

Video and Audio

- 6 **WHAT'S NEW IN VIDEO & AUDIO** *The latest products...*
- 8 **THE CHALLIS REPORT:** *Sony's TCD-D3 — a DAT 'Walkman' recorder*

Features

- 14 **AUTOMOTIVE ENGINE CONTROL - 5** *Solving wiring harness problems*
- 18 **BUGS BUNNY ON THE GOLD COAST** *Oz-developed 'live' puppets...*
- 24 **MOFFAT'S MADHOUSE** *Murphy's Law and the sound man*
- 26 **LISTENING POST WESAT STATION - 1** *Weather satellite pics via a PC*
- 44 **WHEN I THINK BACK...** *'Smithy', the Southern Cross and radio (1)*

Projects and Technical

- 52 **THE SERVICEMAN** *Puzzling problems presented by power supplies*
- 62 **CIRCUIT & DESIGN IDEAS:** *Temperature/oil alarm; Triac switch control*
- 64 **LOW COST 1MHZ PULSE GENERATOR** *Easy to build, very handy*
- 72 **HIGH QUALITY SUBWOOFER DESIGN** *Extend your system's response*
- 82 **'PHONE RINGING' SOUND SIMULATOR** *Build it to learn about SMD's*
- 90 **PROGRAMMABLE LOW COST CODEPAD** *Uses a dedicated micro...*
- 94 **THE MULTIDIM** *Is this the 'ultimate' in automatic lamp dimmers?*
- 104 **VINTAGE RADIO** *Australia's most popular mantel radio*
- 107 **EXPERIMENTING WITH ELECTRONICS** *A 'noisy reminder' timer*

Professional Electronics

- 122 **NEWS HIGHLIGHTS** *Optus to launch Mobilesat in 1993; WARC 92 ends*
- 126 **SOLID STATE UPDATE** *Fast codecfilter for digital phones*
- 128 **SOFTWARE EMULATES CPU OPERATION - 1** *Novel teaching tool*
- 132 **T&M REVIEW: COMSONICS 'WINDOWLITE'** *Handheld FSM*
- 134 **THE LATEST TEST INSTRUMENTS** *Representative models*
- 138 **T&M REVIEW: HP 4263A LCR METER** *Measures passives to 100MHz*
- 142 **NEW PRODUCTS** *1200VA/1kW sinewave inverter; SMD transformers*
- 148 **SILICON VALLEY NEWSLETTER** *US lost 90,000 electronics jobs in '91*
- 150 **LMS** *Hardware/software package turns PC into a speaker testing system*
- 156 **COMPUTER NEWS & NEW PRODUCTS** *Double-speed '486 CPU chip*

Columns and Comments

- 4 **LETTERS TO THE EDITOR** *Marantz clarification, young experimenter*
- 5 **EDITORIAL VIEWPOINT** *'Australia Post's price hike: the protest continues*
- 36 **FORUM** *More on E-M field dangers, and more ways of gilding the hifi lily*
- 112 **INFORMATION CENTRE** *Power, rectifiers and all that...*
- 116 **SHORTWAVE LISTENING** *Shortwave bands extended at WARC 92*
- 120 **AMATEUR RADIO NEWS** *6m records, comment on WA station's callsign*