Content / Inhalt

DUBUS TECHNIK 8

Antennas and Feeds

Circular Polarization and Polarization Losses by Rastislav Galuscak, OM6AA and Pavel Hazdra	8
Prime-Focus Circular Waveguide Feed with Septum Polarization Transformer by Rastislav Galuscak, OM6AA	24
A Simple Circular Polarizer for 10GHz by Marko Cebokli, S57UUU	49
Designing a Super-VE4MA Feed Horn for 23cm and 13cm by Günther Köllner, DL4MEA	58
High-Efficiency Feedhorns for Prime-focus Dishes by Paul Wade, W1GHZ: Part 1 – VE4MA feedhorn and variations Part 2 – Chaparral-style feedhorns Part 3 – Septum polarizers and circular polarization	73 95 109
Design of a Prime-focus Feed with backward radiation by Libor Slama, Rastislav Galuscak, OM6AA and Pavel Hazdra	129
Loop Feed With Enhanced Performance by Rastislav Galuscak, OM6AA and Pavel Hazdra	140
Low Temperature Antennas by Popa Ljubsa, YU7EF	161
432 MHz Long Boom EME Yagi by Popa Ljubsa, YU7EF	177
1dB Booster for the 11 Element 2m Flexa Yagi by Popa Ljubisa, YU7EF	183
6m / 4m High Gain Dual Band Yagis by Popa Ljubisa, YU7EF	187
Yagis for the 70 MHz Amateur Band by Martin Stever, DK7ZB	195

Oblong Antennas for VHF – Discussion of a new Design by Joachim Kraft, DL8HCZ	201
More about Oblong Antennas by Slobodan Bukvic, YU7XL	213
More about Oblongs (II) – more Gain on 70cms by Slobodan Bukvic, YU7XL	217
More about Oblongs (III) – more Gain on 70cms by Slobodan Bukvic, YU7XL	223
More about Oblongs (IV) – a challenging Antenna for 2m by Slobodan Bukvic, YU7XL	230
Conical Horn Antenna for 47 GHz by Wolfgang Demmer, DD8BD	233
Measuring Equipment, Filters etc.	
A Simple PANFI (SPANFI) – Concept and Implementation by Ingo Gaspard, DF1VH	236
QRO Lowpass Filter for 2m PAs by Bodo Heyl, DL2FCN	256
Pipe-Cap Filters Revisited by Paul Wade, W1GHZ	259
RF PIN Regulator by Ulrich Graf, DK4SX	272
<u>Preamps</u>	
144 & 432 MHz Low IP3 PA3BIY LNAs - Modified Version by Peter Frenning, OZ1PIF	274
Power Amplifier	
Design and Building of a 300W MOSFET Push-Pull PA for 144MHz by Gaëtan Horlin, ON4KHG	277

350 Watt Lateral MOSFET Amplifier for 23 cm by Goran Popovic, AD6IW	307
24 GHz PA with 3 Watt Output by Philipp Prinz, DL2AM	319
5.5 Watt Power Amplifier for 24 GHz by Philipp Prinz, DL2AM	324
2m 500W Amplifier using a 3-500Z by Tatsumi Mochizuki, JH2CLV	328
<u>Transverters</u>	
122 GHz Transverter with separate TX and RX Part by Jürgen Dahms, DCØDA	330
New RX Mixer for 122 GHz with 10 db Improvement by Jürgen Dahms, DCØDA	344
New Housings for 47, 76 and 122 GHz Transverters by Philipp Prinz, DL2AM	349
More about SMT and Microwave Housings by Philipp Prinz, DL2AM	362
<u>Software</u>	
Sun Noise Measurement by Rex Moncur, VK7MO	370
Propagation and Miscellaneous	
The case if the varying Sun Noise by Doug McArthur, VK3UM	372
Midlatitude Sporadic E on VHF in Correlation to the 22-year Magnetic Cycle of the Sun by Joachim Kraft, DL8HCZ/CT1HZE	374