# Features

### 13 The Basslink High-Voltage DC Power Link

How do you get 500,000V DC across 300km of wild water? Basslink is the longest undersea HVDC power link in the world – by Michael Goebel

# 31 Review: Metrel Instaltest 3017

It not only prompts you through all the compulsory AS/NZS3017 electrical tests but also allows you to print out a report for the client as is now mandatory – by Leo Simpson

# Projects To Build

### 22 Railpower Model Train Controller

It features infrared remote control, variable inertia and a pulse power output to ensure smooth control of your locomotives – by John Clarke

# 34 Versatile LED/Lamp Flasher

Looking for a replacement for the LM3909 LED flasher/oscillator IC? This versatile LED/lamp flasher module will do the job – by Thomas Scarborough

# 58 Ultra-LD Mk.2 200W Power Amplifier Module, Pt.2

Pt.2 this month gives the assembly details for this new high-performance module & describes a suitable power supply – by John Clarke & Greg Swain

# 72 DSP Musicolour Light Show; Pt.4

Simple add-on circuit lets you drive your new DSP Musicolour using a standard infrared remote control handpiece – by Mauro Grassi

# 76 LED Strobe & Contactless Tachometer, Pt.2

Pt.2 has the assembly details for the photo-interruptor and IR reflector amplifier modules. We also describe how the unit is used – by John Clarke

# Special Columns

#### 40 Serviceman's Log

One man's trash is another man's treasure - by the TV Serviceman

### 53 Circuit Notebook

(1) Kill Those Adverts Quickly With The Supermute; (2) 4017 Counter Tester; (3) Water Tank Level Indicator; (4) PICAXE-Based Star 5W LED Control Unit;

(5) Low-Power Class-A Valve Amplifier; (6) Sweep Frequency Generator For

# Audio Testing

#### 80 Vintage Radio

The Raycophone "Pee Wee" Midget - by Rodney Champness