

Features

10 Review: Denon DCD-700AE Compact Disk Player

Looking for a CD player with superlative performance? The Denon DCD-700AE delivers the goods – by Leo Simpson

28 PICAXE VSM: The PICAXE Circuit Simulator!

Ever wondered whether your latest brilliant PICAXE project idea would actually work? Now you can find out before you build it, with the new PICAXE circuit simulator software – by Clive Seager

Projects To Build

14 PIC-Controlled Swimming Pool Alarm

Reduce the possibility of a drowning in your swimming pool with this “smart” Pool Alarm. If someone falls in, a loud siren sounds – by John Clarke

32 Emergency 12V Lighting Controller

This easy-to-build project automatically turns on 12V emergency lights within a second or two of a mains power failure – by Jim Rowe

58 Build The “Aussie-3” Valve AM Radio

So you thought valve technology was dead? It is – but we have exhumed enough of it to produce a unique 3-valve radio – by Keith Walters

72 The Minispot 455kHz Modulated Oscillator

Build this simple circuit and use it to align the intermediate frequency (IF) stages of any AM broadcast or shortwave radio – by Mauro Grassi

80 Water Tank Level Meter, Pt.3: The Base Station

Designed for use with up to 10 Water Tank Level Meters, this Base Station lets you monitor water levels inside your home. Also included is an option for electric pump control – by John Clarke

89 Improving The Water Tank Level Meter Pressure Sensor

Here's a few tips on improving the in-tank set-up plus an improved method for mounting the pressure sensor externally – by John Clarke

Special Columns

40 Circuit Notebook

(1) Nicad Cell Discharger; (2) CFL Inverter With Overload Protection; (3) Spa Heater Control

44 Serviceman's Log

Tinker, tailor, espresso machine fixer – by the TV Serviceman

92 Vintage Radio

The simple Aristone M1 4-valve mantel receiver – by Rodney Champness