

Contents

Feature Articles

Pic 'n' Mix Digital Injection System	8
PSK31: A New Digital Radio-Teletype Mode	29
Facelift for a 13cm Station	34
Electrically Tuned Six Band HF Beam	36
Poor Man's Caesium Clock	38
Ready for VHF & UHF DXing?	41
Getting the Best Out of Your VHF Station	45
RF Output Power vs Load Impedance	48
Screwdriver Rapid QRV Antenna	52
Touch Sensitive Keyers	56
Designing ATUs Using a Spreadsheet	58
Build an E-Field Meter	62
Radio Effects of the 1999 Solar Eclipse	66
New Life for an Old Rig (the KW2000 series)	71
FM Spectrum Analyser	73
Erecting Portable Masts	79
Skymiser HF Antenna	83
Pic-Based Morse Decoder	87
Icom Data Interface	91
Sensitive Loop Antenna for 136kHz	93
Simple Digital Power Meter	97
Evolution of the Personal Computer	105
Turn Your Dip Meter into a Signal Generator	110
Microwave Subsystem	114
Digital Voice Communication	122
Frequency-Selective Impedance Bridge	128

Articles from *Down to Earth*

Easi-Build 80m Transceiver	134
Simple Diode Tester	142
Introduction to the CRO	143
Mysteries of the Ionosphere	145
Introduction to DSP	148
Two-Peg Axial Gripper	149
Introduction to Voltage Regulation	152
Art of Shunting Meters	153

Contents

Introduction to AGC.....	155
Simple Auto Keyer.....	156
Introduction to Gamma Matching.....	158
Dual Voltage Supply from a Single Battery.....	160
Introduction to Rectification.....	162
Reaching Great Heights in Amateur Radio.....	164
Introduction to Quartz Crystals.....	166
Earth Continuity Tester.....	168
Introduction to Transformers.....	170
Introduction to Solar Indices.....	172
Introduction to ATV.....	174
Introduction to Speech processing.....	176
Introduction to Noise.....	178
Simple HF Antenna with Gain.....	180

Eurotek

Pages start at.....	182
List of topics covered.....	285

In Practice

Pages start at.....	196
List of topics covered.....	285

Technical Topics

Pages start at.....	222
List of topics covered.....	285

Miscellaneous

Technical Feedback.....	12, 16, 51, 65, 90, 92, 109
Book Choice.....	91
Abbreviations and Symbols.....	141, 151, 157, 159, 167, 179
What Do You Know?.....	151, 154, 157

Appendices

Alphabetical List of Authors.....	283
Topics Covered in <i>Eurotek</i> , <i>In Practice</i> and <i>Technical Topics</i>	285
Alphabetical List of Feature Articles.....	287