



www.arrl.org



Saint Paul Radio Club Ground Wave

Dan Meyer, NØKFB, Editor
Dale Maroushek, NØPEY, Publisher
<http://www.stpaulradioclub.org/>

KØAGF

Club Repeaters:
145.310 MHz,
442.450 MHz
Both use a 114.8 Hz
tone
PO Box 9375
North St. Paul, MN
55109

Devoted to the future of Amateur Radio as a hobby and public necessity.

SPRC Nets: Wednesday 7:30 PM 28.310 MHz USB; 8:30 PM 145.310 MHz FM 114.8 tone

NEWS AND NOTES FOR January 2026

Volume 86, Issue 1

NEXT MEETING: SPRC Holiday Party Friday January 2nd, 2026

6:00 PM Board Meeting (all are welcome to attend and observe)
7:00 PM Meeting Socializing
7:30 PM Membership Meeting Followed by Program

Entrance to CDH for our meeting

Meetings are held at Cretin-Derham Hall High School located at the intersection of Hamline and Randolph in St. Paul. Park in the lot off Hamline near the athletic field.

Enter door 21 at the Ryan STEM Center addition. The meeting room is down the hallway on the right (the Commons). Door 21 will lock at 7:45; if you arrive after that, please call Br. Bob at 612-201-0818 to be let in.

Program

The program for January is by Erik, NY9D, on the Minnesota COMMEX up at Camp Ripley this past summer.

Erik NY9D got his license around 1986 and shortly after moved to Lombard, IL. Then moved to Phoenix, AZ and Dayton, OH. ARRL Life Member. WAS #5308. DXCC #8640. Moved back to Minnesota in 1996. Active in the Metro Area Repeater Association and Mining Amateur Radio Club. Currently Chair of Medical Communications for the Medtronic Twin Cities Marathon, and Loppet Winter Festival. Also Technical Lead, Loppet Cup 2024 and member, Ramsey Country CERT and Three Rivers Park Patrol.

We developed trivnet, a Linux database replacement for ARES-DATA on PostgreSQL. Trivnetdb allows TCP/IP (web) users and AX.25 Packet users to access mail, live status messages and databases that can be built on the fly for shelter operations, etc. It even has a web interface and new shelter/hospital capacity dashboard.

Dale's Details

by Dale Maroushek NØPEY

Happy New Year! To get started on my begging platform is usually unproductive, but we have to keep trying to maintain a volunteer group of members to keep us represented and coordinated within the local radio picture. Most recently, Tim WD9IGX stepped into the Auction Chair role for at least a few years as he trains his replacement.

Up next we have a need for a Minnesota Amateur Radio Consortium (MN-ARC) delegate to represent SPRC in planning and coordinating the 2026 event. It has survived two years and I liked what I have seen and done for it. Concurrently, there is a need for some more volunteer table sitters with John NØKCJ at this and other events during the year.

The December Party was fantastic, with live music too! Food supply matched the demand, so the serving table was very empty when we closed. I roamed from table to table hoping to visit with as many members as possible and heard what the conversations were talking about. We are a very rounded Club, with many interests and that helps balance the discussions you will find at meetings.

Coming up is the Auction which we addressed last month. Things are progressing and we will keep you posted of changes or new hot items. Only some small donations this year so if you want to sell your overstock, this might be the year. Prices at the auction have notoriously been the lowest in our market. Don't forget the small stuff, the silent auction gives it a display and sends it to a new home.

If you read your GW last month, you saw an introduction telling you about your membership status. Some have already paid and thank you to them. Although we maintain a large database of over 500 emails, only 80 have paid so far this year. Our older members are not renewing because they don't need help right now, but they will when the widow wants to clear out the house. Incidentally, our team of estate agents is also aging, and we need new volunteers to continue this aid to the families of our fellow hams.

Half the season is over and that will bring us to election of officers in May. I will be running for PAST President (again). Who wants to lead the Club deeper into the digital age? Art, our secretary is stepping down, as is George the Treasure although we have a volunteer waiting for that job. I suggest we either purchase another micro recorder or dedicate one of our laptops to the Board. That way the secretary can easily review the meetings and fully report them. And the Treasurer can keep its records on it. That will make the jobs less stressful.

I will also be looking for a replacement for my duties as Registrar. This is a good time to change since the Data Base forms need to be updated to open in the next decade. This also includes keeping email lists. If you have a basic working knowledge of Access, Excel and any mailing software system, you should be able to be up and ready by next season.

Merry Christmas and Happy New Year!

Dale Maroushek, NØPEY President again

Ramblings from the VP's Work Bench

by Kevin Welna W5LNA

Merry Christmas and Happy New Year!!

Well almost..... as I am writing this, it is not yet Christmas.

Let's pretend it is January. So, what did Santa bring you? Anything fun, interesting, cool or even crummy (Like an Ugly Christmas Sweater....Lol)? Jump on the Hobby ADHD net and tell us about it! Check in at 8pm Tuesday Nights on the 146.850 repeater.

First off let me brag a little bit, I am now a grandpa times 2! My grand daughter, Elena was born on December 11. She and her mother are doing well. Now I have 2 grand kids to spoil. Life is good. I am looking forward to taking them on road trips in the RV and seeing stuff and paying for overpriced and low quality touristy stuff. Such is the life of a grandpa.

Since the holidays are upon us, I have not been spending as much time in the shack. But I do have a few updates.....

Whats happening in the shack? Well the laser is broken, but the 3D printers are working exceptionally well. Alas I do not have much that currently needs printing, but, I have a lot that needs laser cutting. But then again that is how my life usually goes. I have ordered replacement parts for the laser and I am hoping that will do the trick and fix the laser. Time will tell.

Quick update; XTool the maker of my laser is actually sending me a replacement laser head! WOW! That will save me about \$600! Talk about great customer service! Although we did all of our correspondence via email, (I hate that) the issue was diagnosed and resolved. Actually, fairly quickly. If you decide to try your hand at laser cutting\engraving, I can not recommend XTool enough. If and when I upgrade, it will be with another XTool laser.

I'm starting to wrap up the first of the winter glider builds. A 2 meter (That's 6 feet plus a few inches for you Luddites out there) wingspan glider called The Bird of Time and looking forward to starting the next. I'm not sure what the next plane will be, so, in the mean time, I will probably finish up a couple of older projects that were started a while back.

Since the laser is down at the moment, I am redesigning one of my gliders. It is a little 1 meter wingspan job that I really thought was too heavy and too complicated to build. To that end, I have redesigned the pod to be a touch shorter, lowered the boom attachment point and I am redesigning the internal bracing and mounts to be lighter yet stronger than the original design. In addition, I have come up with an idea for a sliding wing mount that is lighter, stronger and more versatile. Ditto on the tail feather mountings as well.

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Being cheap, I have found a new covering material. It is called Doculam. Basically it is a very thin plastic film (1.5 mil = .0015 inch) that has a heat activated adhesive on one side that becomes clear when heated to about 180 degrees Celsius. Plus it shrinks down nice and taunt. Alas, it only comes in clear, so I am experimenting with using Rit Dye dissolved in denatured alcohol to color the film. Initial experiments look promising!

Finally, on the model plane front, I was able to get permission to fly small electric gliders (2 meters and under) at a place somewhat near to my home. The area is quite large 3 - 4 soccer fields wide and I believe there is a narrow maintenance vehicle road that passes through the middle of the field....can you say possible paved landing strip? Merry Christmas to me!

Morse Code practice is still happening albeit slowly as the holiday season definitely cuts into my free time. I am toying with the idea to take the 3rd class offered by CW Ops over the winter months. I need a push to get to the next level and I think their classes will give me that push. I must say that it is a bit of an ego boost (Something I really don't need) to be able to pick out letters and words being sent by other Hams via the ether. I ain't there yet, but I am getting closer.

The electronics bench is cleaned off (Mostly) and ready for building a second QMX+ transceiver and I have the POTA Go Box that needs re-organizing and updating in the shack next to my desk. I am also still hoping to get the old Heath Kit radios up and running as well. Tim - I will be calling you some time after the New Years for a bit of assistance on getting these radios up and running. Did I mention that the Heath Kit radios do not have a built in keyer? Huh I guess I had better get back to building that programmable keyer I started a year or two back. (Yep, something shiny caught my attention and the hobby ADHD kicked in and it is currently sitting in a pile of other set aside earlier projects.) As always, one thing leads to another!! Oh, that reminds me, I also have to get the spreader poles for the Hex Beam antenna prepped before Spring as well. Wow, the projects are multiplying faster than rabbits.

We got hit with a few more unexpected "surprises" so it looks like the glass blowing\lamp working bench will have to stay dormant for a few more months\another year.... I'm a bit sad about this but again what can I do? Ah yes, out go always rises to meet income..... LOL

While I dislike winter and the cold, I do look forward to both the St. Paul Radio Club Auction and the TCRC Model Plane Auction. Both coming up early next year. Speaking of the Ham auction, a big thank you to Tim - WD9IGX for stepping up and volunteering to be the auction coordinator! Your efforts are DEEPLY appreciated. As for the rest of you, it's time to step up and volunteer to support your radio club or watch it dwindle and die. A club is only as good as its members and volunteers.

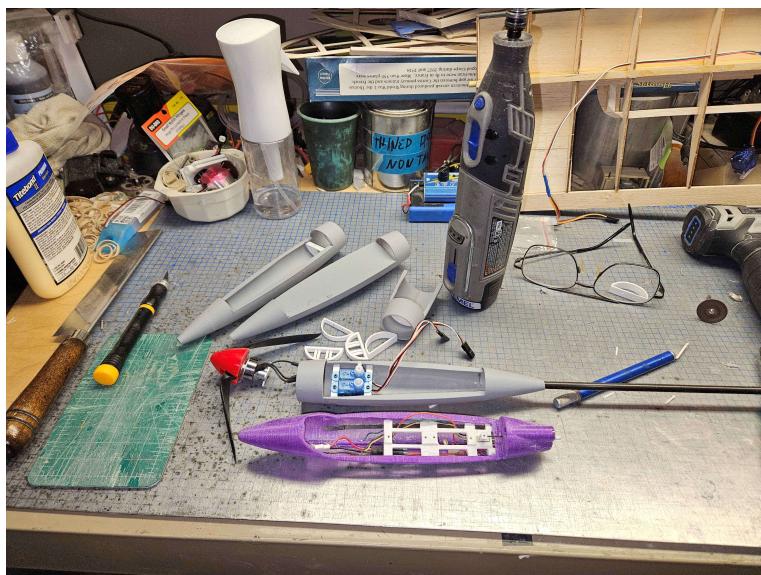
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Once again let me encourage you to rekindle an old hobby or pick up a new one. Find something that piques your interest and pursue it. Start small and grow\expand into it. You have nothing to lose but a bit of time and a couple of dollars. It's good for the soul and your mental health.

Till next time,
May your signals be strong and your antennas have extra gain.
73
Kevin - W5LNA

(A few photos from Kevin appear below and on the next few pages)

At right: The latest glider, almost ready for sanding and covering. It's called a "Bird of Time" it's very old school and I am looking forward to flying next summer.



At left:
The updated pod for the 1 meter
glider in grey.
The old design is below it in Purple.

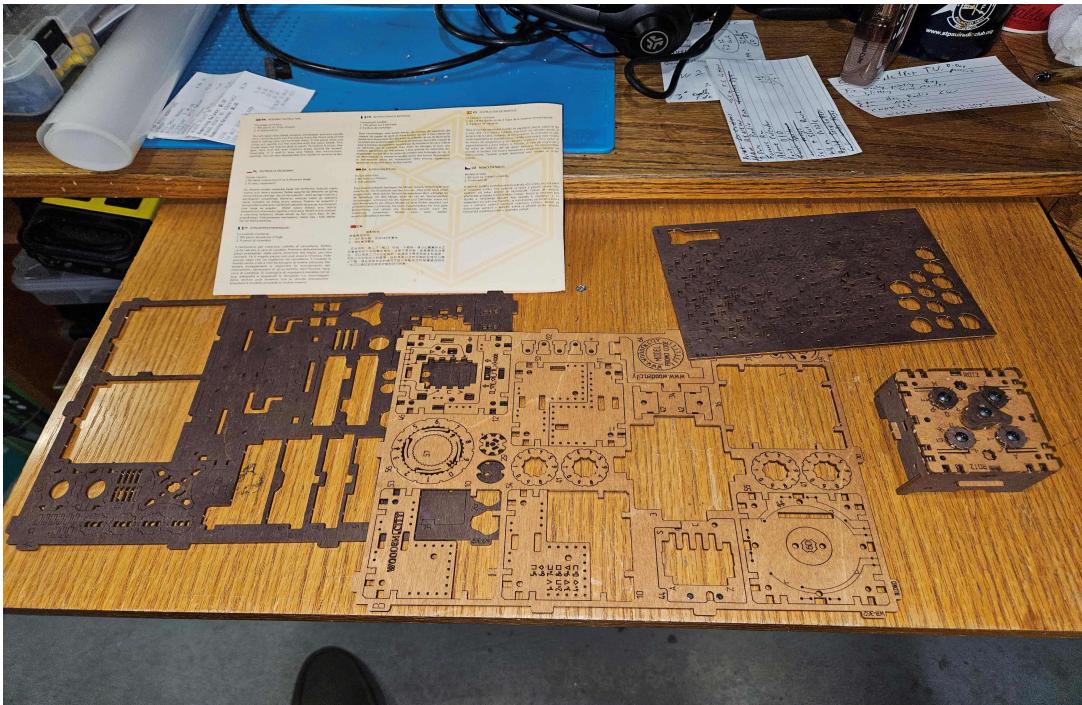
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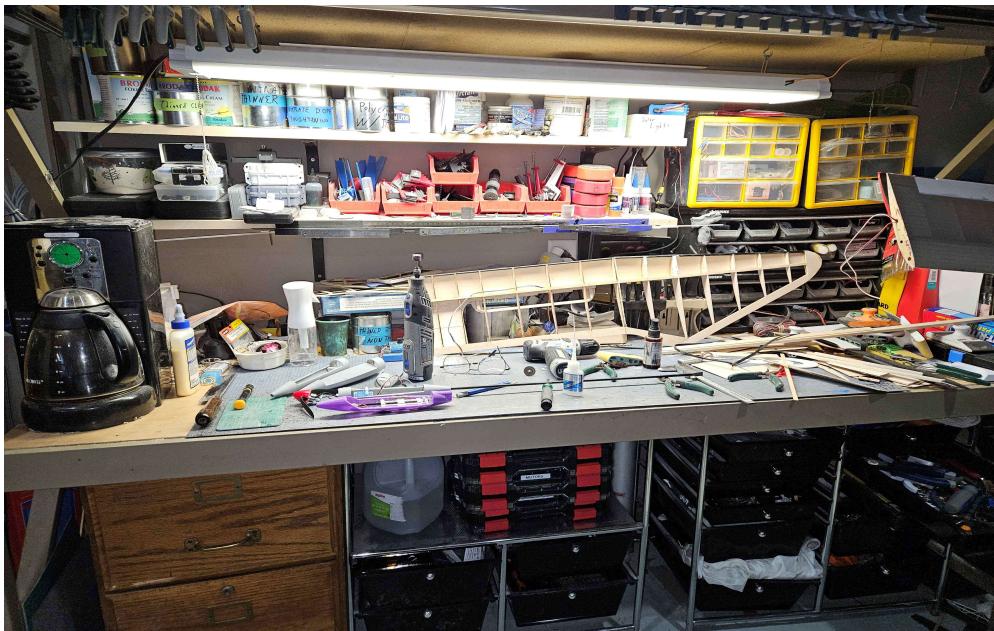
Above: Package of parts for a QMX+ ready for solder! There is really not a lot to solder here. All the SMT parts are already installed and soldered. They work GREAT!! This makes a good 2nd kit to build. It now does 160 – 6 meters, produces up to 5-6 watts and does all the modes including digital and voice (SSB). It has built in diagnostics, SWR meter, CW Decoder and lots of support for building.



Left: My new Nano VNA. It was a B-Day present from my wife. I can finally read the screen!! LOL



This was another B-Day gift. It is a wooden puzzle box that I have to build. It has been quite fun to build. I'm going to look for similar plans for these that I can cut using my laser. It locks together and needs no glue. You can see the part I have started building sitting on the lower right side. Another hobby??



The model plane work bench, totally trashed. I'm working on 3 different planes at the same time so it gets a bit messy sometimes. As I get stalled on one plane, I move to another while I wait for parts glue to dry\cure or be delivered etc. In the background is the other $\frac{1}{2}$ of the Bird of Time Wing. On the far right you can see the root edge of 110" wingspan tow-able glider and most importantly, on the far left side is my most important tool (The coffee pot!).

Holiday Potluck Photos

By Dawn Holmberg WXØZ



Top:
The initial lineup for serving table.

Left:
Holiday themed music provided
by Carl Anderson NXØB

Bottom:
George NØGCP, Tim WD9IGX and the last
few stragglers for food.



High Power Attenuators

by Scott NØAR

I ran across this article in an email. It explains something we all need in our tool kit. So here is the article with credit to the QRP Quarterly magazine:

Impedance Mollifier

Seriously, haven't there been a few times when you would like to use just *any* wire as an antenna? Without an antenna tuner? Perhaps just a clip lead? Maybe something like an old abandoned telephone wire that the Forest Service left strung through the trees a century ago? Here's a way to do that without worries. This is not a reactance conjugator, not even an impedance transmogrifier. No, this circuit just mollifies the impedance mismatch, soothes and calms it to where it is palatable to the transmitter.

The OzarkCon "Dummy Load Special" antenna (WA0ITP, in the Summer 2008 QRP Quarterly [1] Idea Exchange section) came close to this concept by incorporating a resistive dummy load in series with a 40' piece of wire. The military has sometimes used similar configurations for compromise but rapid deployment antennas. The Impedance Mollifier provides further protection and more efficient energy transfer. This is not a new concept but I've never seen anything quite this blatant. Just two parts!

Two resistors; A 25 ohm resistor in series with the transmitter output and the antenna connection, followed by a 75 ohm resistor in parallel with the antenna connection. This will limit the overall impedance mismatch to **less than 2:1 VSWR**. No matter what is (or isn't) attached to the antenna connection. If the antenna connection is a dead short then the transmitter will "see" a 25 ohm resistive load. If nothing is attached to that connection then the transmitter will be presented with a 100 ohm load. Anything attached to the antenna port will improve that match.

To accommodate these two extremes, R1 (the 25 ohm resistor) needs to be able to dissipate the full output power of the transmitter. R2 (the 75 ohm resistor) needs to be able to dissipate up to 75% of that power.

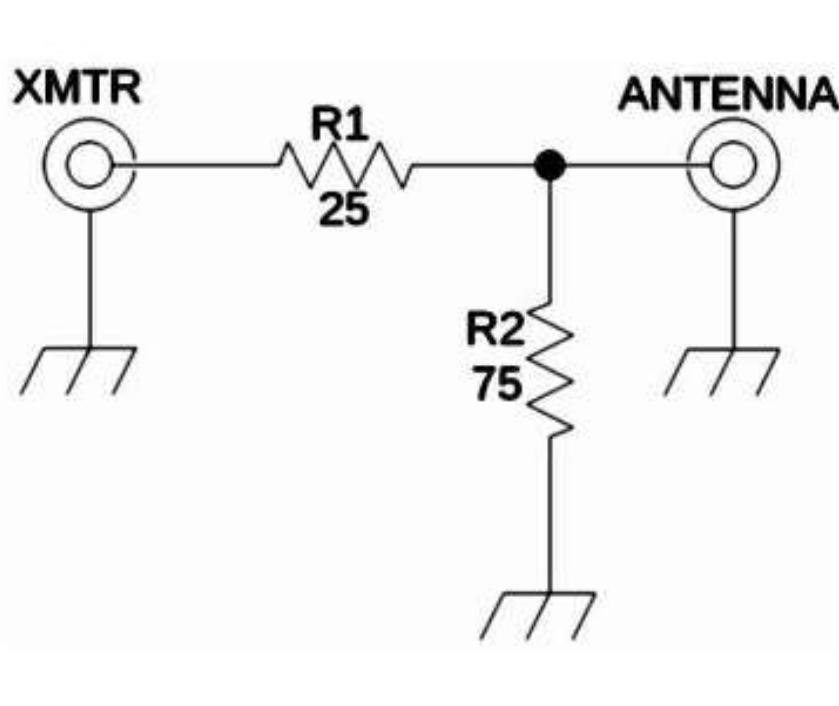
Naturally, this convenience does come at a cost. Namely, a loss of at least 4.8 dB. That means that if you attach a good antenna and apply 5 watts then 1.6 watts will be radiated. That might be noticed at the far end. Might not! The more egregious the mismatch, the worse the efficiency, but do you really care? This gadget is just to protect the transmitter while allowing anything as an antenna. No adjustments. No controls. No options. Ultra reliable. Cheap. Compact. So simple that anyone could use it without instruction.

de ND6T

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This article was published in the October 2020 issue of QRP Quarterly but mistakenly attributed to KD5KXF, the editor.

[1] QRP Quarterly is the membership magazine of the QRP Amateur Radio Club International (www.qrparci.org)



Now back to Scott:

So you have a couple of non-inductive resistors that your transmitter feeds. No matter what is connected to the "antenna" side the swr stays below 2:1, keeping the radio happy. Remember our gear likes to see a low swr to prevent damage or activating the power "fold back feature": this device does that. As for the loss? Less than two s-units! I'd say this is a reasonable trade off.

Attenuators can also be used when you are trouble shooting an antenna/coax. Having this in line allows you to wiggle and jiggle things without fear of damaging the radio.

If you'd sooner buy a completed power attenuator the on-line auction sites seem to offer up hundreds of choices. The off shore vendor sites have a multitude of choices. The only thing you want to match up is your radios output power to the attenuators rating. In an emergency I can't think of a more useful accessory. You could be on the air with DC power and a clip lead in seconds!

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Here are a couple of ham-fest specials I've had for years. The top attenuator is rated at 10 dB with a power of ten watts. The bottom is 3 dB with a rating of 20 watts. Both usable values for monkeying around with antennas or tuning an unknown.



Oh for Pete's Sake

by Pete Guldán KDØSQJ

The last measurements on ice depth is 8-10 inches on White Bear Lake and that was before all the melting and fog. It might be OK for walking or a lighter vehicle like a snowmobile or little 4 wheeler, but a big truck or SUV could mean taking the Polar Bear Plunge. I don't even want to think about that towing and repair bill. It looks like "Hams on the Ice" will be at Long Lake Regional Park in New Brighton and not on the ice this January 10th at noon. Winter Field Day this year does not conflict with the Auction because it's January 24th-25th. They allow Home, Indoor, Outdoor, and Mobile category stations. The details are at winterfieldday.org

The General Upgrade study group is about at the half way mark. If you or anyone you know would like to join our FREE study group for the Extra it will start February 8th at 2PM online on Zoom. Send me an email at kd0sqj@arrl.net if you would like to sign up. We will be using the ARRL Extra Class License Manual 13th edition, the current one with the June 30, 2028 expiration date.

I need to come up with a cool way to sign off like something about strong signals and extra gain or Live Long and Prosper or something really cool. Any Ideas?

Toodles. Pete kd0sqj.

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
2026-01-24/25	Winter Field Day
2026-01-31	SPRC auction
2026-01-31/2-1	MN Loppet https://runsignup.com/Race/MN/Minneapolis/CityofLakesLoppetWinterFestival
2026-04-10/11	Zumbro Endurance Run (100mi, 50mi, 34mi, 17mi) https://www.zumbroendurancerun.com/
2026-04-25	TCM (Get in Gear) half marathon https://www.tcmevents.org/alleventsandraces/getingear
2026-05-02	Waconia half-marathon (formerly Walk-on-Waconia) https://www.lakewaconiahalfmarathon.com/
2026-05-03	MS Twin Cities Walk (Mpls) https://events.nationalmssociety.org/index.cfm?fuseaction=donorDrive.event&eventID=2188
2026-05-09	MS Twin Cities Ride (Mpls) https://events.nationalmssociety.org/index.cfm?fuseaction=donorDrive.event&eventID=2077
2026-05-16	Superior Spring Trail Run (50k,25k,12.5k) https://www.superiorspringtrailrace.com/
2026-05-??	Headwaters Road Rally https://www.americanrallyassociation.org/headwaters
2026-05-??	Prairie Island Nuclear drill training (ARES group) https://www.mnwashcoares.net/ (see Events tab on the Washington County ARES web page)
2026-05-??	Tour de Cure (ADA) ride (Mpls) https://tour-diabetes.donordrive.com/index.cfm?
2026-06-??	Prairie Island Nuclear drill (ARES group) https://www.mnwashcoares.net/ (see Events tab on the Washington County ARES web page)
2026-06-13/14	MS-150 https://events.nationalmssociety.org/index.cfm?
2026-06-??	FreeBike bike ride (aka MN Ironman) (Shakopee) https://thefreebike.org/
2026-06-27/28	FIELD DAY (setup on the 26th)

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2026-07-04	Afton Trail Run (Rocksteady Running) (50km, 25km) https://www.aftontrailrun.com/
2026-07-??	Tour of Saints ride (St. Joseph) https://www.bikemn.org/all-events/tour-of-saints/
2026-07-27/31	MS-TRAM (22-26)
2026-07-26	Richfield Urban Wildland marathon https://www.richfieldmn.gov/around_town/wood_lake_nature_center/urban_wildland_half_marathon_and_5k/index.php
2026-08-??NR	Tour de Tonka (Orono) https://www.minnetonkaschools.org/district/mcec/events/tour-de-tonka
2026-08-7/??	Gaylord Eggstravaganza https://www.exploregaylord.org/chamber-of-commerce/eggstravaganza-2-2/
2026-08-27/29	Ojibwe Forests Rally (Park Rapids) https://www.americanrallyassociation.org/ojibwe
2026-09-11/12	Superior Fall Trail Race (100mi,50mi, 26.2mi) https://www.superiorfalltrailrace.com/
2026-09-??	River Falls Autumn Trek https://www.rivervalleytrails.org/autumn-trek/
2026-10-04	Twin City Marathon (Mpls) https://www.tcmevents.org/alleventsandraces/medtronictwincitiesmarathonweekend
2026-10-??	North Star Radio Convention https://northstarradio.org/
2026-10-??	Belle Plaine half-marathon https://belleplainefestivals.org/event/scenic-byway-half-marathon/
2026-10-??/??	Mankato Marathon https://www.mankatomarathon.com/
2026-12-056	Nemadji Forest Rally (Kerrick) https://www.americanrallyassociation.org/nemadji-trail
2026-12-?	Arlington "Arlidazzle" https://www.arlidazzle.com/schedule/

Thank you very much for helping!

222 MHz Repeaters Verified to be on the Air

By Ralph Bierbaum NØAWN

Location	RX	TX	Tone	Notes
Saint Paul	223.900	223.300	100.0 Hz	
Arden Hills	223.940	222.340	100.0 Hz	Near I-694 and MN 51
Falcon Heights	223.980	222.380	114.8 Hz	Near state fairground
Col. Heights	224.500	222.900	114.8 Hz	
Burnsville	224.540	222.940	100.0 Hz	
Paynesville	224.800	223.200	D172 DCS	Audible only when band is up.
Ham Lake	224.820	223.220	100.0 Hz	175 foot tower near city hall.

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/> They 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 at 817-602-1834.

Saint Paul Radio Club
Hereinafter referred to as "SPRC"
Board Meeting Minutes
12-05-2025

Board members present: (If * or E or R)

Dale Maroushek (Pres.)-NØPEY *	Kevin Welna (V. Pres.)-W5LNA *
Art Thell (Secy.)-NØIWQ *	George Power- (Treas.)-KØGCP *
Br. Bob Walsh-WCØJ *	Don Kelly-WA6ZMT R
Ralph Bierbaum-(P. Pres.)-NØAWN *	

Also present (If * or R):

Jay Maher-NJØM *	Jeff Iverson-WB9DAN	Dan Meyer-NØKFB *
Pete Guldan-KDØSQJ	John Crabtree-KCØG	Ben Otto-KEØRFZ
Janet Bierbaum KDØBZZ *	Dawn Holmberg WXØZ *	Steven Scott-WA7HPK
Andy Parent-KFØMJQ	Doug Lueck KØDLX	

6:14 Pres. Dale called the meeting to order.

President: Call for added agenda items: _____

Old Business:

Secretary's Report:

Move to accept Minutes as published in the Ground Wave: George, Second: Kevin, Passed

Treasurer's report: George

General Fund: \$5311.49, Repeater Fund: \$1371.09, Education Fund: \$931.06,

Total Bank Cash on Hand: \$7613.64. Pay Pal Acct.: \$20.00

Expenses: Liability Insurance: \$200.00

So noted and filed: Secretary

CDH ARC Report: Br. Bob No change

Repeater Report: Dale: Working fine

Membership Report: Dale, 64

Website report: (stpaulradioclub.org) Ok.

VE Report: None

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Auction (January 31):

Dale reported that Tim Burd, WD9IGX has agreed to take over the position of Chairman for the 2026 Auction. Dale indicated he would be around for consult.

The Auction Committee is in the process of reviewing the rules and operating procedures.

Training Report: Pete (Reminder--Copied from Nov.)

General Class start Dec. 7, 2:00 PM Online, 8 weeks. (2) current students.

Extra Class begin on Feb.1. Duration 12 weeks.

Dan Kionne, K9ALV:

Needs some help with removing equipment from the home of KC0URL in Crystal. Quite a bit of stuff for club donation. Suggestion was to take it to CDH for the Auction.

He also reported that the Scouts are having a Radio Merit Badge session downtown on the weekend of Dec. 13-14. They will be on the air at 28.310 from 12:00 noon to 3:30 CST. Also on the 146.850 Repeater. Please look for them on both.

New Business:

Field Day 2026:

Pete reported that we are cleared to use Benson's Airport again in 2026.

Club Breakfast: December 20. at 9:00 AM. (Normally third Saturday)

Place—Denny's at 1664 University Ave. W.—Across from the AxMan

Adjourn:

Move: Art Second: Kevin Passed

7:00: Adjourn.

**Saint Paul Radio Club
Hereinafter referred to as "SPRC"
Member Meeting Minutes
12-05-2025**

7:20 Call to order by Pres. Dale.

35 Members present plus Remote.

President call for other agenda items_____

Old Business:

Treasurer's Report,

General Fund: \$5311.49, Repeater Fund: \$1371.09, Education Fund: \$931.06,

Total Bank Cash on Hand: \$7613.64. Pay Pal Acct.: \$20.00

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Training Report, Pete: (Reminder—copied from November).
General Class start Dec. 7, 2:00 PM Online, 8 weeks. (2) current students.
Extra Class begin on Feb.1. Duration 12 weeks.

Auction: January 31.

Have auctioneers and runners.

Committee is reviewing rules and procedures.

Need help for Set up: Jan. 23, 3:00 PM.

Field Day: Have permission to use Benson's Airport again this year.

Open volunteer positions report:

New Business:

Other operating events: (Need not be Board-initiated)

Club Breakfast: Normally Third Saturday--- December 20 at 9:00 AM.

Place: Denny's at 1664 University Ave. Across from the AxMan.

Motion to adjourn: Art Second: Kevin Passed

Adjourn: 7:40

Christmas/holiday party to follow:

SPRC Contact Information

President	Maroushek, Dale NØPEY	nOpey@comcast.net	651-238-5720
Vice President	Welna, Kevin W5LNA	kwelna@gmail.com	651-354-5515
Past President	Bierbaum, Ralph NØAWN	rwbierbaum@comcast.net	612-201-9510
Treasurer	Power, George KØGCP	georgecpower@gmail.com	651-233-3215
Secretary	Thell, Art NØIWQ	thellaj@comcast.net	651-492-0254
Member At-Large	Kelly, Don WA6ZMT	dk@donkelly.biz	651-276-4838
Member At-Large	Walsh, Bob WCØJ	brw.fsc@gmail.com	612-201-0818
Ground Wave Editor	Meyer, Dan NØKFB	dan@meyer-family.net	763-238-8239

SPRC Calendar

Fri Jan 2 6PM SPRC Board meeting, Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School. *

Fri Jan 2 7PM Membership meeting followed by Holiday Party Commons Mtg Rm, John R. Albers Center, Cretin-Derham Hall High School.

Sat Jan 3 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 Ralph Bierbaum N0AWN, Telephone 651-201-9510 or e-mail rwbierbaum@comcast.net

Sat Jan 17 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Sat Jan 31 8:30 AM – Noonish. SPRC Auction. Commons Mtg Room, John R. Albers Center, Cretin-Derham Hall High School.

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

Fri Feb 7 7PM Membership meeting followed by Holiday Party Commons Mtg Rm, John R. Albers Center, Cretin-Derham Hall High School.

Sat Feb 8 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 Ralph Bierbaum N0AWN, Telephone 651-201-9510 or e-mail rwbierbaum@comcast.net

Sat Feb 21 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Sat Feb 28 9AM-1PM St. Cloud ARC Cabin Fever Reliever Hamfest 2026. St. Cloud Armory, 1710 Veteran's Drive, St. Cloud, MN 56303

2026 All yr ARRL "America 250" WAS award.
See Jan 2026 QST Page 76 for details.

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

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>

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/u/kuWkJhGiz>