Video and Audio

- WHAT'S NEW IN VIDEO & AUDIO The latest products...
- CURING VIDEO SHAKE: ANOTHER APPROACH Panasonic's system 8
- 12 THE CHALLIS REPORT: Jamo's new top-range 'Oriel' speaker system

Features

- "HOUSTON, I THINK WE HAVE A SATELLITE" How they did it 18
- 40 WHEN I THINK BACK... Radio navigation beams — in peace and war
- 46 MOFFAT'S MADHOUSE Seriously, it's a taxing matter
- 94 TECHIE'S GUIDE TO BUYING A PC CLONE Don't waste money!

Projects and Technical

- BASICS OF RADIO 17 Inside the PLL FM demodulator 28
- 32 LISTENING POST WESAT STATION - 3 Making a Lindenblad antenna
- 58 **THE SERVICEMAN** An elusive power supply fault, and a disappearing set
- 64 CIRCUIT & DESIGN IDEAS: Tastic timer, fluoro lamp inverter
- THE SEAS-EA 'HOBART' SPEAKER SYSTEM Outstanding quality! 66
- 78 A LOW COST AUDIO SWEEPER - 1 Ideal for checking speakers, etc
- 82 VISIBLE LASER DIODE POINTER An ingenious and elegant design
- SIMPLE VOLTAGE-CURRENT CALIBRATOR Low cost, but very handy 88
- 92 **REVIEW:** Fluke's new 10 Series of low cost digital multimeters
- **AUTOMOTIVE ELECTRONICS** More on engine basics, and fuels 98
- **EXPERIMENTING WITH ELECTRONICS** 'Quick fingers' reaction tester 101
- 112 VINTAGE RADIO My favourite dinosaur: the Majestic 90

Professional Electronics

- 124 **NEWS HIGHLIGHTS** Thai firm buys UNSW's vanadium battery technology 128 AN EXPERIMENTAL THERMAL OSCILLATOR Using current mirrors
- 132 **SOLID STATE UPDATE** DPAK MOSFETs with low 'on' resistance
- 134 **NEW PRODUCTS** Cable TV spectrum analyser, automatic light switch
- 140 SILICON VALLEY NEWSLETTER Hyundai moves to Silicon Valley
- MICRO'S & PERIPHERALS FEATURE: ASP's 'Jetway' printer sharer 142
- MICRO'S & PERIPHERALS FEATURE: 1²C and the ACCESS bus 2 146
- COMPUTER NEWS & NEW PRODUCTS New LCD projection panels 150

Columns and Comments

- 4 A bouquet for Tom, and who wins the prizes? LETTERS TO THE EDITOR
 - 5 **EDITORIAL VIEWPOINT** A close shave, and superb sound on a budget
- FORUM Personal computer user interfaces: DOS diehards vs GUI lovers 48 104
- Who's to blame when mistakes are made? INFORMATION CENTRE 116 SHORTWAVE LISTENING Frustration in frequency allocations
- 122 **AMATEUR RADIO NEWS** The WIA at last accepts the term 'ham'