

Video and Audio

- 6 **WHAT'S NEW IN VIDEO & AUDIO** *The latest products...*
- 8 **MAKING IT BETTER & MAKING IT HERE** *Panasonic's 'The One'*
- 12 **THE CHALLIS REPORT:** *The new Marantz PM-72 integrated amplifier*

Features

- 18 **MOBILESAT REVEALED** *Aussat pioneers in mobile satellite comms*
- 22 **MOFFAT'S MADHOUSE** *Making your computer work for you...*
- 28 **WHEN I THINK BACK...** *Vintage radio design 7: dual waves and NFB*

Projects and Technical

- 44 **THE SERVICEMAN** *This time the service van died, & a TV 'bit' people!*
- 50 **CIRCUIT & DESIGN IDEAS** *10-channel RS-232 device selector*
- 52 **THE POWERHOUSE 1200 INVERTER — 1** *Twice the power!*
- 58 **COMPUTER CONTROL OF RADIO GEAR — 3** *Talking to Yaesu sets*
- 68 **THE ROMLOADER, AN EPROM EMULATOR — 2** *Setting up, using it*
- 72 **SOLAR BATTERY CHARGER** *DC-DC converter improves efficiency*
- 80 **EXPERIMENTING WITH ELECTRONICS** *A light-controlled switch*
- 88 **VINTAGE RADIO** *Something 'different' from the UK: the Ekco PB289*

Professional Electronics

- 100 **NEWS HIGHLIGHTS** *Microwave test set from Marconi, new Jaycar HQ*
- 104 **MICROKEY AUDIOCARD** *Adds digital audio to your PC's graphics!*
- 108 **SILICON VALLEY NEWSLETTER** *Cheap software fools AI judges...*
- 110 **NEW PRODUCTS** *New 'Jaybox' project case, CRT readout scopes*
- 114 **CAD SOFTWARE FEATURE:** *Passive & active filter design at low cost*
- 116 **CAD SOFTWARE FEATURE:** *'Easy PC' for both PCBs and schematics*
- 120 **CAD SOFTWARE FEATURE:** *Windows version of Protel's PCB package*
- 124 **SOLID STATE UPDATE:** *UHF linear amplifiers, parallel DSP chip*
- 126 **COMPUTER NEWS & NEW PRODUCTS** *PC-based logic simulator*

Columns and Comments

- 4 **LETTERS TO THE EDITOR** *SSB receiver, praise for balun project*
- 5 **EDITORIAL VIEWPOINT** *More on science & technology education*
- 34 **FORUM** *Project safety, and a young reader asks about the volt*
- 86 **SHORTWAVE LISTENING** *Publications to help the new listener*
- 92 **INFORMATION CENTRE** *What?? Were we all conned?*
- 98 **AMATEUR RADIO NEWS** *Satellite demos planned for Gosford Field Day*