

# FEATURES

## 10 Build Yourself A Windmill Generator, Pt.1

*The wind is free but first you have to build a windmill if you want to utilise it. This first article looks at do-it-yourself windmills – by Glenn Littleford*

## 74 Satellite C-Band TV Reception: Death By Overload

*Wireless broadband is great for wireless broadband users but it can mean blank screens for C-band satellite TV – by Garry Cratt*

# PROJECTS TO BUILD

## 16 Schoolies 20W Amplifier Module

*This 20W audio amplifier module sounds great, includes over-temperature and short-circuit protection and is dead easy to build – by Peter Smith*

## 28 A Charger For Deep-Cycle 12V Batteries, Pt.2

*Second article has the full construction and set-up details for this new high-performance charger – by John Clarke*

## 56 Solar-Powered Wireless Weather Station

*It's based on a PICAXE processor and "wirelessly" transmits temperature and humidity data to a receiver up to 200 metres away – by Nenad Stojadinovic*

## 63 Bidirectional Motor Speed Controller

*Easy-to-build project can control the speed of 12-24V DC motors in both forward and reverse directions – by Frank Crivelli*

## 78 Picaxus Interruptus

*Sorry to interrupt you but the new PICAXE-08M has interrupt capabilities. Here's how it works – by Stan Swan*

# SPECIAL COLUMNS

## 40 Serviceman's Log

*Houston, we have a problem – by the TV Serviceman*

## 68 Circuit Notebook

*(1) Simple Combination Lock; (2) Bare Bones ESR Tester For Capacitors; (3) PICAXE-Based Ultrasonic Rangefinder; (4) Festive-Season Doorbell; (5) Junk-Box Fan Speed Controller*

## 82 Vintage Radio

*The AWA B79 transistor mantel radio – by Rodney Champness*