



Vol. 4, No. 10 On Sale Fab. 2, 1982 Managing Editor: L. J. SHAW VK3NLS Editor: PETER DEUT8CH VK3YVH

Production Manager ANDY BERRY

Artist DON MCNEILL ADVERTISING ROSS BALLANTYNE **VK3XRB** Phone 60 0421 EXT. 2678 NEW SOUTH WALES The Globe-Bridge Company, 64 Victoria St. North Sydney, NSW 2060 Ph (02) 436 2033 SOUTH AUSTRALIA Allan Taylor, 79 McLaren Street, Adelaide 5000 Phone 223 6629 PUBLISHER

AMATEUR RADIO ACTION is published monthly by NEWSPRESS Pty. Ltd., a division of Age Publications, 603-611 Little Lonsdale St., Melbourne, 3000, P.O. Box 628E, Melbourne. 3001. AMATEUR RADIO ACTION is distributed in Victoria by Magdiss Pty. Ltd., 2b0 Spencer Street, Melbourne 3000; in NSW by Allan Rodney Wright (Circulation) Pty. Ltd., 221 Liverpool St., Darlinghurst 2010; in S.A. by B.G. & K.L. Fuller, 10b Main Street, Beverley. 5009; in Tasmania by The Mercury, 93 Macquarie Street, Hobart 7000; in Queensland by Mirror Newspapers Limited, Cnr. Ann and Marshall Streets, Fortitude Valley, Queensland. 4006; in W.A. by the Sunday Times, 34 Stirling Street, Perth 6000

Printed Web offset by Waverley Offset Publishing Group.

The price set out or referred to herein is a recommended price only and there is no obligation to comply with the recommendation. All prices referred to in A.R.A. are recommended prices, unless otherwise stated.

The publisher reserves the rightto omit or alter any advertisement. The advertiser agrees to indemnify the publisher for all damages or liabilities arising out of the pub-lished material.

FEATURES

| NOTHER TYPE OF PATCH Amateur radio is more than building transmitters6 | į |
|---|---|
| MATEUR RADIO IN EDUCATION Start of a semi-regular feature |) |
| STEAM POWERED RADIO Well, almost! | , |
| BUILD A DUAL MODE RTTY MODULATOR Produces both Baudot and Kansas City standard FSK | ð |
| POINT TO POINT DXING One for the SWLs_ 23 | |
| REPEATER TRUNKING A look at developing commercial technology23 | 8 |
| BUILD A SLOW SCAN TV CONVERTER This month, converting to colour | 3 |
| THE BASICS OF THREE TERMINAL REGULATORS Some hints and tips on these useful devices | 3 |

EQUIPMENT REVIEW

| YAESU'S FT-ONE - | |
|---|----|
| The "ONE" you've been waiting for | 30 |
| JRC's NRD-51 5 - | |
| A high performance communications receiver. | 40 |

REGULAR FEATURES

| EDITOR'S LOG | |
|--------------------|--|
| AMATEUR TELEVISION | |
| KENWOOD TIPS | |
| CONTESTS | |
| BOOK REVIEW | |
| SPECTRUM | |
| PREDICTIONS 66 | |
| CLUB DIRECTORY | |
| CLASSIFIEDS | |
| | |

THIS MONTH'S COVER

We review the long eweited FT-ONE, beginning on pege 30. Cover photo courtesy of Dick Smith Electronics.