

22 Car Sound On The Cheap; Pt.2

Buying the amplifier and subwoofer and the wiring options – by Julian Edgar

40 The Microbric Viper

No soldering required: all you need is a screwdriver to build this state-of-theart programmable robot and all the bits are reusable – by Ross Tester

61 Excellence In Education Technology Awards SILICON CHIP's new awards for electronics technology in education

PROJECTS TO BUILD

8 Building The Ultimate Jukebox; Pt.1

This Jukebox won't eat up your \$2 coins but gives you all the features you want. You build it using a computer, an amplifier module and a speaker, plus some specialised jukebox software – by Ross Tester

30 Universal High-Energy Ignition System; Pt.1

It works with a variety of trigger inputs and uses a PIC microcontroller to control the switching transistor – by John Clarke

62 Remote LED Annunciator For Queue Control

Got a queue situation? This project will stop the arguments and punch-ups by ensuring that people are served in their turn – by Jim Rowe

72 Build A MIDI Drum Kit; Pt.2

It offers a staggering 546 drum sounds and there's not a stretched skin in sight! Here's how to build the control unit – by John Clarke

85 433MHz Wireless Data Communication

Want to get your Picaxe talking without wires? We show you how to use Jaycar's dirt cheap 433MHz UHF data modules, plus there's a 433MHz Yagi antenna to build – by Stan Swan

96 PIC In-Circuit Programming Add-On Adaptor

What, no in-circuit programming facility on your PIC Programmer? Here's how you can add this useful feature – by Keith Anderson

SPECIAL COLUMNS

44 Circuit Notebook

(1) Solar Hot Water Differential Pump Controller; (2) The Mystery Swinger; (3) Clap-Controlled Switch

48 Serviceman's Log

Diagnostic codes: help or hindrance? - by the TV Serviceman

82 Salvage It!

So you've scrounged a VCR? Let's salvage the good bits – by Julian Edgar

98 Vintage Radio

Ray Kelly and the Historical Radio Society of Aust. - by Rodney Champness