

# **FEATURES**

## **8 Getting Into WiFi, Pt.3**

*Infrastructure, access points (APs), power over ethernet (PoE) and much more – by Ross Tester*

## **13 CeBIT Sydney 2005**

*Everything you've ever wanted in the world of computers and IT in one place. Here's a brief look – by Ross Tester*

## **14 Unleashing Unwired**

*It is possible to connect an external antenna to an Unwired modem for extra speed and range. We show you how – by Ross Tester*

## **68 PICAXE In Schools, Pt.3**

*Sensing temperature and playing mobile phone ring tones – by Clive Seager*

## **80 Review: Altronics 250W Aussie-Made PA Amplifier**

*Need a high-power PA amplifier with lots of features? You'd go a long way to better this one – by Ross Tester*

# **PROJECTS TO BUILD**

## **24 Remote-Controlled Automatic Table Lamp Dimmer**

*It automatically dims up or down between two preset levels or you can manually control the lamp brightness, all via remote control – by John Clarke*

## **38 Lead-Acid Battery Zapper**

*Rejuvenate old batteries by zapping them with high-voltage pulses to dissolve the lead sulphate crystals on the plates – by Jim Rowe*

## **60 Serial Stepper Motor Controller**

*It's easy to build, easy to program and controls up to four motors. Or cascade four units together to control up to 16 motors – by Greg Radion*

## **84 AVR200 Single Board Computer, Pt.2**

*Second article has the assembly details and describes popular software development and programming options – by Ed Schoell*

# **SPECIAL COLUMNS**

## **35 Salvage It!**

*Salvaging & using common thermostats – by Julian Edgar*

## **44 Serviceman's Log**

*Computer servicing can be a hard slog – by the TV Serviceman*

## **72 Circuit Notebook**

*(1) Simple IR Remote Control Extender; (2) Improved Stability For Dr Video; (3) Cordless Drill Auto-Charger; (4) RGB-to-Component Video Converter Fix; (5) Using A Transistor As a High-Power Zener; (6) Low-Voltage Mains Switch*

## **90 Vintage Radio**

*The 1951 AWA 433MCZ 4-Valve Battery Receiver – by Rodney Champness*