

# FEATURES

## 8 The Humble "Trannie" Turns 50

*You say you want a revolution? Well, the humble transistor radio has just turned 50! Here's a look at some of the early designs and how they were developed*  
– by Kevin Poulter

## 22 Review: Stressless Wireless

*Add short-range wireless communications to your projects with these easy-to-use transceiver modules* – by Peter Smith

## 24 Epson's Latest Micro-Flying Robot

*Is it a bird, is it a plane? . . . no, it's the worlds smallest "micro-flying" robot and it flies by itself*

## 46 Review: The Amateur Scientist 2.0

*Over 1000 classic science projects from "Scientific American" and they're all on a single CD* – by Peter Smith

# PROJECTS TO BUILD

## 26 SMS Controller, Pt.1

*Control equipment from anywhere using SMS and an old Nokia mobile phone. It can even text you when your alarm has activated* – by Peter Smith

## 36 RGB To Component Video Converter

*What – no RGB inputs on your TV to match your new digital set-top box? Don't sweat it . . . build this low-cost unit instead* – by Jim Rowe

## 68 USB Power Injector

*Don't overload your PC's USB ports or USB hub. This simple gadget goes in the USB line and will drive that power-hungry USB peripheral* – by Jim Rowe

## 76 Remote Controller For Garage Doors & Gates

*It's easy to build and has all the features you've ever wanted in a remote control, including battery back-up*

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## 60 Circuit Notebook

*(1) Light-Controlled Pond Pump; (2) Bike Battery Charger; (3) 6-Station Sprinkler Controller; (4) 4-Channel Oscilloscope Adapter*

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*Flushing out the problems* – by the TV Serviceman

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