theatre.

The TA50 is a hybrid power amplifier introduced about 6 months ago. Each unit can give 105 watt output without pushing. In his application each unit was driving a separate speaker system enabling a balance of tonal quality by simply increasing the volume of the amplifier driving the speaker which has the frequency response requiring boosting.

The units give < 1% distortion at 120 watt output and can withstand a dead short for 5 seconds. Their acoustic efficiency was amazing. Winding the input voltage down from 60 volts to 2 volts showed very little sound level decrease and no apparent distortion, at this 1 watt level. I'm sure that the drinkers in the pub next door will agree with us that the system was most impressive.

CONGRATULATIONS to Wally 7ZWX. Gained an honours degree in Electrical Engineering and is now working with the PMG in Launceston.

THESE FOXES are getting too foxy. Parked his car 1 mile away from the site at Port Sorell and hid himself in the bush right next to our site. Really!

IT IS proposed to offer some assistance to those sitting for AOCP Theory. If interested contact 7KK.

CONGRATULATIONS to Kevin 7ZAH and KYL Judith on the arrival of a 2nd Harmonic. This time it's a girl, Vanessa Neita.

IT'S GOOD to see another Quad antenna in Launceston. It belongs to Bill 7AK; hope you can keep it up there Bill!

From the N.W. point of view the Field Day at Port Sorell was an outstanding success. We were delighted with the attendance and co-operation of the Northern Branch. (See Broadcast 19/3/72.) It was evident that the ladies and children really got together and made their day successful and enjoyable and this is an important aspect of any field day. It would be interesting to know how many grandmothers were present. I know of 4 at least. Everyone was so co-operative that organising the show became a real pleasure. I have never known so many to be involved or so many willing helpers. The N.W. Zone say thankyou to everyone who contributed even if it was just being there. A request by two young ladies for "CHAPS FOR CHICKS" will be kept in mind for next time. We were pleased to welcome Ted 7EJ who called in for a time. Competitions were conducted and winners were: Throwing the rolling pin - Sue Atkinson. Guessing the string - Pam Samphoy. Guessing the frequency 7ZGJ and 7MZ.

REPORT ON CRICKET MATCH BY N.W. OBSERVER.

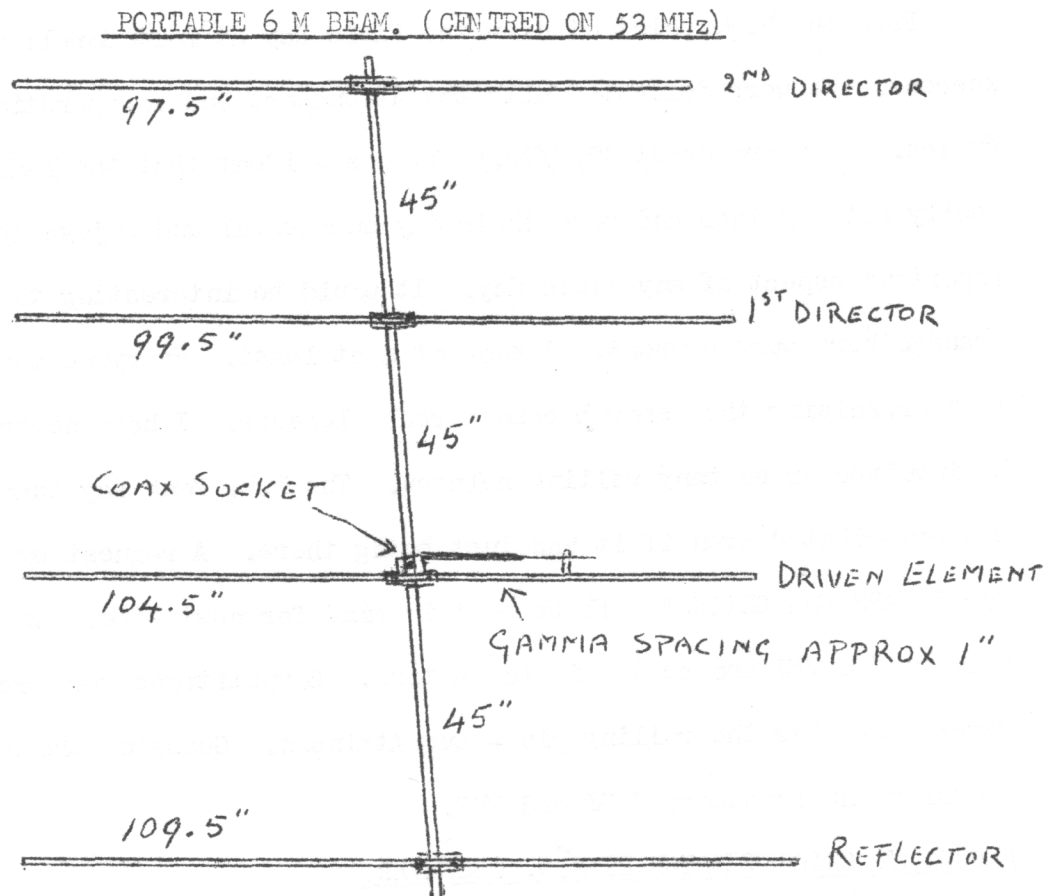
The game was a forgone conclusion. N.W. put up a brilliant performance with the bat and with 3 men short. Around 58 runs were scored in quick time. Unfortunately one was caught out by a N.W. looker-on! Can't figure that one. The North's batting performance was a dismal affair and after 16 members had batted without reaching the N.W. total, three ladies, namely Joy, Ann and Phil were sent in to try to pull the side out of trouble. Although they did a wonderful job, it wasn't enough! And so N.W. retrieved the Cup once again. Thanks for a fine game chaps.

GENERAL NEWS. From 30th Jan to 1st Feb VHF.FM. contacts to VR3 became so common as to be monotonous, and the Geelong Repeater was operated almost continuously. Several other openings occurred during February with the best on the weekend of 26th. On this occasion VR5ZOO Mobile and VR50A at Mt. Gambier were worked direct from Devonport on Channel B.

At the time of writing these notes, Tony 7AX is caravanning around the Tamar area and Graham 7ZGS is doing a week's work in Hobart.

It looks as though Les 7LH will be heard more frequently on HF bands. He has been heard on 80, 40 and 20 recently.

Ken 7KH is working some pretty rare stuff on 20m Mobile from his car, with helical whip. Also on 80 and 40. Also have had several contacts with Len 7BQ on 2M. comes through very well in Devonport from his new Q.T.H. CUL 7MX.



Above is a handy portable 4 element beam which I constructed recently for use on the recent "National Field Day." I was so pleased with the end result, mechanically and electrically, I thought some other people may be interested in the details.

The boom is 1" aluminium tubing. Elements 3/8" aluminium tubing. For ease of folding up, the elements are attached to the boom by the use of "long yagi" type commercial T.V. brackets fitted with screens and butterfly wing nuts. To fold the boom up, the wing nuts are loosened and the elements folded carefully towards the boom, clamping them in one of the adjacent element brackets. The wing nuts can then be re-tightened and the beam is ready for transport. Matching to feeder line (assuming co-ax) is done by the use of a gamma match. The conventional variable capacitor is not used. Instead the gamma consists of 1 piece of 3/8" aluminium tubing with another short length of 3/16" aluminium or rod sliding inside this again. It must of course be insulated from the outer tube, and the outer tube insulated from the boom by the use of two plastic standoffs. By varying the inner tube and the position of the gamma tap, I achieved an SWR of 1.2 : 1 measured at the aerial. The use of this type of gamma match does not require the use of the physical capacitor and attendant weather proofing problems. For further details, refer to A.R.R.L.

Connection to the coax feeder line was made by the use of a belling lee plug and sockets, assuming $\frac{1}{4}$ " coax. (75OHm) The socket was mounted on a small bracket attached to the boom. Connect a short jumper wire from the end of the outer tube of Gamma to a small alligator clip. The small clip is then attached to the centre spigot of the coax socket. This may sound a bit hairy, but the beam here is only used for portable use and thus only required for short periods of time. The clip idea does however allow quick and easy packing or assembly of the beam.

The measurements were taken directly from A.R.R.L. For elements, spacing etc. there could be room for experiment here, if one has the time and desire. I have not done any electrical tests on same, however it appeared to give a good account of itself during the Field Day, working VK3's from VK7.

TONY VK7AX.

Q. R. M.

BULLETIN OF NORTHERN ZONES W. I. A. TAS.

APRIL, 1972.

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It is a pleasure to present this year's balance sheet. As you can see, every venture undertaken this year shows a profit. Some points of clarification are in order. The profit shown for QRM is mainly due to donations received in the early stages, this will dwindle with the increased postal charges.

The Hamfest was a success financially; the main reason for this being the wonderful support of the members and their wives with supply of food. The large profit of the equipment store is due to an extraordinary large increase in turnover and a couple of cash transactions of which only the profit is included.

The amount for debtors may seem large, however this is mainly due to the fact that a quantity of material was sent to various people in the North West two days prior to the closing of our books. We will endeavour to obtain different supplies for the coming year and take this opportunity to thank the members for their support during the year.

KEVIN VK7ZAH,
HON. TREASURER.

R E P E A T E R F U N D

DONATIONS RECEIVED SO FAR FROM:

JOE VK7ZGJ	\$2.00
JOHN VK7JV	\$2.00
REG. VK7KK	\$2.00

Try and get your name on this list by next month!

Q. R. M.

WIRELESS INSTITUTE OF AUSTRALIA
TASMANIAN DIVISION NORTHERN ZONE

TRADING ACCOUNT FOR YEAR ENDED 29th FEBRUARY 1972.

TO STOCK
PURCHASES
GROSS PROFIT

46.64
1911.61

1958.25
236.65

BY SALES
STOCK

2032.86
162.04

2194.90

PROFIT AND LOSS ACCOUNT FOR YEAR ENDED 29th FEBRUARY 1972.

TO EXPENSES

ANNUAL DINNER
Q. R. M.
RENT FOR MEETING ROOM
REPEATER
PETTY CASH
VKNZ LICENSE
HMFEST
P.O. BOX RENTAL
CH. 4 XTAL 7NZ
RUBBER STAMP
CHEQUE BOOK
NET PROFIT

204.00
55.50
20.00
27.22
20.00
6.00
178.17
4.00
9.40
2.40
2.00

BY GROSS PROFIT

OTHER INCOME
SUBSCRIPTIONS
DONATIONS
Q. R. M.
ANNUAL DINNER
AUSTRALIS DONATIONS
PROFIT ON RAFFLE
HMFEST
BANK INTEREST

42.65
26.00
91.10
232.00
18.25
16.70
236.96
9.89

236.65

673.55

910.20

BALANCE SHEET AS AT 29th FEBRUARY 1972.

LIABILITIES

SUNDRY CREDITORS
ACCUMULATED FUNDS
BALANCE 28.2.71
NET PROFIT

20.90
266.35
381.51
668.76

ASSETS

SUNDRY DEBTORS
STOCK ON HAND
LITON BANK FOR SAVINGS

145.63
162.04
361.09
668.76

To S. Walcott.

AUDITED AND FOUND CORRECT ACCORDING TO BOOKS AND PAPERS PRODUCED TO ME.
10/3/72.

G. G. WALCOTT, F.A.C.A.