

8 GM's Hy-Wire Fuel-Cell Car

World-first concept car from GM combines a hydrogen fuel-cell power plant with drive "by-wire" technology. And just look at the styling!

13 A Look At Emergency Beacons

An emergency beacon could save your life. Here's a rundown on the various types that are available and how they work – by Peter Holtham

76 Review: Canon's Image Stabilised Binoculars

Whether you're into bird watching or astronomy (or anything else), these image-stabilised binoculars will get rid of the shakes – by Leo Simpson

PROJECTS TO BUILD

22 LED Lighting For Your Car

Replace your car's filament lamps with LEDs for improved safety. There are several designs to build, all using high-brightness LEDs – by Peter Smith

36 Peltier-Effect Tinnie Cooler

It's based on a Peltier-effect module fitted with a fan-cooled heatsink. You just install it in a 6-pack Esky and to keep your tinnies cool – by Ross Tester

56 The PortaPAL Public Address System; Pt.2

Here's the good oil on putting it together and getting it to work. We even describe an easy way to build the box – by John Clarke & Leo Simpson

66 12V SLA Battery Float Charger

It's intended for the PortaPAL but it also makes a great general-purpose 12V SLA battery charger – by John Clarke & Leo Simpson

68 The Little Dynamite Subwoofer

Build this compact subwoofer for very little money. It's ideal for use in a car or home unit – by Julian Edgar

79 More Fun With The PICAXE: A Shop Door Minder

Part 2 of this series shows you how to build a "Shop Door Minder . . . With Attitude" – by Stan Swan

82 SuperCharger Addendum

Did you build the SuperCharger described in Nov-Dec 2002. If so, you need this simple 2-transistor add-on board – by Peter Smith

SPECIAL COLUMNS

32 Circuit Notebook

(1) Automatic Headlight Switch; (2) Simple Universal PIC Programmer; (3) Bat Detector Picks Up Ultrasound; (4) Junkbox-Parts Oven Timer.

40 Serviceman's Log

Bring your hammer-drill and muscles - by the T.V Serviceman

84 Vintage Radio

Antennas & earthing systems for crystal sets - by Rodney Champness