

FEATURES

- 6 An Ultrasonic Detector That Does Not False Alarm**
New IC uses artificial intelligence & fuzzy logic
- 86 The Story Of Electrical Energy, Pt.15 by Bryan Maher**
Heavy electric vehicles in the mining industry

PROJECTS TO BUILD

- 8 Battery Charger For Solar Panels by Steve Calder**
Get the most out of your solar cells with this simple circuit
- 16 Build A Colour TV Pattern Generator, Pt.1 by John Clarke**
Generates seven separate patterns, has RF & video outputs
- 24 Flashing Alarm Light For Cars by Syd McKittrick**
Fool car thieves with this simple, low-cost device
- 32 Digital Altimeter For Gliders & Ultralights, Pt.3 by John Clarke**
Final article has the construction & calibration details
- 60 Build A Talking Voltmeter For Your PC, Pt.2 by Darren Yates**
It talks & gives an on-screen readout
- 72 Error Analyser For CD Players, Pt.3 by Stephen McBride**
Building it & connecting it to your CD player

SPECIAL COLUMNS

- 40 Serviceman's Log by the TV Serviceman**
A very circuitous exercise
- 53 Amateur Radio by Garry Cratt**
Build a turnstile antenna for weather satellite reception
- 66 Computer Bits by Jennifer Bonnitche**
Modifying the Windows INI files
- 78 Vintage Radio by John Hill**
A simple junkbox 2-valve receiver

DEPARTMENTS

- | | |
|-----------------------------|-----------------------------|
| 4 Publisher's Letter | 84 Product Showcase |
| 5 Mailbag | 90 Back Issues |
| 15 Subscription Page | 92 Ask Silicon Chip |
| 56 Circuit Notebook | 94 Market Centre |
| 70 Computer Update | 96 Advertising Index |