

 <p><a href="http://www.arrl.org">www.arrl.org</a></p>		<p><b>St. 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.magicrepeater.net/sprc.htm">http://www.magicrepeater.net/sprc.htm</a></p>	<p><b>KØAGF</b>  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 OCTOBER 2023 – Volume 83, Issue 8**

**NEXT MEETING: FRIDAY October 6th, 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 October 6<sup>th</sup> meeting is scheduled to be 'The Current State of Emcomm Training and Response in Minnesota' presented by Ryc Lyden KDØZWM

## **NOTICE**

The Saint Paul Radio Club will conduct elections of two Directors-at-Large at the November Member Meeting, 7:30 p.m. November 3, 2023.

The Board of Directors has charge and general supervision of the affairs of the Club and each of the seven members has one vote. Directors-at-Large do not have specific responsibilities defined in the bylaws but may accept responsibilities assigned by the president.

Only members in good standing, holding a valid Amateur Radio Operator's license of any class, and a member of this Club for at least one year, shall be eligible for an elected office.

To self-nominate, suggest a nominee, or join the nominations committee, please contact Don Kelly, Nominations Chair, at [dk@donkelly.biz](mailto:dk@donkelly.biz) or 651-276-4838.

### **Please Get on The List**

Volunteers have made the Saint Paul Radio Club what it is for nearly a century and a number of our members have been volunteering since the last century.

When we talk about needing your help, we tend to talk about the big jobs, but the real need is for lots of members to each do a little job—anywhere from a few hours a year to a few hours a month.

I have a list of a couple dozen SPRC members who are doing about 40 "jobs" for the club—and a few are not getting done. I need to expand the list!

To get on the list, please contact Don Kelly, Volunteer Coordinator, at [dk@donkelly.biz](mailto:dk@donkelly.biz) or 651-276-4838. Let me know what sort of things you like to do.

## Tree Removal by Scott NØAR

I had four Ash trees that were infested with the Emerald Ash Borer. This year they were bad enough that waiting to have them removed was no longer an option. Of course this left the stumps that needed to be ground down below grade. Luckily I didn't have any antennas in the trees but I did have coax buried close to the trunks. At the time the trunks seemed to be the be the ideal spot to run my buried coax next to. After all who would dig or put anything next to the tree? Enter the stump grinder. It made short work of a run of coax and control cable. The control cable was spliced back together and the coax replaced with a new run. It was for receive use so RG-6 was the cable of choice. The thought of spending a few hours trenching in the wires was not appealing. I made a quick trip to Amazon and soon had biodegradable yard stakes heading towards me.



These were four inches long, the cable fit in the opening just fine! Installation was quick, you only need a stake every ten feet or so to keep the cable down. With a daily watering the grass has grown over the cable. Soon you won't see any sign that it was there.

This is the same trick that works for radials on a ground mounted vertical antenna. I have almost sixty radials and you would never know by looking. The only drawback is you probably don't want to do any power raking for a few seasons.

73 Scott

## **Dale's Details by Dale Maroushek NØPEY**

I somewhat miss the September meeting due to Covid and a poor Zoom setup and look what happened. We now have a new VE Liaison, welcome Ron, and a new Scout Liaison, thanks Dan, and Technical Assistance guy, go Tim. Maybe I should miss more meetings!

So after two rounds of Covid, I was well enough to make the Ham Fest at Bob's. Great to see all the guys again. What a showing, the whole driveway was full and flowing over to the other side. I counted 5 rotors and 4 Amps plus many good radios and accessories. I missed a few good deals by procrastination and then went back Thursday and bought Bob's old KLM 40 Meter dipole. I search the internet for a manual and found they also made a 2 and 3 element version, which I found manuals for. But no single dipole. Along the way, I found the names of the founders of KLM and they had their emails on QRZ, so I asked one if they made a single and if a manual was available. He answered with yes they made one, but he did not have any info. The search goes on, but when I picked it up, it has permanent length connections so we can just put it together and test it for band coverage.

After the fest, I journeyed through the back roads to Oak Park Height, after a reroute due to construction, for the MARC picnic, which I was cooking for again. We set up a station and used Ron's new chameleon antenna. With the Big Shot sling, we shot one end up high and the other just lays on the ground. It worked fine on all bands listed. The guys rotated through and made 50 contacts that afternoon. The turnout was low because we didn't get the invite out on time so the 8 or 9 guys that participated did a good job. We ate high on the hog as they say with burgers, pork chops, chicken, shrimp and all the fixings.

I brought the Data Base up to date after I received all the membership apps and sent it out to the Board. I will continue to do that at least monthly. Our new method of handling funds is working well.

Breakfast today was crowded with 11 of us so three conversations worth. Since coffee is \$3.59 now, you really have to drink a bunch to get your money's worth. The Moon was over MiHami today!

So what is coming up? Sad to hear from Ben that he won't be running for his seat on the Board, and that Ralph doesn't want a second term. Volunteers are welcome and we will be doing motivational nudging on likely candidates. Join the fun and just do it!

Still need to pick the website to keep, one is enough. Then we have to learn how to use it.

Find a helper for audio visual so that if Dan is gone, the show goes on. The equipment is there, just get cable A to slot B and we should be fine, or so I've been told.

Program volunteers have been slow coming in, but we have a few. Hopefully we will fill the months ahead. More importantly, how about a chair for this job? It's listed as a Board function, but it shouldn't be.

The Worked all MN Counties chair is still empty. Jay still needs a helper with snacks if he can't make a meeting. Ben is off, so I will need an Auction trainee, cause I'm not doing it forever.

**Now back to Okinawa, fall of 1969.** Really not a great change of seasons there. Summer highs in the 90's and winter lows in the 40's, hurricanes when and if they effected the island. Somewhere on the interscreen is a picture of Kadena Air Base looking down through the eye of one cane long ago. I lived through two, one in the barracks and the other at work (backup power). The barrack had windows almost ceiling to floor, for ventilation (no AC or backup power), to get cross currents of air. Great for normal days, bad for hurricanes. High winds caused them to leak water in, so it was a constant battle to mop (no wetdry vac) it up and dump it. We also reversed the bunks to the middle isle to keep them dry. Couldn't get to the mess hall so they offered C rations, which I always enjoyed, but others not so much. That was a short one on a day and a half, the next one was three days as it decided to spin around the island for a second pass. I was in the building at work, yes reception went on because there was no hurricane where they were. We planned ahead and brought snacks and food with us or it was C rations again. The snack bar guy had stayed with us to run the griddle and serve what he could. So I brought a beef steak in with me, had him keep it cool, and cook it when I asked for it on day two. It's funny now, but sure shows the differences for culture and cuisine. He tossed it on the griddle where he made burgers all day. Checked it and flipped it, but became unhappy with the speed it was cooking. So he grabbed it and put it in a rice cooker with some water and boiled it for 5 minutes, then back on the grill. Not a good idea. Poor thing came out light gray and limp. Tasted like soft leather. Coming out after the storm, we found many trees without leaves or branches and some roofs damaged along the roads. Luckily we didn't get a storm surge of ocean water into the flats, which would have been bad.

So I hear there is a museum or display of the WWII attack and clearing of the Island somewhere over on the big Fort Buckner. I found it, and was entertained and educated about how all the units came inland (unopposed) until they found the enemy inland and how it took over 2 months to clear them. Unfortunately, death was by suicide jumping off the cliffs on the south end when all else was done. I also took a motor trip down and around the island and stopped at the Castle and cemeteries of all the poor casualties.

There is also a wonderful U tube story of how Navel guns were heavily used to support ground operations during the battle. Fort Buckner, named after the General who did XYZ back in the day to make him famous enough, sat on the hills at the isthmus of the island. It had everything: huge PX and Commissary (like early Cub stores), bowling alley, all types of Clubs with entertainment, Movie Theater multiplex (in 69!), churches, VFW/Legions and much much more to keep the massive US troops happy. The hospital was a navy function a Fateama. Down the road Naha, the capital, also had everything we did but smaller and more congested. All the services were there and shared everything. Why not, all US dollars paid for. The Marines used the north end from Kin village up. The troops came in first, spent 2 or 3 weeks training for Nam and left, while guys coming back came in and spent 3 or 4 weeks recuperating, (later to be defined as a 30 day drunk). If I recall, Marines were welcome to come south to visit us, but we were not welcome up north of Kin.

One more for tonight. I took the girls up north for a motor tour in the Fiat. It ran fine on level areas, but I noticed the temp gage was moving when we hit some hills. We had gone up the east side and took a cross island road to get back and take the west side road back. Central island is a big hill up and the Fiat was steaming. Got to the top but had to stop and let her cool down. I stopped at a field road entrance and let her steam, but I knew I needed to replace the liquid. We had a water bottle and added that but needed more. I searched around the road, pineapple on one side, tea on the other, and low and behold, I found pap sans secret big saki bottle in the grass! Let say I ran into some resistance when I said I was going to pour it into the radiator. Screams of we will catch fire and blow up, but, it was that or walk. In it went, nothing blew up, down the hill we went. Gas station on the coast, refilled everything and carried extra water and food for all and started home. I recall a long slow(max speed on Oki was 30mph), quiet but explosive atmosphere from the wudgy wudgy (mad) lady next to me and the other crying in the back seat waiting for the rear engine to blow up. Needless to say, we all made it back. So I needed to figure out why she overheated, the car, I knew why she did! So after checking coolant level and if the thermostat was working (it was) I crawled underneath and found that the radiator scope was partially obstructed and the radiator itself was covered over with crap. Driving down Route 1 one day, I spotted a sign, steam cleaning. I drove in and talked to mama son, no English, but got the idea across. Blast everything around the engine and down and around the radiator. She worked her magic for a few bucks and off I drove never to worry about that problem again.

Swapping stories with Steve and Mark at breakfast, we exchanged a few things about Clark AFB and the Navy jobs on Oki. I only got to stop at Clark going over to Nam. As I explain it, they let us out of the plane to stand around and expose us to what we should expect, being 95 degrees and 95% humidity in Nam. Steve lived there for a few years, Military brat, and I think was stationed there later on. Mark was there and lived at the same Torrii station on Oki, but worked up the hill at the Flare 9 antenna location. Google the Flare 9 or 10 and read about them. Probably one of our finest antennas of the era, but politically a poor investment. It cost us (USA) twice plus more to take them down than put them up.

Next month: Purple Jesus Christmas in July, the fight at the ball game, soccer ball in the groin, weapons and qualification, and more.

Dale Maroushek, NOPEY



"No Greg went to the ham auction this afternoon, to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now!"

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

Summer is now in the rear view mirror, but at least it is still visible!

It was a busy summer what with the our a basement being finished, replacing 6 windows on the main floor and adding a pool heater, plus we made 2 RV trips. Summer went by way too fast.

On the upside it is Fall. Lots of fresh produce at the farmers market and maybe a little grouse hunting? It also means it's time to check the antennas and connections, tune up the radio, organize the shack and pull out the soldering iron so I can get building! I do have a couple projects in mind. To that end, I have put the keyer I was working on on the back burner for now and I am gearing up to build the QRP Labs QMX all band HF Transceiver

Additional Fall\Winter projects include but are not limited to:

Updating the software in all my radios.

Linking my main radio to the N3FJP logging software and learning to use it.

Trying my hand at the digital modes.

Practicing my Morse Code, including making contacts and logging them.

I have my eyes on a new HF rig for the Go box, I am looking hard at the Xiegu X6100. Fingers crossed it goes on sale in the next few months. The current price is a bit steep for a QRP radio in my book.

I'm just beginning to pick up my radio activity. I'm back to practicing Morse Code and amazingly after what amounts to a 3 month hiatus, I have not fallen too far behind! Alas I still need to get better. My goal is to get to a solid 20 words per minute sending and receiving by the spring time. I do think it doable! But I will have to knuckle down and PRACTICE!

Still looking for a used and reasonable priced screwdriver antenna for the RV. I will search more for this once the snow flies.....Sorry for using that 4 letter word....

Back to the QMX transceiver, I do plan on doing a build log of this kit and posting pictures of my progress and observations in the Ground Wave. Stay tuned if you are interested.

Due to prices, availability and a lack of available components, I did not get out and do much shooting skeet this summer. I did go a few times, but all I could think about was how will I replace what I used... It took a lot of the fun out of the activity....Happily, prices for components and their availability seem to have finally settled down enough where I think I can start pursuing this hobby once again, just not as often as I would like.



I did get out and fly my RC planes a little bit again not as much as I would have liked to but between the weather and the rest of the distractions in my life over summer. I am in the process of building a couple of planes. One is a kit (Thomas Morse S4C) and the other will be a scratch built (DH -88 Comet). I will post a few pics as these builds progress over the winter as well since a few of you are kind enough to ask about them.

The 3D printer and the laser cutter are going most of time. I am designing a bunch of tooling and jigs for building model planes etc. The laser is cutting out the balsa wood parts for my planes. Plus the XYL has tasked me with cutting out mini X-mas Trees from thin plywood for one of her crafting projects. Hmm, maybe this is a good time to ask for a few extra dollars and upgrade my laser to 40 watts??!!

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

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

Kevin Welna W5LNA

P.S. Don't forget about going to the ARRL Minnesota State Convention!!

## 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 October 21st, 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)**

## BoD Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club  
Hereinafter referred to as “SPRC”  
Board Meeting Minutes  
9-08-2023**

Board members present: (If \* or R) (e if excused)

Ralph Bierbaum-(Pres.)-NØAWN e                      Kevin Welna (V. Pres.)-W5LNA \*  
Art Thell (Secy.)-NØIWQ \*                                      George Power- (Treas.)-KØGCP \*

Br. Bob Walsh-WCØJ \*                                      Ben Otto-KEØRFZ  
Lou Michaels WD8NOV e

Also present (If \* or R):

Jay Maher-NJØM \*                      Jeff Iverson-WB9DAN                      Dale Maroushek-NØPEY R  
Pete Guldán-KDØSQJ \*                      John Crabtree-KCØG \*                      Don Kelly-WA6ZMT \*  
Dan Meyer-NØKFB \*                      Janet Bierbaum KDØBZZ                      Dawn Holmberg KØWC

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**6:20**      **VP Kevin** called the meeting to order.

President: Call for added agenda items: \_\_\_\_\_

### **Old Business:**

Secretary’s Report:

Move to accept Minutes of 05-05-2023 as published in the Ground Wave (July):

Move    Art                      Second                      George                      Passed

Treasurer’s report: George

General Fund: \$6152.90,    Repeater Fund: \$984.25    Education Fund: \$1290.38,  
Total Cash on Hand: \$8427.53.

So noted and filed: Secretary

CDH ARC Report: Br. Bob: CDH is conducting an activity fair on Sept. 20 and Ham Radio will be included in the available activities.

The ICOM 7700 at W0CDH has been replaced with the ICOM 7300 for simplicity sake.

The ICOM 746 Pro has been added to the station as an operating option.

ID cards for the W0CDH station have also been printed and are being used.

Repeater Report: Dale:

Repeaters are working—almost no activity of 444. Mhz. unit.

Membership Report: Dale,

The 2023 fiscal year was capped out with 146 members.

Year 2024 currently has 35 paid and counting.

VE Report: No VE. Club needs a VE coordinator.

Training Report: Pete

No classes yet. Need 6 or more candidates to make classes worthwhile.

Field Day Report: Pete

Successful Field Day Event. 67 people involved.

Final score not in, however there was a higher contact count than previous events.

Final food bill submitted. Pete is donating the generator gas.

Discussion ensued regarding compensating the Benson's Airport Assn. for site use including their mowing the area. Discussion began with increasing the rate from the previous \$100.

Art moved that we compensate the Assn. with a payment of \$150 for this event.

Move was seconded by George. Passed.

### **New Business:**

Auction: Dale reported the Auction date is Jan. 27, 2024.

Club will need an Auction and Inventory chair as Ben KEORFZ is resigning the position due to other commitments.

Auction rule changes are postponed to the October meeting.

**Club Breakfast:** Normally third Saturday at 9:00

**Please note—Rescheduled this month to Sept. 23, 9:00 AM**

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

Adjourn:

Move: Art Second: George Passed

**7:15: Adjourn.**

## **Membership Meeting Minutes – by Art Thell, NØIWQ**

**Saint Paul Radio Club  
Hereinafter referred to as “SPRC”  
Member Meeting Minutes  
9-08-2023 7:30 pm**

**7:35 Call to order** by V. Pres. Kevin

22 Members present plus Remote.

Treasurer’s Report,

General Fund: \$6152.90, Repeater Fund: \$984.25, Education Fund: \$1290.38

Total Cash: \$8427.53

Membership report, Dale:

Fiscal year 2023 ended with 146 members

Current 2024 paid members is 35.

Repeater Report, Dale: Repeaters work. Almost no traffic on the 444 Mhz. unit.

VE Report:

Club lacks a VE Coordinator.

Dayton Hamvention Report:

Steve Scott WA7HPK reported a pleasurable drive in the shared motorhome.

All-time record attendance—loads of people everywhere.

Minnesota Hams had a BBQ on Saturday night. They also had a tour of the Dayton area and the Dayton Area Radio Association and Club Station.

Training Report, Pete:

None signed up. The number of Elmers required to conduct classes necessitate that at least 6 candidates need to be signed up to conduct classes.

Field Day Report, Pete:

Successful Field Day Event. 67 people involved.

Final score not in, however there was a higher contact count than previous events.

Pete is donating the generator gas.

Minnesota Section Convention: (Don) October 2023.  
Information in the September Ground Wave.

CDH ARC Report: Br. Bob: CDH is conducting a student activity fair on Sept. 20 and Ham Radio will be included in the available activities.

Other operating events:

**Would** somebody propose and manage a Special Event? Just an informal Saturday gig?  
Use your callsign or we can set up a special callsign on QRZ.com.

**These needn't come from the Board—anyone can do it. When is the last time SPRC honored a local memorial or historical icon?**

**Or:** POTA—Parks on the Air: Great activity for new HF operators to get their feet wet.  
Where's that Go-Pak? Or Portable Rig?  
Parks all around us! Both below are #K3381 and part of MNRRA.

Kaposia Landing—Entrance at N. Concord Blvd. & Bryant St. S. St. Paul  
S. St. Paul Parks & Rec.

Spring Park Reserve (Scharr's Bluff) Off Co Rd. 42 W. of Hastings.  
Dakota County

**Club Breakfast:** Normally Third Saturday----

**Due to conflicts--Rescheduled** to Sept. 23 at 9:00 AM.

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

Move to adjourn: Pete                      Second: Art

**Adjourn: 8:25**

## 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
Past President	Michaels, Lou WD8NOV	<a href="mailto:louthephotoguy@gmail.com">louthephotoguy@gmail.com</a>	612-638-8159
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	Otto, Ben KEØRFZ	<a href="mailto:ke0rfz@gmail.com">ke0rfz@gmail.com</a>	651-352-9590
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 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. Reservations required; Contact Ron Lundeen, KØKWN, Telephone 320-321-2744 or e-mail [Ronald@lundeen.net](mailto:Ronald@lundeen.net)
- Sat Oct 14 ARRL MN State Convention. <http://mnconvention.org> Hennepin Technical College. 9000 Brooklyn Blvd. Brooklyn Park, MN
- Sat Oct 21 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.
- Fri Nov 3 6PM SPRC Board meeting, Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School. \*
- Fri Nov 3 7PM Socializing followed by 7:30 PM SPRC Membership meeting. Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Nov 4 9:30 AM Amateur Radio testing administered by Saint Paul Radio Club volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville, MN. Reservations required; Contact Ron Lundeen, KØKWN, Telephone 320-321-2744 or e-mail [Ronald@lundeen.net](mailto:Ronald@lundeen.net)
- Sat Nov 18 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

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



## 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: October 6, 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/u/kuWkJhGiz>