Contents / Inhalt 2019

Reports (Technique, Operation Technique, Propagation, Software)

	5 / /	
Programmable Test Signal Generator for 6m to 9cm - with CW ID generator and option for 3cm	Hans Peter Mayer, DH1VY	I/9
The 2-D Radiation Pattern of Parabolic Dish Antennas Adjusting the IF frequency to satisfy the mmWave mixing equation: A feature of microwave SDR IF systems	Joachim Köppen, DF3GJ John Petrich, W7FU	I/28 I/40
Experiences, operational considerations and results when using	Charlie Suckling, G3WDG	I/49
a Portable EME Station for working near the Horizon Phase locked External Reference for 10 GHz Satellite LNBs EME on Millimeter Waves: Part 2 - My Antenna Simple PCB Antenna for 23cm SR T02: New Walkie Talkie module - for a price of a box of cigarets A new milestone in the history of amateur radio	& Petra Suckling, G4KGC António Matias, CT1FFU Sergey Zhutyaev, RW3BP Hans Peter Mayer, DH1VY Jure Mikeln, S52CQ Reinhard Kühn, DK5LA	I/62 I/69 I/80 I/91 I/100
Simple dual band dish feed for Es'hail-2 / QO-100 Cassegrain Reflections - Producing and Testing 3D printed Cassegrain sub-reflectors	Mike Willis, G0MJW et al Alan Devlin, VK3XPD	II/11 II/22
76 GHz TVTR Upgrade: Using the New DB6NT MKU 76 G2 Transverter Sporadic-E Summary 2018 – 144 MHz Update to Sky and Earth Brightness Temperatures for VHF / UHF Amateur Radio Bands	Al Ward, W5LUA Joachim Kraft, DL8HCZ Hartmut Klüver, DG7YBN (German version on p. 81)	II/50 II/54 II/98
Differential GPS Azimuth Reference for Microwave Portable Operations As easy as 122 GHz? An easier way on to the 122GHz mm-wave band 2m Band Transverter for the IC-7300 SDR Transceiver Motorizing WR-10 & WR-15 Waveguide Switches On close-spaced, low-Z, parallel Transmission Lines Notes from the noise test lab - Part 1	Rex Moncur VK7MO et al. Andrew Anderson VK3CV Michael Kuhne, DB6NT Al Ward, W5LUA Roger Harrison, VK2ZRH Dimitry Fedorov UA3AVR	/9 /22 /50 /63 /68 /95
23, 13, 9 and 6cm Dish-feed on one feedline VLNA-144 - Very Low Noise Preamplifier Twin-boom Yagi Antennas for 432 MHz - Comparing different radiators Yoctenna / YEFA - A novel radiator and directive antenna with interesting feature in bandwidth and patterns An Antenna Analyzer Does Much More	Lapo Pieri, IK5NAX (German version on p. 95)	IV/9 IV/19 IV/41 IV/54 IV/74
Patch Array Antenna for the Es'Hail-2 Satellite	Mirek Kasal, OK2AQ	V/103

News, Activity Reports, Expedition Reports, Contests etc.

122 GHz: A new step forward for the millimetre bands in Spain 78 GHz Fun in the Arizona Sun The Australian "EPIC" 2019 Microwave Dxpedition 144 MHz Record QSOs from Cape Verde (D41CV)	Luis Presa, EA5DOM I/110 Tony Emanuele, K8ZR II/118 David Minchin, VK5KK III/123 III/116
Moon Ephemeris Overview for the Year 2020	JJ Maintoux, F1EHN IV/126
Solar Cycle 24 Report, 2/5/7/11/2019,by Jim Kennedy, KH6/K6MIO Aurora News Tropo News FAI News EME News News & Comments VHF Australia & New Zealand VHF South Africa	I/125, II/127, III/126, IV/124 I/110, III/108, IV/120 I/121, II/125, III/115, IV/118 I/126 I/119, II/126 I/128, II/128, III/128, IV/127 I/118 II/121
Microwave Europe	I/116, II/122, III/118, IV/109
Microwave Japan	I/118, II/120, III/122, IV/115
4m & 6m News	I/128, II/128, III/127, IV/123

DUBUS contents files for the years 2003 to 2019 are available as PDF on www.DUBUS.org