

8 Voice Over IP (VoIP) For Beginners

A computer, an Internet connection and a headset or "netphone" are all you need to make long distance phone calls for free – by Ross Tester

14 WiFry: Cooking Up 2.4GHz Antennas

Turn a \$10 cooking scoop into a high-performance WiFi antenna for extended signal range – by Stan Swan

PROJECTS TO BUILD

30 Bed Wetting Alert Sounder For Toddlers

Keep the tide out with this effective bed wetting alarm. You just add some circuitry to Jaycar's "Secret Farter" and make a sensor – by John Clarke

37 You've Had Your Fun - Now Make A Doorbell

OK, you've shocked Aunt Martha and embarrassed your granny with your fiendish Secret Farter. Now turn it into a useful doorbell – by John Clarke

40 PICAXE The Red-Nosed Reindeer

It's based on the new PICAXE-08M chip, flashes its nose and eyes and plays popular Christmas tunes and mobile phone ring tones! – by Clive Seager

64 Build A Programmable Robot

Here's a great school project! This robot features full manoeuvrability, speed control, bump-and-respond logic and programmable sound and light sensing. Turn it loose and watch it head for the light – by Thomas Scarborough

76 Oh No! Not Another CFL Inverter

Yep, another one but this one's really simple. It's powered from 1'2V and is just the shot for running multiple compact fluorescent lights (CFLs) or even a small colour TV set – by Graeme Matthewson

SPECIAL COLUMNS

24 Circuit Notebook

- (1) USB-Powered PIC Programmer; (2) Economical Desk Lamp For Camping;
- (3) Quartz Clock Flasher Protects Equipment; (4) Two Switches Share One Pin;
- (5) Multi-Level Lock System; (6) PICAXE-Controlled Battery Charger

56 Serviceman's Log

You have to be versatile in this game - by the T.V Serviceman

80 Vintage Radio

This Little Nipper was a dog - by Rodney Champness

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