

CONTENTS

Technical

Modulation Systems & Modes of Transmission	7
<i>Lloyd Butler VK5BR</i>	
Propagation of Long Radio Waves (2)	13
<i>John Adcock VK3ACA</i>	
Feedline Losses and VSWR	15
<i>Graeme McDiarmid VK3NE</i>	
Getting Started with Amateur Radio Satellites (6)	16
<i>Bill Magnusson VK3JT</i>	
Further Experiments with Horizontal Loops	18
<i>Joe Ellis VK4AGL</i>	
Random Radiators	19
<i>Ron Cook VK3AFW & Ron Fisher VK3OM</i>	
Technicallities	21
<i>Roger Harrison VK2ZTB</i>	
Technical Correspondence	23

General

The Balloon Goes Up	25
<i>Geoff Atkinson VK3YFA</i>	
Youyi Wansui – Long Live Friendship	26
<i>Wally Watkins VK4DO</i>	
Churchill Island and Amateur Radio	28
<i>Des Greenham VK3CO</i>	
VNG News	29
<i>Marion Leiba VK1VNG, VK1BNG</i>	
Book Review - QTC I Have a Message for You	29
<i>Ian Crompton VK5KIC</i>	

Operating

Contests

Calendar, The 15th West Australian Annual 3.5MHz CW & SSB Contest	33
1991 VK-ZL-Oceania DX Contests	34

Columns

Advertisers' Index	56	How's DX	36
AMSAT	42	Intruder Watch	55
Club Corner	50	Knutshell Knowledge	40
Divisional Notes		Morseword No 52	46
VK2 Notes	47	Over To You —	
5/8 Wave,	47	Members' Opinions	50
Editor's Comment	2	Pounding Brass	39
Education Notes	45	QSL Bureaux	56
FTAC Notes	46	QSLs from the WIA Collection	48
EMC	40	Repeater Link	46
Hamads	54	Silent Keys — Obituaries	50
HF Predictions	52	Spotlight on SWLing	45
		VHF/UHF An Expanding World	34
		WIA Directory	2, 3
		WIA News	3