About the Cover

Ralph J. Crumrine, NØKC, designed a light-weight 3 kW power supply to support amplifiers based on the newer 65 V LDMOS FET devices. The power supply uses state-of-the-art switching MOSFETS supplying a 65 V output at up to 50 A, and includes some features particularly useful to the amateur radio operator/experimenter. The design uses a pulse width modulated waveform operating at 60 kHz, and user-wound ferrite transformers. The resultant new design is housed in a 5 1/2” H by 7-1/2” W by 10” D cabinet and weighs just 9 lb.

Features

2 Perspectives
Kazimierz “Kai” Siwiak, KE4PT

3 The Versatile Double Balanced Mixer
Eric P. Nichols, KL7AJ

8 A 3 kW, 65 V Light Weight PWM Power Supply
Ralph J. Crumrine, NØKC

14 HM-133 Microphone DTMF Adapter Project
Joseph M. Haas, KE0FF

16 Collection of Broadband HF Antenna Designs, Part 1
Jacek Pawlowski, SP3L

22 Letter to the Editor

23 A New Technical Podcast for Amateur Radio!

26 Upcoming Conferences

Index of Advertisers

DX Engineering: .........................Cover III
Kenwood Communications: .............Cover II
SteppIR Communication Systems.....Cover IV