

THE WIRELESS INSTITUTE

OF AUSTRALIA

MONTHLY BULLETIN.

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

JUNE 1961.

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.

On Wednesday, June 7th, 1961, at the Club Rooms, 147 Liverpool St., the next General Meeting of the Tasmanian Division will be held. The time, as usual will be 2000 hrs. VISITORS WILL BE WELCOME.

Members bringing visitors are requested to introduce their guests to the President or Secretary. Please don't forget to do this, as we do like to welcome visitors officially.

LECTURE.

The Lecture this month will be in the form of a film evening. It is some considerable time since we had a film evening and this month we have three feature films on the one programme.

1. "Construction of the Jodrell Bank Radio Telescope."
2. "Mirror in the Sky."
3. Mt. Stromlo Observatory "Reaching for the Stars."

These films are of topical interest these days, I believe the V.H.F. Group are building some tracking equipment, also VK7LE is very keen on radio astronomy so maybe some ideas will be filched from the construction of the Jodrell Bank radio telescope, although no doubt the local versions will be on a somewhat smaller scale, if for no other reason than that of available land space.

NORTH-WESTERN ZONE.

The next Meeting of this Zone will be held at Lakin's Hall, Ulverstone on Tuesday, June 6th, at 2000 hrs. There will be the usual Auction after general Business has been dispensed with. VK7SF is going to bring along a box of tricks called a Car-Ignition Analyzer or something- anyway it tells at a glance how ones car is behaving- so I guess we will all know after the Meeting whether to trade our car's in or keep them for a few more years!!

The last Meeting took place in Burnie and quite a good crowd gathered to see our President hand over the two-way radio constructed by this Zone to the Burnie Fire Brigade.

(Signed) D.M.Slowan.

Hon. Sec. N.W.Zone.

NORTHERN ZONE.

The next Meeting of this Zone will be held at the residence of Mr. M. Chaplin, VK7CA? 54 Bald Hill Rd. Trevallyn, on Friday June 9th. at the usual time.

V.H.F. GROUP.

The next Meeting of the V.H.F. Group will be on June 21st., keep tuned to VK7WI for news of the activity arranged.

At our last Meeting the main Office Bearers stood down in favour of new recruits. The result was as follows:-

PRESIDENT.	Mr. G. D'Emdeh.	VK7ZAS.
VICE-PRESIDENT.	Mr. M. Watson.	VK7ZAK.
SECRETARY)		
TREASURER)	Mr. B. Eyre.	VK7ZBE.
CORRESPONDENT)		
PUBLICITY etc.)	Mr. R. Emmett/	VK7ZAO.
CONTEST COMMITTEE.	Mr. A. Morrisby	VK7MY.
	Mr. G. D'Emden.	VK7ZAS.
	Mr. M. Watson.	VK7ZAK.

Seems as though the Lecture Committee slipped through- we'll fix that next time.

ANNUAL REPORT

1911-1912

CHICAGO, ILL.

1912

The University of Chicago has during the year 1911-1912 been engaged in a most successful campaign for the advancement of its scientific and literary studies. The faculty has been enlarged by the appointment of several new members, and the curriculum has been revised to meet the needs of the present and future. The University has also been successful in securing the cooperation of the State and Federal Governments in its researches, and in the establishment of new departments and chairs. The University has also been successful in securing the cooperation of the State and Federal Governments in its researches, and in the establishment of new departments and chairs. The University has also been successful in securing the cooperation of the State and Federal Governments in its researches, and in the establishment of new departments and chairs.

Our new President then presented us with a partially built 2 mx. communicator-- the "V.H.F. Group Special". The unit is built in a 9"x6"x 6" case and includes six tubes. Transmitter is a 5763 doubler (final tube) output 2 watts, plate and screen modulated, and driven by a 6U8 multiplier from an 8 Mc/ crystal:- range is expected to be 20-30 miles, dependent only on aerial and terrain. Receiver is a superhet with a superregenerative, 17 Mc. I.F. channel. Provision is made to use either the internal speaker or a telephone-type handset.

Four prototypes will be built, tested and amended, if necessary by VK7' ZAS, ZAI, ZAO, & ZBE. Then we'll have chassis, kit-sets or ready-built units available for disposal.

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We were very pleased to welcome two visitors to our last Meeting :- Col. VK7LZ and Peter, VK7PF. We later adjourned to Barney's QTH for an informal chat and supper. The Northern chaps seem very keen to establish North-South communication. Seems the only thing stopping this is the lack of interest and activity on 2 mx. down South at the moment. Until we establish skeds in the near future, not only listen frequently on this band, but put your transmitter on occasionally.

If you are not operating on 2 mx. do something about it and let's make 2 mx. THE band at the moment, rather than spreading our activity over three bands and filling none of them.

- - - - -
Noted 2 mx. the most popular after a recent Sunday Broadcast 7 stations checked in and only 2 on 6 mx. Following week the reverse - 8 stations on 6 mx., 2 on 2 mx.

Heard VK7ZAG recently; why so rarely Wolf? Ditto to Bob, VK7ZAL

Six meters has been showing signs of life: VK2, and teleprinters heard on 14 th. No reports of any contacts, however.

Building 2 mx. gear at the moment are VK7ZAX & VK7ZAZ, another addition will be VK7ZAS.

David Berry and Neville Fisher building 288 MC. rxs:- why not 2 mx.? Even Ted Beard will be building a 2 mx. communicator !!!!

Noticed VK7ZBE (plus VK7ZAI) checking his field day gear: another fox-hunt?

(Signed) R. K. EMMETT, VK7ZAO.

S.W.L. GROUP.

The next Meeting of this Group will be held on Wed. June 14th. next at the Club Rooms, 147 Liverpool St. I understand that the S.W.L. Group Members are desirous of visiting some local shacks, preferably close to the City, so if any of the local lads can help in this regard, please let the Group Secretary know at the next Meeting (General Meeting that is,) The Group Sec. in case you have forgotten is Mike Jenner. (Sorry Mike, forgotten your Call Sign.)

"GUIDE TO AMATEUR RADIO"

This handy little book is now available on application to the Divisional Secretary. For local Members at the next General Meeting.

LOG BOOKS.

I have received requests for Log Books from some Members. At the present moment we are out of stock but more have been ordered. When they arrive your order will be fulfilled.

CALL BOOKS.

Owing to financial stress, only sufficient Call Books will be printed this year to fulfill firm orders. Zone Secretaries will receive their requirements direct, local Members will obtain their copies from the Secretary.

SUNDAY BROADCASTS.

INTERFERENCE ON THE OFFICIAL BROADCAST FREQUENCIES STILL PERSISTS. YOU are requested to tune up OFF THE FREQUENCY, ANY frequency on which there is a WI Broadcast, for the benefit of Amateurs in other States. It will also help to occupy less space if you net EXACTLY to VK7WI when you wish to call, AFTER doing the tuning-up elsewhere. This will be off great

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

which are satisfied by the functions $u_i(x, y, z)$ and $v_i(x, y, z)$ in the domain D of the space E_3 . It is shown that the system of equations is solvable in the domain D if and only if the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ satisfy certain conditions.

2. In the second part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

3. In the third part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

4. In the fourth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

5. In the fifth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

6. In the sixth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

7. In the seventh part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

8. In the eighth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

9. In the ninth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

10. In the tenth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

11. In the eleventh part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

12. In the twelfth part of the paper the problem of the existence of solutions of the system of equations is solved for the case when the functions $f_i(x, y, z)$ and $g_i(x, y, z)$ are continuous and have continuous first derivatives in the domain D .

benefit to all Members who wish to listen to the various stations and who are possibly trying to do something else at the same time and are not able to be constantly tuning the receiver back and forth trying to catch up with stations spread over 5 to 10 Kcs. Manufacturers of dial mechanisms will not agree with this. ALSO don't forget, it is a P.M.G. REQUIREMENT that you listen on the frequency BEFORE transmitting, AT ANY TIME.

SUBS. & DONATIONS RECEIVED FROM 21/4/61 to 18/5/61.

DONATIONS RECEIVED FROM 21/1/61 TO 23/7/61
 VK7's MH? LJ? RL. JP. PF. DJ. SW. ED. JD. TT. SM. WA. XL. SJ. DK. CK.
 ZAC. ZL3BO.

ZAC. ZL3BO.
Messrs. R. Rodgers, R. Shorthouse, R. Belbin, K. Morgan, G. Cannock
W. Nickols, H. Young, A.J. Baptis t, N. Cherry.

IF YOU HAVE NOT PAID YOUR SUB. AS YET, BEST SHAKE IT UP OR THIS IS LIKELY TO BE THE LAST BULLETIN YOU RECEIVE UNRIL YOU DO.

JAMBOREE-ON-THE-AIR.

-I have received the following letter.

Dear Sir.

The Boy Scouts Association, Tasmanian Branch, are again seeking the co-operation of your Institute in connection with this year's Janboree-of-the-Air to be held October 21st. and 22nd.

The assistance of Amateur Radio Operators the world over has been invaluable, and the help given by members of your Branch is both recognised and appreciated.

We anticipate greater numbers wishing to take part this year but would first like to obtain from you a list of Amateurs in various parts of the State who would be willing and able to work their gear in the project, either at special camps set up for the purpose or at the location of the individual transmitters.

We want to co-ordinate the Scout sections in each particular area and so get the maximum results from the operation.

Assuring you of our desire to work with your Institute to the best possible advantage, and wishing the Wireless Institute of Australia every possible success.

Yours faithfully,

(Signed) D.G.Finlayson/

AUSTRALIAN BOY SCOUTS ASSOCIATION.

Tasmanian Branch.

Having read the above letter, will Members interested please let me know as soon as possible whether they will be able to help in this very interesting matter?.

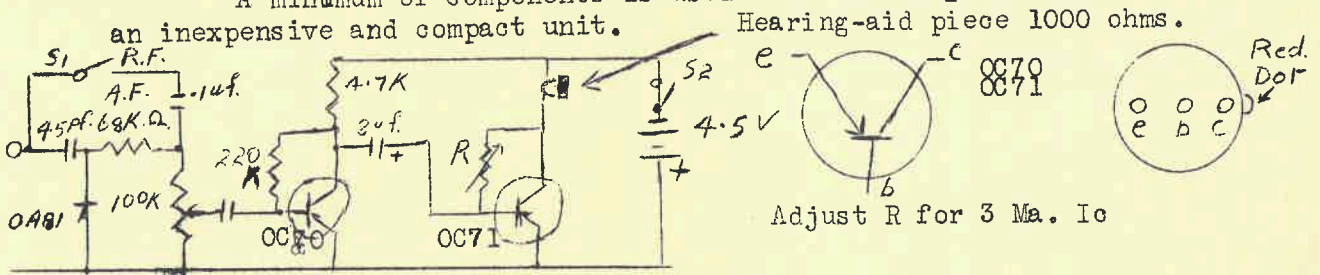
TECHNICAL.

SIGNAL TRACER. Acknowledgment to MULLARD OUTLOOK. AUS. EDTN.

The signal tracer described here is essentially a two-transistor amplifier. It may be found useful as an aid to fault location in radio receivers, television sets, R.F. and A.F. amplifiers.

An R.F. signal, for instance, may be followed from the aerial to the detector and by closing S1, right through to the output stage of a receiver.

A minimum of components is used thus enabling the construction of an inexpensive and compact unit. Hearing-aid piece 1000 ohms.



BADGES.

These are now available at 5/- ea. plus postage. Associate badges are normal size, Full Members are miniature type. Apply Sec.

All for this Month, to the hypercritical my apologies for the typing and circuit errors and deficiencies.

K. E. Millin.

Hon. Secretary.

First paragraph of handwritten text, starting with a capital letter.

Second paragraph of handwritten text, continuing the narrative.

Third paragraph of handwritten text, with some lines appearing to be crossed out or corrected.

Fourth paragraph of handwritten text, showing more detail of the writing.

Fifth paragraph of handwritten text, with some ink bleed-through visible from the reverse side.

Sixth paragraph of handwritten text, continuing the flow of the document.

Seventh paragraph of handwritten text, showing a change in the style or content of the writing.

Eighth paragraph of handwritten text, with some lines appearing to be crossed out or corrected.

Ninth paragraph of handwritten text, concluding the visible portion of the document.