

THE WIRELESS INSTITUTE — OF AUSTRALIA —

TASMANIAN DIVISION

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

MARCH 1963

MONTHLY BULLETIN.

PRICE 6d.

PRESIDENT.

Mr. T. Allen
VK7AL

TREASURER

Mr. C. Harrison
VK7CH

SECRETARY

Mr. K. Millin
VK7KA

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, 6th March 1963 at 2000 hours. The lecturer for the evening will be Mr. John Brodie who will take as his subject "Tunnel Diodes".

NORTHERN ZONE.

The next meeting of the Northern Zone will be held on FRIDAY, 22nd. March at 102 Charles St., Launceston, at 2000 hours. This is the annual general meeting of the Zone, so a good attendance of members would be the right thing.

Please note change of venue. I understand that there is more space at this new location so there will be plenty of room for all.

NORTH WESTERN ZONE.

The next meeting will be held at Lakin's Hall, Ulverstone, on TUESDAY 5th March at 2000 hours, and will be followed by a social. We were pleased to hear that there was a better attendance at the last meeting, and hope the improved attendance will continue.

KEEP SATURDAY EVENING
MARCH 23rd FREE. SEE PAGE 2

Council Meeting.

The next Council Meeting will be held on MONDAY 18th March at the residence of Mr. K. Millin VK7KA.

SUBSCRIPTIONS.

Another reminder that subscriptions ARE NOW DUE and unless paid by 1st April names of unfinancial members will be removed from the "Amateur Radio" circulation list until their subscriptions are received. This will mean missing at least two copies, so best pay now before you forget.

Current subscriptions are :

Full City	£2	Associate City	£1-15/-
Full Country	£1-15/-	Associate Country	£1-10/-
Student £1- 5s/-			

A remittance form will be found elsewhere in this Bulletin.

Subscriptions for 1963/64 have already been received from VK7CW. VK7MH. VK7RM. VK7RY. VK7ZAK. VK7LE. Messrs. R. Shott and F.W. Collinet.

NEW MEMBERS.

We welcome Messrs. R. Shott and F. W. Collinet as new Associate members

THE UNIVERSITY OF CHICAGO

LIBRARY

PHYSICS

DEPARTMENT OF PHYSICS

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ANNUAL GENERAL MEETING.

Members are reminded that the Annual General Meeting will be held in the Club Room, 147 Liverpool St., Hobart, on

SATURDAY, 23rd MARCH 1963
at 1815 hours SHARP.

Dinner

The Annual Meeting will be followed by a dinner to be held at the Railway Institute Clubrooms, at the Railway Station, Hobart. Tickets are £1 per head and each member may invite one lady guest. The admission price includes a sit-down dinner, refreshments, music etc.

We would like to see an even bigger attendance than last year, and extend a cordial invitation to our country members to come along and bring a guest. Those who made the trip last year will tell you what a good show it was.

The room will be open from 1800 hours for the convenience of those who wish to bring their guest along on the way to the meeting. Sherry and savouries will be served from 1830 to keep the ladies amused.

Admission will be by ticket only and applications must be in not later than Wednesday, 20th March. Tickets will NOT be available after that date as catering arrangements must be finalised in good time.

PLEASE COMPLETE THE SLIP YOU WILL FIND ELSEWHERE IN THIS BULLETIN AND RETURN, TOGETHER WITH REMITTANCE, TO THE TREASURER BEFORE MARCH 20th. An admission ticket will then be forwarded.

Election of Divisional Council 1963/64.

A Ballot Paper is included in this Bulletin for completion by ALL FULL MEMBERS. Full instructions are on the paper. Vote for candidates you consider will do a good job on the Council, and then either post or hand it to the Returning Officer (Mr. J. Brown) any time before the Annual Meeting commences.

V.H.F. NOTES by VK7ZEE

I must first of all apologise for the absence of notes for the last couple of months. The rather poor summer 6 metre DX season seems to have ended and attention is being concentrated on 2 metres. VK7RL and VK7ZAH will be operating from Mt. Barrow in the near future and VK7MW is firing up from Walkers Lookout on Flinders Island. Phil VK7ZAX and Danny VK7ZDM are now operating on 144.25 and 144.352 respectively and they have rocks for 144.1. Dave 7ZAI has a 22 element array up and Geoff 7ZAS is now using a 10 element yagi with his communicator. Eric 7ZEC at Evandale is providing regular 'DX' contacts for quite a few 2 metre operators and has been worked by VK7ZAI, 7ZAO, 7ZAQ, 7ZAP in Hobart and 7ZEE at Otlands. On 29th January a temperature inversion occurred and Winston 7ZAP worked 14 VK3s using 2 metres from Mt. Wellington.

There was a disappointing turn-up at the recent foxhunt in Hobart. The "Terrible Two", Wilf and Reg, succeeded in tracking down the fox (Mike 7ZAV) about 15 minutes before transmissions ended. Barney 7ZAK attended very capably to the barbecue after the hunt.

The next meeting of the V.H.F. Group will be on Wednesday 20th March when I will attempt to deliver a lecture on the "Importance of the First Fresnel Zone"

FOX HUNT.

A fox hunt will be held on SATURDAY, 6th April on 144.1 and 3515 followed by a barbecue at VK7ZAK's residence. Full details next month.

DISPOSALS

Gear ordered from last month's list is now available to all who ordered and can be collected at the next meeting or by contacting VK7CH.

We still have a quantity of ammonium bifluoride on hand if anyone wants some, but would be e help if you could bring a small plastic container.

STRAYS

Mr. J. Brown (VK7BJ) and Mr. T. Connor (VK7CT) have kindly undertaken to rebuild the VK7WI VFO.

It is with regret that we notice the absence of VK7KA's name as a candidate for the Council this year. Ken has been secretary continuously since 1957, and we will all agree that he has earned his retirement. Thanks Ken for a job well done. You will now have many more spare hours in which to work on that new boat.

Once again the Division will be providing a radio hook up between the rowing starter's boat and the finish at the Royal Hobart Regatta. We have been doing this job for a number of years now, but unfortunately I cannot trace the commencing date. Back in 1929 members operated on phone from the S.S. "Toora" for rebroadcasting by 7ZL, and that was the first time a ship/shore rebroadcast had been attempted here. For a few years prior to that Launceston members had organised radio control at the Henley on Tamar Regatta on 200 metres.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 11-11-2010 BY 60322 UCBAW

For the purpose of this study, the following hypotheses were formulated:

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$$A = \begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}$$

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

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The diagram illustrates the experimental setup. A participant is seated at a table, looking at a video screen. A camera is positioned above the screen to capture the participant's hand movements. A light source is positioned to the left of the screen. A target is positioned on the screen. The participant's hand is positioned near the target. The diagram shows the spatial arrangement of the subject, camera, screen, light source, and target.

PRESIDENTIAL REPORT 1962/63

Fellow members:

It is with great pleasure that I am able to report on another year of advancement for our Institute, a year which has seen an increase in membership, in our financial position and in our relations with the public generally.

Membership: this now stands at 5 Life Members, 105 Full Members and 66 Associate and Student Members, making a total of 176. Your Council was forced to write off some 14 members last year due to their being unfinancial beyond the maximum limits.

Finance: As I have stated our general financial position has improved over the past year as you will observe from a perusal of the Treasurer's statement.

Club Room Fund: These have shown a steady increase also, but you will doubtless agree the increase has been a little too steady. The fund has risen from £233 last year to £395 at present. At this rate it could be 20 years before we have our own Club Room.

Activities. These have been a veritable "mixed bag", in which there have been H.F. and V.H.F. participation and include contests, field days, fox hunts and barbecue's. Thanks are due to all those who took part to make such things a success.

I think perhaps the best function which has been organised by your Division was the week-end Hamfest at Campbell Town during November last. This was voted highly successful by all those who attended and it is considered that this could be made an annual function. To the organisers, ably led by Ted Cruise VK7EJ, we owe a sincere vote of thanks.

QSL Bureau: The QSL Manager reports that the Bureau handled about 2500 cards inwards and about 3200 outwards for a quieter, but still busy, year. Our thanks to Jack Batchler VK7JB for a job well done.

Social Functions. During the year certain social functions were arranged, but unfortunately did not receive the patronage which the organisers would have liked. Had it not been for the members who brought friends along to swell the gathering the functions would have been complete flops, without exception.

Annual Dinner: The last Annual Dinner marked the second occasion upon which our ladies have been participants and proved to be a highly enjoyable function.

Public Relations. Our thanks are due to our Publicity Officer Mr. Ted Beard VK7EB for his untiring efforts towards publicising the Institute and its activities. We have had Television, radio and newspaper cover during the year, and our members are becoming known for the public-spirited people they are, instead of being regarded as "radio cranks"

General: In conclusion let me reiterate that the past year has been a successful one and express a hope that the coming year will even be more successful. The degree of success depends upon the degree to which each member is prepared to contribute physically, as well as financially, and it behoves us all, as members, to work together for the common good of our Institute.

I wish to express my sincere thanks to our retiring Secretary, for the six years of faithful and unrelenting effort he has put into the job. Much of the Institute's success is due in no small part to this effort. Thanks again Ken. Finally, let me thank the outgoing Council for their unselfish loyalty to their office, and extend to the incoming Council my best wishes for a very successful year in 1963/64.

(Signed) T.Allen VK7AL
President.

TREASURER'S STATEMENT.

Detailed statement of Receipts and Expenditure for the year will be found on the following page, but there are one or two points on which I would like to comment. Firstly, it is gratifying to be able to report a substantial all round financial improvement. In the general account funds on hand show an increase of £76-19-11d. despite a reduction of £32-12/- in rent received caused by one Club, which previously used our room, moving elsewhere. A profit of over £11 was made at the Annual Dinner as compared with a loss of £15 last year. Convention expenses are down £35. Thanks to the Disposals Committee of the Victorian Division, our Equipment Account shows an increase of £79-17-3d and gear on hand at cost is estimated at £40 about the same as last year. As mentioned by the President, the Club Room Fund increase has been disappointing. Nearly half the total receipts came from one project, practically all of which was done by our President, and apart from this only £44-9-10d. was raised by direct efforts of members, the balance being made up of donations, interest, etc.

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Second paragraph of handwritten text, continuing the narrative or list of items.

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RECEIPTS AND EXPENDITURE - YEAR ENDED 28/2/63

<u>GENERAL ACCOUNT</u>	
<u>Receipts.</u>	<u>Expenditure</u>
Subscriptions £249- 3- 6d	Rent £66
Subscriptions to Bulletin 51-18- :	"Amateur Radio" 128- 6- 3d
Donations 28-14- :	Petty Cash & Postages 15
Rent 16-15- 6d	Log Books 5-14- :
Badges 2	Printing, Stationery 10-10- 5d
Log Books 2- 7- 6d	Subs. to Magazines 5-16- :
Call Books 6-14- :	Post Office Boxes 8- :- :
Annual Dinner 84- 3-10d	Annual Dinner 72- 6- 2d
R.S.G.B. Handbooks 66-11- :	R.S.G.B. Handbooks 59-15- :
A.O.C.P. Class 8- 8- :	Repairs, Renovations 6- 7- 6d
Bank Interest 5-16-10d	Per Capita Fees 17- 4- :
Sundry 7-15- 9d.	Honorarium Secretary 10-10- :
	Chairs & Heaters 28-17- 4d
	Light, Power 4- 4- 7d
	Sundry 14-16- 9d.
	£453- 8- :
Balance 1/3/62 £530- 7-11d.	Balance 28/2/63 149- 1- 3d
	£602- 9- 3d

<u>EQUIPMENT ACCOUNT</u>	
Sales £192-10- 3d	Purchases £105-10- :
Commission 1- 8- :	Petty Cash 5
Bank Interest 6-13- :	Library Books 7-15- :
	Refunds to members 3
	£121- 5- :
Owing members 1/3/62 £200-11- 3d	
	1- 6- : Owing members :
	A.R. Byrne 3s/-
	J. Oliver 12s/-
	15- :
Balance 1/3/62 £201-17- 3d	£122
	243-19- 6d
	£365-19- 6d

<u>CLUB HOUSE FUND</u>	
Donations £19-10- :	
Social 11- 8- 8d	
Fox Hunt 3- 5- :	
Commission 19- 3d	
Bank Interest 7- 1- 8d	
Scrap metal etc. 10-13- 2d	
Sale of Donated gear 17	
Advertisements 4- :	
Auction 19- 3- :	
Special Project 73- :- 3d	
	£162- 5- :
Balance 1/3/62 233- :- 7d	Balance 28/2/63 £395- 5- 7d
	£395- 5- 7d

Subject to audit.

C. Harrison. VK7CH
Hon. Treasurer

LIBRARY.

The following new books have now been added to the library :

CQ Sideband Handbook.	A.R.R.L. Single Sideband Handbook
A.R.R.L. Mobile Handbook.	Hints & Kinks. A.R.R.L.
Service Valve Equivalents	Reference Manual Transistor Circuits
CQ Mobile Handbook.	Valve Data, Wireless World.

These and many older books are now available to members on loan. Also most all copies of "QST", "CQ" and "Amateur Radio" for the past couple of years as well as numerous older ones.

At the last Council Meeting the following rules drawn up for the conduct of the library :

- (a) No books shall be borrowed from the library without the librarian's permission.
- (b) There shall be a charge of 1s/- for each book borrowed, 6d. for each periodical pamphlet, etc. (3d. for copies over 3 years old)
- (c) All books and magazines must be returned to the librarian as soon as possible, but in any case no later than 30 days from the date it was borrowed. (Especially with new books and recent magazines the sooner you get it back, the more members can see it before it gets too far out of date)
- (d) If any member fails to return a borrowed book within 30 days he shall be fined 2s/- per week or part thereof until it is returned.
- (e) Members will be responsible for borrowed books and should any be returned damaged or should they be lost he shall be liable for the cost of replacement.

R. S. G. B. HANDBOOKS.

If you have not ~~yet~~ received your R.S.G.B. Handbook within a week or so let the Secretary know, but if it was coming via another member please check with him first.

We have one spare copy on hand and this will go to the first member contacting VK7CH with his 35s/-

For those who haven't got a copy, we can still obtain them at the same price provided a reasonable number, say 10 or so, are ordered. Send 35s/- to the Secretary and we'll see if we can get enough to make up an order. This excellent publication is well worth the small outlay, which is a saving of about £1 on the local price.

THIS MONTH'S REMINDERS.

TUESDAY	5th MARCH.	North Western Zone Meeting.
WEDNESDAY	6th MARCH.	GENERAL MEETING.
MONDAY	18th MARCH.	Council Meeting
WEDNESDAY	20th. MARCH.	V.H.F. Meeting
		Applications for Dinner tickets close.
FRIDAY	22nd. MARCH.	Northern Zone Meeting.
SATURDAY	23rd. MARCH.	ANNUAL MEETING AND DINNER.

TECHNICAL.

OHM'S LAW.

Do you have trouble in remembering Ohm's Law? If so, try this stunt which appeared in "CQ" some years ago and in a recent N.S.W. Divisional Bulletin.

Visualise a Rabbit (R) and an Indian (I) both on the ground and an Eagle (E) flying above.

To the Indian the Eagle will appear above the Rabbit, therefore :
 I equals E over R.

To the Rabbit the Eagle will appear above the Indian, therefore :
 R equals E over I.

To the Eagle the Indian and the Rabbit will appear on the same level :
 E equals IR.

TECH NICAL ARTICLES

To the 1.19% of the total membership (apart from Council) who contributed technical articles during the year, Reg, Emmett and Greg Johnston, I extend my thanks, and hope that at least some of the remaining 98.81% will help out whoever has the job of compiling the Bulletin for the next 12 months.

C. Harrison VK7CH
 for Bulletin Committee.

ANNUAL MEETING AND DINNER

MARCH 23rd.

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