First, you might remember that we are now participating in a citizen-science radio propagation project, using some newly installed Software Defined Radios (SDR) connected to the antennas at KPH, and taking advantage of the world-class radio listening conditions that we enjoy at RS. We now have five SDR's in service at RS, listening for weak beacon signals using the Weak Signal Propagation Reporting (WSPR) system.

Five SDR's in the LBR (=Little Blue Rack), now in service on WSPR.

These receivers are observing WSPR signals in all amateur radio bands from Low Frequency (136 kc), Medium Frequency (474.2 kc, 1836.6 kc) and High Frequency (3.5926, 7.0386, 10.1387, 14.0956, 18.1046, 21.0946, 24.9246, 28.1246 kc) allocations. These beacons -- and our SDR's listening for these beacons -- operate 24/7. The data collected by the KPH WSPR project is posted to an online database that is accessible to researchers and amateur radio operators anywhere in the world. To see what stations KPH has heard, click here. When you get to that screen, enter "KPH" in the CALL field, and set TIME PERIOD to whatever period of time you would like to observe. Then click UPDATE. Keep in mind that almost all of these stations are transmitting beacons using less than 5 watts of power -- less than a flashlight bulb. I am sure you will be as impressed as we are when you look at the results.