

 <p><b>www.arrl.org</b></p>		<p><b>Saint Paul Radio Club</b></p> <p><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</p> <p>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 Summer 2025

**Volume 85, Issue 6**

### FIELD DAY PLANNING MEETING: Tuesday June 24th, 2025

5:00 – 8:00 PM The Field Day planning meeting will be Friday June 18<sup>th</sup> at Culver's, 2065 Old Hudson Rd, Saint Paul. Show up around 5:00 pm, order supper and we will start the meeting at 5:30 PM.

### Warp Speed by Pete Guldán KD0SQJ

I just turned the calendar to June and somehow the month is half over. Does anyone else think we're in some kind of time warp? On the bright side that means Field Day is almost here. If you are reading this and don't know what Field Day is look at some of my previous Groundwave stories for more details. It is the largest on the air operating event in North America maybe the largest in the world but I don't know about all the events in other countries. The biggest change this year is the venue for our Tuesday night planning meeting. Here's the whole schedule:

Saturday June 21<sup>st</sup> 9AM SPRC breakfast. Denny's 1664 University Ave W  
Saturday June 21<sup>st</sup> 11AM Final site survey Benson Airport 5860 US61 White Bear Township MN (might be sooner or later depending when breakfast is done)  
Tuesday June 24<sup>th</sup> 5PM to eat 5:30 for meeting. Final Planning Meeting.  
Culver's 2065 Old Hudson RD St. Paul MN  
(the flavor of the day Caramel Chocolate Pecan is yummy...just saying)  
Friday June 27<sup>th</sup> 3PM Setup begins. Benson Airport.  
Saturday June 28<sup>th</sup> 1PM Official Start Time. Benson Airport  
(If you want to participate from your home or portable station on your own with your call sign you can still indicate your club affiliation when you send your results to ARRL.)  
Sunday June 29<sup>th</sup> 1PM Wrap Up Benson Airport.

Please join us if you can. Send a quick email to the station chairs/co-chairs if you would like to request a certain time slot on the stations. We will try to work you in but will give preference if you request in advance.

We will have the GOTA (Get On The Air) Station with a coach for unlicensed, inactive, or new Hams to use. Tom Burke [tomburkesvwi@gmail.com](mailto:tomburkesvwi@gmail.com)

Loud and Proud will be the original digital station (CW) pounding the brass using Morse Code. I think I now know 5 letters but this still fascinates me. John Warinsky [k9nj@arrl.net](mailto:k9nj@arrl.net)

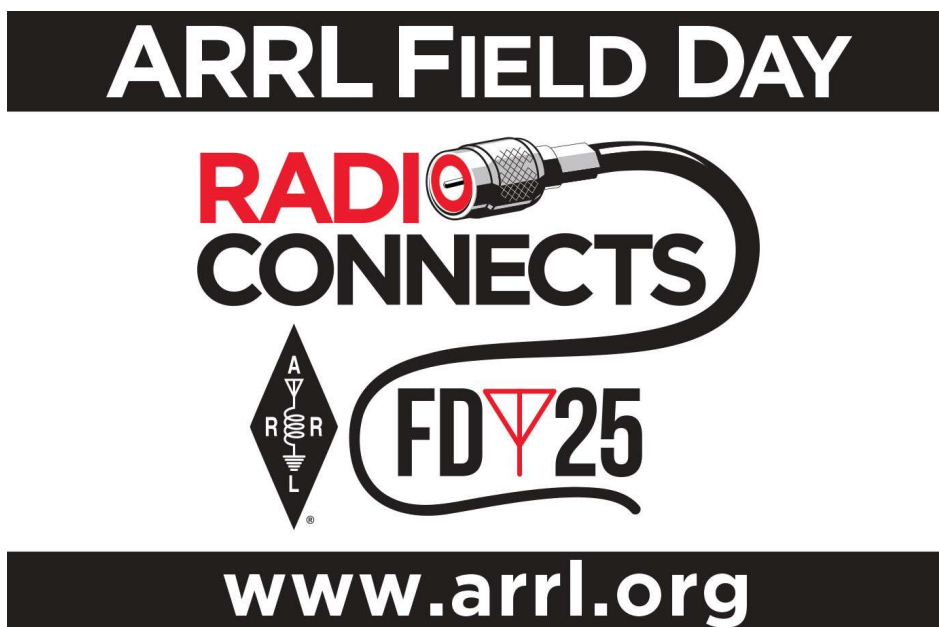
Not so loud but just as proud (I think they are trying to beat out CW for number of QSO's this year) Its the newfangled Digital station. Using the FT8 and stuff. Dawn [dawn@dholmberg.com](mailto:dawn@dholmberg.com) Jonah [claw22000@gmail.com](mailto:claw22000@gmail.com)

The SSB or Voice station is my jam like the kids say. Dan [k9alv@arrl.net](mailto:k9alv@arrl.net) With the band conditions we might break all the records this year.

Hey technicians and above. The VHF+ station will be doing it's thing. At Ham's in the Park there was an impressive 6 Meter band opening and one of the guys logged a DX contact in the brief time we were there. Come on sunspots!!! Erik [ewestgard@att.net](mailto:ewestgard@att.net)

If you are a member of either club or just a guest doesn't matter, you are welcome to join us. There will be food and refreshments available and we once again reserved the larger port-o-potty to help anyone with mobility issues. If you have mobility issues we want you to park as close to the action as possible and ask all others to please park further away. We must keep the taxiway clear just in case an aircraft would like to use it. We also want to keep the line of sight clear to the welcome tent so people can easily find us. Any smokers please go downwind and be respectful of others who may not like the 2<sup>nd</sup> hand smoke. If you want to sit down BRING A CHAIR. We have limited awning space and tables in the food area. If you have either please bring them along. Just make sure to write your name on it so you can keep track of it.

I hope to see there. 73 Pete kd0sqj



## **Dale's Details, Fiels Day Edition**

### **by Dale Maroushek NØPEY**

I'm counting on all the usual contributors to write up some new and interesting stuff for this year. In the meantime, I'm just retrieving some details from previous years and making sure they are still on your minds.

This setup worked well last year, I think we should keep it.

A few of us have discussed a plan where the stations (RV's) would be parked in a line along the weed line with say a 10 foot stripe left for the cable and tech gear alley, along with tower placement.

The FOOD hut would be set out near the taxiway, looking back at the RV line, with a tent city in front of it with tables and chairs. One Large Genset behind the Food truck, and rest in or behind the tech line. We have my son's RV unless it sells in the next 2 weeks. Next year it will be gone.

I am making sure that we have both MARC and SPRC 12 gallon tanked gensets up and running. Each one USED TO power two stations each, usually one with A/C and one without. Think CW and GOTA, Phone and VHF, Digi and the Scamp, or VHF & Phone or CW alone. Conversations have been going on about expanding the line up to get better separation of TX. This will have a direct effect on how many Gensets are needed. Any combination that works well.

Did you order or get ARRL FD gear on line? Wear it Saturday at the meal for sure, and a Name hat/tag or stitching would be helpful. It is hard to remember faces that only show up yearly.

See you at the planning meeting at Culvers at Sunray Center on June 24<sup>th</sup>.

Dale Maroushek, President again, NØPEY, 73...soon to be 76.

## Field Day Planning Meeting Announcement

It's coming up fast!

ARRL Field Day dates this year are June 28 & 29 with setup starting on Friday, June 27.

The Saint Paul Radio Club and Mining Amateur Radio Club will again be participating together at the historic Benson Airport (for history of the airport, see <https://tinyurl.com/3ve9jd8>).

But first, comes the Field Day Planning meeting, Tuesday, June 24:

Where: Culver's, 2065 Old Hudson Road, St. Paul, MN  
(just West of Sunray Center and North of I-94)

When: 5:00 PM (for those who come hungry)  
5:30 PM Meeting start

See you there!

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## It's All About the Signals by Scott NOAR

I want to pass on a few tips on how to make your Field Day operating time more enjoyable and less fatiguing. Sitting in the operating chair for any contest can be tiring, you have to deal with many different functions and still compete the contact. So let's get started with a couple of suggestions that might help.

One – Overload of the radio's receiver is the worst thing to ruin an enjoyable operating time. If you can't hear the other station due to interference everything else doesn't count. The important controls that you can use are the RF Gain and Attenuation. There are no improvements to be realized by turning on the Pre-amp Gain. It doesn't matter if the radio is a modern digital version or an old analog type, if you feed it too much signal into it you only get distortion and overload.

If you are at the CW station and on the same band as the SSB station you have a few options to improve or try and make it work to both be on. First add some attenuation to your receiver. Unless the conditions are really poor and signals are very weak a 10 dB attenuation is barely noticeable but it has the same effect as turning down the other stations power by 90%. Most radios have more sensitivity than can ever be used in average locations so turning down the RF Gain to reduce the background noise is a good move. I like to reduce the radio gain to the point that I can still hear the weak signals but don't have distortion on the louder ones. Depending on the band and what conditions are like during the day, expect to change the settings as needed.

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Two – Bring your favorite headphones. You can always just “touch” the plug in the radio and hear the sound while all those around you still get to hear the other station. Maybe we have breakout boxes that allow the operator to use phones? In either case it cuts back on the local QRM and lets others answer questions about the event while you operate.

Three – Take a moment to look at the radio’s transmit readings. Are you seeing excessive ALC action? Are other stations asking for repeats more than you like? Have you taken the time to ask another couple of stations “Hey how do I sound? Am I distorted?”. The cleaner your signal is the better your throughput will be. There are several SSB settings that can improve the throughput of your audio, Mic Gain, Compression and Band Pass configurations. If set correctly you can easily boost your contact numbers.

Four – Get yourself in shape for the event. If you don’t use the N3FJP program, download a sample copy and get familiar on how to use it. The idea is you will know not just how to log a contact but be able to correct errors in the entry without having to stop and figure it out.

Read the Field Day rules.

If your plans are to operate ask the person in charge of that mode what radio you will be using. Then go and download the radios operating manual. Get familiar with the knobs before you sit down to use it.

If you are going to operate CW spend some time with the Kurt Vogelmann’s videos on YouTube called “Field Day”. Time to brush up on all those abbreviations used.

Take mental notes of things you liked or didn’t and pass them along. We have a lot of history doing Field Day and I can attest that there is always room for improvements from year to year.

## **Ramblings from the VP's Work Bench**

### **by Kevin Welna W5LNA**

OMG is it June already??!! Wow time flies. So many hobbies so little time.

The work bench is slowing down just a little bit. Warm weather and outdoor activities are\will be getting in the way. Because, as Minnesotans, we do know how to make the most out of summer. Did you know that inline skates and water skis were invented in MN? Ya gotta wonder what kind of Crazy Norwegians it took to say to them selves: Hey lets put a half dozen wheels on the bottom of a pair of hockey skates and see what happens.... OR better yet, Hey, lets strap a couple of boards to the feet of the village idiot, toss him in the water and then pull him behind a boat at 30 MPH with a rope, and see what happens..... OK Ladies\XYLs\YLS, yes I said guy. I'm not being sexist here nor am I trying to exclude the women as great inventors, but we all know that only a guy would be foolish enough to think this was a good idea.....right?) HI HI  
Only in MN

OK, here we go!

Ham Radio wise I have been busy. The first QMX+ is done, so now I need an antenna and a tuner. I bought a ATU 100 antenna tuner kit about a year ago and now I have a reason to build it. Supposedly it will handle 100 watts, but that may be pushing it a bit. It will for sure do 50 watts though. So I'm about 10% into building it when I talk to my buddy John -KC3PBY- who has one that he built. Being the great friend that he is and waiting till I have melted some solder onto it, he points out that it takes at least 5 and more like 10 watts to get the thing to tune up correctly....Great. Now what? Then he explains that there is a YouTube guy that has a couple of mods he figured out so the unit will tune up on 1-2 watts but you gotta rewind a transformer and update the programming. Well crap, here we go again! Why can't it ever be easy!!?? Well it turns out that it is a pretty simple change but of course you have to buy an in circuit programming thingy... OK so again any problem can be fixed if you throw enough money at it right? Well that what the politicians always tell us anyway. So I'm back off to Amazon and sure enough they sell such a gadget and low and behold, its not that expensive. Plus, maybe I can use it for other stuff in the future.....I said maybe. Then of course the YouTube video ends and anther one starts up describing how to up date the ATU 100 so it does a better job of antenna matching on the higher bands. OK I'm not a fan of 160 and 80 meters (I call these bands the Hemorrhoids and Hair Loss bands 'cause that's all they talk about.) (Now don't get all butt hurt here, you know it's true.) Wonderful, my simple straight forward ATU project has now blossomed into including 2 upgrades and its only 10% done.....Maybe I do know what kind of Crazy Norwegian it takes to think up water skis and in line skates.. or maybe I'm just the village idiot!!?? Well anyway, this project is on the way to being completed and ready for my adventures into POTA later this summer.

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I have always wanted to play around more with my Oscilloscope and learn more about the RF output and audio envelope. So it seemed only right that I build a RF demodulator. Searching on line I found a video of how to do it and a schematic of the demodulator circuit. Well, an hour or two on the computer using EasyEDA and I have the circuit captured and the file sent off to China. They have since sent me the resulting boards and I have built one. BUT once again, I have no idea of how to set up my O-Scope to view both the RF and the audio envelope at the same time. Oh well, back the manual and a few more videos on using an oscilloscope I guess. One interesting note, If I use Hans' formula of squaring the Peak to Peak RF output voltage and dividing by 400 I get one value. But If I use the O-Scope's displayed RMS voltage and the formula of  $P = E^2 / R$ , I get a different value that is significantly different from Hans' calculation. Anyone know why? Please let me know!!! Or this will bother me till I get an answer. Enquiring minds want to know! For now, since Hans is WAY smarter than me, I will continue to use his formula and be frustrated.....

I still have not pursued getting final permission to use the Washington Co. Library in Cottage Grove as a circuit builders location. Mostly because I am lazy and we are a long way off from winter building season. Also, no one has contacted me to express interest in doing this. If you are interested, do let me know ([kwelna@gmail.com](mailto:kwelna@gmail.com)). Otherwise I will drop this from my to do list.

The F8F Bear Cat is coming along nicely (so far). The fuselage is built and ready for sanding as are the tail surfaces. There looks to be more than enough room in the fuselage for the radio control system and a motor\battery. So I am now starting on the wing. Here is where it gets a bit tricky. The kit was not designed to be radio controlled, so I have to do a bunch of modifications to the wing to accommodate servos to control the ailerons and possibly flaps. I will also need to make the wings removable so I can access the radio control components. In addition, I will need to "beef up" the wing structure to accommodate the additional stress due to additional weight and stresses caused by flying the model with an electric motor. I need to do this while trying to keep the model as light as possible. It is a balancing act to say the least. More to come as I progress.

My portable hobby box is DONE! And it turned out fairly well. I now have a way to build models when we are camping or traveling via the RV. This was quite an adventure. First I had to learn how to use the box designing software and then cut all the wood parts using the laser. I also had to design and print the drawers and finally come up with a way to "Attach" the lid\building board so it could be removed for building the model. In addition, I tried my hand as laser etching the metal building surface with a 1cm x 1cm grid (That's about 1/2" x 1/2" for you Luddites out there.) And, it actually seemed to work!

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On an expensive note, We have contracted with a builder\remodeler to replace the last 5 windows on the house and replace the front door plus add a screen door. They are really proud of their work and show it by their prices.....But, This should be the last of the remodeling we need to do! (Until the XYL gets a wild hare and wants something else changed or added that is. HI HI)

A couple years ago I bought a security system that my XYL has decided now needs to be installed this summer. So that just got add to my honey do list. The upside to all this is my honey do list is finally shrinking albeit SLOWLY.

On a happier note 2 of my friends will finally be retiring by the end of summer \beginning of fall. I am very excited to meet up with them every couple weeks for B-Fast\Lunch, leveraging our infinite knowledge and wisdom to solve the worlds problems.

"Quick" update on the Antenna Tuning unit (ATU-100) It is done with most of the modifications added. As usual, nothing goes as expected and when I went to edit the firmware for the ATU, it was read\write protected.....Really???? The Chinese are worried about someone stealing their code and engineering!!?? (Would that be considered an oxymoron) Anyway, I find the code online and update the main chip with the code and it does not work. There is no display. So, 4 hours later I figured out that the code is for a completely different display. Back to the internet and a bunch more searching (2 hours worth) plus actually reading the users manual and I finally with the help of my friend John, I figure out the correct configuration settings and ta-da it is working!!!! Now I just have to make a portable end fed zep wire antenna so I can test that the unit works on low (QRP) power and tunes up correctly. Huh, clear out to projects and add in a new one. FYI, it is a really neat unit and John's works great. It's super easy to build (You will need to accurately count up to 30). If you ever wanted a great first project, I think this is it! It's inexpensive, has lots of room for your fingers and soldering and is quite useful. I have also 3D printed an enclosure for it, so, if you build one and contact me, I'll print you an enclosure for free.

Well, that's all I have for now. BTW, This will be my last article until this fall

Until next time:

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

73

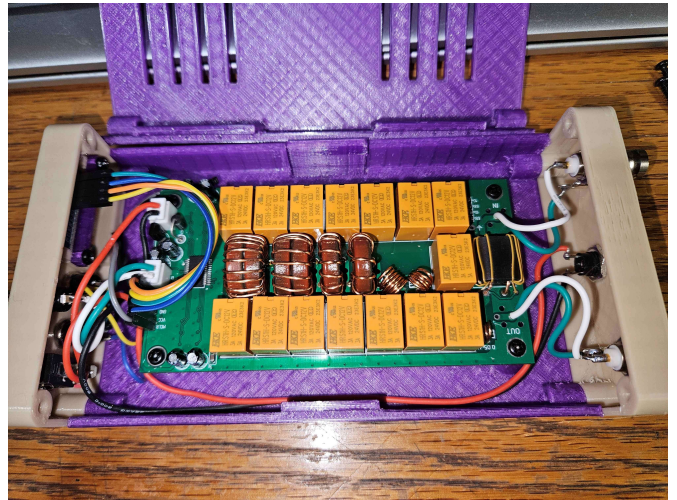
Kevin - W5LNA

*Kevin's photos are on the following pages*



Once again – A few pics for your entertainment\amusement:

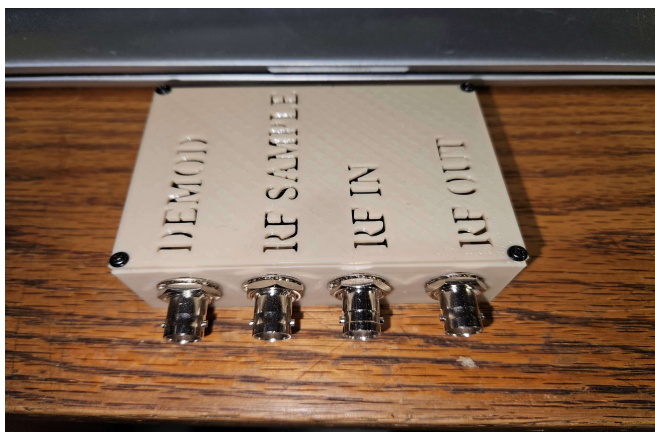
Completed ATU-1000 ready for POTA adventures.



Random Wire Antenna with 9:1 Balun

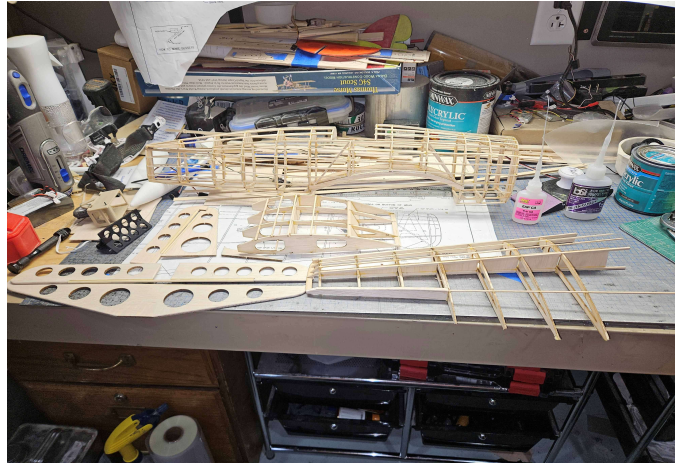


RF Demodulator – It's a pretty simple design





F8F Bear Cat Coming along nicely.



Hobby Box loaded and ready for camping!



Close up of the laser etched steel building board



## A Visit to ARRL HQ

### By Art Thell NØIWQ

I did my annual foray out to Connecticut in May to visit my kid sister and her family. They're near the coast so, seeing that ARRL HQ is only half an hour north, we drove up there on Friday morning, May 23 to spend part of the day in the area.

Upon entering the area, I noticed that the area is very nicely maintained on a quite pleasant footprint. You don't really notice it until you are almost upon it. The Original building you see in the pictures is in front of the Main building that houses the offices, classrooms, and labs. It is also the (fenced) location of the half-dozen antennas on the site as well the studios, museum, and store.

The interior was under remodeling to accommodate new activity. Some areas including the museum and testing areas were light on information, but testing equipment was quite visible. There is apparently quite a bit of activity on site including classes, equipment diagnostics, testing, etc. Several dozen cars were in the parking lot at the time.

All equipment, including testing equipment, is apparently donated. We were the only people visiting in the museum/studios at the time—about 9:30 on a Friday. I was given a choice of three operating positions (sound-isolated) and chose the FT-9000. The volunteer on duty patched me up to the yagi at 60 ft. Power out was 100 watts.

Licensure is verified. All transmissions are made on W1AW. I completed a dozen qso's with some chat in about 40 minutes. The chats included my name & callsign. This resulted in my (QRZ) Flag Counter reporting inquiries from: **Countries added:** Costa Rica, **Regions added:** Shizuoka, Japan, Tasmania, Australia, Guangdong Province, China

I could have spent the entire morning or more operating. They don't schedule in. All-in-all, it was a really pleasant morning. My sister & brother-in-law seemed to enjoy it as well, judging by her subsequent comments to other relatives.

Photos of Art's visit are on the following pages



**Art Thell, N0IWQ at ARRL Headquarters  
5/23/2025**



**Testing and diagnostics lab**



**Design & research**



**Design & research**



**Museum, very early gear**



**Museum, more recent gear**





**Setting up the antenna patch panel**



**With the FT-9000**

## **VE Report**

### **by Steve Scott WA7HPK**

Another great pool of 7 candidates showed up for our June 7<sup>th</sup> VE exam session at the church in Roseville. Twelve year old Nolan Swets KFØUNV (Minneapolis) passed his Technician exam. Scott Benson KFØUNS (Burnsville), Nicholas Bingham KFØUNJ (St. Paul) and Theresa Krause KFØUOD (St. Paul) all passed their Technician.

Bob Lowry KFØUNK (St. Paul) signed up to take his Technician and walked out as a General. Likewise, Art Eschenlauer KFØUJD (Circle Pines) and Kacey Saff KFØIOH (Minneapolis) came in with their Technician tickets but upgraded all the way to the Extra class. Kacey achieved a perfect 50/50 score on hers. In fact, she answered 84 out of 85 total questions correctly. Great job by everyone!

Again, please visit the above candidate's QRZ pages and sign their weblogs with a congratulatory note. About half our new licensees appear to be taking advantage of the QRZ JumpStart program. That offer not only affords them a pretty good deal on the QRZ Explorer 1 VHF/UHF HT and discounted accessories.

VE's assisting with the June session were Ralph Bierbaum NØAWN; Leon Dill WØCOE; Scott Holisky NØAR; Terry Londroche NØGOI; Brian McInery NØBM; Gregory Merth KCØRET; Andy Parent ABØNX; Curtiss Trout ACØCT; Michael Walsh KFØNYX and myself WA7HPK.

Several months ago we opted to begin uploading our VEC exam session paperwork electronically to ARRL rather than mailing them. That considerably sped up the time it was taking to get new call signs and/or upgrades assigned by FCC. What had been taking many weeks was suddenly getting accomplished in 2-3 workdays.

I read where ARRL/VEC is planning to phase out mailing of hardcopy forms to VE teams and will be transitioning to the ExamTools online application via HamStudy.org. We'll still have the option to host either in-person or online exams but much of the forms and paperwork will be handled by the software. The software can still print out hardcopy answer sheets (hardcopy CSCEs and NVEC605s still required – for now) but answer sheets may now be scored by scanning via a mobile phone – or we can opt to have the candidate use a computer to take an exam.

It's something that I feel we'll ease into gradually over the coming months. A prerequisite will be that ALL VEs will have to verify their call signs and VE credentials on HamStudy.org plus having their VE credentials linked to a HamStudy account. I just completed my credentials. You'll need to access your official license copy from the FCC ULS system and upload that to ExamTools. I found it didn't like a saved PDF-printed copy I already had on my hard drive so had to download the file again and upload the raw file back up to ExamTools.

I recommend searching for ExamTools tutorials on YouTube to familiarize yourselves with the process.

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
2025-06-27/29	<b>ARRL FIELD DAY WEEKEND</b> (SPRC setup 27, FD 28-29) <a href="https://www.arrl.org/field-day">https://www.arrl.org/field-day</a>
2025-07-05	<b>Afton Trail Run - Rocksteady Running</b> (50km, 25km) <a href="https://www.aftontrailrun.com/">https://www.aftontrailrun.com/</a>
2025-07-20	<b>Tour of Saints ride</b> St. Joseph <a href="https://www.bikemn.org/all-events/tour-of-saints/">https://www.bikemn.org/all-events/tour-of-saints/</a>
2025-07-21/25	<b>MS-TRAM</b> <a href="https://www.bikemn.org/events/bike-ms-ride-across-minnesota-2025/">https://www.bikemn.org/events/bike-ms-ride-across-minnesota-2025/</a>
2025-07-26	<b>Richfield Urban Wildland marathon</b> <a href="https://tinyurl.com/2rbemy9n">https://tinyurl.com/2rbemy9n</a>
2025-08-02	<b>Tour de Tonka</b> Orono <a href="https://tinyurl.com/wa7w77c7">https://tinyurl.com/wa7w77c7</a>
2025-08-07/10	<b>Gaylord Eggstravaganza</b> <a href="https://tinyurl.com/22e9avwy">https://tinyurl.com/22e9avwy</a>
2025-08-22/23	<b>Ojibwe Forests Rally</b> Park Rapids <a href="https://www.americanrallyassociation.org/ojibwe">https://www.americanrallyassociation.org/ojibwe</a>
2025-09-05/6	<b>Superior Fall Trail Race</b> 100mi, 50mi, 26.2mi <a href="https://www.superiorfalltrailrace.com/">https://www.superiorfalltrailrace.com/</a>
2025-09-14	<b>River Falls Autumn Trek</b> <a href="https://www.rivervalleytrails.org/autumn-trek/">https://www.rivervalleytrails.org/autumn-trek/</a>
2025-09-14	<b>BikeMN Twin Cities Ride</b> <a href="https://www.bikemn.org/all-events/tcibt/">https://www.bikemn.org/all-events/tcibt/</a>
2025-10-05	<b>Twin City Marathon</b> <a href="https://tinyurl.com/tcsnan63">https://tinyurl.com/tcsnan63</a>
2025-10-11	<b>Northstar Radio Convention</b> <a href="https://northstarradio.org/">https://northstarradio.org/</a>
2025-10-11	<b>Scenic Byway River Run</b> Belle Plaine <a href="https://belleplainefestivals.org/event/scenic-byway-half-marathon/">https://belleplainefestivals.org/event/scenic-byway-half-marathon/</a>
2025-10-17/18	<b>Mankato Marathon</b> <a href="https://www.mankatomarathon.com/">https://www.mankatomarathon.com/</a>
2025-12-06	<b>Nemadji Forest Rally</b> Kerrick ( <i>Date is tentative</i> ) <a href="https://www.americanrallyassociation.org/nemadji-trail">https://www.americanrallyassociation.org/nemadji-trail</a>
2025-12-07	<b>Arlington "Arlidazzle"</b> <a href="https://www.arlidazzle.com/schedule/">https://www.arlidazzle.com/schedule/</a>

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An ongoing public service opportunity for SPRC members is the Metro Hospital Compact; see this link

<https://www.metrohealthready.org/our-coalition/metro-hospital-compact/>

and find a Hospital you either live near or work near. Then contact Tim Arimond at 612-741-9307 who will get them in touch with the people to arrange registration and training for the project.

Thank you very much for helping!

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## **North Star Radio Convention Call for Speakers**



Minnesota's North Star Radio Convention, hosting the ARRL Minnesota State Convention is happening on October 11th in Brooklyn Park, is recruiting presenters on all things amateur radio for this year's event. They are on the lookout for speakers on a diverse range of topics.

Whether you have knowledge to share on antenna design, DXing, emergency communications, or any other aspect of amateur radio, they want to hear from you! They welcome hams of all levels of experience--everyone has something potentially valuable to share!

To apply to speak, visit <https://northstarradio.org/speak> for more information and to apply.

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## **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.

## **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)**



## BoD Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club**  
**Hereinafter referred to as “SPRC”**  
**Board Meeting Minutes**  
**05-02-2025**

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

Dale Maroushek (Pres.)-NØPEY \*

Art Thell (Secy.)-NØIWQ \*

Br. Bob Walsh-WCØJ \*

Ralph Bierbaum-(P. Pres.)-NØAWN \*

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

George Power- (Treas.)-KØGCP \*

Don Kelly-WA6ZMT \*

Also present (If \* or R):

Jay Maher-NJØM \*

Pete Guldán-KDØSQJ \*

Janet Bierbaum KDØBZZ \*

Andy Parent-KFØMJQ

Jeff Iverson-WB9DAN

John Crabtree-KCØG

Dawn Holmberg WXØZ

Doug Lueck KØDLX

Dan Meyer-NØKFB

Ben Otto-KEØRFZ

Steven Scott-WA7HPK

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**6:10** Pres. Dale called the meeting to order.

President: Call for added agenda items: None

### Old Business:

Secretary's Report:

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

Treasurer's report: George

General Fund: 4931.80, Repeater Fund: 1311.09, Education Fund: 1288.96,

Total Bank Cash on Hand: \$7531.85. Pay Pal Acct.: \$20.00

So noted and filed: Secretary

CDH ARC Report: Br. Bob No new info.

Repeater Report: Dale: Some issues with access.

Membership Report: Dale, 119

Website report: (stpaulradioclub.org) Functions.

(continued on next page)

Banquet Report: Jay: Enjoyable event by 32 (30 paid) attendees.

VE Report: 9 tested in April. None scheduled for May.

Training Report: Pete: 1 Gen. & 1 Extra Class passed.  
1 Gen. coming up. 2 Extra coming up.  
Autumn sessions to come.

Field Day: Pete: See GW.  
Need 2 helpers on food.  
Porta Potty cost will be \$257.74  
Add feather flags at F.D. site

**New Business:**

Tailgater July 12 See GW.

**Club Breakfast:** May 17, 2025 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.**

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## Membership Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club**  
**Hereinafter referred to as "SPRC"**  
**Member Meeting Minutes**  
**05-02-2025**

**7:30 Call to order** by Pres. Dale

33 Members present plus Remote.

**Old Business:**

Treasurer's Report,  
General Fund: 4931.80, Repeater Fund: 1311.09, Education Fund: 1288.96,  
Total Bank Cash on Hand: \$7531.85. Pay Pal Acct.: \$20.00  
(continued on next page)

Membership report, Dale: 120

Banquet Report: Good food. Excellent, enjoyable program

VE Report: 9 total in April

Training Report, Pete:

Pete: 1 Gen. & 1 Extra Class passed.

1 Gen. coming up. 2 Extra coming up.

Autumn sessions to come.

Field Day:

Check GW.

June Org. meeting 6/24 Davanni's or possibly at Culvers. Look for e-bulletin.

Open volunteer positions report:

**New Business:** (Check "Dale's Details" in the GW.

Progressive Hamfest, etc.

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

**Club Breakfast:** Normally Third Saturday---- Date: May 17, 2025 at 9:00 AM.

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

**Adjourn: 8:00** Followed by:

Program: Daniel Dionne K9ALV

Boy Scout Radio MB program.

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## SPRC Contact Information

President	Maroushek, Dale NØPEY	<a href="mailto:n0pey@comcast.net">n0pey@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
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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, Daniel NØKFB	<a href="mailto:dan@meyer-family.net">dan@meyer-family.net</a>	763-238-8239

## SPRC Calendar

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

Sat Jun 21 7AM-Noon TCFM Club Spring Tailgate Swap Meet.

West Medicine Lake Community Club. 1705 Forestview Lane N, Plymouth

Tuesday June 24 5:30 pm Field Day planning meeting

Culver's 2065 Old Hudson Rd St. Paul

Fri-Sun June 27-29 Amatuer Radio Field Day. SPRC will participate from Benson Airport, 5860 Highway 61 N White Bear Lake. Everyone, licensed amateur or not, is welcome to join us for an hour, an afternoon or for the entire weekend. See you there!

Sat Jul 12 8AM-Noon 21st Annual Magic Repeater Tailgate Hamfest.

Galilee Lutheran Church. 145 N McCarrons Blvd, Roseville

Sat Jul 19 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.