

# FEATURES

## 8 Broadband Over Power Lines: A Flawed Technology

*Broadband Over Power Lines could be coming to a pole near you. It's currently on trial in Tasmania and not everyone's happy – by Ross Tester*

## 12 Car Sound On The Cheap; Pt.1

*You can put together a good in-car sound system for just \$200-300. Here's how to go about it – by Julian Edgar*

## 18 Microbric: Robotics For Everyone!

*Microbric is about to hit the Australian market with major press campaigns. Here's a sneak preview – by Ross Tester*

## 90 PICAXE In Schools; Pt.5

*Final instalment shows you how to add IR remote control and voice recording to your PICAXE – by Clive Seager*

# PROJECTS TO BUILD

## 26 Studio Series Stereo Headphone Amplifier

*Looking for a top-class headphone amplifier? This superb unit is easy to build and can drive both high and low-impedance 'phones to full power with very low noise and distortion – by Peter Smith*

## 36 Build A MIDI Drum Kit

*This do-it-yourself MIDI drum kit can produce just about any musical sound you can think of, either via a computer or a synthesiser – by John Clarke*

## 70 Serial I/O Controller & Analog Sampler

*It connects to your PC's serial port and can switch relays according to voltage, resistance, temperature and digital inputs. It also includes system timers and can be operated as a PLC-style controller – by Trent Jackson*

## 80 Delta XL02 Tower Loudspeaker System

*A high-power 2-way system that you build from a kit – by Leo Simpson*

# SPECIAL COLUMNS

## 65 Serviceman's Log

*The fountain of all knowledge – by the TV Serviceman*

## 86 Circuit Notebook

*(1) 1W LED Driver Circuit; (2) Simple Cable RJ-45 Cable Tester; (3) Improved LED Torch; (4) Load Sharing Multiple Supplies; (5) Paraphase Tone Control*

## 96 Salvage It!

*Scrounging and (gulp) buying the bits – by Julian Edgar*

## 102 Vintage Radio

*Vintage radio clubs: 15 years old and going strong – by Rodney Champness*