

QEX (ISSN: 0886-8093) is published bimonthly in January, March, May, July, September, and November by the American Radio Relay League, 225 Main Street, Newington, CT 06111-1494. Periodicals postage paid at Hartford, CT and at additional mailing offices.

POSTMASTER: Send address changes to: QEX, 225 Main St, Newington, CT 06111-1494

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Subscription rate for 6 issues:

In the US: ARRL Member \$24, nonmember \$36;

US by First Class Mail:

ARRL member \$37, nonmember \$49;

International and Canada by Airmail: ARRL member \$31, nonmember \$43;

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May/June 2011

About the Cover

John Stephensen, KD6OZH, built two versions of a clean stable VFO circuit that uses an Analog Devices ADF4157 fractional N PLL IC and an Atmel ATtiny2313 microcontroller. One version is a 390 to 425 MHz VHF/UHF VFO, and the other is a 75 to 150 MHz oscillator he built for a 3 to 16 MHz HF transceiver.



In This Issue

Features

A Stable Low-Noise VFO for VHF-UHF Transceivers and **Transverters**

John B. Stephensen, KD6OZH

A Flexible 2-Port Network Calculator Tool By Tom McDermott, N5EG

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A Study of Tall Verticals By Al Christman, K3LC

Optimum Height for an Elevated HF Antenna By Kazimierz "Kai" Siwiak, KE4PT

A New Theory For the Self Resonance, Inductance and Loss of Single Layer Coils By Alan Payne, G3RBJ

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