

## **FEATURES**

### **4 Geocaching: Treasure Hunting With A GPS**

*Enjoy treasure hunts the high-tech way. All you need is a GPS receiver (and preferably a 4WD) – by Ross Tester*

### **30 Help Reform Electrical Legislation**

*Want to do your own wiring or repair appliances . . . and remain legal? You can help change the legislation.*

### **57 P-Tag: A Wearable Health Information Card**

*New 8MB flash memory card stores your entire medical history. You wear it around your neck.*

### **58 The Role Of Electronics In Mine Clearing**

*Abandoned land mines are a big problem in many countries. Here's a look at the methods used for detecting these deadly devices – by Bob Young*

### **81 1 Billion Transistor Microprocessors Are Coming**

*New research from Intel has made it possible to cram 1 billion transistors onto one chip. Stand by for the 20GHz processor!*

## **PROJECTS TO BUILD**

### **12 A Direct Injection Box For Musicians**

*Don't put up with hum. This versatile DI Box converts an unbalanced input to a balanced output signal and includes a 3-band equaliser – by John Clarke*

### **32 Build A 200W Mosfet Amplifier Module**

*Rugged design is ideal for guitar or PA work or for use as a general-purpose subwoofer or hifi amplifier – by Leo Simpson*

### **70 Headlight Reminder For Cars**

*Ever forgotten to turn your car's headlights off? This device could save you from a flat battery – by John Clarke*

### **76 40MHz 6-Digit Frequency Counter Module**

*Low-cost unit measures frequencies up to about 40MHz – by David L. Jones*

## **COMPUTERS**

### **24 A PC To Die For, Pt.3 – You Can Build It For Yourself**

*Updating the BIOS and drivers to squash the remaining bugs. The advice applies to other PCs as well – by Greg Swain*

### **64 Using Linux To Share An Internet Connection, Pt.3**

*How to tweak the settings so that you can log on as a user. We also cover logging and show you how to make it easy to drive – by Greg Swain*

## **SPECIAL COLUMNS**

### **44 Serviceman's Log**

*Some faults can be a real challenge – by the TV Serviceman*

### **90 Vintage Radio**

*Substituting for valves that are no longer available – by Rodney Champness*