

# Hands On Contents

■ *Hands On* is the place where readers can contribute to *PCW* and, as always, we'll pay for anything we use. Macros, sections of code, and hints and tips will be rewarded with a £20 book or record token (please say which you'd prefer) and we'll pay hard cash for longer, more involved pieces. Please include relevant screenshots in .GIF format.

All submissions should be emailed to the author of the appropriate section or snailmailed to Hands On, Personal Computer World Editorial, VNU House, 32-34 Broadwick Street, London W1A 2HG. Questions and short hints and tips can be faxed on 0171 316 9313.

We're constantly working to improve the contents of *Hands On*. If you have any suggestions, send them to the Editor at the address above, or email them to: [pcw@vnu.co.uk](mailto:pcw@vnu.co.uk)

## Workshop

### SQL 266

Mark Whitehorn winds up his SQL tutorial with UNION, insert, update and delete commands.

## Operating Systems

### Windows 95 270

Tim Nott tries out a mouse that does wheelies, puts you under startup orders, and shows you how *not* to sing the blues.

### Windows 3.1 273

Multiplicity among your configuration options. And how to cheat at cards, courtesy of Tim Nott.

### Windows NT 276

Broken SCSI connector pins remind Dale Strickland-Clark of the importance of writing batch routines for backup.

### Unix 280

Chris Bidmead p-p-p-picks up on PPP and comments on COSE.

### OS/2 284

Terence Green goes to warp mode and tries out the Warp 4.0 beta on his system.

## Applications

### Word Processing 288

Go for a scroll with Tim Phillips and discover how to email or fax your signature, correctly scaled.

### Spreadsheets 291

Troublesome messages trounced, sombre spreadsheets made sunnier. Stephen Wells shines his light on life among the worksheets.

### Databases 295

Who's a popular boy, then? Mark Whitehorn presents solutions for producing a "top ten" popularity listing.



### 3D Graphics 306

Let Benjamin Woolley take you Direct to the third dimension. And there's some food for thought for the power-hungry.

### Graphics & DTP 308

Yes, you've been waiting all year for it...(!) Gordon Laing's personalised Christmas card! Plus, the return of Font of the Month.



### Multimedia 312

Panicos Georghiades and Gabriel Jacobs present a guide to audio codecs in Win95.



### Sound 316

Steven Helstrip gives you Cubase shortcuts for Christmas and some MIDI-editing tricks.



## Programming

### Numbers Count 301

Join Mike Mudge and the fraction faction to play the Fractran game.

### Visual Programming 320

Visual Basic and Delphi components compared. How to choose a visual language — more plain speaking from Tim Anderson.



## and the rest...

### Hardware 302

Will you drop your floppy and go for a drive with a difference? Roger Gann helps you choose from among the new drives available.

### Networks 326

Learn the lingo with Mark Baynes at the start of his potted guide to networking terms.

### Macintosh 332

Howard Oakley on the doomed duplex printer delivery. Plus, cheap programming and ten top SCSI tips.

