



Jfftl

Volume 69

# M amate radio

The Journal of the Wireless  
Institute of Australia  
ISSN 0002-6859

## Editorial

Editor: Colwyn Low VK5UE  
edarmag@chariot.net.au

Technical Editor: Peter Gibson VK3AZL

### Publications Committee Members

Ron Fisher VK30M  
Don Jackson VK3DBB  
Evan Jarman VK3ANI  
Bill Rice VK3ABP  
Gil Sones VK3AUI  
Bill Roper VK3BR

## Advertising

Mrs June Fox,  
Tel: (03) 9528 5962

### Hamads

"Hamads" Newsletters Unlimited  
PO Box 431, Monbulk Vic 3793  
Fax: 03 9756 7031  
e-mail: newsletters@ozemail.com.au

## Office

10/229 Balaclava Road  
Caulfield, Victoria  
Telephone (03) 9528 5962  
Facsimile (03) 9523 8191

Business Hours 9:30am to 3:00pm weekdays

## Postal

P.O. Box 2175  
CAULFIELD JUNCTION  
VICTORIA 3161  
AUSTRALIA  
e-mail: armag@ hotkey.net.au

## Production

Newsletters Unlimited 03 9756 7797

### Printer

Streamline Press, Melbourne (03) 9417 2766

### Postal Service

IMS (03) 9291 5888

## Production Deadlines

Advertising booking and articles for  
publication 10<sup>th</sup> of preceding month.

Hamads and advertising material deadline  
18<sup>th</sup> day of preceding month

The contents of Amateur Radio are Copyright  
Wireless Institute of Australia  
©2001

### Our cover this month

It always helps to explain some of the  
technology during a JOTA activity.

Gavin VK4ZZ explains the transceiver  
to Scouts.

## General

Senior Operator, Alf VK2UC.....	8
V15RAS Special Event Station.....	9
<i>Godfrey Williams VK5BGW</i>	
Transforming the New Car.....	10
<i>Richard Cortis VK2XRC</i>	
World Trade Center. Personal letter to President of ARRL.....	15
Ramblings of a Crystal Set Constructor.....	16
<i>John Hodkinson VK2BHO</i>	
Gippstech in pix.....	27
<i>Photographs by Ron Fisher VK30M</i>	
Whale Island Expedition.....	55
<i>Frank May ZL1FMA</i>	
Hams, exams and tim tarns (Over To You).....	56
<i>Ian Jackson VK3BUF</i>	

## Technical

A Receiving Converter for 432 MHz/70cm.....	4
<i>Drew Diamond VK3XU</i>	
Power Plug Paddle (Technical Abstract).....	25
<i>Gil Sones VK3AUI</i>	
Recycling a Mobile Phone Hands-Free Microphone/Earpiece.....	14
<i>Steve Mahony VK5AIM</i>	
The DC-2000: An experimental HF direct conversion receiver.....	17
<i>Peter Parker VK3YE</i>	
Active Door Loop Receive Antenna (Technical Abstract).....	25
<i>Gil Sones VK3AUI</i>	
Cloud Warmer NVIS Antenna (Technical Abstract).....	26
<i>Gil Sones VK3AUI</i>	
Modification of D4825 6m half wave vertical for 50.110 MHz.....	35
<i>Peter Blundstone VK7KPB</i>	

## Columns

Advertisers' Index.....	55	Hamads.....	54
ALARA.....	37	Ham Shack Computers.....	43
AMSAT.....	33	HF Predictions.....	52
ARDF.....	24	How's DX?.....	45
Beyond Our Shores.....	39	Over To You.....	56
Contests.....	41	Pounding Brass.....	38
Club News.....	40	Repeater Link.....	48
WIA Division News		Spotlight on SWLing.....	36
VK1 Notes.....	31	Technical Abstracts.....	13, 25, 26
VK4 Notes.....	31	VHF/UHF - An Expanding World.....	49
VK7 Notes.....	32	WIA Comment.....	3
Editor's Comment.....	2	WIA Division Directory.....	30
Education Notes.....	51	WIA Federal Directory.....	2

### Contributions to Amateur Radio

Amateur Radio is a forum for WIA members' amateur radio experiments, experiences opinions and news. Manuscripts with drawings and or photos are always welcome and will be considered for publication. Articles on disc or email are especially welcome. The WIA cannot be responsible for loss or damage to any material. A pamphlet, How to write for Amateur Radio is available from the Federal Office on receipt of a stamped self-addressed envelope.

### Back Issues

Back issues are available directly from the WIA Federal Office (until stocks are exhausted), at \$4.00 each (including postage within Australia) to members.

### Photostat copies

When back issues are no longer available, photocopies of articles are available to members at \$2.50 each (plus an additional \$2 for each additional issue in which the article appears).

### Disclaimer

The opinions expressed in this publication do not necessarily reflect the official view of the WIA and the WIA cannot be held responsible for incorrect information published.