

 <p><a href="http://www.arrl.org">www.arrl.org</a></p>		<p align="center"><b>St. Paul Radio Club</b>  <b>Ground Wave</b></p> <p align="center"><i>Dan Meyer, NØKFB, Editor</i>  <i>Dale Maroushek, NØPEY, Publisher</i>  <a href="http://www.magicrepeater.net/sprc.htm">http://www.magicrepeater.net/sprc.htm</a></p>	<p align="center"><b>KØAGF</b></p> <p align="center">Club Repeaters:  145.310 MHz, 442.450 MHz  Both use a 114.8 Hz tone</p> <p align="center">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 SEPTEMBER 2023 – Volume 83, Issue 7**

**NEXT MEETING: FRIDAY September 8th, 2023**

- 6:00 PM Board Meeting (all are welcome to attend and observe)
- 7:00 PM Refreshments and 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 so if you arrive after that, please call 612-201-0818 to be let in. Br. Bob.

**Program**

Our meetings are hybrid meetings. That means there will be an in-person meeting at Cretin-Derham Hall (CDH) and a meeting on Zoom for those unable to attend in person. Zoom meeting information can be found at the end of the newsletter.

The program for the September 8<sup>th</sup> meeting was not available at the time this issue of the Ground Wave was published.

## **The Prez Sez by Ralph Bierbaum NØAWN**

I find our club at a crossroads. We have too few people willing to step up and help run the club. It is a prime example of the 90/10 rule, where 90% of the work is done by 10% of the people. In our case it's more like 7% of the people. I have attached Dale's (NØPEY's) assessment of this situation and no one is in a better position than he to make this assessment.

I will not be running for President for a second term, but I will stay very involved with the club, first as past president, then as a Volunteer Examiner (assuming we still have a VE program), Auction auctioneer, Auction computer guy, Field Day computer guy, Field Day SSB chair, Field Day tower & feed line provider, Zoom meeting back-up guy, Club meeting Door Prize assistant, and all those other needs that pop up... and they will pop up.

The President's job is the easiest job of the entire board. St. Paul Radio Club has an excellent, engaged board, which keeps the club on track and makes the job of President a simple one. Bang the gavel to open the meeting, Band the gavel to close the meeting and you're done. I may have oversimplified, but not by much.

There are a lot of little jobs that need doing, jobs that should be split into two or three people to make them even easier. Ask yourself, "what do I want from my club and what am I willing to give to get it?" Ask what you can do to help? Everyone doing a job right now, can use some help. A couple of hours a week will make a difference.

73, Ralph Bierbaum, NØAWN

## **Dale's Assessment By Dale Maroushek NØPEY**

Hello dedicated Hams,

First thing I want to do is say a huge Thank You to Leon as he slips away from the fantastic job he has done as our SPRC VEC. Then, continue that to all the others for their continued leadership positions.

I have read Ralph's distress call and the responses from Kevin, George and Art. Great points all, now what do we try to follow up on them to Make SPRC Great Again?

First thing I did was pull up the volunteer page, attached it non-updated cause I don't know where it's going to end up yet (I updated it - NØAWN). Ten is about the right number of people holding the club together.

Then I brought up the data base and looked it over, sorting for the 2023 members. Without actually doing the math, I would estimate that a third of the group is made up of new VE testing people, who, as I figured last time, we only recover 10 % of them. In general numbers: 50 new VE people in, 5 come back after the free year. And few of them ever show up for any club activities during the year. Why you ask; One view is we test people from all over the area. Some who know they won't be around, decline the free membership, others take it back with them to outstate areas and disappear.

So the current Data base 2023 season count of what I call real SPRC members, weather they paid dues or not is 146. Let's call 10% the magic 15 people. Us, with many of us covering more bases than one.

I volunteered (was conned into, under duress etc.) to be elected (no opponent) President in 1998 and have been either a Board member or sideline coach like I am now ever since then. We tried to maintain every activity that was going and supported them with money once we got out of the clubs recession (we had \$200 in the bank then). In that case, the people were there but the money wasn't.

We now have the reverse, we have tons of money but no people. But the rules say, hams can't get paid for their services, so we can't employ them. Back then we trained them with classes which because of security and other government policies left us out in the cold with no place to teach. Even VE testing traveled around the cities until the church showed up now. Classes restarted but the return on investment of man hours (don't care about money) seems very low. Like testing, where we sometimes have more VE's than candidates, we have more Elmer's than students.

The biggest cost savings was with the mailing of the GW. Imagine, printing, folding, sealing, stamping and mailing of this monthly newsletter. This was all volunteer work then! People did this just because they wanted too! I remember calculating the costs and each mailed GW cost us \$1.50, 10 per year, so \$15 of your \$20 dues was for the GW.

Meeting perks. Back then, the club was big, 200+ members and 60 to 80 at the meetings. Coffee and donuts were served like we do now with the coffee can donation supporting the deal. Sure enough donut costs went up and donations lost out. We instigated a rotating alphabetical volunteer 'bring the goodies routine' and the club made the coffee for the donation.

Now we have Jay and Bob running a donation based evening buffet that is self-supporting. Same with the door prizes.

Why were there 60 to 80 at the meetings? Programs! OK, think back to yesteryear, when we didn't have instant communications from a video screen in our hand that answers all our questions. Programs were longer and more hands on, and begin with overhead projection machines slowly to PowerPoint. Now Program presenters are hard to find, once again too much time to volunteer. I stumble across potential one and do my best to convince them to volunteer.

The next thing old SPRC did was to offer food at every event. We built big on FD and continued with the Auction and special events. At the railcar event, I got more complements on my Chili than ever, only to tell them it was Hormel out of the can. We continue with food and have had some great FD meals and great hot dogs at the Auction!

Somewhere in those years, it was decided that any Club event or Chair position that was not volunteered for, free will or intimidation, was to be set aside and we concentrate on the ones we have. One example is we had no door prizes until Janet was "volunteered" into the job. Rich first took, and then returned the Worked all MN Counties box. No Boy Scout Liaison for years now. The list goes on before you start with the multiple holders.

Somewhere along the last couple years was a "Presidents Club" thing where area Club execs were supposed to get together and discuss/find answers to these Club problems. Where is it and what happened?

So what do we do about it? Concentrate on what we have going and do it very well. Downsize until we can convince new hams that helping the club is rewarding. If Special services falls away, will we be able to get it back later? Maybe do some job switching, if it helps cover a missing one. Consider giving free membership to officers and volunteer chairs.

That makes for a few Board meeting agenda items already. Fill the VEC with

some form of staff. Nail down the Website situation and publish the rules and instructions for use. Line up some programs, be they live, Zoom or YouTube, as interesting as they can be. Line up candidates for the "at large" members for November election, and the rest for the May 2024 election. I've been reworking the Auction rules and should have them out before the meetings. Also gather more helpers and a couple new auctioneers for 2024.

"And that's all I have to say about that." - F. Gump

Dale NØPEY

<b>POSITION</b>	<b>NAME</b>	<b>CALL</b>	<b>TELEPHONE</b>
AUCTION CHAIRS	DALE MAROUSHEK	NØPEY	651-777-5309 or 651-238-5720 651-352-9590
	BEN OTTO	KEØRFZ	
BOY SCOUT LIAISON	<b>OPEN</b>		
CIRCUIT BUILDERS FORUM CHAIR	KEVIN WELNA	W5LNA	651-354-5515
CLUB HISTORIAN	DAWN HOLMBERG (PHOTOGRAPHY)	WXØZ	763-784-8835
DOOR PRIZE/DRAWINGS.	JANET BIERBAUM	KDØBZZ	612-418-6133
EDUCATION COORDINATOR	PETE GULDEN	KDØSQJ	651-307-8983
EMERGENCY SERVICES LIAISON	RALPH BIERBAUM	NØAWN	651-490-9859
FIELD DAY COORDINATOR	PETE GULDEN	KDØSQJ	651-307-8983
GROUND WAVE EDITOR	DAN MEYER	NØKFB	763-784-8835
MEMBER TECHNICAL ASSISTANCE	<b>OPEN</b>		
MEMBERSHIP REGISTER	DALE MAROUSHEK	NØPEY	651-777-5309
PROGRAM CHAIR	BOARD MEMBERS		
PUBLIC INFORMATION	ART THELL	NØIWQ	651-492-0254
REPEATER COMMITTEE	TERRY LONDOCHE	NØGOI	651-308-3441
REPEATER TRUSTEE	DALE MAROUSHEK	NØPEY	651-238-5720
LICENSE TRUSTEE			
SOCIAL EVENT/REFRESHMENT COORDINATOR	JAY MAHAR	NJØM	612-850-0810
NET MANAGER	DALE MAROUSHEK	NØPEY	651-238-5720
VE TEAM LIAISON	<b>OPEN</b>		
WEBMASTER	GEORGE LAVALLEE	NØSBU	651-429-5948

## Field Day Recap by Pete Guldán KDØSQJ

The standard disclaimer for the September recap is that the results are not final until they are published in the December QST. I can share the numbers I have and include my 2 cents on how we did.

First I would like to thank all of you who helped setup, operate, and take down. You fine people made it happen for us once again. This year we had a better idea of participation numbers and we had well over 60 people there for at least a while. Previous years seemed to have fewer with the exception of the ribeye dinner when we were still at Tartan Park. The sign up meal ticket method seemed to work well so I think we will continue with that.

The lower tower height again allowed us to work that rare DX location of North Dakota. We even got New Zealand and Australia in the log. Not quite a clean sweep but the sections we missed are lower population areas and the hams in the Northwest Territories of Canada might have been busy taking their pet moose out for a walk. Surprisingly we missed Northern New York and Alaska.

The breakdown is 892 contacts with 498 CW, 218 Phone and 176 Digital, and 40 GOTA. We didn't go after as many of the bonus points as we could/should have and ended with a location score of 4382. Last year was 3452 so we may have moved up a few notches if we compare to other 3A stations. I guess we will find out in December.

If you have any suggestions on how to make Field Day better please let me know your ideas. We are early in the planning stages for another round of Tech, General, and Extra training. We might be partnering with other radio clubs in the area. If you know anyone interested in a license or upgrade let me know at [kd0sqj@arrl.net](mailto:kd0sqj@arrl.net).

73 Pete KDØSQJ

Right: Pete's girls visit with officer Eric Gadbois and learn about police safety equipment.

Below: President Ralph Bierbaum, Field Day Chairman Pete Guldán and White Bear Lake officer Eric Gadbois pose for the camera. Both photos by Dawn Holmberg



## Dale's Details by Dale Maroushek NØPEY

When Club activities die down, RV activities ramp up. It was touch and go if we would have it back from repair by Memorial Day, but it was. Chose a county park in Rice, MN, just north of St. Cloud. On a chain of lakes that end up back in the Mississippi. The boat landing in the park was poor so we had to drive out and around the lake to the south end to us the DNR ramp. Not a hardship cause you have to buy ice and stuff too. I thought the water temp was too cold but the grandkids didn't mind it. Fishing was normal. Three guys, all with different tackle presentations for various fish and not a bite. I surveyed the area for OTA HD TV and the APP said I should get 3 or 4 stations. Searched the sky in many directions and got zilch. Best thing we saw was the yellow pollen clouds as the wind moved the pine branches. It got downright cold in the evenings so we played games in the RV. Packed it up Monday and home we went.

Field Day prep. Waaay back in 1991 when (former) NØPEZ and I were first licensed, and gas was much cheaper, we took the opportunity to tour as many FD sites as we could to see who did what, where and how. I recall visiting Burnsville, nice place and plenty of food. Over to SEMARC, on the ball field with I think 6 or 8 stations. We missed the meal. Up to SPRC at the ski jump with the chalet to lounge in and tents for stations. Don Greenheck gave us the tour. I remember a very noisy genset. Believe it or not, back then SPRC had over 250 members with a good percentage active to the point the operator and logging signup sheets had waiting lists! Oh yah, and no computer logging!

Then to the hill behind 3M Center, with campers and space to spread out. One push up mast with a small beam and wires in 3 directions. MARC could roster 7 to 12 at meetings and about 20 to 25 for FD. They needed the help more than SPRC, so we tagged on with them until about 2000. Then I had to split my time with both when I became an officer with SPRC. I think we figured it out one time that SPRC and MARC merged FD in 2008, out at Tartan Park. If you missed attending one of those years, that's a whole other story for later.

So over 15 years working together, first with MARC leading the way with assets, and now SPRC picked up the load and is the host. SPRC also lost an annual picnic in here some place, and after a couple years of FD food, Skip Jackson suggested we have a spaghetti and meat ball feed for everyone on Saturday evening. He offered the recipes and we made a quick serve dinner with a combination of roasters full of sauce and meat, garlic bread from a mega propane heater, and fresh pasta every 6 minutes. The year it rained a river over us in on file with pictures. Other years we were blessed by my sister in law and then my niece making cupcakes and pastries for dessert. Another secret was usually a salad or two in big bowls that fell off the Park truck, Thanks Jim! Normal crowd was about 70.

We experimented with Jambalaya one year, and fried chix tenders and onion rings another. The big steak feed on the first / last Tartan Park exit was fantastic! Once we lost the tables and roof, logistics of tables, chairs and shelters have hampered big dinners.

Operations of the stations has followed the hobby starting with CW and SSB, then we added VHF/UHF in many forms with improvements each year. When Digi showed up, it was a challenge, but it will be a great scorer this year. When people and gear were available, we made the 5 solar contacts and sometimes the 5 Satellite contacts too.

Our best update has been in station locations, RV's and trailers with Air Conditioning to fight off the summer heat. The end of June can be vicious and sunburn is everywhere.

Just get the FD stuff stored away and it's time to buy/sell other goodies at the Magic Tailgater. The weather is always the big factor for these outdoor events and we got a good one. Did my shopping and talking rounds and then went in to help with VE testing. Came back out for the final round and went home empty handed. Like I need something else. Always thank the guys from MAGIC for continuing this July event.

Now, as promised, the return to yester year, 54 to be exact, and the adventures of a 20 year old Spec 4 as he slid out of Tan Son Nhut and landed at Kadena Air Base on the then US Possession of Okinawa. I say that because the US ran the place, advising the Okinawans to sit down, shut up and pay attention. Not a nice statement but it was the truth. You will understand more as the story evolves.

We still had to travel in at least Khaki uniforms back then, before that was dropped and guys traveled in fatigues. So here I am landing at zero dark thirty and the airbase is pretty quiet. The sign says new inbound report too room something. As I previously mentioned, I had inside information from the guys I met back at the 175th that came from Oki. So I avoided that and found my way to the taxi port and got into one.

Let's talk taxi. The military knew that the taxi system was vital to getting people around. Yes, we had busses on routes, but not a central system. Take a bus for long trips, taxi for short. So taxis were subsidized behind the scene. The local bar owners and entertainment providers figured if it work for us, it would work for them. So the lowly taxi driver could charge us 35 cents and take us 5 miles and still make a nice profit. One hand washes the other.

I tell the cabby to take me to Torrii Station, with my duffle bag, suit case and sports bag. I had some idea of the geography of the island, but it was near sunrise toward the other side of the place so shadows and thing passing by what seemed way to close was all I saw. Once out of town, things expanded and soon we arrived. Taxis are not allowed on base so I had to carry my stuff to the gate and meet the MP guide. Showed my orders and was directed to the second barracks down the hill.

By now it was 0810 or so, the Company Clerk, our modern day Radar O'Reilly, was on duty with another crumpled mass of unstarched fatigues with his head on his hands at another desk. The clerk performed his duties and got me all signed in and issued all the BS I needed to live there. Occasionally, the green blob would move and grunt or cough. Finally, having heard stories of such a person from those 175th guys, I had to quietly ask the clerk what the story was. He declined to elaborate, so I asked the green guy's name. John Shock he almost whispered. I looked over and directed the response to the green pile, Oh, you're John Shock, and you're a lush. Needless to say, that got his attention! After the excited surprise and shout of "who the f are you", I explained that his old friend had told me his story and not to worry, our avenues probably wouldn't cross much. Oh how wrong I was.

Found my bunk area, and like VN, house keepers were hired for a monthly charge be you there or not. The laundry took care of your uniforms but now we had a washer dryer to do the small stuff. The TV room was either overcrowded or empty, one US channel with mixed shows in B/W. No VCR's then either. Latrine and showers were fine, the day room had a good selection of table and board games. A real GI paradise for a lonely guy. I toured the campus, PX, barber shop/tailor, library, swimming pool, bowling alleys, and theater. Gym for basketball etc, soccer and ball fields and an arrow to the beach, overgrown by weeds. Class 6 store (off sale beer and liquor) and the Club (on sale with food).

It was late August and hot, so I entered the Club and found cool to cold A/C and load noises from some machines, OH, slot machines, I had never seen them before. I was also unaware of the ways to pay for items and food. In VN, the club only worked on chips, prepared tickets you resourced from a teller. So I lined up to buy chits when I had a pocket full of money. Only once.

I ordered from a menu, hot roast beef and mashed pots, been a long time for either. The Club would turn out to be a great asset and happy place for a while. It had a band that rotated as the weeks went by. The food was good, better than Mom's (the mess hall) which was ok by my taste buds. To be honest, I didn't spend much time at either, once I learned the ropes and moved off the post...illegally, but only until you get caught, right?

So another guy, with a car, takes me under his wing one night and he and his wife and I and another couple go out for the evening. They went roller skating on an outdoor rink with bunches of young kids of the families on the island. Yes, once you gained the rank of E-5, you could get your wife and family over to accompany you. I'm not sure how the payments went, but they did it to be together. Not really what I was looking for.

Militarily, I got signed into the "Secret Building" just in time to tell them that I wanted to go on leave since I had just come from VN. Boy were they pissed, not so much at me but HQ who failed to ask. So back out and free to go anywhere I had orders for, USA. Hey, I was 20, didn't understand customs and international travel via any plans to anywhere in the US. Could have been in the air for hours and ended up in NJ or WA, few flights to the mid-west. Then I would have to pay for the ride home and again to get back to someplace with a logical flight to Oki. Seemed like a no win situation, so I went back to spend my free month on Oki and find new friends.

One of the guys was leaving, and was selling his 1965 Fiat Coupe. Remember this is late 69 or 70. We settle for \$500! Again the young dumb GI gets screwed. Oki is an island in the middle of a salt water atmosphere. An Italian car it should be ok, but who knows the history. Well it did me ok and when I sold it for \$300, I think I made a profit. So now I have wheels, live off post, and also have tools...always carry tools if you want attention... or get conned into helping others.

The Month went by and back to the Building (no windows, few doors, guard gates and double fences) and was assigned a section to work in. I was the new guy again, so I got to do all the crappy jobs until the next new guy came in. We will pick it up here next month with stories of some of the other personalities that called it home for at least 18 months.

Dale Maroushek, NØPEY

Below left: The entire Saint Paul and Mining amateur radio club field day compound.

Below right: Members and guests enjoying dinner on Field Day.

Both photos by Dawn Holmberg



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

Summer is here! About Time!

Still pretty "radio inactive." June was quite busy. We did a 2 week road trip in the Swamp Monster out and about the east central and eastern US. Ohio roads suck!!!!!! They were so rough I blew a tire, which in turn took out my water heater, broke loose and wrecked my exhaust from tail pipe back up past the muffler, and shook and broke a wall mounted side table off the wall of the RV and finally cracked the fuel line to my generator. The couple we were traveling with have a 5<sup>th</sup> wheel and suffered a number of broken parts as well. This as we were only going between 55 and 60 MPH, unbelievable. Oh yea and this was on 4 lane highways not back roads.

Well once back from that harrowing trip, I spent the next week replacing the water heater and the generator fuel line. Then it was re-prepping the Swamp Monster for field day after which (5 days after the end of field day) we left for a week of camping over the 4th of July up in Hayward WI. As I said, Busy, Busy, Busy!!!

On to Ham Radio. Alas, I never pulled out the radio while up in Hayward, WI. I think it was more of a lack of motivation than anything else. I needed a break. On the upside, I was able to practice ICR (Instant Character Recognition) of Morse Code for about 30 to 45 minutes each day while camping. It seemed to make a big difference. I need to keep it up now that I am back.

I think I am going to redo my ham radio "Go Box". The thing weighs a ton and it is unpleasant to carry. (Yea I know it ain't nearly as heavy as Ralph's set up, but neither is a small car...HI HI.) Anyway, my new thought is to go with an HF only QRP rig and a small and light 50 watt Solid State amp. I'll add a mighty Baofeng hand held for VHF\UHF communications. I'll go with a battery only set up and a smaller Wolf River Coil antenna. This should cut the weight of my Go Box in half...maybe more. Next, I will then take the 857D (My current Go Box radio) and install it permanently in the RV and set it up for AC\DC operation. I'll use the leftover power supply from the Go Box, add a switch so I can switch from car battery while driving down the road to the AC power supply when parked. The next issue will be to find an HF antenna that I can use while driving. Maybe a screwdriver antenna? More to research I guess.

Questions, Comments, Snide remarks on this idea?

Speaking of QRP, I broke down and ordered the new offering from QRP Labs!!! A multi band CW\Digital (80, 60, 40, 30, 20m) 5W QRP rig: <http://shop.qrp-labs.com/qmx>. I have no idea when it will get here, but I won't be able to build it till this winter. Once again, anyone else game to build one? Let me know.

Our basement finishing project is about 50% complete. Windows, electrical and plumbing are in, sheet rock is up and the contractors are on to painting, flooring and stone work. I think they have a completion date of about early August... Till then all the crap we were storing in the main basement is now packed into my shack\workroom. Walking around in here I feel like a bull in a china shop. HI HI.

The only progress on any of the RC planes is the completion of the electrification of my Olympic 650 glider. Maybe I will get a chance to fly it yet this summer... If I do I'll take some pictures and add them to a future Ground Wave.

That's it for this month. Till next time:

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

Kevin Welna W5LNA



Above: Field Day is all about solving problems under less than ideal conditions. At left, Art NØIWQ and Ralph NØAWN are investigating a problem with an antenna. The photo on the right shows what was found; the soldered connection on the SO-239 at the antenna has become loose. Photo on the left by George Power KØGCP; right by Dan Meyer NØKFB

Below: Not all food was cooked on-site. Dessert cupcakes and other food was store-bought. George Power KØGCP is serving ice cream, Don Kelley W6ZMT and Br Bob Walsh WCØJ wait their turn while Pete Guldán KDØSQJ observes.

Photos by Dawn Holmberg WØXZ



## VE Seasonal Recap by Leon Dill WØCOE

The following is a recap of your St. Paul Radio Club VE sessions from September 2022 through the MAGIC Tailgater in July 2023. We examined 77 total candidates, 72 of which were unique (5 came back for a second exam). The total number of exams given was 96. Out of that, we welcomed 44 new hams into the amateur radio community, and 22 upgraded their licenses. A big THANK YOU to the 13 examiners who helped out (in no particular order):

Terry NØGOI  
Dick WAØLIF  
Ralph NØAWN  
Shep NØNMZ  
Scott NØAR  
Dale NØPEY  
Dave WAØRKE  
Greg KCØRET  
Richard KWØU

Jeff KAØUPA  
Ted KDØNPJ  
Jim KØQEI  
Brian NØBM  
Curt ACØCT  
Dave NØTXW  
Ray KFØEKD  
Jay KØQB

It was another rewarding season, my 13th and final one with the St. Paul Radio Club, as I am now retired from the lead VE position. Over that time, we gave 1,208 exams to 853 candidates. Whew! Thank you to all who have assisted and supported me over the years, and I trust you'll give your same excellent support to whomever assumes the position.

Respectfully submitted,

Leon – WØCOE



Leon WØCOE showing two recently successful amateur radio test candidates HF voice operations at the Field Day SSB station.



Ralph NØAWN demonstrating troubleshooting, soldering and the inner workings of an antenna tuner to two interested visitors.

Both photos by Dawn Holmberg WØXZ

## Notes from the Editor by Dan Meyer NØKFB

You may not be aware there is an exciting amateur radio event being planned in October. Over a dozen seminars on ham radio related topics are being presented. An organization has been created for this group; the Minnesota Affiliated Radio Clubs, and is planning the event. I have volunteered to take care of audio-visual needs for the seminars. *I need help*, as there are multiple events being planned to happen at the same time, and I need helpers to make sure everyone in the room can hear the presenter and to make certain the presentation is being recorded; if there is a problem you can not resolve let me know. No experience is necessary! If you can operate a 2 meter radio you have enough technical skills to be of assistance. The only downside is you will need to purchase a ticket; the conference policy is that everyone attending with the exception of the people presenting seminars will need to purchase a ticket. My contact information may be found in the officers contact list in the Ground Wave. Thank you for your consideration to help us make this event a success! -- Dan Meyer NØKFB

**MINNESOTA**  
AFFILIATED RADIO CLUBS

**PRESENTS**



**Seminars      ARRL Forum**  
**VE License Testing**  
**QSL Card Checking**

**SATURDAY**  
**OCTOBER 14, 2023**  
**9:00 AM to 4:00 PM**

**Advance Registration (8/8 - 9/31) - \$30**  
**Registration (10/1 - 10/14) - \$40**  
**(All registrations thru 10/8 include lunch)**

**Hennepin Technical College**  
**9000 Brooklyn Boulevard**  
**Brooklyn Park, MN 55445**

*For More Information, see <http://mnconvention.org>*

**2023 ARRL Minnesota State Convention**

**Seminars**

Digital Modes FT8/FT4/JS8Call	HF Operation from an Electric vehicle
QRP	Introduction to Logging and Spotting
POTA - Getting Started with Parks On The Air	NanoVNA, TinySA
"GO" Kits	Choke-UnUn Design and Measurement with NanoVNA
6 mtr Dxpedition	Get On The Air with a Limited Budget
6 meter EME	DX
ARES/EMCOMM	Satellite / ISS Communications
ARES/EMComm Technical Competency	Introduction to 6 meters
Introduction to Radiosport and Contesting	VHF Contesting
Transmitter Hunting (RDF) Radio Direction Finding	The World Above 50 MHZ
Expand Your Horizons with Remote HF Operation	A Gentle Introduction to HF
Repeater Digital Modes (AllStar)	Propagation and Solar Weather

**Limited Availability!**  
**For more details**  
**and signup info,**  
**scan the QR Code Now!**



## Club Wearables

Some folks have been asking about our Club Wearables. Many different items may be ordered at: <https://www.hamthreads.com/> It's the same website with a new owner. Dale spoke with 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 and pay. Sit back and it comes to your house. If you have questions, give them a call 817.602.1834

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## St. Paul Radio Club Breakfast

**Saturday August 19th, 2023 9:00 am**  
**Saturday September 16th, 2023 9:00 am**

**(Third Saturday of each month)**



**Denny's Restaurant**  
**1664 University Ave. W.**  
**One block West of Snelling Ave.**  
**(Across from Ax Man)**

## SPRC Contact Information

President	Bierbaum, Ralph, NØAWN	<a href="mailto:rwbierbaum@comcast.net">rwbierbaum@comcast.net</a>	612-201-9510
Vice President	Welna, Kevin W5LNA	<a href="mailto:kwelna@gmail.com">kwelna@gmail.com</a>	651-354-5515
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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

- Fri Sept 8 6 PM SPRC Board meeting Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*
- Fri Sept 8 7 PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Sept 9 9:30 AM Amateur Radio testing administered by Saint Paul Radio Club  
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville, MN
- Sat Sep 16 8AM- Noon. Lake Elmo Tailgate Hamfest.  
8247 27<sup>th</sup> St. N. Lake Elmo, MN 55042
- Sat Sep 23 9AM-Noon. 31<sup>st</sup> Annual Rush City Radio Rendezvous.  
Rush City High School. 51001 Fairchild Ave, Rush City, MN 55069
- Sat Sep 23 7AM-Noon. TCFM Club Last Chance Tailgate Swap Meet.  
West Medicine Lake Community Club. 1705 Forestview Lane N, Plymouth, MN 55441
- Fri Oct 6 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*
- Fri Oct 6 7PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Oct 7 9:30 AM Amateur Radio testing administered by Saint Paul Radio Club  
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd,  
Roseville, MN
- Sat Oct 14 ARRL MN State Convention.  
Hennepin Technical College. 9000 Brooklyn Blvd. Brooklyn Park, MN
- Sat Oct 21 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.

## Zoom Meeting Information

Simply click the link below (or copy and paste link into your browser if that doesn't work) or call in from any phone.

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

SPRC Monthly Meeting

Time: September 8, 2023 06:00 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

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