In This Issue

March 2012 Volume 96 Number 3

Technical

A Coaxial Vertical for 160 and 80 Meters 30
Scott M. Harwood, K4VWK
No room for a straight line? Bend it like K4VWK.

Remote Tuning for a 43 Foot Monopole 33
Shef Robotham, WA1RHT
Having the tuner at the antenna can reduce coax loss.

Webcam Microscope for the Radio Amateur 38
Wayne Smith, WA4WZP
A handy way to make SMDs and tiny board traces large enough to see.

Three Wrong Assumptions about the Ionosphere 40
Eric P. Nichols, KL7AJ
Point of clarification: Some common misconceptions about how signals travel.

Your 2 Meter Mobile Antenna – What’s the Best Mounting Location? 43
John Portune, W6NBC
What works best – trunk lid, roof or bumper?

Product Review 46
Mark Wilson, K1RO
A look at four antenna analyzers; Bravo-7K Portable Vertical Dipole

News and Features

It Seems to Us 9
The FCC’s Parallel Universe

This Just In 12
Joel P. Kleinman, N1BKE
Exotic ARRL VE session; 2012 Annual Meeting of the ARRL Board; Inside HQ; Media Hits; more.

Mercy Ships – 9L5MS Sierra Leone 2011 DXpedition 64
Arie Kleingeld, PA3A
Three weeks in Africa for a good cause.

Where is the DX Now? 67
Stephen J. Gradijan, WB5KIA
How to use DX spotting information.

Amateur Radio in Ethiopia 68
Jim DeLoach, WU0I
A single ham has kept ET3AA going for two decades.

Selecting a Commercial HF Vertical for Your Station 69
Joel R. Hallas, W1ZR
Buyer’s guide to multiband verticals.

Woodstock – Memories and Morse 71
Stan Levandowski, WB2LQF
One ham’s homage to Woodstock Nation 42 years on.

ARRL Board of Directors Gather in Connecticut for 2012 Annual Meeting 73
S. Krystynne Keane, K1SFA
The ARRL Board approves electronic voting for Director elections and extends thanks to outgoing Treasurer Jim McCobb, K1LU.

Philip J. McGan Memorial Silver Antenna Award 75
Allen Pitts, W1AGP
Impressed with a reporter’s work during 2011 involving a news story about Amateur Radio? Now’s the time to nominate him or her.

Happenings 76
S. Krystynne Keane, K1SFA
Still another BPL provider shuts down; ARISSat splashes down; FCC News; more.
Our Cover
Limassol Radio Club station 5B4MS on the island of Cyprus is located on property owned by the British East Mediterranean Relay Stations social club. Most 5B4MS club members are in the broadcasting business. The antennas, installed just a few yards from the sea, enjoy excellent take-off paths to Africa.

Sticking with the antenna theme, the inset photo shows the RF deck used to remotely tune a 43-foot vertical. The article begins on page 33.

[Background photo by Henyek Kotowski, SM6UHF; inset photo by Shef Robotham, WA1RHT]