Our mission: To promote and advance the art, science and enjoyment of Amateur Radio.

In This Issue

December 2014   Volume 98   Number 12

Technical

A 1500 W Centennial Amplifier for the 80 – 6 Meter Bands  30
Ralph J. Crumrine, N0KC
This 8877 triode-based amplifier includes technologies from a century of transmitter development.

Transceiver Power Control Accessory  36
Phil Salas, ADSX
Flip a switch to select power amplifier and antenna tuner drive levels for transceivers that accept external automatic level control (ALC).

Done in One: Touch to Talk, Touch to Listen  39
Paul Danzer, N1II
One touch opens and closes a relay triggered by a beam of infrared light.

Product Review  41
Mark Wilson, K1RO
CommRadio CR-1a Communications Receiver, HobbyPCB Hardrock-50 160 – 6 Meter 50 W Amplifier Kit, MFJ-4403 Transceiver Voltage Conditioner.

News and Features

It Seems to Us  9
David Sumner, K1ZZ
Progress on 5 MHz

Inside HQ  13
Harold Kramer, WJ1B
The ARRL Laboratory Part 3 — Industry Relations

Special Veteran, Special Radio, Special Event  59
Richard Corrigan, N0RM C
A Navajo Code Talker — and the radio he used — put the Navajo code on the air again.

Youngsters On The Air — YOTA 2014  61
Ward Silver, N0AX
If you’ve been wondering where all the young hams are, this year the answer is Finland!

Happenings  63
Rick Lindquist, W1ME
ARRL again asks the FCC to elevate the Amateur Service to primary status on 2300 – 2305 MHz. ARRL takes issue with NTIA’s WRC-15 proposal for 5 MHz, radio amateur is among the winners of the Nobel Prize in Chemistry, more.
Radiosport

Contest Corral  68
H. Ward Silver, N0AX

2014 ARRL June VHF Contest Results  69
Bob Striegel, K2DRH

Propagation was below average, but way better than last year!

2014 Field Day Results  73
Matt Wilhelm, W1MSW

In this year’s event, 47,428 participants made over 1.2 million contacts.

Announcements:
The 2015 ARRL International DX Contest  86
The 2015 January VHF Contest  86
The 2015 RTTY Roundup  87
The 2015 ARRL Straight Key Night  87
January Kids Day — 2015  88
ARRL Rookie Roundup — CW December 2014  88

Columns

Amateur Radio World........................... 97
Correspondence............................ 24
The Doctor is In............................ 52
Eclectic Technology........................ 54
Hands-On Radio.............................. 55
Hints & Kinks.............................. 57
How’s DX?.................................. 89
Personal Visions............................. 96
Public Service................................ 66
Up Front.................................. 20
Vintage Radio............................... 98
The World Above 50 MHz................ 91
75/50/25 Years Ago........................ 102

Digital and Mobile Editions

ARRL members can access the digital edition via a link at www.arrl.org/qst, download our iOS app from the iTunes Store, and download our Android app from the Google Play Store.