Second Century
Advancing Amateur Radio, Together

A Vertical Antenna for 160 Meters
Joe Reisert, W1JR
Second-place winner in the 2017 QST Antenna Design Competition, 160 Meters and Lower Frequencies category.

A 6-Meter Portable Yagi Antenna
H. Scott McCann, W3MEO
Honorable Mention in the 2017 QST Antenna Design Competition, 6 Meters and Higher Frequencies category.

An Ultra-Simple 2-Meter Antenna
John Portune, W6NBC

The Personal Space Weather Station
Ward Silver, N0AX

Product Review
Mark Wilson, K1RO
Apache Labs ANAN-8000DLE HF and 6-Meter SDR Transceiver; K1EL Systems PaddleStick CW Keyer with Base Kit; MFJ-1886 Receive Loop Antenna; Elenco XP-720K Workbench Power Supply Kit

The Inventory List
Noel Beardsley, K8MB

Crete: The Epicenter of Amateur Radio Activity in the Mediterranean Sea
Henryk Kotowski, SM0JHF

The Consortium
Bob Beaudet, W1YRC

ARRL Board Tackles Wide-Ranging Annual Meeting Agenda

On the List at Last: Handing Out Kosovo
Jim Fenstermaker, W9JF

From the Archives: SWAN Antennas

2017 September VHF Contest Results
ARRL International Grid Chase Update
Bart Jahnke, W9JJ

2018 Straight Key Night Results

April 2018 Frequency Measuring Test
QST (ISSN 0033-4812) is published monthly as its official journal by the American Radio Relay League, Inc., 225 Main St., Newington, CT 06111-1494, USA. Periodicals postage paid at Hartford, CT, USA, and at additional mailing offices.

POSTMASTER: Send address changes to: QST, 225 Main St., Newington, CT 06111-1494, USA. Canada Post: Publications Mail Agreement #90-0901437. Canada returns to be sent to IMEX Global Solutions, 1501 Morse Ave., Elk Grove Village, IL 60007.

US & Possessions: Membership in the ARRL, including a 1-year subscription to QST, is available to individuals at $49. Licensed radio amateurs age 21 and under and the eldest licensee in the household may qualify for the rate of $25. Life Membership, including a subscription to QST, is available at $1,225. Life Membership without QST is available at $1,000. Libraries and institutions, $62 per year. International To compensate for additional postage for mailing outside the US, the following rates apply:

Canada: Membership in the ARRL, including a 1-year subscription to QST, is available to individuals at $62, payable in US funds. Life Membership, including a subscription to QST, is available at $1,350. Libraries and institutions, $62 per year.

All Other Countries: Membership in the ARRL, including a 1-year subscription to QST, is available to individuals at $76, payable in US funds. Life Membership, including a subscription to QST, is available at $1,900. Libraries and institutions, $76 per year. Membership without QST is available to the immediate family of a member living at the same address, and to anyone who is legally blind, for $10 per year. Foreign remittances should be by international postal or express money order or bank draft negotiable in the US and for an equivalent amount in US funds.

MEMBERSHIP:

Membership in the ARRL, including a 1-year subscription to Digital QST only, is available to Canadian and International members at $49.

Copyright © 2018 by the American Radio Relay League Inc. Title registered at the US Patent Office. International copyright secured. All rights reserved. Quedan reservados todos los derechos. Printed in the USA.

QST®, DXCC®, VUCC®, DX Century Club®, ARES®, Amateur Radio Emergency Service®, Logbook of The World®, LoTW®, and ARRL, the national association for Amateur Radio® are registered trademarks of the American Radio Relay League, Inc. The ARRL and QST in no way warrant the products described or reviewed herein. QST is available to blind and physically handicapped individuals from the Library of Congress, National Library Service for the Blind and Physically Handicapped. Call 1-800-424-8567 or go to www.loc.gov/nls/.


*Payment arrangements available. Please write for details.

In order to ensure prompt delivery, we ask that you periodically check the address information on your mailing label. If you find any inaccuracies, please contact the Circulation Department at circulation@arrl.org or 860-594-0200 immediately. Thank you for your assistance.

Reprints and permissions: permission@arrl.org Details of our Online Privacy Policy can be found at www.arrl.org/online-privacy-policy.

Telephone: 860-594-0200 Fax: 860-594-0259

QST: Meet the Amateurs of Crete

Our Cover

Mike Dimitrakakis, SV9CVY, lives near Rethymno on the northern coast of Crete. He is part of a community of very active amateurs on the island. Learn more in the photoessay, “Crete: The Epicenter of Amateur Radio Activity in the Mediterranean Sea,” by Henryk Kotowski, SM0JHF, in this issue. [Henryk Kotowski, SM0JHF, photo]

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.

Interested in Writing for QST?

www.arrl.org/qst-author-guide
e-mail: qst@arrl.org

Columns

Amateur Radio World ........................................ 79
Classic Radio .................................................. 82
Contest Corral .................................................. 84
Correspondence ................................................ 24
The Doctor is In ................................................. 54
Eclectic Technology .......................................... 56
Happenings ...................................................... 75
Hints & Hacks ................................................... 59
How’s DX? ....................................................... 92
Member Spotlight ........................................... 13
MicrowaveLengths ........................................... 57
Public Service .................................................. 80
Up Front ......................................................... 20
The World Above 50 MHz ................................. 94
75/50/25 Years Ago .......................... 100

Departments

ARRL Member Services .................................. 14
ARRL Section Managers ................................ 16
Convention and Hamfest Calendar .................... 98
Feedback ....................................................... 53
Field Organization Reports ............................. 100
Ham Ads ....................................................... 140
Index of Advertisers ....................................... 142, 143
New Products ............................................... 35
Officers, Division Directors, and Staff .............. 15
QuickStats ..................................................... 128
Silent Keys ..................................................... 101
Special Event Stations ................................... 96
Strays ......................................................... 97
W1AW Qualifying Runs .................................... 97
W1AW Schedule ............................................. 91

54
59
89
92
36
94
80
57