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Saint Paul Radio Club Ground Wave

Dan Meyer, NØKFB, Editor
Dale Maroushek, NØPEY, Publisher
<http://www.stpaulradioclub.org/>

KØAGF

Club Repeaters:
145.310 MHz, 442.450 MHz
Both use a 114.8 Hz tone

PO Box 9375
North St. Paul, MN 55109

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 December 2024

Volume 84, Issue 10

NEXT MEETING: SPRC Holiday Party Friday December 6th, 2024

- 6:00 PM Board Meeting (all are welcome to attend and observe)
- 7:00 PM Membership meeting, refreshments and socializing
- 7:30 PM Membership Meeting Followed by Program

It's time for the 93rd Annual SPRC Holiday Party! I just made that up. I have no idea how many holiday parties we've had but they are always a good time. We won't have a program for December, just a short business meeting and then on to the food and hanging out with friends. The club will provide the usual meat and cheese tray with rolls for sandwiches. We'll also have a veggie platter and plenty of soda and coffee. Members usually bring in something to share but it isn't required. We always have quite a range of sweet to savory to sample. Hope to see you there. – Jay Maher, Refreshments Chair.

Entrance to CDH for our meeting

Meetings are held at Cretin-Derham Hall High School located at the intersection of Hamline and Randolph in St. Paul. Park in the lot off Hamline near the athletic field.

Enter door 21 at the Ryan STEM Center addition. The meeting room is down the hallway on the right (the Commons). Door 21 will lock at 7:45; if you arrive after that, please call Br. Bob at 612-201-0818 to be let in.

Dale's Details December 2024

by Dale Maroushek NØPEY

Turkey day is just a couple days away to start our first feast here with two of the kid's families followed by the third one serving us on Saturday. We already celebrated Deb's Mother's 90th birthday last Saturday, just to get things started. Then I have the Clubs December feed, and the MARC's breakfast and holiday dinner. We want to try a couple new restaurants out this month and of course the SPRC breakfast the third Saturday. Probably end the month with a New Year's Eve pizza and game day sausages and chips. All low carb, of course. Have to watch that glucose level you know.

Speaking of medical issues and busy clinics, I got a note from my Urologist that it was time to schedule my yearly visit. Well, his online scheduler was FUBAR, I called today and after she ran up the account, the next available dates came up in March! Glad I wasn't in a hurry! The kidney Doctor was just as bad, but I see her in December. Tonight our Medicare broker called and is suggesting we change drug providers and drug stores. I have to look them over yet, but it took me the last five months to get my new one straight from June 30th when Deb retired. Plus I still have to sign up with the VA and see what happens there. Going to be hectic.

Luckily, all my reports have been within our expectations so life goes on. With the arm physical therapy we get into more and greater strength training for about 3 months.

Funny, I took the car in for its yearly oil change and service, it is fine for now, but looking at four major things next year. Tires will be ten years old, brakes are coming due, couple others things I can't do myself.

So where are we radio wise? The Wednesday night nets are doing fine with about nine check-ins each. Emptied the mail box twice and got the 2025 membership up to 66. Then I got the SARA announcements and they claim 177 members. Might have to examine what we are or aren't doing.

Ron, KORJW and I went out and collected a small and very old estate and we think there is still a real goody out there yet. It looks like it could be a very old and very large Quad with eight bamboo spun elements into a very heavy gauge main support and rotor pipe. Doing some research into it, but if anyone knows of such a historic monster, let me know and we can get it out of the garage.

The next estate needs to be picked up in December, so let me know if you are available to load and or unload. Pickup is in Roseville going to CDH. Then it all comes together with the big Auction on January 25th. The 24th for the staff and helpers, the more the merrier. The flyer will be attached to this mailing.

(continued on next page)

Took some time to estimate our Field Day results published in the December QST. We were in the 90th place area, the highest MN club in 3A, about 30 ahead of the next MN club. Even with our minimum score, we did OK. After all, FD is not a contest but an operating event for everyone to enjoy and experience as many areas of communication as possible.

At this time, work is progressing on the website and our hopeful means of paying dues and more via PayPal. I wish I understood more of what they are actually talking about, but my attempt to learn that stuff was long ago and just never followed up on it. My job is to cheer them on and keep the blood shed to a minimum.

A few words about Black Friday, it seems to be very long these days. I will be shopping with my same credo I use when shopping at Ham stores and fests: *only buy what you absolutely, positively cannot live without.*

Well the cats are surrounding me and it is treat time for them. For you investors out there, any pet related stock will continue to improve this year. It's a continuous process, feed in one end, pet it a bit and clean up what comes out the other end. Repeat over and over. We got them an automatic laser toy so we don't even have to play with them. Just turn it on and keep the batteries charged.

Dale Maroushek, NØPEY
President, again.

Oh, for Pete's Sake!!!

by Pete Guldan KDØSQJ

The Field Day results are published on Page 60 in December's QST. Congratulations to our friends in the Owatonna Steele Co ARC who topped the state with their 6A station. They made 1272 contacts and had a score of 5978. We did lead Minnesota in our 3A category with 550 contacts and a 3230 score. We also had 2 home stations that contributed to our club aggregate for a final club score of 3940 points. We once again led the way in what I consider to be the most important metric of Field Day. Even with a rainy Friday night and Saturday we still had 61 people who participated with us at Benson. A HUGE thank you to all of you who joined us and especially those of you who were there to set up, run, and take down.

I am now taking email at kd0sqj@arrl.net for anyone who would like to sign up for our upgrade study group. We will be starting with the General shortly after the first club meeting in the new year. We will be starting Extra shortly after the Auction. This will be online over Zoom and will meet weekly on Sundays at 2PM. We have had excellent results in previous groups. 100 percent of those students who have stayed the course have their upgrade. We just don't quit unless you do. If you've even thought it might be nice to upgrade you should at least check it out. The math isn't as bad as you might think. 73.

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

By the time you receive this, Thanksgiving will be upon us of maybe even over. First, an important question. What more important? The Turkey or the sides? For me its the sides, especially the stuffing!

I so love this holiday. It is a time for sharing your bounty with others and connecting with family and friends. We host Thanksgiving every year and this year will be no different. We will be entertaining between 20 and 23 friends and family. This requires 2 turkeys each weighing in at around 22-25 pounds. One brined and baked and the other brined and smoked. I'm in charge of the stuffing, smoked turkey and the bourbon maple glazed sweet potatoes. Yes, I use the giblets and neck in the stuffing.

Well it is almost Christmas time! If I don't see you at the Christmas party, I want to wish you a very Merry Christmas and a Happy New Year! So what are you hoping to get from Santa? I have a stereo microscope and a soldering rework station on my list. Maybe some engraving tools?? Oh the possibilities....and added hobbies.

On the Ham Radio front, things have been a bit slow and boring. I'm still trying to get in 15-30 minutes of CW practice each day and it is helping me bring up my speed and instant character recognition. I am currently using the Morse Ninja website and head copying the 100 most used words for CW at a letter speed to 20 -25 WPM (Words Per Minute) and a letter spacing (Farnsworth) of 10 WPM.

I am also working on a couple of presentations for the club. They will be: 3D printing, circuit board capture and design using Easy EDA and finally, building a ham shack clock using the Raspberry PI. A possible fourth will be a presentation on building a Raspberry Pi POTA computer complete with FLDIGI. The Pi will even interface with a QRP Labs QMX. It will also include logging software, the same ham clock as above and a computer interface for the Nano VNA with the whole thing running on a 12 volt LIFE battery. Come to the club meetings and learn something new.

Looks like adding a Hex Beam antenna to my roof / "antenna farm" will have to wait till next year. Although I did make a great contact at the last meeting. I was introduced to a gentlemen that is willing to do the antenna work (For a fee - Which is fine by me)
Thank you John - KDØCAC

I am also thinking of adding a Meshtastic node to one of my antenna masts. It will be solar powered and have a LiPo battery for night time use that should get charged automatically during the day. More on this as it moves forward. I have a bunch of research yet to do in this project. If I leave it low powered I can even use encryption on the messaging.

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The Hobby ADHD net has seen an up tick in participation. Last week we talked about making kimchi and pickling vegetables. The topics are broad and can be quite interesting. So, if you find yourself free at 8pm on a Tuesday night do come and join us on the 146.850 repeater. Tell us what you are working on or are thinking of doing. We would love to hear what you have to say.

Of course in the midst of playing around in my shack. (Actually I was looking for D&D miniatures for upcoming gaming sessions and paint kits so I can paint them.) I came across a cool looking laser cut Advent Calendar made of 1/8" plywood that looks like a book. When you open it up it has 24 small drawers (Approximately 2" square) to hold little presents or candy. Now here is the annoying part, just as I click on the item to see what it would take to build, my wife walks into the shack.... (OK, two things here: First, how in God's name does she always know when to show up to see these things? Second, I really gotta get a lock for that door.) Anyway, she shows up just in time to see the calendar and says: "Maybe you can make that for your Grand Daughter....". We all know what that means.... HI HI. Well anyway a few 12" x 12" sheets of 1/8" plywood later (15 to be exact, 18 if you count my mistakes) I have an Advent Calendar shaped like a book for my one and only (so far) grandchild. I didn't see that coming.... (The Advent Calendar not the grandchild.... LOL)

Speaking of D and D, my character is getting stronger and now has a pet baby blue dragon (Wormling) Since they live almost forever and grow slow it will be a while before he\she (Not sure yet if it is a boy or girl) becomes unmanageable. For now he\she likes to curl up in the hood of my tunic and peek his head over my shoulder. I have to keep him\her fed and happy. But he\she can still blast a pretty good lightning bolt and has 5 times the hit points of my main character. Cant wait for the next battle! (My God I am such a nerd!)

On the other hobby fronts, I found a larger 3D printed jet (Avro Vulcan) that is now in the process of getting printed as well as a number of small pod and boom gliders for some of my glider guider friends. I am considering leaving out the EDF - Electric Ducted Fan on this larger model and making it into a slope soaring glider, as are the other 3 club members that also want one. It has a 3' wingspan so it is going to take at least a week or two of printing to make each one.

I am still working on my article for one of the RC model plane magazines, To that end I am building yet another small pod and boom glider and this time laying out the construction steps with pictures. Its actually a bit of an undertaking but still a lot of fun. Anyone else interested in RC flying? Contact me and I can help get you going.

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The CG Scale is on hold until I can get more information on programming the Arduino and which libraries I need to install. More on this in the coming months.

At least the shack is filled with parts and components for radios, electronics and planes, so once the white fungus hits I will be ready. To that end, I am stocking up on parts and kits for the winter ahead (Electronics, Model Aircraft, Pen Turning, 3D Printing etc.). As usual I have lots of ideas and wild hares that will need to be addressed. But first I have to motivate and get the house cleaned up for the holidays and outside projects buttoned up for the weather ahead.

As far as other interests, I have made it to two USPSA shooting events at the Stock and Barrel shooting range in Chanhassen. I came in 2nd in my division but let me put that in perspective. There were only 6-7 shooters in my division. The winner's score was 3 to 4 times better than my score 3rd place was only 1/3 point behind me. I am terrible at the sport, but I still think its a ton of fun. Plus afterwards we go out for a nice meal and talk smart..... whats not to like?! Pen turning is still on hold as I can not yet find my tools etc. They are somewhere in the garage in a box or tub and I just don't have the motivation to dig through it all and find them. Maybe later this winter? The garage is somewhat heated so it would not be all that uncomfortable to go out and turn a few pens so maybe?

I still have not started cleaning up and organizing my shack, but I did take a few minutes to design and print up some clip on stakes to keep stuff from rolling off the shelving\workbenches. This is a job that I am not looking forward to doing. But until I do, I can not get my glass lamp-working up and running which I find I am starting to get an urge to get going once again. I have an idea to make glass liqueur glasses that will have vines for stems. These will require I learn how to blow small glass vessels and a lot of practice... maybe a larger torch? Time will tell.

A bit of a set back, the USB cable that feeds one of my 3D printers decided to go up in smoke... magic smoke that is. I plugged in a new USB cable and it started working again. Whew! Then a week or so later, up in smoke again! This time, it took out the mother board and the Raspberry Pi I was using to control the printer. It turns out that the USB jack on the mother board was designed in such a way that it can allow the USB cable to shift and short out on the main board, hence the release of the magic smoke. I have since changed the way I am interfacing with the printer and this should not be a problem in the future. I hope. LOL That's about it for this month. Time to go play D &D.

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As usual I have included a few pictures for your entertainment.

Isometric view of the Advent Book

Book Opened, each tip out drawer is about 2" x 2"



It was a fun project!

Final Iteration of the radio controlled slope glider. The wing in the back ground has ailerons.

Alas I have decided to add spoilers to the Standard Wing.. So I am back to almost done!

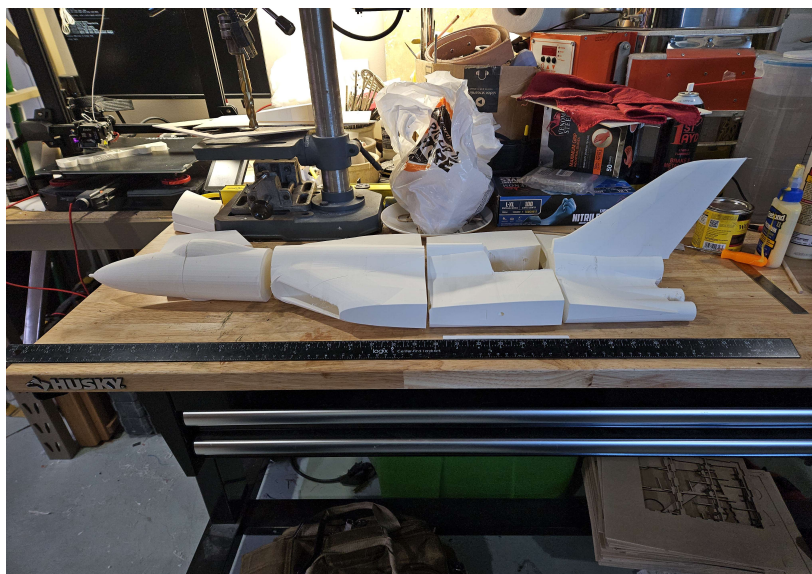
Here is the Standard Version

The aileron version (Note the black strips on the rear of the wing)



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The new bigger Jet All up id should weight about 20 oz. Takes about a week and a half to two weeks to print all the parts. This one will be motor-less, strictly for slope soaring. I will probably make a second one and add a ducted fan.



Lastly, here is a pic of the Ham Clock. It is a great introduction into using a Raspberry Pi and requires No soldering and no Programming. Its all been done for you! All you need is a Raspberry Pi 4, a couple cables, a power supply, an old computer monitor and a computer to load the pre-written program to a micro SD card. Oh yea, maybe a USB wireless mouse to make it easier to configure the clock once it is loaded into the PI. Interested? Come to the January meeting to learn more about this.



As always: May your signals be strong and your antennas have extra gain.

73

Kevin - W5LNA

Thoughts on Hamfest and Auction Items by Scott, NØAR

Tis' the Season! Soon it will be the annual auction and before you know it Midwinter Madness will be here. These are all a chance to exchange precious items between us. We all hope the outcome will be good not only for our pocket book but the Club's too. All too often I see items that might be of value sell for less than what it is worth. It looks like it's been in storage out in the barn for the last few years. So here's a few tips to make your valuable item shine.

First and foremost it has to have been tested. If it works put that on a note so the buyer can see. If it's not working put that down too. If you test the unit and say it's fine I'd expect the dials and knobs have to turn smooth. When you use it there can't be dead spots in the knob or noisy pots. There should not be dust, junk or anything else on the unit. This might mean you have to take off a decade or two of accumulation. Using a cleaning solution can be risky. Cleaners like 409 can not only remove dirt they can dissolve paint, so be careful what you use. You don't want to turn your item into junk. I recommend you search the web or head over to the local library for directions on rebuilding radios. A quick peek with the search engine showed lots of articles and pages of YouTube videos. Cleaning electronics isn't magic, it is just using the right solutions and knowing how to not ruin the original base material in the process.

Years ago I toured a facility that serviced and refurbished electronic units sent in for repair. Folks would send them a 20+ year old item that had run continuously for that time. Full of dust, dirt and whatever else could blow in the wind. In return they would send you a sparkling almost new looking unit that you would swear wasn't yours. The secret; (hold on)... Soap and Water. Then a good soaking in a low temperature controlled drying oven with lots of air flow. Once the unit had dried it was like new.

So you take your "works as expected" item and wrap it in Saran Wrap or a bag if it's small. Inside you put a note that states what you have done to it and how it works. No the buyers don't get to diddle the knobs. They can look at it and see just how shiny they are.

It's up to you if a "satisfaction guaranteed" statement is on the tag. This can lead to a whole lot of issues on everyone's part. But then again if you are looking for the top dollar it might be in your best interest to include it.

Mert Nellis Update by Craig, AAØZZ

Hi all,

I have some news about our friend Mert Nellis, WØUFO. Perhaps you can pass this along to his friends in the St. Paul Radio Club.

I talked to Mert on the phone today (Friday, Nov 8). About 2 weeks ago He fell at home and broke his hip. He had surgery about a week ago where got a total hip replacement, unlike the "hardware" that they added after he broke his other hip about 2-3 years ago.

He is now settled into Transitional Care at Langton Shores on County Road D in Roseville. He is not up to having visitors yet but his son and daughter will be helping him to get his computer moved over so he can get back on Email. Also, he is interested in getting rid of his radios and test equipment. Mert would love to see it go to a club or a new ham or similar. If someone has ideas, we can kick them around. We discussed putting it in the St. Paul Radio Club's auction in January so that's a possibility. (*The Board and auction committee will be working on this, Dale Maroushek*)

It is so heartbreaking to hear this sad news from our longtime friend, Mert. **Please pray for him.** I know this means a lot to him.

By the way, Mert is 99 years old and turns 100 in early March.

73, Craig AAØZZ

For Sale

KC9CDW's equipment is for sale because health reasons make it difficult to enjoy the hobby. KN9P is selling the equipment for him. Both are acquainted with Br. Bob, WCØJ.

Yaesu FT-1000MP

200watt HF 160-10 meter rig with antenna tuner. MD-100 microphone. \$795.00

Yaesu FT-450 HF and 6 meter with antenna tuner \$425.00

Yaesu FT-1802 2 meter radio. \$90.00

Yaesu FT-2800 2 meter radio. \$90.00

D-104 microphone with stand \$60.00

All prices negotiable. Will arrange shipping or pick-up

Contact KN9P Mike (920) 853-7073 or ortlieb587@gmail.com

December VE Report by Steve Scott WA7HPK

We tested four candidates at our November 2nd exam date – all for the technician class. All passed. Congrats to Blake Canham KFØSDT (St. Paul); Paul Daily KFØSJM (Wayzata); Steve Olson KFØSDR (vanity call application pending of Mahtomedi) and Billy Straub KFØSDT (Lindstrom). Please drop by their QRZ pages and sign their weblogs if they've activated one.

I uploaded their exam materials online on Sunday and two had their call signs by Tuesday, the 5th, another got his on the 6th but 2 weeks had passed by without the last candidate showing up on the FCC database. I called ARRL who discovered they accidentally sent that application to FCC with a transposed FRN number. I verified the correct FRN, ARRL resubmitted and the candidate got the notice their application was approved, pending payment that evening. ARRL had also introduced a typo on another applicant's street address and zip. That was corrected by the applicant after we found the correct link on the CORES site. Navigating FCC/CORES is not exactly straightforward.

Participating VE's were Ralph Beirbaum NØAWN; Michael Derner AEØTQ (his first accredited session); Scott Holisky NØAR; Terry Londroche NØGOI; Gregory Merth KCØREI; Andy Parent ABØNX; Curtiss Trout ACØCT and Michael Walsh KFØNYX (another 1st time VE).

As of this writing, we have three candidates and two hopefuls for the December 7 session @ Galilee, plus one who deferred until December as his HS girls cross country team had qualified for state and thus had a conflict for the November date. There is also another originally scheduled for October but hopefully will make the December date. We will also welcome John Wilcox WØJTW as our newest VE who just received his credentials.

Steve Scott WA7HPK

Club Wearables

Many different items with the Saint Paul Radio Club logo may be ordered at: <https://www.hamthreads.com/> Dale spoke with the owner Diane and she assured him they still have our logo in three sizes, hat/chest/back, so you can have it positioned on your favorite item wherever you like. You can shop on line, pick the clothing piece you

want, list the logo, name and callsign then pay. Sit back and it comes to your house. If you have questions, give them a call 817-602-1834

Public Service Events

By George Power KØGCP

If you have never participated in a public service event, please consider doing so. It helps to keep the participants and public safe, and it allows you to practice your amateur radio skills, have a lot of fun, and meet many like-minded people. There are two public service events in December, and more in the coming year. Stay tuned!

December 7 - The Arlidazzle Festival includes a 5k run around noon, a parade around 5:30 PM and fireworks around 7:30 PM. Lunch and dinner are provided by the town's Chamber of Commerce. Contact Don Burgess, kc0qna@yahoo.com, or 507-241-0270.

December 7 - ARA Nemadji Road Rally in Duquette, MN. Contact Eric Linner 612-382-5641 or Tyler Linner 651-472-1541

Saint Paul Radio Club Breakfast

Third Saturday of each month at 9:00 am



Denny's Restaurant
1664 University Ave. W.

One block West of Snelling Ave.
(Across from Ax Man)

BoD Meeting Minutes – by Art Thell, NØIWQ

Saint Paul Radio Club
Hereinafter referred to as “SPRC”
Board Meeting Minutes
11-01-2024

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

Dale Maroushek (Pres.)-NØPEY *	Kevin Welna (V. Pres.)-W5LNA *
Art Thell (Secy.)-NØIWQ *	George Power- (Treas.)-KØGCP*
Br. Bob Walsh-WCØJ *	Don Kelly-WA6ZMT R
Ralph Bierbaum-(P. Pres.)-NØAWN *	

Also present (If * or R):

Jay Maher-NJØM *	Jeff Iverson-WB9DAN	Dan Meyer-NØKFB *
Pete Guldán-KDØSQJ *	John Crabtree-KCØG *	Ben Otto-KEØRFZ
Janet Bierbaum KDØBZZ *	Dawn Holmberg WXØZ	Steven Scott-WA7HPK *
Andy Parent-KFØMJQ	Doug Lueck KØDLX	

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

President: Call for added agenda items: Auction and donated items added

Old Business:

Secretary’s Report:

Move to accept Minutes as published in the Ground Wave: George

Second: Kevin Passed

Treasurer’s report: George

General Fund: \$5927.42, Repeater Fund: \$1136.61, Education Fund: \$1255.38,

Total Cash on Hand: \$8319.41.

So noted and filed: Secretary

Art cautioned that with the downward trend in club memberships in general, that should be a consideration in spending.

CDH ARC Report: Br. Bob

Wind-damaged antennas serving WØCDH have been removed and repaired/replaced, thanks to capable assistance by SPRC volunteer members and members of the CDH Maintenance Dept.

Repeater Report: Dale:

Repeaters are working.

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Membership Report: Dale:
(58) members are paid to date for FY 2025.

Pres. Dale noted the \$50 donation from the Mining Club for the Field Day activity.

Website report: (stpaulradioclub.org)
George reported that Tom has the HTML code necessary. Kevin will check on progress.
Dale mentioned that the old website link is still there.

VE Report:
Testing date 11/2 has (5) candidates plus one prospective upgrade to Extra.
Minnesota Convention—(4) candidates passed.

Training Report: Pete
No class scheduled at this time.
Pete is accepting emails in an effort to schedule a new class for General after Jan 1.
He suggested that this would be a good opportunity for present General class review as prep. for Extra Class upgrade.

New Business:

Auction date Saturday, January 25, 2025. Preparation day January 24.
Dale mentioned that preparation is a big chore because of moving and staging equipment. He expressed his appreciation that, at the 2024 Auction, (17) members participated and made this project quite easy.

Dan, K9ALV, reports that the Scouts conducted an event for the Radio Merit Badge at during the weekend of October 26 at the scouting Museum in North St. Paul with (18) participants.
The Scouting event, Jamboree on the Air (JOTA) was on the weekend of 10/20.

Jay reported that the SPRC Christmas/Holiday Party will be after the (usually short) 12/6/2024 Board Meeting. Plans are for food tray and refreshments similar to last year's event.

Club Breakfast: November 16, 2024 at 9:00 AM.
(Normally third Saturday)
Place—Denny's at 1664 University Ave. W.—Across from the AxMan

Move: Second: Passed
7:00: Adjourn.

Membership Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club
Hereinafter referred to as “SPRC”
Member Meeting Minutes
11-01-2024**

7:30 Call to order by Pres. Dale

(34) Members present plus Remote.

President call for other agenda items_____

Old Business:

Treasurer’s report: George

General Fund: \$5927.42, Repeater Fund: \$1136.61, Education Fund: \$1255.38,

Total Cash on Hand: \$8319.41.

Membership report, Dale: (58) for FY 2025

Repeater Report, Dale: Working fine.

Website report:

Dale called for a volunteer Web Design Assistant from the group.

CDH ARC Report: Br. Bob

Wind-damaged antennas serving WØCDH have been removed and repaired/replaced, thanks to capable assistance by SPRC volunteer members and CDH Maintenance Dept. staff.

VE Report:

Testing date 11/2 has (5) candidates plus one prospective upgrade to Extra.

Minnesota Convention—(4) candidates passed.

Training Report: Pete

No class scheduled at this time.

Pete is accepting emails in an effort to schedule a new class for General after Jan 1.

He suggested that this would be a good opportunity for present General class review as prep. for an Extra Class series.

Dale suggested dual membership with the Mining Club. Their dues are \$8+ suggested donation. They hope to bring former station gear to the Tailgater in July.

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Loop Antennas:

Carl, NX0B and John, NOKCJ demonstrated two different loop antennas for the group. One was for the 20/40 MHZ spectrum and the other for higher frequencies. They received good participation and interest from the membership.

New Business:

Auction date Saturday, January 25, 2025. Preparation day January 24.

Ralph noted that the hardware and software to conduct the auction is available.

Dale mentioned that preparation is a big chore because of moving and staging equipment. He expressed his appreciation that, at the 2024 Auction, (17) members participated and made this project quite easy. Hope is for a similar turnout this year.

Jay reported that the SPRC Christmas/Holiday Party will be after the (usually short) 12/6/2024 Board Meeting. Plans are for food tray and refreshments similar to last year's event.

Mark gave a presentation on relatively inexpensive temporary lighting using movable mounts and swivel-mounted LED units.

Club Breakfast: November 16 at 9:00 AM. (Normally third Saturday)

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

Move to adjourn: Pete Second: Dan

Adjourn: 8:30

SPRC Contact Information

President	Maroushek, Dale NØPEY	n0pey@comcast.net	651-238-5720
Vice President	Welna, Kevin W5LNA	kwelna@gmail.com	651-354-5515
Past President	Bierbaum, Ralph NØAWN	rwbierbaum@comcast.net	612-201-9510
Treasurer	Power, George KØGCP	georgecpower@gmail.com	651-233-3215
Secretary	Thell, Art NØIWQ	thellaj@comcast.net	651-492-0254
Member At-Large	Kelly, Don WA6ZMT	dk@donkelly.biz	651-276-4838
Member At-Large	Walsh, Bob WCØJ	brw.fsc@gmail.com	612-201-0818
Ground Wave Editor	Meyer, Daniel NØKFB	dan@meyer-family.net	763-238-8239

SPRC Calendar

- Fri Dec 6 6PM SPRC Board meeting, Commons Meeting Room,
John R. Albers Center, Cretin-Derham Hall High School. *
- Fri Dec 6 7PM Socializing followed by 7:30 PM SPRC Membership meeting.
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Dec 7 9:30 AM Amateur Radio testing administered by the Saint Paul Radio Club
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd,
Roseville, MN. Reservations required; Contact Steve Scott WA7HPK,
Telephone 651-503-7441 or e-mail pipemajor2@gmail.com
- Sat Dec 21 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.
- Fri Jan 3 6PM SPRC Board meeting, Commons Meeting Room,
John R. Albers Center, Cretin-Derham Hall High School. *
- Fri Jan 3 7PM Socializing followed by 7:30 PM SPRC Membership meeting.
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Jan 4 9:30 AM Amateur Radio testing administered by the Saint Paul Radio Club
volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd,
Roseville, MN. Reservations required; Contact Steve Scott WA7HPK,
Telephone 651-503-7441 or e-mail pipemajor2@gmail.com
- Sat Jan 18 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.
- Sat Jan 25 8:30 AM – Noonish. SPRC Auction.
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

* - 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 for audio-only call in from any phone; dial 507-473-4847 and follow the prompts.

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.

SPRC Monthly Meeting

Time: May 3rd, 2024 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>