



Jim Klassen, KBØUAZ working the CW Station.

Dan Dionne, K9ALV and Tom Burke, KD9WAR working in the sideband station.



Jack Bravis, WØEKS working the CW station late Saturday evening.



Erik Westgard, NY9D busy working the VHF station.

Dale Maroushek, NØPEY serving lunch for hungry field day participants.



Dan Meyer, N0KFB, Dale Maroushek, NØPEY, Mark Linafelter NL7AS and another helper loading a generator on Sunday.

A Few Audio Tips by Scott NØAR

One of my mentors was a MaBell engineer that worked on speech transmission standards. I remember a lot of what he tried to drill into me but as a young kid most went in one ear and out the other (no pun intended). Back then it was important for the phone system to only use necessary bandwidth for phone calls. Bandwidth costs money. So the 300 Hz to 3400 Hz bandwidth was the chosen range. Outside that range any voice energy isn't necessary to get the conversation understood.

Our HF radios used to rely on crystal filters to set the reception/transmission bandwidth. You couldn't adjust them but some radios had the ability to shift the filter around the center frequency. This allowed you to boost the high or low end. Most modern HF radios have adjustable bandwidth and allow you to select the low and high pass frequency in the filter.

Depending on the mode and band conditions the best settings will change from day to day and band to band. A good example is if you are working a SSB contest you might only want a 2 kHz bandwidth and that might start at 400 Hz. Cutting down the bandwidth results in less adjacent station interference and enhances the portion of speech we need to communicate. No it doesn't sound like a good quality signal but it gets the information through. The same goes for CW with the exception you should have your preferred received tone be in the center of the band pass. Many rigs have adjustable sidetone that match the center frequency. If your sidetone matches the tone of the signal you are receiving then you both are on the same frequency. Many rigs have an automatic tuning button to "zero beat" the other station. Many contesters use extremely narrow filters and if you call them even slightly off their frequency they just don't hear you. So learning to use a wider, say 500 Hz filter, and letting your brain sort out the adjacent stations will allow you to pick up those off frequency callers and work them.

One other fancy feature that often goes unused on HF radios is the audio equalizer. This adjusts the audio bandpass response in very defined ranges. Some radios have a parametric equalizer type adjustment. Even with a good IF filter setting the sound within the filter may not be optimized for what you want to hear. Adjusting the highs and lows can make for an improved quality of the signal. It might mean less thunderstorm noise or better voice characteristics. Those of us with old ears might need a bit of help to level out that bandpass response and this is the way to do it.

The last link is the speaker we use. I have yet to hear a good sounding speaker in a rig. I recommend you use a good quality external speaker and not be afraid to use the equalizer to make it sound better to your ears. You don't necessary want a big old bookshelf speaker but a smaller 4" speaker pointed at you is going to give you something to work with.

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Digital mode operators will gain the same benefits of knowing your signal is as flat and clean as it can be before you feed it to the decoder. Having a quality audio system also

allows you to hear down to the noise floor. Often you might hear hum, popping or other artifacts that have gone overlooked. These can point to the need for grounding and bonding of all your radio gear to each other. The same artifacts can work their way into the transmit chain and you can be sending them out unknowingly.

VE Report

by Steve Scott WA7HPK

Another great pool of 7 candidates showed up for our July 12th VE exam session at the test site at Galilee Lutheran church in Roseville. Francesca Bernardi KFØUVV, Brian Castle KFØUUE and Anthony Dargai KFØUUD, all of Minneapolis successfully gained their Technician tickets. Dean Martin KØWRT (Burnsville) passed both his Technician and General class exams. Dean joined us for our monthly breakfast in July.

David Grilli KFØIWU (Roseville) upgraded to General and Scott Benson KFØUNS (Burnsville), who had passed his Technician with us in June, accomplished the upgrades to General and Extra, achieving perfect scores in each! The final candidate missed hitting the Technician threshold but opted to study a bit more and come back soon.

Again, please visit the above candidate's QRZ pages and sign their weblogs with a congratulatory note. A good portion of our new licensees appear to be taking advantage of the QRZ JumpStart program. That offer affords them a pretty good deal on the QRZ Explorer 1 VHF/UHF HT and discounted accessories.

VE's assisting at the July session were Ralph Bierbaum NØAWN; Jeff Gubash KAØUPA; Scott Holisky NØAR; Terry Londroche NØGOI; Brian McInery NØBM; Gregory Merth KCØRET; Ray Speltz NDØG; Curtiss Trout ACØCT; and myself WA7HPK. This was also the same day as our Magic Repeater Tailgater event so the parking lot was filled with electronic offerings being sold, swapped or bought. I again bought some raffle tickets and won a couple sets of precision screwdrivers and a \$50 ARRL gift certificate.

We did not test in August, being dark that month but we do have at least 3 candidates signed up already for our September exam session on the 6th, again at the church. For October, we've been asked again to provide VE exams at the North Star Radio Convention at the Hennepin Technical College in Brooklyn Park on the 11th.

Steve Scott
WA7HPK - pipemajor2@gmail.com

Public Service Events

By George Power KØGCP

If you have never participated in a public service event, please consider doing so. It helps to keep the participants and public safe, and it allows you to practice your amateur radio skills, have a lot of fun, and meet many like-minded people. Stay tuned!

DATES	Event
2025-09-05/6	Superior Fall Trail Race 100mi,50mi, 26.2mi https://www.superiorfalltrailrace.com/
2025-09-14	River Falls Autumn Trek https://www.rivervalleytrails.org/autumn-trek/
2025-09-14	BikeMN Twin Cities Ride https://www.bikemn.org/all-events/tcibt/
2025-10-05	Twin City Marathon https://tinyurl.com/tcsnan63
2025-10-11	Northstar Radio Convention https://northstarradio.org/
2025-10-11	Scenic Byway River Run Belle Plaine https://belleplainefestivals.org/event/scenic-byway-half-marathon/
2025-10-17/18	Mankato Marathon https://www.mankatomarathon.com/
2025-12-06	Nemadji Forest Rally Kerrick (<i>Date is tentative</i>) https://www.americanrallyassociation.org/nemadji-trail
2025-12-07	Arlington "Arlidazzle" https://www.arlidazzle.com/schedule/

Thank you very much for helping!

North Star Radio Convention



Join the North Star Radio Convention, the premier statewide event for Minnesota amateur radio enthusiasts. North Star is known for its expert speakers and workshops covering topics tailored to all levels of experience, ensuring there's something for everyone. Reconnect with old friends and make new ones among amateur radio enthusiasts from across the region.

For tickets and more information, visit <https://northstarradio.org/>

Saint Paul Radio Club Breakfast

Third Saturday of each month at 9:00 am



Denny's Restaurant
1664 University Ave. W.

One block West of Snelling Ave.
(Across from Ax Man)

Club Wearables

Many different items with the Saint Paul Radio Club logo may be ordered at: <https://www.hamthreads.com/>
Dale recently spoke with the owner Diane and she assured him they still have our logo in three sizes, hat/chest/back, so you can have it positioned on your favorite item wherever you like. You can shop on line, pick the clothing piece you want, list the logo, name and callsign then pay. Sit back and it comes to your house. If you have questions, give them a call 817-602-1834.

SPRC Contact Information

President	Maroushek, Dale NØPEY	nøpey@comcast.net	651-238-5720
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Member At-Large	Walsh, Bob WCØJ	brw.fsc@gmail.com	612-201-0818
Ground Wave Editor	Meyer, Daniel NØKFB	dan@meyer-family.net	763-238-8239

SPRC Calendar

Fri Sept 5 6PM SPRC Board meeting, Commons Meeting Room,
John R. Albers Center, Cretin-Derham Hall High School. *

Fri Sept 5 7PM Socializing followed by 7:30 PM SPRC Membership meeting.
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat Sept 6 9:30 AM Amateur Radio testing administered by the Saint Paul Radio Club
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville,
MN. Reservations required; Contact Steve Scott WA7HPK, Telephone 651-503-7441 or
e-mail pipemajor2@gmail.com

Sat Sept 20 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Fri Oct 3 6PM SPRC Board meeting, Commons Meeting Room,
John R. Albers Center, Cretin-Derham Hall High School. *

Fri Oct 3 7PM Socializing followed by 7:30 PM SPRC Membership meeting.
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat Oct 4 9:30 AM Amateur Radio testing administered by the Saint Paul Radio Club
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville,
MN. Reservations required; Contact Steve Scott WA7HPK, Telephone 651-503-7441 or
e-mail pipemajor2@gmail.com

Sat Oct 18 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

* Depending on business to be considered, Board Meetings are sometimes held electronically.
Check with a Board member beforehand to confirm a meeting.

Hamfest Calendar

- Sat Sep 13 8AM Lake Elmo tailgate hamfest, 8247 27th St. N., Lake Elmo, MN 55042
<https://www.arrl.org/hamfests/lake-elmo-tailgate-hamfest>
- Sat Sep 13 9AM Isanti hamfest, 1866 301st Ave NE, Isanti, MN 55040
<https://isantiradio.org/Hamfest-info/>
- Sat Sep 13 9AM NPRRC hamfest, 825 3rd Ave, Brewster, MN 56119
<https://www.facebook.com/groups/NPRRC>
- Sat Sep 20 8AM TCFMC Last Chance tailgate swap fest
1705 Forestview Lane N., Plymouth, MN 55441
<https://tcfmc.org/>
- Sat Sep 20 9AM Chippewa Valley ARC hamfest
Bloomer Fairgrounds, 1609 9th Ave, Bloomer, WI 54724
<https://w9cva.org/hamfest>
- Sat Sep 27 9AM Carlton County RACES Fallfest
4 Seasons Sports Facility, 90 Chestnut Ave, Carlton, MN
https://thearac.org/2025/Fallfest_Flier.pdf
- Sat Sep 27 9AM Dakota Division Convention and RRRRA hamfest
Moorhead Armory, 1002 15th Ave N, Moorhead, MN
<https://rrra.org/cal/2025/09/27/2025-rrra-hamfest-arrrl-dakota-division-convention/>
- Sat Oct 11 8AM North Star Radio Convention
Hennepin Technical College, 9000 Brooklyn Blvd, Brooklyn Park, MN
<https://northstarradio.org/>

Zoom Meeting Information

SPRC Monthly Meeting

Time: 1st Friday of the month, 6:00 PM Central Time (US and Canada)

To Join the Zoom Meeting use **Meeting ID: 651 842 1000** and **Passcode: 6512764838**

Or this link:

<https://us02web.zoom.us/j/6518421000?pwd=djluU3dha0FBN1hERIRoUVA0RVNUQT09>

Or

<https://tinyurl.com/ys4efevx>

If you are not familiar with Zoom and would like to arrange to practice, text Don at (651) 276-4838 or email dk@donkelly.biz.

One-tap mobile:

+13462487799,,6518421000#,,,,*6512764838# US

+12532050468,,6518421000#,,,,*6512764838# US

For audio-only, dial 507-473-4847 and follow the prompts

To find other dial-in numbers, see: <https://us02web.zoom.us/j/kuWkJhGiz>