

 <p>www.arrl.org</p>		<p><b>Saint Paul Radio Club</b>  <b>Ground Wave</b></p> <p><i>Dan Meyer, NØKFB, Editor</i>  <i>Dale Maroushek, NØPEY, Publisher</i>  <a href="http://www.stpaulradioclub.org/">http://www.stpaulradioclub.org/</a></p>	<p><b>KØAGF</b></p> <p>Club Repeaters:  145.310 MHz,  442.450 MHz  Both use a 114.8 Hz  tone  PO Box 9375  North St. Paul, MN  55109</p>
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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 MARCH 2026** **Volume 86, Issue 4**

**NEXT MEETING: Friday April 3<sup>rd</sup>, 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**

Our April meeting will be a two-part program.

First Bob Parnell, NØKLC will present a brief history of computers, how they work and how the internet works. Then he will turn it over to his son, Doug Parnell.

Doug is a 5-year Journeyman Technician at Matrix-NDI in Minneapolis, currently acting as a superintendent at the Applied Digital Campus in Ellendale, ND (65 miles south of Jamestown, ND). This is one of the largest data centers being constructed in the country. He is a second-generation self-taught voice and data tech with multiple certifications on different products, a NICET certification and also a licensed power-limited technician through the State of Minnesota, all without formal schooling.

Doug will discuss the enormity of the project, and will have some fiber samples to demonstrate jack terminations. He is unable to bring a fiber splicer because they are all in use all weekend. (... and they cost \$40K each!).

See you there!

## Dale's Details by Dale Maroushek NØPEY

April already and you know what that means, Income Tax is due. I'm usually a late filer, I like a little pressure getting things done. I've been a Turbo Tax user for many years now, and I will try using them again. If you go through the interview method, it asks questions about everything in the tax laws, then does reviews for corrections until you get it right.

We had a very good March meeting with two great demonstrations of code keys and microphones. We are looking forward to hearing about fiber wire communications this month. Bob, NØKLC, has a son in that business and will demonstrate how connections are made.

We will be looking for reports from those who attended either the breakfast or the Madness fest. I missed them, getting tied up with visiting college granddaughter and the family. We had a nice day ending up at Red Robin for lunsup. You know, since breakfast and lunch become brunch, lunch and supper must be lunsup. Grandson will be graduating from Champlin Park in June with another concert before that. He plays alto and tenor sax and tuba too.

My older granddaughter is staying with us for a while, and she came in with two cats. So now we are feeding and tending to five cats. After a week they are getting along very well. Coming up this month, we will also be minding the dog, Jose, while the other kids go out of state. The house will be hopping for that week.

I mentioned this HF net last meeting and on our nets. Here is the brief description and you can find all the info at hfqso.com. Find out how your station is doing in both RX and TX from many directions in one call. It's a good way to spend a slow afternoon.

**HF ACTIVITY GROUP ? Who hears me?** Join our friendly group of Amateur radio operators dedicated to studying and enjoying radio wave propagation. We connect daily on multiple bands. 17/15/12/10 ! There's no need to log contacts or share extensive details—just keep it simple. We have moderators on each band, spot yourself using the form on this page. Full instructions at the "Learn More" link below. Announce your callsign twice and ask, "Who hears me?" You will receive reports from all over the USA and some international stations.

I need to check the mailbox and update the database with all the new members, continual members and new VE members. Then I can distribute it to the Board, after I make the bank deposit. It is nice to see a couple of younger new people with high interest in learning about radio. Please help them if they have questions or need more information sources.

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Tom and the gang continue to make improvements on the website, which is now named [saintpaulradioclub.org](http://saintpaulradioclub.org), still connects from the old one too. He will be finishing up the members only password protected page soon, then explaining how it works to us. Do check out the members' activity page where you can tell or ask about something you are working on or have completed. Tom and I are the only ones posting stuff in there now, but you can see my big spring dismantle and rebuilding my station process. No dates set yet, but I will be needing helpers on the ground and in the air. We do the outside stuff first, then get some new radio gear to top it off. Which means more older gear to sell at the auction next January.

Speaking of the auction profit, we sent the ARRL another \$1600 to the Spectrum Defense Fund this year. Good to see, we have not lost anymore spectrum lately and even gained a few.

Three months until Field Day, our biggest event. Preliminary plans are in process with some of the usual suspects doing what they do best. Contact Pete KDØSQJ, [kd0sqj@arrl.net](mailto:kd0sqj@arrl.net) if you are interested in chairing or helping with any of the many FD activities. Chairs are the glue that keeps things going properly. Making sure all that is needed for their section be ready and working by 1300 local time on Saturday June 27<sup>th</sup>, and making it all disappear by 1600 on Sunday the 28<sup>th</sup>. Funny how it takes 8 to 10 hours to set it up and only 3 hours to take it down. A primary part of FD will be missing this year, Ron, KØRJW is now in MI and won't be making the trip back. His unstoppable labor will not be available. He also usually brought the tower trailer from Lakeland and back. We will need a vehicle and driver to do that this year. His capital portion, and maybe another, are available to anyone interested. It would be great to have it back in town and parked in someone's backyard. If interested contact Ron via e-mail at [walkinshawr@yahoo.com](mailto:walkinshawr@yahoo.com). Along with that, the remaining MARC gear is still waiting for buyers. The large stuff, two towers, assorted HF VHF UHF beams and lots of other stuff, is still available. I'll check with Dave WAØRKE, to see if he has plans on how to get the sales going again and report it at the meeting.

April is the traditional month to announce the Clubs Ham of the Year, or HOTY certificate, which was usually at the Banquet. No banquets anymore so the Board will hold a vote and present the award at this meeting.

Still looking for my Presidential replacement coming up in the May elections!

Can't think of anything else for now.

Dale Maroushek, NØPEY, President again 73

## Ramblings from the VP's Work Bench by Kevin Welna W5LNA

Its the middle of March as I start this and there is a foot of snow on the ground... Of course that is after enjoying a 60+ degree day less than a week ago; "Minnesota, you can't win. You can't break even. Nor can you quit the game..." Snow sucks.

The trip down south is in full planning mode. The car is ready and we have stops (More or Less) picked out both ways. Alas, Dollywood is not on the list of stops. (It seems to be closed with no opening date listed on the website.) We have been to Graceland a couple times so no need to go again. This will be our first big trip with the new RV and towing a car. This will be interesting and I am curious as to what kind of mileage I will get. This trip is also going to determine if we will start doing a snowbird run each winter. I'm hoping it does and we start leaving for a warmer climate each winter. But you never know. (Quick update, Dollywood is back open and on the trip itinerary!)

OK, On to whats going on in the shack\shop.

Ham stuff:

Well, firstly, I have FINALLY started on the QRP Labs QCX 10 meter transceiver. Building a third QRP kit is definitely going smoother than the last 2. Not that they were hard or overly complicated. I think it just that I am more confident and more relaxed while soldering this time around. I even think my soldering is getting better! I am building it in parallel with Mike W8AO (Formerly KFØVUO). Mike is building a 20m QCX and just to cast a little shame on all of you, he has only been a ham for about 3 months. So, what are you doing that is hard core Ham related..... Well???? Since I am "Kit Bashing" the QCX (It was a 20 meter kit and I am turning into a 10 meter rig), of course I need to change a few of the components... Hello Amazon!. Mike has surged ahead of me on construction of his radio as I am now waiting for my parts to show up. So far he has had little to no issue on building. Good on you Mike! We should both be done and have them "tuned up\optimized" and on the air in a week or two.

I never did get the Heath Kit radios up and running; I guess that will have to wait till next fall\winter. I'm a bit sad that I never found\made the time to try and get them up and running, maybe by next winter? By then, I should have the Hexbeam up and working!

Ah yes, the Hexbeam antenna, I still have not started refinishing the Hex Beam. It's right where I left it last fall! I really want to get it up and running ASAP. But again, 12" of snow is telling me to hold off a bit longer. God I hate snow.

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I'm actually getting 30 minutes of CW\Morse Code practice in on a daily basis! Mostly I am listening to 1-5 letter words at 21 wpm and a Farnsworth of 12wpm with a 2 second delay between words for recognition time. I'm hitting about 80%, so its time to speed things up. According to my last CW OPS instructor, you want about a 50% success\failure rate to force you to learn and improve your ICR (Instant Character Recognition) and speed. Its hard to do as running a 50% failure rate make you feel like you are failing in general. I guess I just have to put on my big boy pants and suck it up!

I think there was a discussion on the Insomniac Net the other night where Pete (KDØSQJ) mentioned trying to come up with a building project for the MN-ARTS Build-a-Thon. I suggested a small simple DIY Oscilloscope. They can be had for under \$30 on Amazon. They look very straightforward to build and it looks like there is ample room between parts for "easy" soldering. The more I think about it, the more I want to build one!!! I do have a big fancy O-Scope, but I think this might be a handy, and quite portable piece of test equipment that might come in handy at times. If you are planning or even thinking about attending the MN-ARTS Build-a-Thon, this would be a great project! Check them out!

Speaking of building, I read an article in the latest QRP Quarterly magazine about a "very compromised 20m antenna". It has a base coil and about a 4' collapsible whip antenna. The coil form was 3D printed. I thought that looked to be an interesting antenna and would cost next to nothing to build, so I did. As I have said many times before, I am easily distracted... Anyway, I found a similar coil form on line ( <https://www.printables.com/model/1356903-st-louis-pota-20-antenna> ). Printed it out, bought a couple collapsible antennas from China and some Stainless steel hardware from Amazon. For about \$10, I now have yet another POTA antenna... Of course after it was built, I thought: I could make the coil adjustable by sanding off the lacquer insulation from coil wire on one side and adding a tuning ring and make my own adjustable antenna like the Wolf River Coil antenna. Then I thought I could add an acme screw set up and a stepper motor to make it remotely tuned (think screwdriver antenna)... Now you know how my mind works!! In any case that may be a project for next winter. If I remember...

Finally, now I know I've said it before, but this year I really am hoping to get out at least once and activate a park for some POTA action! The go box is ready, I have a new Nano VNA (one where I can actually read the screen) and a couple of different antennas and I should have a number of QRP radios ready to go!

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On the plane bench:

I'm wrapping up the planes that I started back in December and they should all be ready for summer fun. I'm trying out some new\different finishing techniques and these techniques seem to be working. Another plus is there are days when I will have to wait for things to dry\cure so when that happens I get a few hours of time on the torch and melt some glass. After a 5 year hiatus, I am quite rusty but it is coming back to me, albeit slowly. The big wait is for the weather to warm up enough so I can go out and prime, sand and paint. With all the snow on the ground, it will be a week or two before it can get warm enough to paint. Did I mention that I am not a fan of snow??

As I stated before, I received permission to use one of the large multi soccer field Recreation areas located here in Cottage Grove so I am thinking it will be a good year for flying. To that end, 3 of the motor gliders I have recently finished are designed for small field flying. Again, if it weren't for the snow, I probably would have been out flying and crashing (or as we like to call it "re-kitted" by now... Hmm, maybe snow ain't all that bad as the planes are all still in one piece... Nope, Snow Bad.

Speaking of planes, I have decided my summer plane project will be modifying an old Midwest Models P-63 Control line plane into a slope soaring glider. I had one of these literally 50 years ago as a control line plane that I crashed on takeoff!! (It was a total re-kit of the aircraft!!!!) It's time to redeem myself!! It has a 48" wing span and a big fat airfoil so it should fly slow. (I can no longer do the high speed stuff anymore. I no longer have the requisite reflexes required to tear up the sky!) At least there won't be any snow...

The glass bench is up and running, and I am slowly getting back into lamp working glass. After my multiyear hiatus, I find I am quite rusty and in need of a lot more practice. On a side note, on our spring road trip, we are stopping in IL at a hot glass studio and taking a class on glass slumping. Slumping is the process of laying pieces of glass onto base sheet of glass in a specific pattern and then placing this on a "negative" mold. You then put the entire thing in a kiln crank up the heat so that the glass will melt together and "sag\slump" into the negative mold to give it a specific shape like a plate or a shallow tray. The trick here is to get it just hot enough to fuse together and sag but not so hot that it turns onto a blob of nothing... What's cool here, is you can use ground up glass (called frit) of various colors and coarseness (from chunks to powder) and "paint" a design\picture on the base sheet of glass by placing, sprinkling, sifting and pouring the ground glass onto the base glass and again slump it into something cool... Well that's the hope anyway... I am hoping to be back up to speed by fall so I can also make glass icicle tree ornaments and glass straws for Christmas presents. Unfortunately, that does mean there will probably be snow on the ground. Stupid, Stupid Stupid snow. Anyway, first I have to finish up that which has already been started.

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I promised myself that if I'm not flying or swimming this summer, I'll be either shooting Skeet or Steel\USPSA. A friend of mine Paul (KEØQXV) is newly retired and has offered to join me out at the range so I have a shooting\lunch buddy! I'm not sure what I like more, busting clays or talking smart and solving the words problems over a Burger\Bibimbap (sp?) or Clubhouse Sandwich. I think\hope its going to be a great summer.

I have arranged for the pool to be re-opened late April\early May. Fingers crossed I can have it up to temp before Memorial day. Again I can hardly wait to go for a swim... Stupid snow... Do you get the feeling there is a theme for this months article?

Well, I think that's it for now.

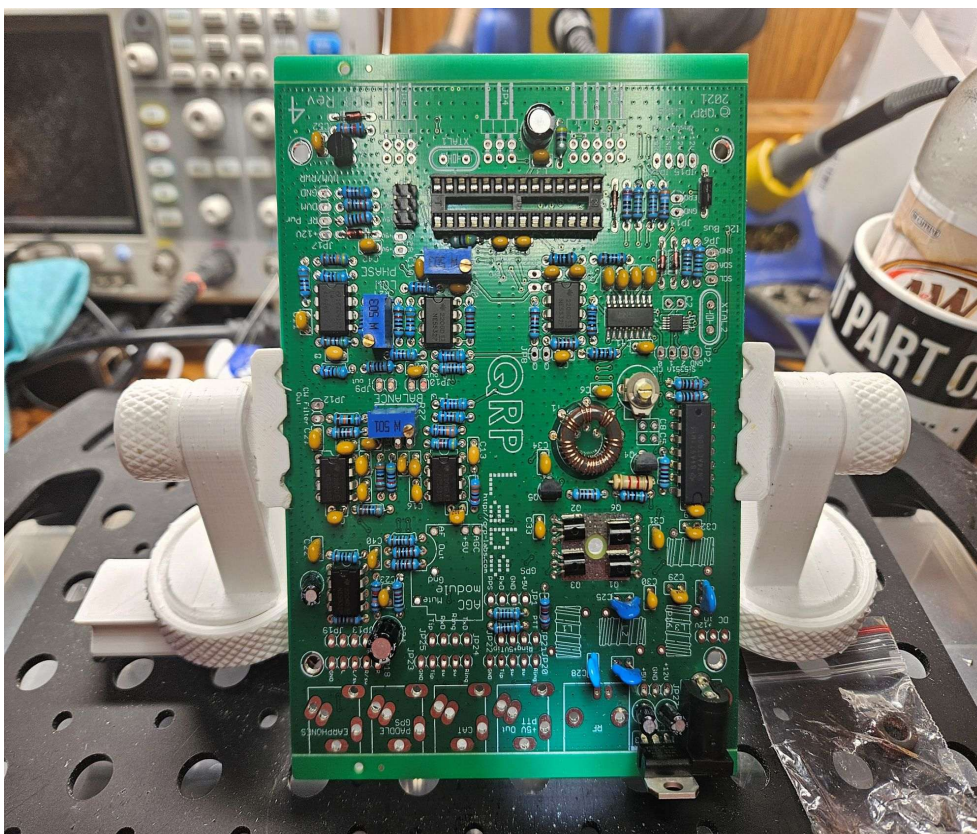
As usual

May your signals be strong and your antennas have extra gain. 73

Kevin - W5LNA [kwelna@gmail.com](mailto:kwelna@gmail.com)

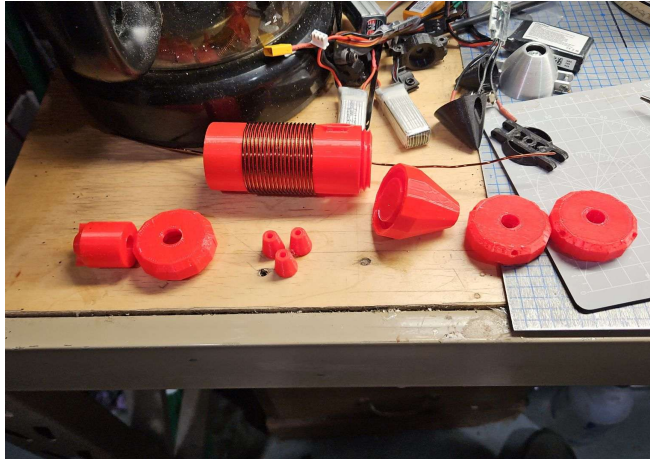
Now for something completely different: A few pics for your entertainment.

Here is the QCX partially completed. The blue capacitors are the replacement caps to change the radio from 20m to 10m. Again this is a very easy radio to build and it works great!!



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## Parts for the 3D printed table top 20m antenna



The table top QRP antenna.

By the way, it can be fine tuned by extending or collapsing the whip antenna down to about a 1.1 to 1 swr. Now the question is: Does it work!??



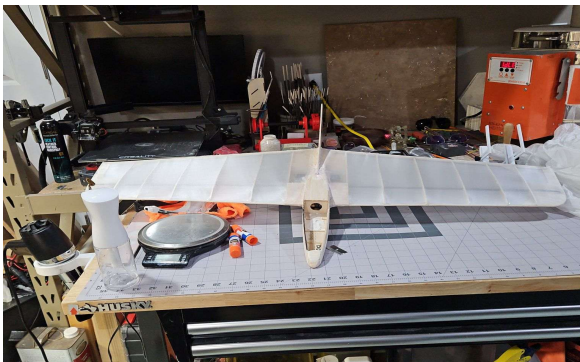
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3 of the 5 that are now ready to go! These are the smaller 1 meter or less planes I built for flying at the Cottage Grove Park. They each weigh in at about 6-7 oz fully loaded with motor and battery.



Plane #4: Here I tried a new finishing technique. The wing is covered in silk, then dyed with water based dye and finally sealed with nitrate dope. It came out as I had expected so I am quite happy with the results and of course I now have additional ideas on how I want the next one to look.

Before:

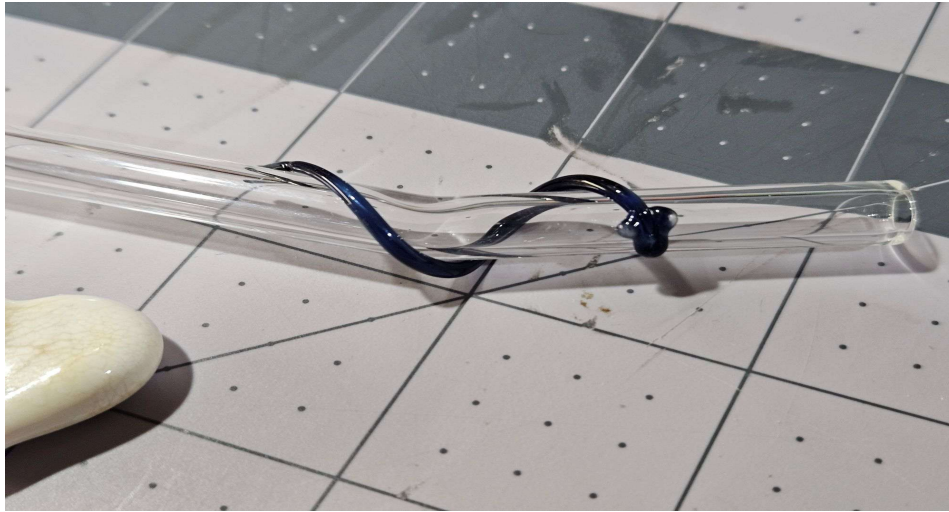


After:



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A little bit of glass work. For size reference, the grid squares are 1" by 1":  
My first attempt at a glass straw. You can see where the tube distorted when being bent, I need to pressurize the glass tube to prevent this. Parts to do this are on order!



A few glass hearts:



And finally, some Beads:



## Numbers Stations! by Scott NØAR

As the conflict in Iran continues the resurgence of number station broadcasts have once again been reported in the news. For those of you that don't know what these are, it is assumed to be governments sending secret encoded messages to their spies in other countries. Maybe it's true, maybe it isn't. In any case it makes for some great speculation and offers a wonderful opportunity to catch some rare DX on the shortwave bands.

I first ran across numbers stations as a young SWL in the 60's. It was great practice learning Spanish or morse code numbers. The stations would send groups of letters or numbers for hours at a time. My old Hallicrafters S-120 had a good workout with the various stations. (Ok, this dates to the pre-1970's)

You really should take a listen now to the frequencies given. With the modern transmission formats available hearing an old school broadcasts is now a rare event.

Here's a few links that might get help you get started.

<https://www.numbers-stations.com/articles/number-stations-listener-starter-guide/>

<https://www.wired.com/story/a-mysterious-numbers-station-is-broadcasting-through-the-iran-war/>

<https://www.facebook.com/reel/1610318150179923>

<https://www.facebook.com/share/v/1Ec86mk8rM/>

If you put the Google to work, you will find almost countless sites with intel on this aspect of the radio hobby. Be careful though it's a dark deep rabbit hole.

73 Scott

## VE Report by Steve Scott WA7HPK

Last month's (March) VE exams would be my first full session since going on a medical hiatus last October. It almost ended in disaster. We wound up with 10 candidates requesting to get or upgrade their licenses. I had just gotten into my car and was backing out of the driveway when Terry NØGOI called. Hadn't even plugged my phone into the Android Auto USB cable connection so it was ringing via my hearing aides. I thought, "Great – now how do I answer this?" Focusing on answering Terry's call, I almost sideswiped the passenger side outside mirror off on the large PODS container box sitting on our driveway. I fortunately stopped and got the phone cooperating. Terry said another group from the church had reserved the large rooms upstairs that morning which would push us downstairs with limited seating and lighting...

At any rate, our VE team did a great job helping to quickly set up the downstairs area and kept both candidates and paperwork flowing with precision. Eleven VE's assisted: Carl Anderson NXØB; Leon Dill WØCOE; Scott Holisky NØAR; Ted Kinnear KDØNPJ; Dale Maroushek NØPEY; Gregory Merth KCØRET; Paul 'Shep' Shepardson NØNMZ; Curtis Trout ACØCT; Arthur Walsh KFØNYX and John Wilcox WØJTW. This is amazing. I've heard instances where other clubs schedule an in-person exam, have the candidates show up but have to cancel as they couldn't get the minimum of 3 VE's to show. We are blessed!

Nine candidates (the 10<sup>th</sup> did notify me of his sudden unavailability) arrived and all successfully got their intended licenses/upgrades. Please welcome our new Technician licensees: Ryan Davies (Minneapolis) KFØWQQ; Julian Ernst (Saint Paul) KFØWRK; Austin Holiday (Minneapolis) KFØWRV; Joeseph Myer (Saint Paul) KFØWRO and Larry Waite (Stillwater) KFØWRL.

Gaining the General class were Aaron Call (Saint Paul) KFØWIU; John Krause (Burnsville) KØJVK and Jestin Stoffle (Roseville) KFØVZY. Our newest Extra is Charles 'Chaz' Nove (Minneapolis) KFØWNO. Update: John Krause passed his Extra exam at the Buffalo Midwinter Madness event.

ExamTools Progress: ARRL has mandated all VE teams transition from paper-based exams to electronic means in 2026. The software designated to administer this process is the ExamTools portfolio under HamStudy.org. Step one is for ALL current VE's to register their VE credentials. I had done so a while back but the system didn't recognize me as a required admin. A note to ARRL VEC got that corrected. There is a slew of documentation and FAQs on <https://docs.exam.tools/docs/>.

Steve Scott  
WA7HPK

## **Oh, for Pete's Sake!!! by Pete Guldán KDØSQJ**

Mark your Calendars so you don't have to fire up your DeLorean, Field Day is June 27-28 Benson Airport 5860 US61 N White Bear Lake MN

No major changes, we've got a good crew but could use a few extra helpers in certain areas. We could use 1 or 2 food helpers especially for Saturday supper. Thanks to Dan we beefed up the GOTA tent. We get extra bonus points for kids under 18 making a contact so if you know anyone with kids set up a time via email [k9alv@arrl.net](mailto:k9alv@arrl.net) . If you've never been to Field Day it's the largest on the air operating event in North America, so it's kind of a big deal. I hope to see you there.

The Extra study group is winding down and we should have some news soon about some upgrades. If you would like to upgrade your license and were not yet able to do so I have several resources to help. Otherwise plan to join the next study group for General in November and Extra early next year.

Toodles!!!73 Pete [kd0sqj@arrl.net](mailto:kd0sqj@arrl.net)



**AMATEUR RADIO**  
**FD**  **26**  
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## March Meeting Photos By Dawn Holmberg WXØZ

Clockwise from right: A “Blue Racer” Vibroplex ‘bug’; examining John Berlund KØUBA’s CW keys; Dean KØWRT and Ashley calling numbers for the door prizes; John KØUBA showing a prized CW key; Bob Parnell NØKLC telling us about his microphone collection; the one he is holding is the same model as the musical group Abba used.



## 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
2026-04-10/11	<b>Zumbro Endurance Run</b> (100mi, 50mi, 34mi, 17mi) <a href="https://www.zumbroendurancerun.com/">https://www.zumbroendurancerun.com/</a>
2026-04-12	<b>NEW Goldy's Run</b> (10M, 10K, 5K, Kids Run etc.) <a href="https://www.goldysrun.com">https://www.goldysrun.com</a> or Mike Cofrin <mike@mnrnseries.com>
2026-04-25	<b>TCM (Get in Gear) half marathon</b> <a href="https://www.tcmevents.org/allevantsandraces/getingear">https://www.tcmevents.org/allevantsandraces/getingear</a>
2026-05-02	<b>Waconia half-marathon</b> <a href="https://www.lakewaconiahalfmarathon.com/">https://www.lakewaconiahalfmarathon.com/</a>
2026-05-03	<b>MS Twin Cities Walk</b> (Mpls) <a href="https://events.nationalmssociety.org/2629">https://events.nationalmssociety.org/2629</a>
2026-05-09	<b>MS Twin Cities Ride</b> (Mpls) <a href="https://events.nationalmssociety.org/2503">https://events.nationalmssociety.org/2503</a>
2026-05-16	<b>Superior Spring Trail Run</b> (50k,25k,12.5k) <a href="https://www.superiorspringtrailrace.com/">https://www.superiorspringtrailrace.com/</a>
2026-05-16	<b>Headwaters Road Rally</b> <a href="https://www.americanrallyassociation.org/headwaters">https://www.americanrallyassociation.org/headwaters</a>
2026-05-??	<b>Prairie Island Nuclear drill training</b> (ARES group) <a href="https://www.mnwashcoares.net/">https://www.mnwashcoares.net/</a> (see Events tab on the Washington County ARES web page)
2026-05-30	<b>Tour de Cure (ADA) ride</b> (Mpls) <a href="https://tour.diabetes.org/735">https://tour.diabetes.org/735</a>
2026-06-06	<b>NEW Mightyssippi</b> 10M & relay <a href="https://www.minnesotarunningseries.com/mightyssippi">https://www.minnesotarunningseries.com/mightyssippi</a>
2026-06-??	<b>Prairie Island Nuclear drill</b> (ARES group) <a href="https://www.mnwashcoares.net/">https://www.mnwashcoares.net/</a> (see Events tab on the Washington County ARES web page)
2026-06-13/14	<b>MS-150</b> <a href="https://events.nationalmssociety.org/2740">https://events.nationalmssociety.org/2740</a>
2026-06-??	<b>FreeBike bike ride</b> (aka MN Ironman) (Shakopee) <a href="https://thefreebike.org/">https://thefreebike.org/</a>
2026-06-27/28	<b>FIELD DAY</b> ( <i>setup on the 26th</i> )
2026-07-04	<b>Afton Trail Run</b> (Rocksteady Running) (50km, 25km) <a href="https://www.aftontrailrun.com/">https://www.aftontrailrun.com/</a>
2026/07/04	<b>NEW Stars &amp; Strides</b> (10K, 5K, Kids Run) <a href="https://www.minnesotarunningseries.com/starsandstridesminneapolis">https://www.minnesotarunningseries.com/starsandstridesminneapolis</a>
2026-07-??	<b>Tour of Saints</b> ride (St. Joseph) <a href="https://www.bikemn.org/all-events/tour-of-saints/">https://www.bikemn.org/all-events/tour-of-saints/</a>

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- 2026-07-27/31 **MS-TRAM** (22-26)  
<https://events.nationalmssociety.org/2665>
- 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](https://www.richfieldmn.gov/around_town/wood_lake_nature_center/urban_wildland_half_marathon_and_5k/index.php)
- 2026-08-01 **Tour de Tonka** (Orono)  
<https://www.minnetonkaschools.org/district/mcec/events/tour-de-tonka>
- 2026-08-06/08 **Gaylord Eggstravaganza**  
<https://www.exploregaylord.org/chamber-of-commerce/eggstravaganza-2-2/>
- 2026/08/15 **NEW RBC Race for the Kids** (10m, 5m, 3m & Kids run)  
<https://www.rbcraceforthekidsmn.com/>
- 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/>
- 2026-09-12 **NEW Elm Creek half marathon**  
<https://www.minnesotarunningseries.com/elm-creek-half>
- 2026-09-?? **River Falls Autumn Trek**  
<https://www.rivervalleytrails.org/autumn-trek/>
- 2026-09-26 **NEW Green Isle Heritage Festival**  
*More information next month*
- 2026-10-04 **Twin City Marathon** (Mpls)  
<https://www.tcmevents.org/allevantsandraces/medtronictwincitiesmarathonweekend>
- 2026-10-10 **North Star Radio Convention**  
<https://northstarradio.org/>
- 2026-10-?? **Belle Plaine half-marathon**  
<https://belleplainefestivals.org/event/scenic-byway-half-marathon/>
- 2026-10-16/17 **Mankato Marathon**  
<https://www.mankatomarathon.com/>
- 2026-10-31 **NEW Minneapolis Half Marathon**  
<https://www.minnesotarunningseries.com/minneapolis-halloween-half>
- 2026-10-31 **NEW Anoka Gray Ghost** (5K, 1m)  
<https://www.minnesotarunningseries.com/anoka-gray-ghost>
- 2026-11-26 **NEW Turkey Trot** - St. Paul (10k, 6K)  
<https://www.minnesotarunningseries.com/turkey-trot-st-paul>
- 2026-12-6 **Nemadji Forest Rally** (Kerrick)  
<https://www.americanrallyassociation.org/nemadji-trail>
- 2026-12-? **Arlington "Arlidazzle"**  
<https://www.arlidazzle.com/>
- 2026-12-19 **NEW Reindeer Run** (15K, 10K, 5K & Kid' Run)  
<https://www.minnesotarunningseries.com/reindeer-run>

Thank you very much for helping!

## Assistance Needed

I'm looking for help to remove a hexbeam antenna from the roof of Silent Key Ray, KCØURL in Crystal. Although there's no need for hurry per the surviving spouse, it would be great to complete it sometime in April. John KC0G and I figure three folks are needed. I'm definitely one. I would not classify this as extremely tricky, but it is on a typical roof. Please contact me at K9ALV@ARRL.Net

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## 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)**

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## 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**  
**03-06-2026**

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

Dale Maroushek (Pres.)-NØPEY \*

Kevin Welna (V. Pres.)-W5LNA \*

Art Thell (Secy.)-NØIWQ E

George Power- (Treas.)-KØGCP \*

Br. Bob Walsh-WCØJ \*

Don Kelly-WA6ZMT \*

Ralph Bierbaum-(P. Pres.)-NØAWN E

Also present (If \* or R):

John Wilcox- W0JTW \*

Tom Bredemus- KC0INP \*

Dan Dionne- K9ALV \*

John Kristian- W6JMK \*

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**6:03** President Dale called the meeting to order.

**Old Business:**

Secretary's Report: George moved to accept the minutes as published in the Ground Wave.  
Seconded by Kevin and passed.

Treasurer's report: George

General Fund: \$8,133.90, Repeater Fund: 1,371.09, Education Fund: \$931.06,

Total Bank Cash on Hand: \$10,436.05, Pay Pal Acct.: 0

So noted and filed: Secretary

Auction report: net profit was \$1,584.61. Dale moved to donate \$1,600 to the ARRL Spectrum Defense Fund. The motion passed.

Repeater Report: Dale: The repeaters are still working.

Membership Report: Dale: We have 90 members.

Website report: (stpaulradioclub.org)

Good progress so far. Members are urged to give feedback to Tom Bredemus KC0INP.

Tom proposed to use the website to enlist volunteer Elmers. Dale requested that PayPal payments be gathered together, so members can pay for several things at once. George asked whether there will be a members' area protected by a password. That question was not resolved. Tom proposed to add social features to stimulate involvement in the club. For example, gather brief bios from members, and publish one each month as a "member spotlight" on the website.

VE Report: 5 candidates are signed up for the test session on 3/7.

Training Report: The program is still running.

*(continued on next page)*

Midwinter Madness: John Hines will represent the club. The existing 2' x 6' fabric banner will be displayed at our table.

Reminder: Elections are in May. We need a candidate for president. We have candidates for treasurer and secretary. More nominations are welcome.

The event for the church is postponed until after Easter.

Field Day: We need volunteers to manage several stations. A site at the airport has been secured. The problem with the Yaesu radio has been solved.

**New Business:**

John Hines proposed to buy "this way/visitors welcome/arrow" signs for future events, size 24" x 36" made of corrugated plastic. The purchase was approved.

Dan wants help to take a hex beam antenna down off a roof. Kevin suggested hiring Jon Faughn.

Boy Scouts: Dan: 120 scouts have partly completed their radio merit badge. The date of the next session has not been set.

**Club Breakfast:** Saturday 3/21 at 9:00 AM. (Normally third Saturday)  
Place—Denny's at 1664 University Ave. W.—Across from the AxMan

**6:52: Adjourned**

**Thanks to John, W6JMK for kindly recording these two meetings.  
Respectfully submitted,  
Art NØIWQ**

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**Saint Paul Radio Club  
Hereinafter referred to as "SPRC"  
Member Meeting Agenda  
03-06-2026**

**7:32 Call to order** by President Dale

35 members present plus 7 members remote.

The President invited anecdotes from the members.

**Old Business:**

Treasurer's Report,  
General Fund: \$8,133.90, Repeater Fund: 1,371.09, Education Fund: \$931.06,  
Total Bank Cash on Hand: \$10,436.05, Pay Pal Acct.: 0

*(continued on next page)*

Auction report: net profit was \$1,584.61. \$1,600 will be donated to the ARRL Spectrum Defense Fund.

Website: Tom is updating it. He asked and Dawn volunteered to revise the logo to say "Saint" Paul.

VE Report: 8 candidates are signed up for testing.

Training Report: Kevin and Don are in the middle of teaching an Extra class. They anticipate most students will test early and drop out of the class. The final class session will cover safety.

Field Day: We need more chairmen, especially for sideband. Setup begins at 3:00 PM Friday. Dan will be the GOTA chairman.

Reminder: Elections are in May. We need a candidate for President. Candidates for secretary and treasurer are also invited.

Midwinter Madness: we need volunteers to staff our table. See John Hines to sign up.

**New Business:**

A nice travel mug was lost and found at the auction. To claim it, see Jon Crabtree.

**Club Breakfast:** Saturday 3/21 at 9:00 AM. (Normally third Saturday)

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

**8:03: Adjourned**

**Thanks to John, W6JMK for kindly recording these two meetings.**

**Respectfully submitted, Art NØIWQ**

## SPRC Contact Information

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

## SPRC Calendar

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

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

Sat Apr 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,  
[pipemajor2@gmail.com](mailto:pipemajor2@gmail.com), 651-503-7441

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

Fri May 1 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*

Fri May 1 7PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat May 2 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,  
[pipemajor2@gmail.com](mailto:pipemajor2@gmail.com), 651-503-7441

Sat May 16 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Sat May 30 9AM Northern Lights Radio Society Aurora '26 Conference.  
West Medicine Lake Community Club. <https://www.nlrs.club/>

2026 All yr ARRL "America 250" WAS award.

See <https://www.arrl.org/america250-was>

\* 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: 1<sup>st</sup> 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>