Second Century
A Passion For Learning

Nano WSPR — A Low-Cost Multiband Transmitter
George R. Steber, WB9LVI

Effects of Common Building Materials on Radio Wave Propagation
Meredith W. Hillier, KG7EUM

Product Review
Mark Wilson, K1RO
Baofeng GT-5R Dual-Band Handheld Transceiver;
West Mountain Radio CBA V Battery Analyzer;
Wire Strippers for the Amateur Workshop;
SOTABEAMS ContestConsole for Icom Transceivers

A Beginner’s Guide for Silkscreen Printing Projects
Douglas Smith, NZ8V

Using an Ionosonde to Understand the Ionosphere
Eric Nichols, KL7AJ

School Club Roundup

NCJ, ARRL’s National Contest Journal, Celebrates 50 Years of Publication in 2022

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QST Reviews
A New Year On the Air
Our Cover
Winter conditions at the homestead of Bill Alsup, N6XMW. Shown among his antenna farm is a Cushcraft A4S with the boom extended 3 feet on each end to accommodate a two-element, 40-meter Yagi made from two Cushcraft D40 dipoles. With a new year and wintry weather upon us, it’s a good time to think about where you’d like to go with ham radio in 2022. If you’re interested in improving your station, you might find Meredith W. Hillier’s, KG7EUM, article, “Effects of Common Building Materials on Radio Wave Propagation,” an insightful look into how your shack’s construction might play a role. Homebrewers looking to give their projects a professional touch should check out the tutorial, “A Beginner’s Guide for Silkscreen Printing Projects,” by Douglas Smith, N2BV. There’s a lot more to this issue, so dive in and start planning your new year on the air! [Bill Alsup, N6XMW, photo]