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VOLUME ONE NO1 JANUARY 1983

## FEATURES

- A PLAIN MAN'S  
GUIDE TO MASTS  
AND TOWERS . . . . . 22**

Ever considered putting a tower up? It's a fairly daunting prospect for most people: expensive, time-consuming and fraught with difficulties such as appeasing neighbours and the local planning office. Or is it? Read our feature series to reduce the risk of disappointment or worse.

- QUESTIONING THE  
RAE . . . . . 48**

The May RAE left many of the candidates with a sense of irritation with the City & Guilds. In spite of the frequent brick-bats hurled at the examining body the C&G goes on regardless without seeming to take any notice of the complaints. One of the candidates, a teacher, takes the exam apart.

- HOME BREWING  
WITH KITS . . . . . 50**

Anything which encourages home building within the amateur fraternity cannot be a bad thing. There is considerable satisfaction to be gained from operating gear which you have built yourself, and the kit method offers a relatively sure-fire way of doing this. Check out the variety available with our kit guide.

- MECHANICS OF  
PROPAGATION . . . . . 53**

An understanding of propagation is fundamental to the enjoyment of this hobby. We offer a relatively straightforward explanation of the often observed but not particularly well understood ether. Pt one: HF bands.

## NINE BANDS IN A SMALL GARDEN . . . . .

**59**

Louis Varney G5RV describes how to put out a signal on the HF bands even though your QTH may have a garden the size of a postage stamp. He also offers a constructional guide to a half size G5RV.

- SERVICING THE  
KW2000 . . . . . 65**

The secondhand market for amateur gear is often ignored because "it takes too much trouble to put that old stuff right". Well, people who say that are wrong as our new servicing series proves.

## REVIEWS

- CWR600  
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DECODER . . . . . 11**

This little box decodes both CW and RTTY pretty effectively yet costs only £189. See what you're buying with our off-screen, off-air pictures.

- TRIO 9130, ICOM  
IC290E, YAESU  
FT-480R . . . . . 78**

We labtest and airtest the newest 2m multimode from Trio against two best selling rivals. We scrutinise the performance of each with, what we believe to be, new standards of objectivity.

## FANCY WORKING WITH US?

Then turn to page 47 for the job opportunity of a lifetime