

 <a href="http://www.arrl.org">www.arrl.org</a>		<p align="center"><b>St. Paul Radio Club</b></p> <p align="center"><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 NOVEMBER 2023 – Volume 83, Issue 9

### NEXT MEETING: FRIDAY November 3rd, 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 "Protecting Amateur Radio Frequencies"

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.

Each year the Saint Paul Radio Club sends thousands of dollars from the Annual Auction to the ARRL Defense of Frequencies Fund. Find out how the money is spent and what ARRL and the International Amateur Radio Union (IARU) do to protect your Amateur Radio frequencies and privileges. Jay Bellows, KØQB, will fill us in and answer questions on the challenges facing Amateur Radio and what ARRL and IARU are doing to protect us from competing interests eyeing our frequencies.

Jay Bellows, KØQB, has been a SPRC member for more than 60 years and was an ARRL Board Member for more than 20 years. As ARRL International Affairs VP and a member of the IARU Region 2 Executive Committee for 10 years, he has some insight as to how ARRL and IARU work to protect our frequencies. Over the years his interests have included chasing DX, FD, CW and, most recently, FT8.

## 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.

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

So what did October do for us? I came home from the meeting and told Deb that I was President again. She just shrugged and throw a towel at me. Not much on the agenda for November's meeting yet, but I'm sure it will fill up the time we have for it. Members that want to propose any ideas about club improvements or activities are always welcome. I do have my eye on the By-Laws that haven't been updated since 2007 though. That may be in another article later.

The first run with the new VEL, Ron, went well. We had 3 VE's for each of the three candidates. We shared the work and got two new ones and an outstate one to spare. I looked at the running VE sessions list on the ARRL website and it is surprising to see how many we all have attended.

Then we did the MN Convention on the 14<sup>th</sup>. George, Andy and I recruited for the Club and passed out the information on the Auction and Banquet coming up. No new ones yet, but I did corner three returning guys, so we call it a success. That would be a great project for a group of creative people to jump on. How about designing and making a booth presentation for our stuff. Get some display holders and jazz it up a bit rather than some piles of paper. Who wants a challenge?

I went to two of the many seminars and programs that were presented. One had technical problems and really didn't get his full time to demonstrate the tool and the other was pretty good, but I don't use that particular logging program. The facility was adequate and the lunch was Subway plus a cookie and chips. I understand plans are in the works for next year's bigger and better Convention. Many thanks to the crew that got this one put together and available.

Just back from the Breakfast, we fielded eight today, but we stayed longer and swapped more stories. I tried the Crepe's this week. I give them a nine and the waiter trainee did a good job too. Then I drove over to the Kramarczuk's on East Hennepin and stocked up on all good things from Ukraine. Sausages and deli meats you won't find in regular stores. They even surprised me and had Blood and Tongue this week, a real favorite of mine, next to Head Cheese. They also have baked goods and a large selection of sauces and cookies. Plus, they serve all these items in a cafeteria style dining room. I have to take Deb there sometime, but be advised, parking can be terrible! A few Garage sales on the way home, and picked up more drugs at CVS.

Tuesday, we are finally going to get Mom's ashes out to Ft. Snelling with Dad. You have to get there early, line up and be escorted to the chapel site, get fifteen minutes to do you thing and disappear. I'll report back on this next month.

Halloween last year was better, but still not like it used to be. What is? I think we had seven groups, so we had a few bars left over. Then we will have Veterans Day. They always have the ceremonies early in the morning. I try to be up by the crack of noon, so I miss most of it. Say thank you to a vet if you can. Then the beloved deer season fits in there someplace. Men go into the woods and women go into the stores, what a country!

Finally, Thanksgiving rolls in and Dale gets to cook up another big meal. Probably serving 16 to 20 again this year. So it's a brined whole bird in the oven, a smoked one in a steamer, with a dissected one in the grill. All the giblets and other spare parts get boiled up and deboned for soup stock to be made later. Traditional green bean casserole and a root vegetable bake. A couple different dressings, mashed potatoes and something done with sweet ones too. Assorted pies and cakes or other anti-diabetic food, with a taste of wine and a snifter of brandy to top it off. Black Friday then becomes Sleep Friday to recover from all this! Just shop on line and let them bring it to you.

Back to Okinawa and the stories that are fit to print here. Weapons, George and I talked about them at Breakfast. He was in Korea and like me in Nam (in the rear with the gear as they say), were issued the M-14, along with two magazines of 20 rounds each. So after 40 shots, you throw it away and hide. I never fired a round. When I checked in to Okinawa, they send you down to the armory, where all the weapons are stored. You are issued a weapon, the M-16, by serial number and you have to go there to clean it once a month. If you don't, you get yelled at by the First Sargent, or worse. I had never been trained on how to clean this, but a quick show and tell and I was good to go. So, one month we get notified that we would indeed have to do our yearly rifle coalification. Having never shot mine, it was not sighted in. They only gave us 6 rounds to a line it up, unsuccessfully! So I had to use the old Kentucky Windage method, shot at something, see where the bullet hits and the aim accordingly to hit the target. It worked and I obtained another Marksman badge to pass the test. Cleaned the weapon, checked it back into the armory until the next month.

The Army decided we needed more exercise, so our Sargent took us down to the soccer field and had us run around for an hour a couple times a week. I saw the guy and he kicked it, it was a riser, and it was hot. I thought I would jump over it. I didn't make it. That soccer ball hit me square in the groin and I was down for the count. I did the long haul back to the barracks and my car.

Sports teams were important amongst the troops and the cadre, to show off. If you weren't on the team, you were expected to be in the stands sometime. I'm in the cheering section and we all were doing what you would call abrasive cheering. Like, "hey 22, your shoes untied." So we (more than just me) razed the other team pretty good and yes, alcohol was involved. Our stands were in the shade so most people were on it because the sun is hot. Unknown to us, a couple of wives from the other teams men, were in the cheering area. When the game was over and were getting ready to move, I looked down at the field and saw a lady pointing at me, standing next to a player. Suddenly, the player charged up the stands and jumped on me knocking us down.

Others broke us up without any punches thrown, but you know the Army, someone had to make a report. So the next day, we are in front of the Captain and I explained my side pretty much like it is. The player said his wife told him that I had made insulting comments to her. I guess the Captain figured his physical assault and my verbal ones offset each other and if we agreed to not do it again, no disciplinary action would be given and the case would be discarded. Happy ending.

Call it tradition, or something else, but when you are stationed in the tropics and have no snow or cold, not only do you have Christmas in December, but you get to have a beach party Christmas in July. Now if you use Google Earth or Bing and search "Okinawa, Torii Station", you will get a great pictures of the beach. That was not the case in 1969/70. None of it was there. We had to drive north along the coast to get to some unmanned beach behind the dunes. Welcome to a Purple Jesus Christmas. A nice new plastic trash can, an oar or stick to stir with and ice to cool it down. Add the wine, the booze and fruit juices and fill your cup or bottle, and enjoy! At first you can walk around and talk to other people, but as the evening goes on, you prefer to stand near the juice and talk to one person next to you. It's kind of like everything is just fine, then you blink and it's dark and you want to sleep. Ah, but you have to drive home. There was a little narrow bridge we had to drive over to get out to the road. For some reason, I was backing over it and the left rear wheel slipped off the bridge. I was the last one coming out, and we had put the trash can with the PJ in the back seat. Waste not the magic potion. So I'm running (stumbling) down the path and get some helpers to come back and we lift and push the car back on the bridge and over it. Off we go back to town or barracks. Others had left earlier. About half way back, we see flashing red and yellow lights. Seems that one of the boys car needed a wash so when the road turned left, he didn't and drove off the seawall (only about 3 feet) and into the bay (tide was out). Here I come, with a bucket of booze in the back seat, and totally smashed. The authorities were more concerned about the swimming car then us, so they waved us through. Once I got into town, I figured I'd be smart and take the back roads to the house. The Fiat got a bit thinner that night as it squeezed between something on one side and a utility pole on the other. I made it down my alley and parked it without falling off that wall either. And I didn't spill a drop! To make it worse, I was there for two PJ parties. Second one, I was smarter then.

Next month the CWO Mustard file, the big strike and riot, the streets of Koza, the SR-71 Blackbird fly over.

Dale Maroushek NØPEY

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

Happy Fall!!

The boat and RV are winterized as is the pool and the in-ground sprinkler system. DON'T FORGET TO SHUT OFF YOUR OUTSIDE WATER!! If you did forget, go do it now, I'll wait till you get back. Besides, I am a rather slow at typing, so even if I were to keep going, you probably won't miss much.... HI HI We are almost ready for what comes next weather wise. Still need to do a bit of throwing, organizing and cleaning in the garage and we should be able to fit the cars inside.

Now where to begin?

So I went to the ARRL State Convention up in Brooklyn Park. Very nice venue and my hats off to all those who worked so hard to put on a great convention. They did a fantastic job especially considering this is the first convention in way too many years. I am hoping they do it again next year. If they do, I will be there come hell or high water.

I could not attend all the different conferences as there were quite a number of them. I did attend what I could and happily I was able to pull a few ideas and a couple of great pieces of info\inspiration from each conference. What more can you ask for? If I had one complaint, it would be that the individual conferences were a bit too short, I think each one could have benefited from an additional ½ hour or even more. BUT, that means that it was a great success as it was never boring and the material presented was both useful and pertinent and the speakers were engaging. Again my hats off to the presenters and the organizers. Maybe we can get this up to a 2 day affair?? Wouldn't that be cool.....

OK, on with the convention conferences:

I attended the Digital Modes conference first thing in the morning. It convinced me to give digital a try this winter. I got all the needed stuff so why not? Initially I will do it using my lap top, but I really want to see if I can set up a Raspberry Pi to handle all the sending, receiving and logging. More on that in a future issue of the ground wave. Supposedly it is possible and not that hard. If I can pull it off, I can have a 40 dollar computer that can be battery powered but only draw about an amp or two when running full bore. I am also hoping to add a way to use solar to both run the equipment and charge the field battery simultaneously. I will do some power consumption tests once I assemble all the parts and figure out how to make it all work. Most if not all the software has been written, so it is only a matter of loading in the FREE software, and setting up the configurations to match my ham radio.

This leads me into the second conference I attended. Which was the QRP presentation. Again the time flew by and again it gave me more ideas on things to do and think about. As I stated in an earlier issue of the Ground Wave, I have purchased an I am going to build the QMX Multi Band Radio I bought from QRP Labs as well as watch the pricing on the Xiegu x6100. (Both are QRP radios.) But of course now there is a strong rumor that Xiegu is coming out with a newer\better model. We will see how that all shakes out over the next few months. Since I have more time than money or sense, I will wait this whole radio thing out for now. Again it looks like there is rig control software for the Raspberry Pi that will work on the Xiegu radios and maybe even the QMX. Oooo my nerd senses are tingling!!

A most excellent presentation was given on the Nano VNA. Inspired by the speaker, I will be taking mine out of storage and start playing with it over the winter. Alas I have the older and smaller screen version, but there is a software package that can be installed on a computer or a Raspberry Pi (Do you see a pattern developing here?) It pulls the data from the VNA and puts it on your computer screen. I believe you can also configure the VNA with a keyboard\mouse (Instead of using the touch screen, a magnifying glass and a tiny stylus that I'm sure is easy to loose.) with this software. I should be able to actually see the outputs from the device and not go crossed eyed trying to read that tiny screen. If all else fails, I'm sure the newer larger screen Nano VNA will go on sale come Christmas. Again, I can wait. Any one else want one? Maybe if we put in a multiple order we can get a DEAL?? Let me know and lets plan this out. I must say, these little VNAs pack a ton of functionality into a small and inexpensive package. It would be just the ticket when doing some sort of field activation.....Can anyone say Parks On The Air???

My final seminar was the Parks On The Air presentation. The presentation had a ton of ideas and little "tricks" to help boost your numbers and success rate. Since this is NOT a contest, it has an even greater appeal to me. I really want to try this next spring\summer. Maybe this winter? Hams On The Ice anyone? This looks to be the perfect HAM activity for me. I imagine myself sitting at a park table either by myself or with a few other hams, making a few contacts and filling the rest of the time BS-ing with others. I truly see this as a great way to enjoy the hobby. It might even help promote the hobby!? Did I mention that there is logging software with a configuration just for POTA that also runs on a Raspberry PI? My mind is aflame with the possibilities.

In Ham radio, I'm still practicing my Morse Code and I still do a weekly meet up with a friend (KC3PBY) to practice for an hour or so. I never got the big antenna up on the roof, maybe next year? Maybe a different antenna? Too soon to tell. In any case, I will need to figure out a way to mount it and the other antennas more securely as the current mounting is pretty wimpy and questionable.

What else is going on ? Well I'm in full swing building model planes (See pictures below). I am enamored with the idea of converting thick and tissue free flight rubber band powered model planes to electric motors and RC. This is not a new idea and has been done by others so there should be information on the internet to help me with this adventure. I'm up to about 40 sets of plans for planes I want to build and fly, I have no idea when I will have the time, but its good to know I won't run out anytime soon. I am playing with buying a second physically smaller RC transmitter so I can keep a plane or two in the car. Then I will be able to fly when ever the mood strikes or the opportunity presents itself. Amazingly this 8 channel radio is under \$70 and comes with all the bells and whistles. Interested? Call\email\text me and I will get you the link. I have their bigger radio and I am quite happy with it.

The 3D printer is again running almost continuously with either model plane or ham related projects\parts as is the laser cutter\engraver. I was able to add a powered venting system to the outside of the house for the laser cutter\engraver which is great as my son has a resin printer (It really stinks when it is running!) that we want to get up and running indoors as well. My lamp-working glass station really needs to be vented as well because the glass when heated to around 2000 degrees tends to give off some odd gasses and smells (Mostly smells like chlorine) So I really need to duct that into the venting system as well. I probably shouldn't be inhaling any of that stuff on a regular basis. That being said, I am sure the inhaling of fumes from the model airplane dope and solder smoke isn't helping me retain brain cells either! God I love hobbies!!!!

Raspberry Pis are back and available! If you were ever interested in playing with the Raspberry Pi 4, They are coming back and showing up on the shelves at Micro Center for the "Correct" price. (Around \$35 for the 1 Gig model). So far the 1 Gig model has been more than enough for all my Raspberry Pi Projects. Plus there is a new Raspberry Pi 5 slated for release later this year\early next year. Any bets it shows up just before Christmas? HI HI



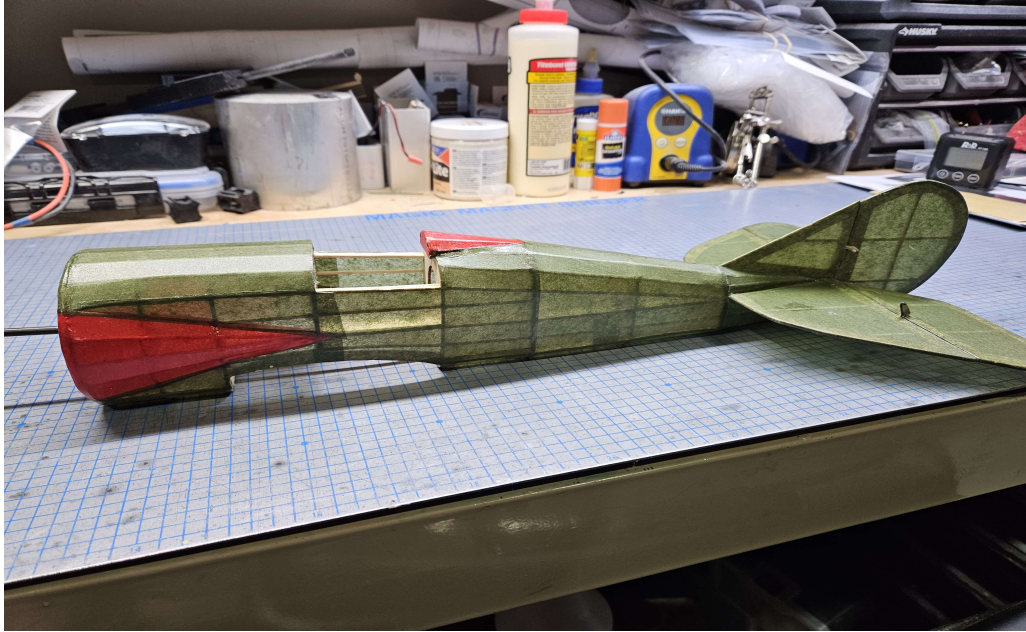
A few Pics for your entertainment:



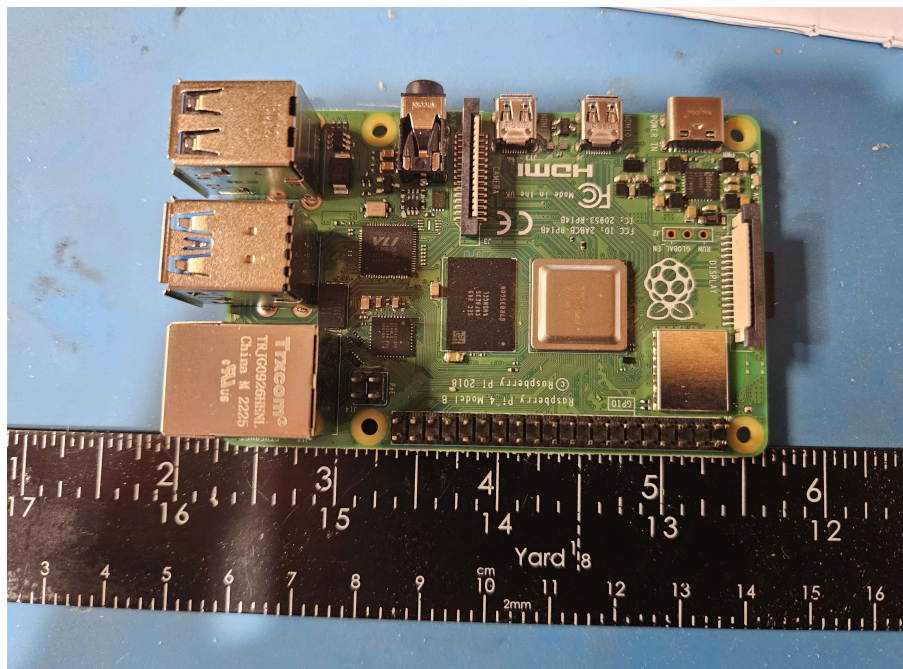
A shot of the workbench and the Thomas Morse S4C lower wing being built. That is the upper wing in the background. Built and covered in tissue.



Close up photo of the cockpit area with the 2 servos installed. For perspective, the cockpit area is about 2.5" wide x 2.5" long. These servos will operate the rudder and elevator using Upholstery thread in a Pull\Pull configuration.



Fuselage covered with olive drab and red tissue. Waiting for a couple coats of dope to tighten it up and give it some strength.



Here is my Raspberry Pi. Its basically a quad core computer with no peripherals attached, but has ports for USB, Video, audio etc. It's an amazing piece of technology for very little money and it actually quite easy to use! No programming experience needed!

That's if for this month. Till next time: May your signals be strong and your antennas have extra gain....73

Kevin Welna W5LNA



## 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 November 18th, 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

10-06-2023

Board members present: (If \* or R)

Ralph Bierbaum-(Pres.)-NØAWN \*

Art Thell (Secy.)-NØIWQ \*

Br. Bob Walsh-(At Large)-WCØJ \*

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

George Power- (Treas.)-KØGCP \*

Lou Michaels-(P. Pres.) WD8NOV

Also present (If \* or R):

Jay Maher-NJØM \*

Jeff Iverson-WB9DAN

Dale Maroushek-NØPEY \*

Pete Guldán-KDØSQJ \*

John Crabtree-KCØG \*

Don Kelly-WA6ZMT \*

Dan Meyer-NØKFB \*

Janet Bierbaum KDØBZZ \*

Dawn Holmberg WXØZ \*

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

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

President: President Bierbaum (NOAWN) read his letter of resignation from the position of President of SPRC due to extensive family demands on his time effective at the end of the meeting. He has indicated that he will remain a member of the club.

We thank Mr. Bierbaum for his dedicated service to the club.

## Old Business:

Secretary's Report:

Art moved to accept Minutes as published in the Ground Wave with a previously noted adjustment.

Second by George.

Passed

Treasurer's report: George

General Fund: \$6447.77, Repeater Fund: \$1189.25, Education Fund: \$1430.38,

Total Cash on Hand: \$9067.40.

Sept. Expenses detail:

General \$523.97

FD Porta Potty \$209.13

FD Airport \$150.00

PO Box \$176.00

Repeater Council \$30.00

So noted and filed: Secretary

CDH ARC Report: Br. Bob—CDH 2023-24 Activities Fair.

Brochures were handed out. 3 students responded.

Have one licensed teacher from last year.

Two students (members) graduated.

Repeater Report: Dale:        Repeaters function properly.

Membership Report: Dale,    Paid members to date: 75

Website report: (stpaulradioclub.org)        Postponed until next month.

VE Report:

      SPRC has a committed VE Liaison: Ron Lundeen (KOKWN)

Training Report: Pete

No new reported interest. Suggestions are to use You-Tube Videos that follow the ARRL Manual.

Minnesota Convention: Saturday, October 14. Over 200 Hams are registered.

Several SPRC members will be presenting. Check Ground Wave for more info.

Auction: January 24, 2024. An auction chair is needed.

Rule changes for 2024 were presented and reviewed.

**Club Breakfast:** Normally third Saturday> October 21 at 9:00

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

**New Business:**

Elmers are now Mentors.

Adjourn:

Move: Kevin            Second: Art            Passed

**7:00: Adjourn.**

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

**Saint Paul Radio Club**

**Hereinafter referred to as “SPRC”**

**Member Meeting Minutes**

**10-06-2023**

7:30 Call to order

40 Members present plus Remote.

Ralph read his resignation letter from the office of President..

Don called for nominations from the floor 3 times for candidates for the now vacant position of Club President. No nominations.

Dale (NOPEY) nominated himself to the position of President to serve until the May 2024 elections. Motion by Art to accept the nomination. Seconded by Dawn. Passed.

Don (WA6ZMT) nominated himself to the position of Member-at-Large. Motion by Pete to accept. Seconded by Art. Passed.

These two members will serve until the scheduled election for each position.

Secretary's comments: As I read the SPRC Club Bylaws, this necessitates that Ralph Bierbaum will replace Lou Michaels as Past President. (That is simply stated with no caveats).

President, Dale (NOPEY) proceeded with the order of business.

Treasurer's Report:

General Fund: \$6447.77, Repeater Fund: \$1189.25, Education Fund: \$1430.38

Total Cash on Hand: \$9067.40

CDH ARC report: Br. Bob

Carryover membership from last year. One teacher, licensed, is on staff.

Two student members graduated.

Results of CDH Activity Fair: Brochures were handed out. 3 responses.

Art will provide Br. Bob with several Power Point programs of his that link Ham Radio to cellphone and other technology.

“Elmering” is now “Mentoring”.

Membership report, Dale: 79 paid members as of now.

Repeater Report, Dale: Repeaters work.

Website Report: Don will be contacting Tom and George regarding the website.

VE Report: New VE Liaison: Ron Lundeen (K0KWN).

Minnesota Convention: Saturday October 14.

Details in the September Ground Wave. Presently 200 registered attendees. Also two SPRC Club members will present programs.

Auction: January 27, 2024

A new Auction Chair is needed!

Art Reported:

**POTA:** Great activity for new HF operators to get their feet wet.

Local parks—under the MNRRA (Mississippi National River Recreation Area) # **K3381**

Kaposia Landing (SSP). Generally open to use, several shelters, easy access. Large, open area. Entrance Bryant Av. off Concord Blvd. N. In my estimation an underused, well-equipped and maintained park.

Questions: SSP Parks & Rec. Shannon 651-366-6200

Also: Spring Lake (Dakota Co. off Co. Rd. 42) Contact: Dakota Count Parks

**Club Breakfast:** Normally Third Saturday---Date Oct. 21 at 9:00 AM.

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

Final Field Day performance report Pete (KDØSQJ):

GOTA contacts	40
Digital contacts	176
Phone contacts	218
CW contacts	498
Total QSO's	892
Total score 2023	4382
Total score 2022	3452

Thank you, Pete, for a great job!

**Adjourn: 8:05**

**Program to follow:**

## 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:rwbiertbaum@comcast.net">rwbiertbaum@comcast.net</a>	612-201-9510
Treasurer	Power, George KØGCP	<a href="mailto:georgecpower@gmail.com">georgecpower@gmail.com</a>	651-233-3215
Secretary	Thell, Art NØIWQ	<a href="mailto:thellaj@comcast.net">thellaj@comcast.net</a>	651-492-0254
Member At-Large	Kelly, Don WA6ZMT	<a href="mailto:dk@donkelly.biz">dk@donkelly.biz</a>	651-276-4838
Member At-Large	Walsh, Bob WCØJ	<a href="mailto:brw.fsc@gmail.com">brw.fsc@gmail.com</a>	612-201-0818
Ground Wave Editor	Meyer, Daniel NØKFB	<a href="mailto:dan@meyer-family.net">dan@meyer-family.net</a>	763-238-8239

## SPRC Calendar

- 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.
- Fri Dec 1 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*
- Fri Dec 1 7PM Brief SPRC Membership meeting followed by Holiday Party.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Dec 2 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 Dec 16 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 are 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/j/kuWkjhGiz>