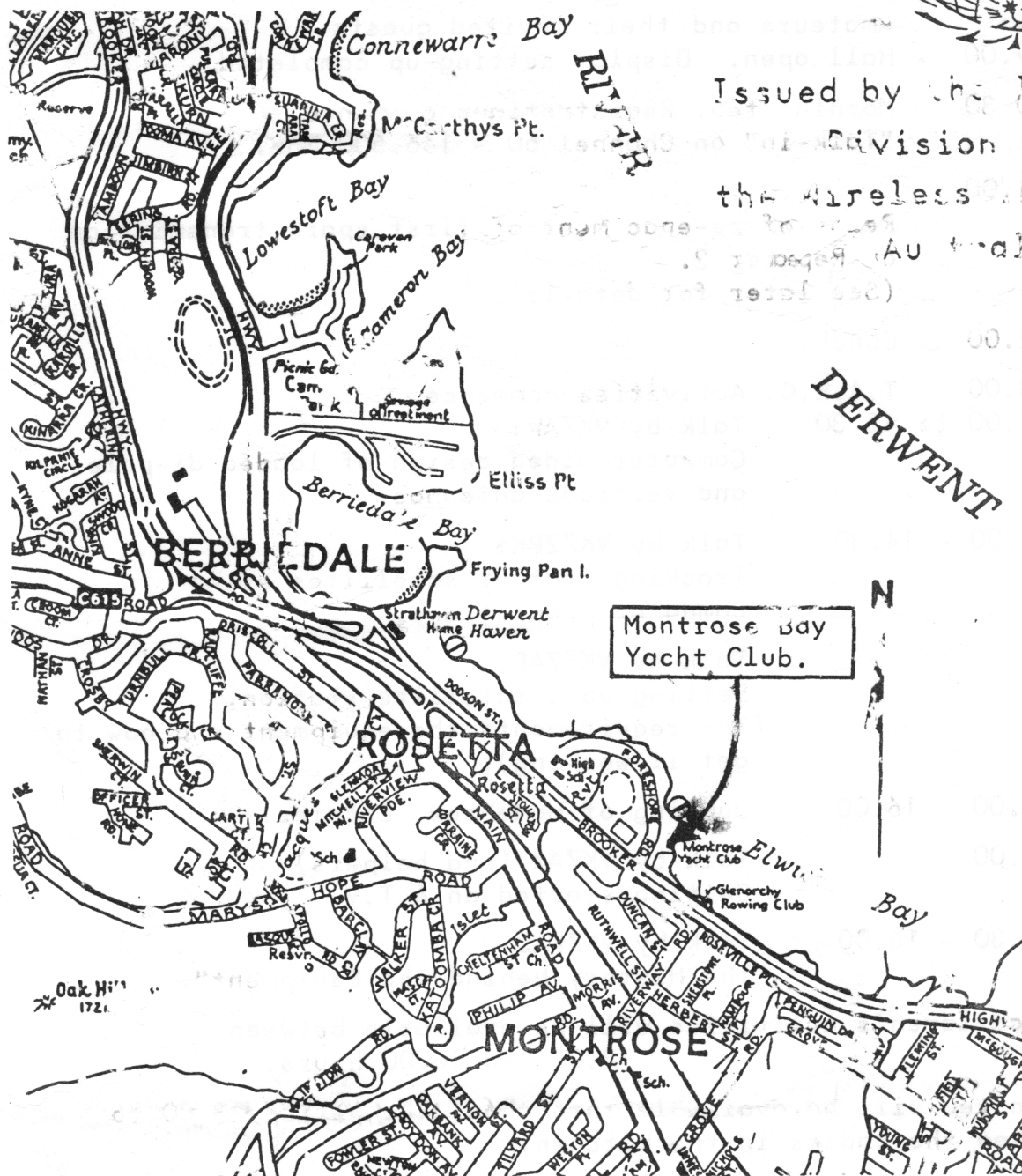


QRM

Convention Special June 1985



Issued by the Tasmanian
Division of
the Wireless Institute
of Australia

(Talk-in on Channel 5C - 2m - VK7DY)

--- WELCOME ---

To all amateurs, their families and friends attending, in this special 75th Anniversary year, their annual gathering, the TASMANIAN Amateur Radio Convention - on behalf of your hosts, I extend fraternal greetings and the very best of good wishes.

See you at the T.A.R.C.

Russ Pitman, VK7ZRP

President, Southern Branch.

LIST OF EVENTS ON THE PROGRAMME.

Friday:

- 09.00 Hall open for commercial displays to set up - power distribution to be provided. Tents and antennas set up.
17.00 Security organised for all displays.

Saturday:

- Amateurs and their invited guests.
09.00 Hall open. Display setting-up completed.
10.30 Morning tea. Registrations commence.
"Talk-in" on Channel 50 - 146.500 MHz.
11.00 Re-enactment of first spark transmission on Repeater 2.
(See later for details).
12.00 Lunch.
13.00 T.A.R.C. Activities commence.
13.00 to 13.30 Talk by VK7AW:
Computer-aided design of loaded di-pole and vertical antennas.
14.00 - 14.30 Talk by VK7ZPK:
Tracking amateur satellites using computer predictions.
Talk by VK7ZAR:
Setting up a satellite station.
(The requirements, the equipment and how to get it working).
15.00 - 16.00 Judging of Homebrew Entries.
15.00 Talk by VK7AX (and helpers)
Getting started on A.T.V.
15.30 - 16.00 Talk by VK7KAD:
"The History behind the Equipment".

Various children's activities will be available between
13.00 and 16.00 hours.

Afternoon tea will be available throughout the period 13.00 to 16.30 - see the ladies in the kitchen.

D.o.C. will be present with equipment to check your gear.

Displays provided by the following:

Packet Radio - VK7ZRP.
International Youth Year - VK7ZBG.
The Weather Bureau.
A.L.A.R.A. - VK7HD.
Old Time Radio co-ordinated by VK7KAD.
QSL Display co-ordinated by VK7DQ.
Live ATV - VK7AX and helpers.
Computing - VK7ZTA.
Working DX Station - VK7VV & helpers.

Displays continued:

Education for Amateurs - VK7BB representing TAFE.
C.R.E.S.T. (Sunday only) Mike Holbrook TAC222.
Commercial Displays co-ordinated by VK7ZAR.
Home Brew and Construction co-ordinated
by VK7ZAR.

Equipment Store - VK7ZJH.
& Magpubs.

Please note that those attending the Cocktail Party and the T.A.R.C.
Social Dinner may wish to dress for these functions at this point.

- 17.00 Activities close to allow preparations for
drinks.
- 17.30 Drinks. Dress - neat, casual.
M.C. - VK7LJ Lou.
1. Welcome to T.A.R.C. by Russ Pitman VK7ZRP.
 2. Toast to W.I.A. 75th Anniversary
by Peter King, VK7ZPK, Divisional President.
 3. Presentation of Awards:
Best Home Brew Exhibition 1985.
Max Loveless Award for Craftmanship 1985.
Best Amateur-designed Computer Software
Package 1985.
- 18.30 Drinks conclude.
- 19.00 Hall vacated. Security provided.
- 19.30 T.A.R.C. Social Dinner at Masonic Club.
-

LIST OF COMMERCIAL DISPLAYS.

G E O R G E H A R V E Y E L E C T R I C A L

Test Equipment for the Amateur Radio Field.
(Thanks to Mr. P. Taylor)

C O M P U T E R L A N D

The Mackintosh Computer.
(Thanks to Mr. D. Risley)

E L E C T R O N I C I N S T A L L A T I O N
& I C O M (A U S T) P T Y L T D.

Amateur Radio Equipment.
(Thanks to Mr. A. Ruthven)

Sunday:

09.00 Hall open. Preparations for VK7WI Broadcast.

09.30 75th Anniversary Broadcast on
80 metres 3570KHz.
40 metres 7130KHz.
2 metres 144.1MHz SSB.
146.7MHz FM.
A.T.V. 426.250 MHz.

10.00 Callback commences.

10.30 Morning tea. Public admitted. Activities commence.

NOTE: Activities as set out for Saturday will continue throughout the Public Session and will include demonstrations and constructional work.

12.00 Lunch.

13.00 C.R.E.S.T. - Rural Fires - St. John's.
(A life-saving incident)

14.00 EQUIPMENT SALE.
Children's activities commence.

15.00 Afternoon tea.

16.00 Drawing of Raffle.
Convention close. Talk out on Repeater 2.

W.I.A. SEVENTY FIFTH ANNIVERSARY

T.A.R.C. CONVENTION



Cocktail Party

*The President and Committee
of the Southern Branch, W.I.A.
invite you to join us for cocktails
at the Montrose Bay Yacht Club
5.30 to 6.30 p.m. on Saturday, 8th June*

R.S.V.P. to Alan, VK7ZAR QTHR (002) 728393

Ice creams and cordials for the children

(BRING THIS WITH YOU!)

In case you didn't receive a ticket for our Cocktail Party, here's a special print-out for you.

NOTE: All persons participating in the Convention are reminded that we are on public display and are asked to be particularly conscious of electrical safety throughout the period of the Convention. Mr. P. Lovett has been authorised to assist and provide power distribution where necessary. Please help him to help you.

ACKNOWLEDGMENTS:

Prizes: George Harvey Electric. (Phil Taylor)

The sponsors of the Max Loveless Collection.

Electronic Installations & Icom (AUS) Pty. Ltd.

ASSISTANCE during the CONVENTION:

Australian Ladies' Amateur Radio Association.

The Sydney Amateur Radio Digital Communication Group.

Montrose Bay Sailing Club Ladies' Auxiliary.

Mike Wilson for photography.

Judges: Mr. E. Baines. Mr. A. Boon.
Mr. D. Risley. Mr. A. Ruthven.

Mr. Len Edwards of Moonraker Industries, VK7LE,
for the ship, "Marie Frances".

Officers and Staff of the Dept. of Communications.

Mr. Jim Davis VK7OW for the Spark Transmitter.

Australian National Amateur Teletype Society.

Department of Communications Test Equipment.

You will be interested to know that the D.o.C. have very kindly agreed to attend the Convention with their high quality test equipment. So, here's your chance to find out just how good your gear really is. Bring it along and get an accurate report on its performance. This is a unique opportunity to satisfy yourself on the quality of your transmissions.

DON'T MISS IT!

SO YOU WANT TO CONTACT THE EDITOR?

His name is John Rogers. His callsign is VK7JK. His telephone number is 002.293402. His address is:

1, Darville Court,
Blackman's Bay,
Hobart, 7152.

And when you lose your copy of QRM, remember he's QTHR. When he is at home, the 2m rig is normally running and listening to Repeater 2.

T.A.R.C. RAFFLE TICKETS.

!!!! I M P O R T A N T !!!!

NORTH AND NORTH WEST BRANCHES.

ALL TICKET BOOKS FOR THE T.A.R.C. RAFFLE MUST BE RETURNED TO
THE LOCAL POINT OF ISSUE (YOUR LOCAL BRANCH SECRETARY) BY

MAY 31st

MAY 31st.

MAY 31st.

SOUTHERN BRANCH.

ALL RAFFLE TICKET BOOKS MUST BE BROUGHT BACK TO THE BRANCH
MEETING ON JUNE 5th. THIS APPLIES TO BOTH UNSOLD TICKET BOOKS
AND THE "SOLD TICKET" STUBS.

PLEASE NOTE: THE RAFFLE CANNOT BE DRAWN UNLESS ALL TICKET BOOKS,
WHETHER SOLD OR UNSOLD, ARE RETURNED BY THE DUE DATE.

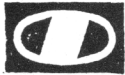
MESSAGE FROM DIVISIONAL PRESIDENT, PETER KING VK7ZPK

The 1985 Tasmanian Amateur Radio Convention provides an opportunity
for us to closely examine our personal and collective ambitions so
far as our hobby of amateur radio is concerned.

As we take the opportunity to look back over the hard won success
story of the 75 years of formal existence of our institute we can
feel justifiable pride in the continued expansion of activities laid
on the foundations of our pioneers. We have maintained forefront
endeavours in state of the art advances in technological changes which
have been so predominant in communications generally. We must all be
prepared to ensure that the foundations of the past continue to be
re-inforced by the challenges of both today and tomorrow in order that
those who follow us into the next 75 years will be able to enjoy the
benefits of our hobby as afforded to us by our forebears.

On behalf of the Tasmanian Division of the Wireless Institute of
Australia I welcome you all to TARC 85 and confidently trust that you
will find further enhancement and fulfillment of your aims and ambitions
in amateur radio there.

VK7ZPK

**ICOM**PRICE LIST
AMATEUR PRODUCTS

1st October 1984

MODEL	DESCRIPTION	R.R.P.
		\$

UHF PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.Mobile

IC 45A	430MHz/FM/10w syn. 12v/mic.	395.00
IC 47A	430MHz/FM/25w syn. 12v. mic.	499.00
IC 490A	430MHz multi-mode syn. MBL.	689.00

Portable

IC 4E	430MHz syn. HT, Nicad & Charger	339.00
IC04A	430MHz syn. HT, Nicad & Charger	395.00

1.2GHz Mobile

IC 120	1260-1300MHz 1w. Mobile	699.00
--------	-------------------------	--------

6 METERPortable

IC 505	6m multi-mode, portable syn. 1-10w. XCVR. FM unit EX248 Option.	449.00
--------	--	--------

ATTENDANT ACCESSORIESAMPLIFIERS

IC 2KL/PS	10-160m solid state liner 701/720A/730/ 740/745A/751A	1,749.00
IC ML1	10w Mobile Liner for IC2A	95.00
ICML12	10w Solid State Liner for IC 120	450.00

HF ANTENNA TUNERS

(701/720A/730/740/745A/751A)

IC AT100	Auto Antenna Tuner 100W	499.00
IC AT500	Auto Antenna Tuner 500W	620.00

SPEAKERS

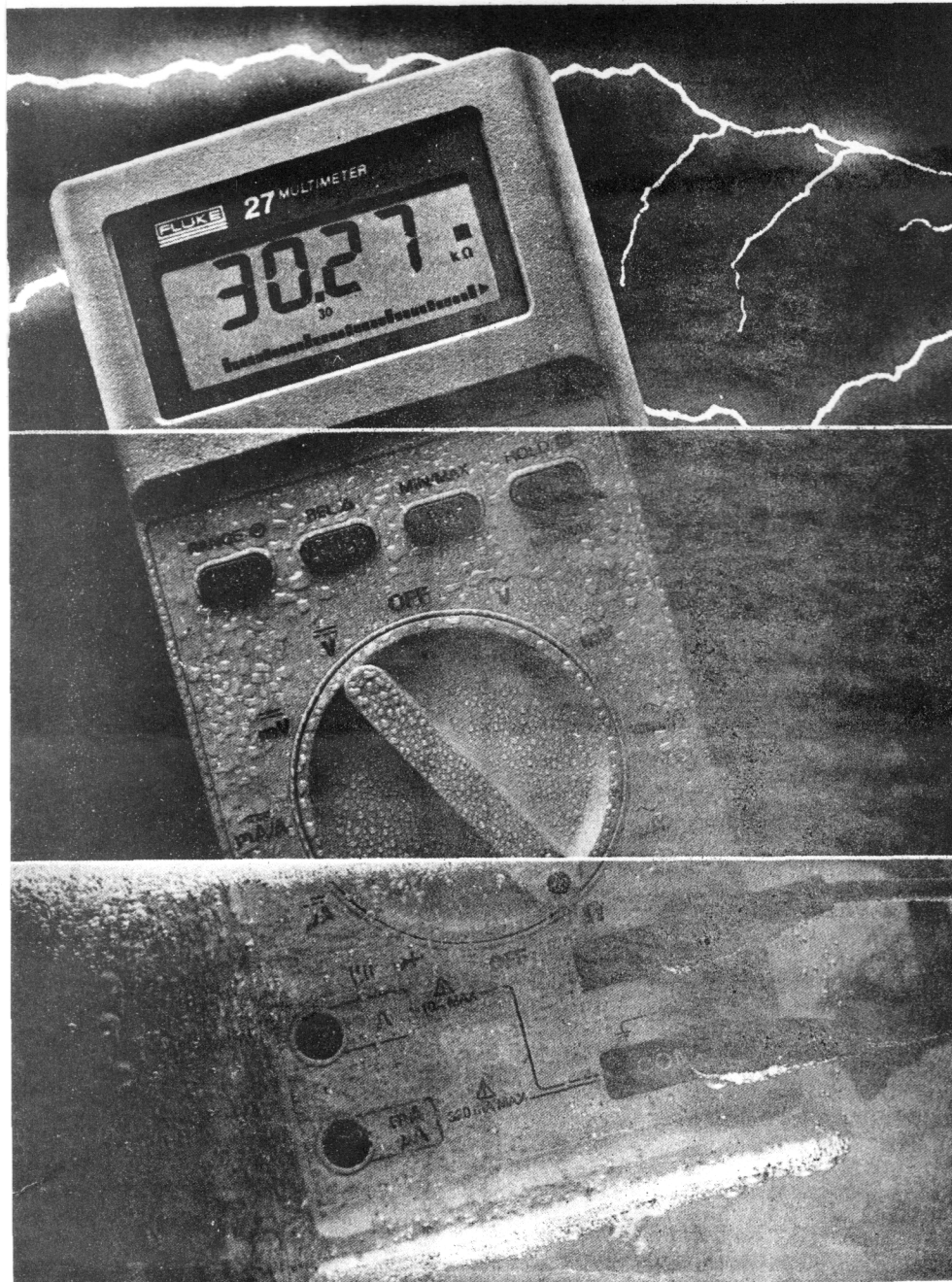
IC SP3	Base Station Speaker	69.00
IC SP4	Remote Speaker for Mobile	29.00
IC SP5	Remote Speaker for Mobile	30.00
IC SP10	Remote Speaker for Mobile	39.00

POWER SUPPLIES

IC PS15	12v Power Supply 720A/730/740/ 745A/751A	215.00
IC PS20	20A Power Supply 5510 (Discontinued)	279.00

OBTAINABLE
FROM:HOBBY ELECTRONICS
477 Nelson Road, Mount Nelson,
HOBART, Tasmania.Phone:
(002) 23 6751

Tough enough to work anywhere you work.



The Fluke 20 Series. A tough new breed of Analog/Digital Multimeters.

Put them to the test.

The new Fluke 20 Series are the first lab-accurate analog/digital handhelds tough enough to withstand water, contaminants, chemicals, accidental drops, extreme temperatures, and severe electrical overloads.

They're also the first sealed meters to offer fast autoranging, an analog bar graph, a continuity/diode test beeper, and Fluke's unique "Touch Hold"* display.

All in your choice of two models, the Fluke 25, and the Fluke 27, which adds "Relative" (difference) and "Min/Max" recording modes.

Each features 0.1% basic dc accuracy, and a unique combined analog *and* digital display for quick measurement of changing or stable signals.

So now you can get high performance under the harshest of working conditions.

With another first that's tough to beat. They're made by Fluke, first choice of professionals worldwide.

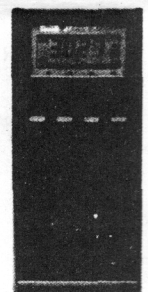
FROM THE WORLD LEADER
IN DIGITAL MULTIMETERS.

FLUKE®



FLUKE 25

Charcoal or yellow case
Analog/digital display
0.1% basic dc accuracy
100 μ V to 1000V ac and dc
0.1 μ A to 10A, all fused
-15°C to 55°C operation
Two year warranty



FLUKE 27

Charcoal or yellow case
Analog/digital display
0.1% basic dc accuracy
100 μ V to 1000V ac and dc
0.1 μ A to 10A, all fused
-15°C to 55°C operation
Two year warranty
Relative (difference) mode
MIN/MAX recording mode

*Patent pending.

AVAILABLE FROM	GEORGE HARVEY ELECTRIC PTY. LTD.
76, York St.,	162-4, Argyle St.
Launceston, 7250	Hobart, 7000.
003.316533	002.342233

(EXHIBITOR AT THE 1985 T.A.R.C. AMATEUR RADIO CONVENTION)

T•A•R•C. DINNER

MASONIC CLUB

HOBART

8 JUNE 1985

1915K for 1930K

IMPORTANT MESSAGE

This dinner is not the official T.A.R.C. function.

The official function will be the Cocktail Hour at the Montrose QTH. This dinner is arranged to satisfy those few people who responded to the questionnaire advising that they wished for some social activity to be organised. In fact, the response now indicates that it is going to be very well attended, but, even so it is not our "official" function, (so there will not be officials, official guests, speeches etc., just a good time to be had by all!!).

Now please read on

A cabaret style dinner will be held as above. Indications are that more than 70 will be in attendance.

The Club is a pleasant friendly place, the food is O.K., the music enjoyable, but not close or loud. Easy conversation around the festive board will be possible. The dance floor is in a nearby room, readily accessible, not cramped and the music should suit most of the guests, I feel sure.

The main meal menu is a choice from four dishes, as is the case for dessert. Cost is \$9.50 which is covered by ticket purchase. Drinks are obtainable at the convenient bar at reasonable prices.

For catering purposes the Club needs to know fairly precisely the numbers desirous of dining and your co-operation is necessary for this information to be given to them.

ACTION

Please complete the attached form and return as directed, to arrive not later than Monday, 3 June. Some later additions or cancellations can be accommodated so long as you do your part now. Please don't delay - tear the sheet out for action NOW.

DRESS

Normal neat casual - let's say coat and tie (plus daks) for gents and ladies seem to know what is O.K. - but I don't think long frocks are needed. In fact, if you "dress" prior to the "Cocktail Hour" and attend that function you will be ready for a steady drive to the Club, to arrive say 1915K (that's 7.15 p.m. you know) for "something" before we sit down at 1930K (fairly promptly please).

Remember parking may take a little while to find in the precincts of the Club, (maybe we should organise a maxi taxi/mini bus from Montrose to Club and return - let's know if you think so).

ACTIVITY

Good food, good fellowship, good music and dance. Chocolate wheel and raffle may be joined if desired, but it is not obtrusive. Hope to have your company that night. Wear your name tag so we will all know who you are.

Lew.

Lew Jarvis VK7LJ
ORGANISER

FROM:

.....
.....
.....

Ph..... Call sign if applicable

TO:

Lew Jarvis,
14 Waverley Avenue,
LENAH VALLEY. 7008
Tasmania

Ph. (002) 283024

RE:

TARC 75TH ANNIVERSARY CONVENTION DINNER
Masonic Club,
181 Macquarie Street, Hobart.
SATURDAY, 8TH JUNE, 1985
1915K for 1930K

ADVICE:

Please reserve in my name places for the TARC Dinner
I expect to collect tickets and pay for them (\$9.50 each)

☐

at Montrose Bay TARC QTH

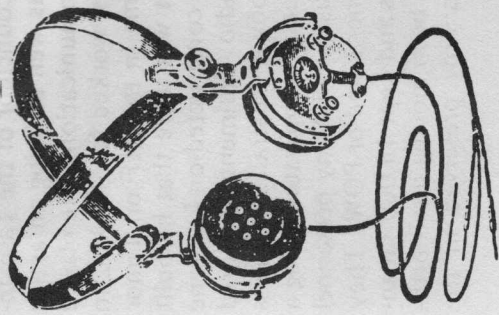
☐

on arrival at Masonic Club

(please indicate your expectations in this regard)

SIGNED:

.....



MAX LOVELESS

PIONEER

MEMORIAL COLLECTION

Dedicated to all those
who have gone before.

MAX LOVELESS PIONEER MEMORIAL COLLECTION

Max Loveless (VK7ML), a former state councillor of the Tasmanian Division WIA, died in April 1971. Max, as well as being an active amateur, spent a lifetime in 'real' wireless communications. He played with the new-fangled gadgetry of the early '30s, worked for the ABC in Hobart prior to World War Two and spent time in the AIF on Timor during the early dark days of that conflict. It was there that he built 'Winnie the War Winner', the radio transmitter constructed on kerosene tins and built up of recovered domestic radio equipment, captured Japanese apparatus and the remains of a low-power Australian wireless set. Until the successful contact with Darwin on this apparatus, using a Morse key made from bamboo, the 200-odd Australian Army personnel who were left on Timor were thought to be either killed or POW. They had lived off the land for a number of months and kept 15,000 Japanese troops occupied who could otherwise have been moving into north-west Australia. 'Winnie the War Winner' is now preserved in the Australian War Museum in Canberra.

Max epitomized the craft of technician. His work with the old PMG's Department earned him the respect of all those who knew him. He had the ability to create equipment items which were both first-class from a functional, practical point of view as well as being faithfully constructed works of art. He set high technical and craftsmanship standards for both himself and those who worked with him.

Max was an active member of the Technicians' Union during his working lifetime. He was a shop steward and vocal spokesman for his fellow man. His unique sense of humour and rare ability to successfully ignore the trappings of bureaucratic authority made him an almost legendary personality.

The Tasmanian Branch of the Telecom Technicians' Union (ATEA) has decided to honour Max's name and the memory of all those people who have been engaged by vocation or pastime, in the pioneer days of communications. The endeavours of these pioneers have brought us to the current state of the art which we now all enjoy.

It is intended that a collection of valve-era equipment will be gradually assembled, restored to working order and made available for public display. Hopefully, the whole collection will be able to be

eventually placed in a permanent formal museum environment, maybe through the co-operative efforts of established authorities in the area. It is not intended that this collection should compete in any way with existing endeavours by other public or private initiatives, rather, we would see our efforts as being complimentary to existing endeavours by both public and private collectors. We think the preservation of actual 'communication' equipment as distinct from telephone/exchange/telegraphy and domestic wireless has been largely neglected. We aim to assist in filling that gap.

Obviously, if the collection is to successfully get underway, apparatus is required. In particular, the following items are eagerly sought:

- old ex-service gear, in particular we would like to get hold of an R101 or an R109 set (these were actually in use on Timor and would be fundamental to the collection), no. 22, no. 19, HRO, AR8, AT5, AR88, B28, B40 and similar apparatus.

Some limited funds are available for the purchase of such equipment.

- Home brew apparatus of all types which may have been discarded in intervening years.

MOST IMPORTANT PLEASE — Before you toss out your old junk, valves, components, books, magazines, etc. give the Max Loveless Pioneer Memorial people an opportunity to cart it off for you. Your assistance will help ensure that at least part of our communications heritage is preserved for posterity.

Should you feel able to assist us in this most worthwhile venture please contact me by telephon in Hobart 002 286351 or perhaps write to GPO Box 215c Hobart.

BARRY RISELEY,
Branch Secretary,
A.T.E.A.

NOTES FROM THE TASMANIAN DIVISION WIA

This copy of QRM, the newsletter of the Tasmanian Division of the WIA, is being mailed to all licensed amateurs in Tasmania.

It is a special edition which outlines arrangements for the 75th Anniversary Tasmanian Amateur Radio Convention.

Unfortunately, costs prohibit us from regularly mailing copies of QRM to your home address and normally QRM is available at WIA meetings.

We feel that, given the importance of the 1985 TARC, the expenses incurred in postage on this occasion are well justified.

The TARC and associated functions are open to all amateurs, irrespective of whether they are members of the WIA or not.

Every so often, however, at the risk of belabouring the point, amateurs are asked "Are you a member of the Wireless Institute of Australia?". Because you are not does not make it mandatory that you should be, for it is not the Institute's policy to twist people's arms in the sense "You be a member or else".

Nevertheless, to the clear thinking amateur, his hobby is available to him because his is represented officially by an organisation pledged to speak for him and generally look after his interests. Without representation he would be battling uphill to protect the frequency allocations used by the Amateur Service all over the world.

When membership grows in an organisation like ours, then better facilities can be made available. The WIA already provides a technical publication, up-to-date annual call sign book, provides for QSL card distribution to members, arranges lectures, picture nights, social nights, field days, contests, AOC classes, slow morse transmissions, it maintains liaison with the licensing authority to bring about better conditions for the amateur as the art dictates changes, liaison on a worldwide basis is carried on with amateur societies through the International Amateur Radio Union, branches and zones are organised for the amateur who lives in the country, affiliated clubs are also fostered and encouraged to become part of the WIA organisation, a library of technical publications is available for the use of members.

All these things are available to members only because the WIA is an organisation with a purpose - to look after the interests of the amateur service in Australia and encourage young people to take up radio as a hobby in the national interest.

This purpose can only be expanded and maintained by membership without which no organisation can exist. If the WIA did not exist you might not have an amateur licence today. Give us your support as an amateur, a short wave listener or an interested party. You will find the membership information freely available upon application to the secretary of the WIA branch in your area.

Could we suggest you use the membership form attached and join now??

BARRY RISELEY,
Divisional Secretary.

Wireless Institute



of Australia

MEMBERSHIP APPLICATION FORM

I hereby apply for admission to membership of the Wireless Institute of Australia, Tasmanian Division, and if elected agree to abide by the Memorandum and Articles of Association, Regulations and By-Laws of the Institute and such amendments as may be made from time to time. Furthermore to advance the aims of the Institute.

Signature.....

Dated thisday of.....19.....

Proposed by..... Seconded by.....

N.B. The proposer and seconder must be Licensed Amateurs and members of the Institute.

Surname..... Other Name(s).....

Date and place of birth.....Nationality.....

Postal Address Phone:.....

..... Postcode:.....

Station Address.....

Type of certificate held, A.O.C.P./ A.O.L.C.P./ A.O.L.C.P.

Certificate No.

Call Sign (if applicable).....

Grade requested..Full (Licensed Amateur) / Associate (Listener)

Subscription enclosed..... (cheque payable to W.I.A.)

N.B. The subscription rate for 19..... is 1/Full or Associate \$.....

2/Pensioner \$..... (include pension No.)

3/Student \$..... (include signed statement from responsible staff member of School or College).

After completing the form, forward to the Branch nearest you or present at Branch meeting. Subscription must be included.

Southern Branch, W.I.A., P.O. Box 123, Sandy Bay, 7005.

Northern Branch, W.I.A., P.O. Box 275, Launceston, 7250.

North-West Branch, W.I.A., P.O. Box 194, Penguin, 7316.

If in doubt, forward to Tas. Division W.I.A., Box 1010, Launceston.

Branch Meeting Decision..... Chairman..... Date.....

Divisional M/ship Officer - New member entered on E.D.P. and Certificate of Membership posted to applicant.

Standard Membership form forwarded to Federal Executive and this form returned to Branch. Date.....

Joining fee enclosed, Yes / No