

Features

12 Printing In The Third Dimension

Imagine an inkjet colour printer that outputs images not just in two dimensions (ie, width and depth) but adds the third dimension, height, as well to give 3D objects. The technology is here now – by Ross Tester

18 Review: TekTronix DPO3034 Digital Oscilloscope

The new 300MHz DPO3034 features a wide "digital phosphor" LCD screen, has an excellent user interface and boasts an impressive list of features – by Mauro Grassi

Projects To Build

24 Ultra-LD Mk.2 200W Power Amplifier Module

It uses On Semiconductor's new ThermalTrak power transistors for superlative performance and delivers 200W into 4-ohms or 135W into 8-ohms with ultra-low distortion. It's also very easy to build – by Leo Simpson & John Clarke

32 Planet Jupiter Receiver

Like to try some basic radio astronomy by listening to noise bursts originating from the planet Jupiter? This AM shortwave receiver lets you join in NASA's world-wide Radio Jove project – by Jim Rowe

62 LED Strobe & Contactless Tachometer

This LED strobe & tachometer project is ideal for measuring the speed of rotating machinery. It can do strobe measurements or you can trigger the tachometer using an optical pickup or photo-interruptor – by John Clarke

78 DSP Musicolour Light Show; Pt.3

Third article gives the final testing, troubleshooting and operating details and describes the firmware operation – by Mauro Grassi

Special Columns

44 Serviceman's Log

She was just what I'd always fancied – by the TV Serviceman

57 Circuit Notebook

(1) Charging Controller For 12V Lead-Acid Batteries; (2) Random Direction Control For A Model Railway Layout; (3) Antenna Resonance Indicator; (4) Balanced Supply Rails From A 12V Battery; (5) Universal IR Remote Control Repeater

88 Vintage Radio

The incredible 1925 RCA 26 portable superhet – by Rodney Champness