

Features

10 Your Own Home Recording Studio

Learn how to produce audio CDs for musicians at a fraction of the cost of a recording studio – by Michael Goebel

22 The Electricity-Saving Box – Does It Work?

Is this a clever gimmick or what? You just plug it in and it supposedly saves you money . . . or does it? – by Mauro Grassi

48 Siemens' Electronic Wedge Brake

Revolutionary new electronically-controlled braking system has no hydraulics

Projects To Build

28 PIC-Based Water-Tank Level Meter; Pt.1

It's easy to install, doesn't use a complicated in-tank sensor and has an optional radio telemetry feature that lets you remotely monitor up to 10 tanks and automatically control pumps – by John Clarke

40 Playback Adaptor For CD-ROM Drives

Ever wanted to use a CD-ROM drive as a CD player? This nifty adaptor can control two CD-ROM drives and has IR remote control – by Mauro Grassi

62 Rolling Code Security System; Pt.2

Second article covers the installation and setting-up procedures and describes the optional SOIC adaptor board – by John Clarke

67 PIC Programmer SOIC Converter

This simple adaptor PC board accepts 18-pin SOIC PIC micros and plugs directly into a conventional PIC programmer – by John Clarke

69 A UV Light Box For Making PC Boards

Build your own exposure light box with an electronic timer – by Robert Scott

Special Columns

57 Serviceman's Log

Fire, foam and computer hard drives – by the TV Serviceman

82 Circuit Notebook

(1) PIC-Controlled SLA Battery Capacity Meter; (2) Audio Link Via Cat.5 Cable; (3) Simple Model Train Controller; (4) R/C Servo Exerciser; (5) Animation For Mobiles; (6) Discrete Component Low Dropout Regulator

90 Vintage Radio

Pocket-sized valve portable radios – by Rodney Champness