

# HAM RADIO TODAY CONTENTS

VOLUME ONE NO. 12 DECEMBER 1983

**Editor**  
Dave Bradshaw  
**Assistant Editor**  
Steve Ireland, G3ZZD

**Advertisement Manager**  
David Gadsden, G4NXV  
**Classified Sales**  
Julie Bates

**Managing Editor**  
Ron Harris  
**Chief Executive**  
T. J. Connell

**Published by:**  
Argus Specialist Publications Ltd.,  
145 Charing Cross Road,  
London WC2H 0EE.  
**Telephone:** 01-437 1002.

**Distributed by:**  
SM Distribution Ltd.

**Printed by:**  
The Garden City Press Ltd.

**Subscription Rate:**  
UK £12.80  
O/Seas Sur: £13.25  
O/Seas Air £25.80  
Ham Radio Today,  
Sub Dept.,  
513 London Road,  
Thornton Heath,  
Surrey,  
CR4 6AR.

Ham Radio Today is normally published on the first Friday in the month preceding cover date. The contents of this publication including all articles, designs, plans, drawings and programs and all copyright and other intellectual property rights therein belong to Argus Specialist Publications Limited. All rights conferred by the Law of Copyright and other intellectual property rights and by virtue of international copyright conventions are specifically reserved to Argus Specialist Publications Limited and any reproduction requires the prior written consent of the Company. © 1983 Argus Specialist Publications Ltd. All reasonable care is taken in the preparation of the magazine contents, but the publishers cannot be held legally responsible for errors. Where mistakes do occur, a correction will normally be published as soon as possible afterwards. All prices and data contained in advertisements are accepted by us in good faith as correct at time of going to press. Neither the advertisers nor the publishers can be held responsible, however, for any variation affecting price or availability which may occur after the publication has closed for press.

## REGULAR COLUMNS

EDITORIAL .....	4
LETTERS .....	5
RADIO TODAY .....	8
NEWCOMER'S FORUM .....	20
RADIO YESTERDAY .....	30
RADIO TOMORROW .....	58

## CONSTRUCTION

G4DHF TRANSVERTER 2m TO 160, 80 AND 40m. ....	9
<i>Go with the flow LF as winter approaches – with your 2m multimode</i>	
PROJECT OMEGA: THE LOW-PASS FILTERING .....	27
<i>This time it really is Part 5!</i>	
WIRE ANTENNAS ON 2m .....	33
<i>Eminently cheap and definitely practical</i>	
QUADLOOP .....	60
<i>Optimal performance for minimum outlay on 14, 21, and 28 MHz</i>	

## FEATURES

GB2BP ON MAGNUS .....	18
<i>Amateur radio in the North Sea</i>	
SECRETS OF THE SMITH CHART .....	22
<i>Design your own antenna system with Part 2</i>	
THE 'VERY HIGHS' WITH A VK ACCENT .....	25
<i>Jack Hum's antipodean jaunt</i>	
EVALUATING SURPLUS BARGAINS .....	40
<i>Andy Emerson, G8PTH, shows us around the shop</i>	

## REVIEWS

YAESU FT726R VHF/UHF MULTIMODE .....	47
<i>Angus McKenzie, G3OSS, applies his wisdom and well-equipped lab.</i>	
SILVER 70 – 70cm YAGI BEAM .....	37
<i>Trevor Butler, G6LPZ, looks at this interesting variant</i>	
NEXT MONTH IN HAM RADIO TODAY .....	39
ADDENDUM .....	55
Emporium Guide .....	63
Classified .....	65