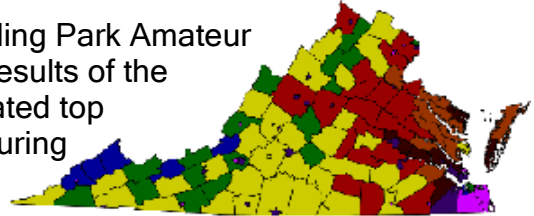


# Presentations

## 9:00 Virginia QSO Party Awards

*Gordon NQ4K*

At the Virginia QSO Party Awards Ceremony, sponsor Sterling Park Amateur Radio Club and the many plaque sponsors will review the results of the contest and to recognize those who have clearly demonstrated top operating skills. This year's Virginia QSO Party was held during the weekend of 16-17 March. Tabulation of the results will have been completed just before the Manassas Hamfest. Plaques will be awarded to the top operators in 27 categories along with participation certificates for all entrants.



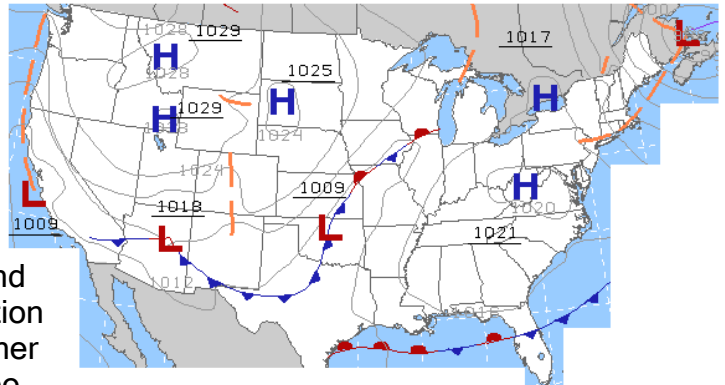
[https://www.qsl.net/sterling/VA\\_QSO\\_Party/2019\\_VQP/2019\\_VQP\\_Main.html](https://www.qsl.net/sterling/VA_QSO_Party/2019_VQP/2019_VQP_Main.html)

## 10:30 Wireless Weather Station

*Karl W4KRL*

Are you a member of Skywarn or maybe just enjoy tracking weather conditions as a hobby? Want to learn more about Arduino programming and the Internet of Things? Join us for Karl's presentation about his design of a solar powered wireless weather station. Want to build one of your own? Karl will be selling weather station kits from his table in the vendor hall. More information about the weather station and his other kits is available on Karl's web page

<http://w4krl.com>



## 11:00 NVIS

*Bill K5AE*

NVIS (Near Vertical Incidence Skywave) is sometimes called the poor man's satcom. Proper selection of HF antennas and frequencies allows NVIS to provide umbrella like coverage of an area up to 100 miles around the transmitter. Want to learn more about setting up an NVIS link for emergency communications? Join us for a presentation by engineer and published author Bill Payne, K5AE.

