

 <a href="http://www.arrl.org">www.arrl.org</a>		<p align="center"><b>St. Paul Radio Club</b>  <b>Ground Wave</b></p> <p align="center"><i>Dan Meyer, NØKFB, Editor</i>  <i>Dale Maroushek, NØPEY, Publisher</i>  <a href="http://www.magicrepeater.net/sprc.htm">http://www.magicrepeater.net/sprc.htm</a></p>	<p align="center"><b>KØAGF</b></p> <p align="center">Club Repeaters:  145.310 MHz, 442.450 MHz  114.8 kHz tone  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 March 2023 – Volume 83, Issue 3

### NEXT MEETING: FRIDAY March 3, 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 me at 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 March Program will be presented by Mr. Matt Kaskavitch, K0LWC. Originally licensed as KC9LWC in Wisconsin, Matt K0LWC has been an active ham for over sixteen years. He regularly operates across a variety of modes including phone, FT8/FT4, CW, and is especially active in Digital Mobile Radio (DMR) and HF operations. After moving to the Twin Cities in 2020, he founded MinnesotaHamRadio.com -- an initiative dedicated to informing and engaging the Minnesota amateur radio community. Matt, a digital marketer by profession, has grown his ham radio social media following to over 35,000 amateur radio operators from across the world."

His program is titled "Importance of social media in ham radio" Social media has exploded in popularity over the past decade. Platforms like Facebook, Twitter and Instagram have become a routine part of our daily communications with friends and family -- but does it have a place in amateur radio? We'll cover the ham radio communities you'll find on social media and how you can use these new communication tools to promote ham radio and attract new hams to our wonderful hobby.

## The Prez Sez by Ralph Bierbaum NØAWN

Talk about timing... How about the February presentation on High Altitude Ballooning? We were all up to speed on balloon technology when China decided to send one over North America. That spawned a real wild west in the sky as any slow moving object was smoked with great enthusiasm. I've heard an air-to-air missile was used to down a \$12 hobby balloon. I sure hope it didn't belong to our February presenter.

Did everyone have fun in the "epic snowstorm"? Thankfully it wasn't nearly as bad (at least at my QTH) as predicted. My main concern was the wind, as our power lines have a lot of encroaching trees, near the high-tension line. All it takes is a touch and BOOM goes the line fuse then we're in the dark. Fortunately, nothing happened and clean up wasn't all that bad. I hope most of you took the opportunity to get a little on-air time.

How did everyone do at the MN QSO party? HF is getting better and better. Just before one of the Friendly Net get togethers on 28.310, I heard an adjacent frequency QSO going on and it wasn't from around here. As I dialed up and down the band, 10M was fairly busy. Time to get those Techs on the HF band and making some contacts.

The club VHF repeater is working well. KDØBZZ and I were well South of Cottage Grove and I heard the repeater, full scale and full quieting. Impressive!

KDØBZZ has collected quite a box full of prizes for the door prize raffle so be sure to bring those dollar bills for your door prize tickets and throw a couple in the refreshments can.

Remember, get on the air, the club repeaters could use some exercise and I am generally monitoring if in the car or in the office.

See you all at the March meeting.

73

DE NØAWN

## Dale's Details by Dale Maroushek NØPEY

Help me remember. Somewhere out here I lent an MFJ 2xx antenna analyzer to someone, and they tried to return it before they were done using it, so I said: keep till you are done with it. Just realized that I haven't heard from them since. Please contact me ASAP to clear the air about this.

Midwinter Madness is coming up and the club has decided to pay the way for four table sitters, better known as Club Representatives. The four of us will set up our table with the banner and copies of the Brochure, past GW's and other ARRL handouts. We rotate on and off the table so we can shop and talk. If you would like to join the "table group", represent the Club and encouraging prospective members to join, please stop by and talk to us. March 18<sup>th</sup> 0800 to close. Wearing club gear is recommended.

I'll let Jay tell us all about the Banquet coming up on April 22nd. Timely subject for the program about China.

Ray Johnson and I will be doing the May garage sale again this year, and I will be looking for others in my area to join us. I've called it the "progressive Hamfest" the last couple of years. The simple explanation is the "sellers" display their goodies at their QTH, and the "Buyers" drive to them to shop. No date has been set at this time.

Surprise! Our new siding was delivered unexpectedly on Monday the 20<sup>th</sup>. It was scheduled to be dropped on the 14<sup>th</sup>, and we heard nothing from them about that either. Haven't opened the boxes yet, cause of the storm, so we may not be out of the woods yet. Not sure how the guys will be able to tear off and replace all those areas with all this snow and ice around the house. The new color is a shade of green, so it will fit well with the St. Patties Day Party.

Welcome to Viet Nam! So there we are, landing at Bien Hoa Air Base, on a dark night, August 28<sup>th</sup>, 1968. You remember the date because it sets up your DEROS, Date Eligible Return Over Seas, which is one day earlier, or August 27<sup>th</sup>, 1969. We all disembark the plane, those that on regular orders, pick up their baggage and disappear into the night. All of us others have orders to the 90<sup>th</sup> Replacement Battalion, over in Long Bien, the very large Army base just down the road through town and out. We find our bags and load onto slightly modified buses. All the windows in these buses are covered with half inch mesh wire cloth, to keep "things" from being thrown in! Things that go Boom and kill people. We are still dressed in our "khaki (tan dress) uniform, no weapons and no idea what to do "just in case".

After the exciting trek through the village, getting glimpses of RVN reality we arrive at the 90<sup>th</sup>. I recall a group of two story "houches" and a Mess Hall all enclosed in wire fences so we would not get lost, or escape. I doubt much sleep was had that short night, with all the new noises and you all heard about the smell from the movies and books. Remind me to make up a recipe of what the smell was made of. We got out of the khaki's and put on jungle fatigues, for the rest of the year.

Those that knew more than we did, the personnel specialists, "cut" (printed and mimeographed copies, no copy machines or computers yet) or orders that sent us to our next destination. That being the 509<sup>th</sup> Radio Research Group, in Saigon. We had just enough time for a meal and drinks. Spent a night in a commandeered hotel with foam rubber mattresses on bunk beds, no A/C and old fans, and the bustle of 24 hour noise from the streets below. The next day more personnel guys and orders to the 303rd Radio Research Battalion, back in Long Bien! Yup, about a "click" from where we came from. We were in for a treat!

Recall a couple things here: if you are not assigned to a unit, or a job, you are eligible to be assigned to ANY job; and Military Construction Companies or Pacific Architects and Engineers don't have any manpower to do the work, you probably will be getting a new job. Well, the 303<sup>rd</sup> was building a couple of concrete pads for new Quonset Huts (tin sheds for barracks), and we were the concrete mixer operators! Just like on MASH when they poured the OR floor, measure the correct amount each of cement, sand, gravel, water and rocks, into the mixer, out into buckets or wheel barrows and CARRY it to the pad area. So this is day 3 and 4 in hot and humid RVN, doing hard labor, taking off our shirts (no tans yet) and not drinking enough water. Last week I was in MN!

Day five we go the personnel again, for further assignment. Now remember, the 12 of us that Trained at NSA for the Special mission, and we were supposed to go the Plieku, in the Highlands, according to what we were told and had seen on some ordered. So when the personnel guy came back to tell us we were going to Dong Tam, in the Delta, I finally spoke up and questioned him. Re re-read the orders and went to talk to another person. He actually came back and explained the Mission was destined to have the 12 trained personnel, in 3 locations, but since all of us did not come in together, we were being split between the locations as we arrived. Therefore, the four of us were assign the 175<sup>th</sup> Radio Research Company, in Bien Hoa Army Base. Thank goodness!

Onto a truck going that way, report to the Orderly Room, sign in, do paper work, down to our assigned bunks in the "houches" (half wood and half screen walls with sheet metal roofing and dirt covered bunkers out front), over to supply to get our "field gear" (M-14 Rifle w/2-loaded 20 round magazines, helmet w/band and bug juice squitter, flak jacket, utility belt with suspenders and poncho w/pegs and rope in the mini back pack, trenching tool) mosquito net and bedding. Back to set up our new home and back to the Orderly Room to meet the 1<sup>st</sup> Sgt, the XO and CO to get welcomed aboard. Enlisted personnel rule number one, the less you cross paths with those 3, the better off you will be.

When Google earth was new, I could go back and find the almost exact area, but it's all wiped clean now. I might have some pictures next time after I sort through a box I found. Some highlights of the area were: It was about 500 yards to the northeast of the east end of the runways at the Air Base. So we got to watch and hear all the planes coming and going from, at that time, the busiest airport in the world. The engine test platform was also on that end, so lots of noise. A good walk further northeast was a Fire Support artillery base, the big guns: 175MM 155MM 105MM 8 inch. Yes, your mind does learn the difference between incoming and outgoing shells.

Just to our north, was an e/w road that went to a corner, then south toward other units and a PX. It was a long walk in the hot sun to the PX and we had nothing with wheels to cart stuff back. So unless you got a ride in some vehicle, you carried your goodies all the way back. North of the road, a good ways out, was the defensive berm and towers. Between the berm and home we had a line of 3 single post 60 foot antenna supports with red blinking lights on top. The joke was the lights are needed to alert air traffic and as aiming stakes for the VC rocket attacks that got our blood going every so often. We worked Guard Duty about every 3 weeks and tower duty less than that. The towers were about 40 feet high and 500 yards apart with four bunkers and five fighting positions between them. Usually at night, we had four men in each bunker with an M-60 machine gun, M-79 launcher, our four rifles and a few grenades. Out front was a full five row barbed wire fence system with aprons and razor wire on top. The bunkers had the igniters for 3 or 4 Claymore mines and two 55 gal Foo gas barrels buried in the front row. The fighting positions were only used a couple times when intelligence told them something might be around. Further out in front of the fence, the Rome Plows (dozers) had pushed back the vegetation another 1000 yards, so Charlie would have had a long crawl to get close. The towers had an M-2 50 Cal Machine gun, two M-60's and the four man's rifles. And they had a starlight scope! Supposedly only to look at confirmed target reports. Yah, right. Played with it all night.

Each bunker and tower also had a field telephone for com checks every hour. We were put in formation at the base, inspected to make sure we had what we were supposed to have and not the other stuff, but then they let us go eat dinner and we could put food and beverages in the ruck sack and they never looked again. I mean, there were trash barrels out there already. The OD and NCOIC would cruise along the beam all night and stop to visit occasionally. I recall two nights during the rainy season and a typhoon going by, that we just hung the ponchos over the gun ports to keep the rain and wind out, the noise outside was too much to hear anything anyway.

Occasionally, if something was reported, a flare would be mortared up in the area and sometimes we actually got to lob a grenade out with the M-79. Never fired the M-60's but cleaned them after every duty, and never knew if my M-14 worked or not. Oh yes, we were the only unit near us that had the M-14, everyone else had the M-16, so ammo might have become a problem. The entire area had 24 hour air cover from Spooky (C-47 with 3 mini guns out the side) and stand by jets at a moment's notice.

To our south, lived the 20<sup>th</sup> Engineer Brigade HQ and one Battalion. They had a covered outdoor theater, we didn't, but we had a connected Enlisted and NCO club so we could buy liquor and not just beer. This was during the time when the 101<sup>st</sup> Airborne Div. moved up north to I Corp and the 1<sup>st</sup> Cavalry Div. moved down to III Corp, so the Engineers had to construct new stuff for them. That included a full Helo pad to our west that took some rockets a couple times.

One more thing that goes well with this section was the dirt. Red sticky slippery clay that when dry made dust all over and when wet, was mud that stayed with you. Some vegetation tried to grow in it and then died when it got dry. Our compound had cement sidewalks between the building and barrack and a nice crushed rock area inside for volley ball or sports. We also had full shower rooms, sinks and stools with hot and cold running water...when it was working...which was most of the time. But we also had the 3 hole outhouse in case of failure. Of course, we couldn't just bury the poop in the ground, so you sat over a cut down barrel that was then pulled out the rear trap door and some Diesel fuel was added, stirred and set on fire to burn it all up. Just one of the added aromas of the RVN air!

OK, I have established my new home and let you spend some guard duty with me. I will be looking for pictures and printouts about the 175<sup>th</sup> and describe our living conditions, mess hall, club entertainment, the burn unit, the riot and fire, my trip up to Phouc Vinh and the great Tet attack 199 failure.

Dale Maroushek, NOPEY

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

As I sit at my desk in the shack I can just barely see January in the rear view mirror. The big storm is starting to wane but has left behind over 12" of now. Tell me again why I live here!!?? At least the temperature is above 0.

It looks like we may have an offer on the old house, less than we wanted but more than we paid for it so I guess that's a win. I am looking forward to getting that monkey off my back and only having to deal with one home\house. Having to maintain 2 homes for the last 9 months has definitely cured me from wanting to buy a lake home. HI HI

Been listening in on 10 – 40 meters and trying to make a few contacts, but the "Big" stations just drown me out. It's tough to compete with 1000 watts when you are only pushing 100. Oh well that's just part of the hobby. I did manage to make a couple more contacts using CW so that's a plus. I still need a lot of practice in character recognition and to increase my speed. I do believe the key is working on Instant character recognition and I am a long ways off from having that ability. But I am getting better. Practice, Practice Practice!

I have finally started on my Ham project. (Memory Keyer using an ESP32) I'm still learning how to navigate and design a circuit board using a free online cad program called EasyEDA. It really kind of cool the way it works and is fairly easy to use. I am not an engineer, but I do have a small amount of electronic training from 40 years ago.....Yea like I remember any of it! The hardest thing is finding and deciding on which components I want on the board from the parts library which is huge. I think am I spending the bulk of my time with that task. Just too many choices. One of the nice features is that a lot of the components come with a picture so you can be assured you are selecting the right part. Once I figured that out, selecting parts became much easier. Its not hard at all, just a bit time consuming and since a lot of you are retired, I know you have time....HI HI

Anyway, its a 3-4 stage process to make a board. You must be careful to not overthink any of it, just go stage by stage and let the software do the work. You can always go back and change components with out totally starting over!

The first stage is to gather all the individual components and place them on the work board\grid. See picture on page 9. Truly this takes the longest amount of time. Again location and orientation is NOT important at this point. Just get them on the work space. Watching the You Tube video helped and gave me some great tips on organizing the work space and using some of the tools to simplify the schematic. Watch this video: <https://www.youtube.com/watch?v=MdcnkaAoDTE> - I found it quite helpful.

Once placed, I then grouped the components to make it easier to build each part of the schematic. At this point I started to orient the parts to each other again where they are located on the work surface is still not all that important.

That's it for now. We will move to the next steps next month.

So here's the thing, since we are making our own circuit boards, we can spread out the components a little bit so we have room to solder. The additional cost of a slightly larger board is minimal compared to the frustration of bridged solder joints. I am not getting any younger and my hands have never been super steady so this is a great way to "cheat".

The software is free and there are tons of HAM radio circuits out there for you to play with and build. Here is the link to get EasyPCB: <https://easyeda.com/>

You can even order the components parts right from them and they are CHEAP! Yes they do have minimum quantities on some components, but if a capacitor costs \$0.15\ea and you have to order 5 of them its still only \$0.75 plus you have spares for the next project!

Here's what I want you to do, download EasyEDA, find a simple schematic (Preferably Ham Radio related) \ and using the software create your first PC board. Or at the very least get the components onto the work space and wait for next months Ground Wave. Just play with it! I think you will find it quite easy and intuitive to use. You can't break it and it will help you learn how to use the software. It costs nothing to try. Did I mention its FREE? Don't get bogged down in the details, just take it one step at a time. While I am no expert by any stretch of the imagination, if you get stuck, call me and we can try to figure out any issue you run into.

Ham radio is a great pastime especially when winter sets in. This is yet another way to enjoy hobby and expand your scope of knowledge for little to no cost. Give it a try!

My model plane building is still going strong especially since spring is just around the corner (and maybe a block or two away). Alas there was a small incident that set me back a couple days on my planes. Lets just say that when your multi meter falls onto the wing and nacelle of a stick and tissue airplane, nothing good will come of it. See picture on page 10.



I have two more wild hares of late, first is I have decided I need a Laser Cutter and the second is I am designing an RC glider using 3D printed parts and carbon fiber tubes and hot wire cut foam wings. It is miles from the finish line but again it keeps me busy. More on this as it progresses. I am a bit excited as I have finally figured out how to 3D print using a couple more filament types, specifically PETG and TPU. This opens up a huge opportunity to print things I have previously avoided due to the type of filament needed. Ah the world is my oyster!

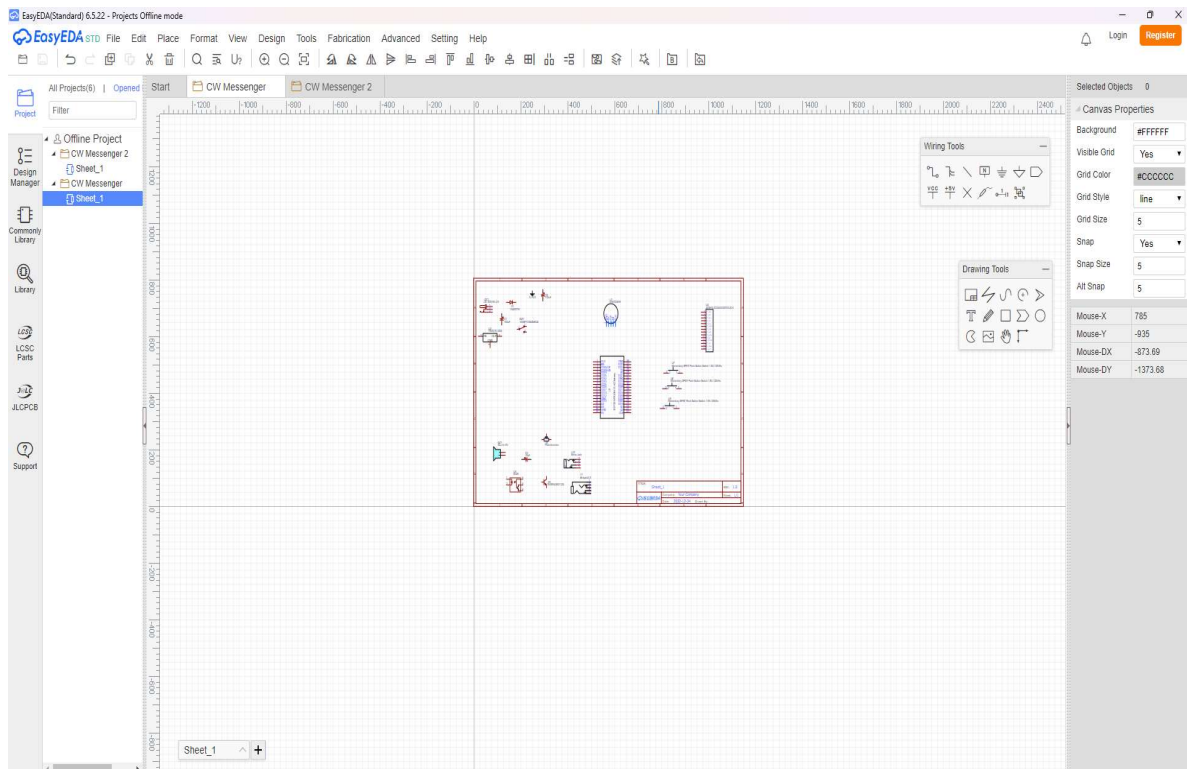
We have a banquet in the not too distant future. I am hoping you all can attend. It should be a good time and a great way to put faces with call signs. Its funny how no one looks like their voice until you get to know them.

That should do it for this month.

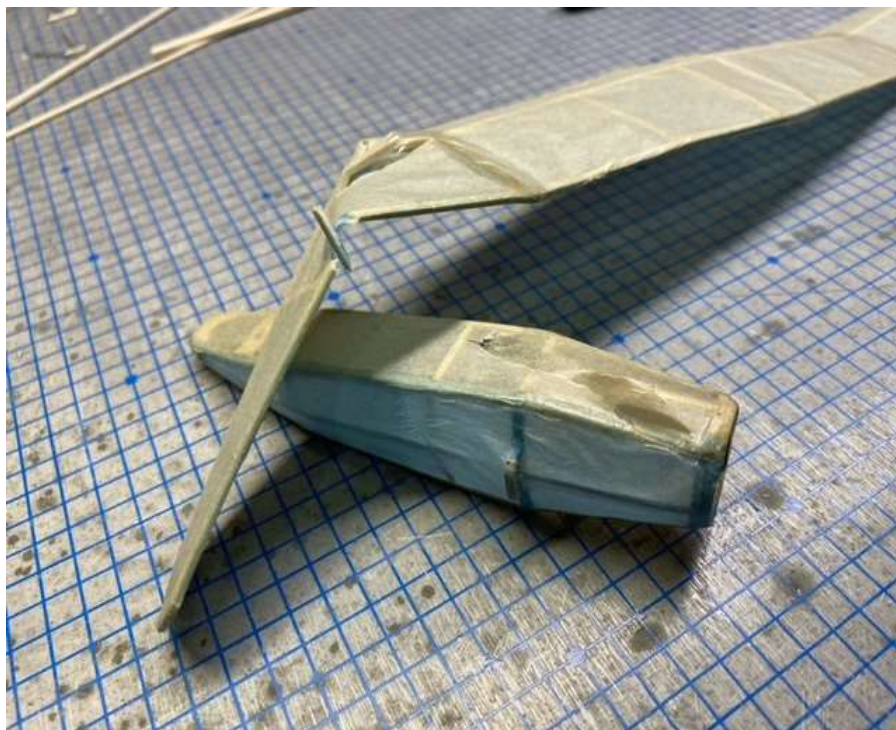
May your signals be strong and your antennas have extra gain....73

Kevin Welna VP W5LNA

A couple of pictures:



Parts placed and 1 set grouped....Sort of



OOPS!!! Stick and tissue and multi meters do not mix well. HI HI

## 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

## WANTED

**W**anted: travelers for Hamvention. Room for up to three to join me for the trek to Hamvention, May 19-21, with travel days adding 17-18 and 22. Large, well equipped RV with camping on-site at the event. That means we're inside the gate all the time. No waiting for the gates to open in the morning, or fighting the traffic to just get there. I'll need to have the travelers list confirmed by mid-March. For questions or interest, please contact Evelyn, WB0VHF. [wb0vhf@gmail.com](mailto:wb0vhf@gmail.com) or 952-923-3349

## Ultimate Station Upgrade by Pete Guldán KDØSQJ

It might not look like spring out my windshield trucking through that North Dakota place, but the hamfest season is springing up everywhere. One of the reasons we like them so much might be to find that one piece of gear that improves our station to get that DX station in the log. Most of those rare ones are in the Extra portion of the band. If you haven't upgraded your license class now is the time. Your radio club is helping you do this with Sunday Zoom sessions starting on March 19<sup>th</sup>. We will cover the General and Extra question pool and help you get the Ultimate Station Upgrade. We are also having the weekend "Ham Cram" for the Tech license March 11-12. If you or anyone you know would like to participate in these study sessions sign up by email to [kd0sqj@arrl.net](mailto:kd0sqj@arrl.net). The classes are FREE but the upgrade or refresher could be very valuable to your station log. Standard test fees are currently \$15 which is probably less than what you spend at that ham-fest. The FCC is not currently charging a fee to upgrade, but it's \$35 for new and renewed licenses. ARRL has a \$5 program for anyone under 18 years old so they need to let me know if they are under 18. Because the classes are all free we are also encouraging anyone who already has the license or upgrade to participate as well. A good refresher of the questions might help you be a smooth operator. 73

## Random Notes from the Editor by Dan Meyer N0KFB

Were you ever involved with Scouting when you were young? Did you ever earn a merit badge? Scouting and Merit Badges are still around, and the requirements to earn a Radio Merit Badge cover Amateur Radio, SWL'ing, Broadcasting and cellular telephones. Some of the assignments to earn the merit badge are fairly involved. Among them, "Using proper call signs, Q signals, and abbreviations, carry on a 10-minute real or simulated amateur radio contact using voice, Morse code, or digital mode." This sounds fairly simple to us, but think back to the first few contacts you made when you earned your license. Take a look at the Radio Merit Badge Workbook, I think you will find it interesting: <http://www.usscouts.org/mb/worksheets/Radio.pdf> or <https://tinyurl.com/3cxmf84x>

## HELP WANTED

Your St. Paul Radio Club is looking for a VE Liaison – someone to coordinate the amateur radio exam sessions.

Our exam year runs from September through June with a session on the first Saturday of each month, plus an additional session in conjunction with the MAGIC Repeater Tailgater in July. All sessions are being held at Galilee Lutheran Church in Roseville at 9:30 am.

No experience is necessary, as you will be provided with on-the-job training for five months if you act now. All you really need to qualify is a willingness to help out the club and your fellow hams. The person for this position needs to be 18 years of age or older; and never have had your amateur station or operator licenses suspended or revoked, hold a valid Amateur Extra class license and be an accredited ARRL Volunteer Examiner. To become a VE, you merely have to take an open book exam from the ARRL, and you don't even need to purchase a manual as it's all online. You don't even need to be a member of the ARRL to qualify!

We currently have a large team of experienced VEs who help out with the monthly exams so anyone volunteering for this position will have plenty of help. The time commitment for this position is about 3 hours per month plus the exam sessions themselves, which are typically another 2 hours. All paperwork / forms and instruction on their use will also be provided. This is a great opportunity for someone to help out our club with this important position. Please consider doing this. Contact Leon, WØCOE, with your willingness to help or with any questions by sending an email to [w0coe@arrl.net](mailto:w0coe@arrl.net).

***Leon, WØCOE***

# January Board Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club**  
**Hereinafter referred to as “SPRC”**  
**Board Meeting Minutes**  
**02-03-2023**

Board members present: (present \*)

Ralph Bierbaum-(Pres.)-NØAWN*	Kevin Welna (V. Pres.)-W5LNA *
Art Thell (Secy.)-NØIWQ*	George Power- (Treas.)-KØGCP*
Br. Bob Walsh-WCØJ*	Ben Otto-KEØRFZ *
Lou Michaels (Pres.)-WD8NOV*	

Also present:

Jay Maher-NJØM*	Jeff Iverson-WB9DAN	Dale Maroushek-NØPEY*
Pete Guldán-KDØSQJ	John Crabtree-KCØG*	
Janet Bierbaum KDØBZZ *	Members on Zoom:	

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**6:02 Ralph** called the meeting to order.

President: Call for added agenda items:

George:	Support MN QSO Party?
	Participate in Midwinter Madness on 3/18?
Ben Otto:	Participate in St. Cloud Hamfest?

Suggestion framed by Dale for SPRC to furnish tickets for 4 people to man a SPRC table at Midwinter Madness.

George stated he will arrange the prepaid tickets

Moved by Art          Second by Kevin          Approved

## Old Business:

Secretary's report:

Art moved to accept the January Minutes as published in Ground Wave.

Seconded by Lou          Approved.

Treasurer's report: George

General Fund: \$9722.22,      Repeater Fund: \$1204.25,      Education Fund: \$1307.00

Total Cash on Hand: \$12,233.47.

Move Art          Second Kevin          Approved

Repeater Report: Dale:        System works.

Membership Report: Dale:  
121 paid members

Training Report: Pete:  
See Member Minutes

Circuit Builders: Kevin  
Will contact Jeff at CDH for class space.  
Br. Bob advised that, because of security, this would just be for CDH students.

Auction: Ben, Dale  
Smaller crowd and smaller volume recorded.

George reported financials:

Deposits Cash	\$1952.20	Paid out: Cash box	\$400.00
Checks	1390.60	Tickets	192.54
		Food	33.27
Totals	<u>\$3342.80</u>		<u>\$615.81</u>
Net:	\$2726.99		

Note: These are preliminary figures, subject to developments.

Note: Approval for acceptance of this and the final figure donated to the ARRL Spectrum Defense Fund will require approval at the March meeting.

Banquet: Jay  
Banquet is scheduled for April 22 at Jameson's on Smith Ave. & Annapolis St. in W. St. Paul.  
Speaker is arranged. Select menu choice.  
Guests are asked to confirm attendance and menu choice with Jay by April 1.  
Cost is \$30 per person. Club will cover \$15. Cost will be \$15 per guest.  
Moved by Art        Seconded by Lou        Passed.

### **New Business:**

Art: Field Day. Bring ideas to March meeting  
Ralph: Club needs more people active to share the duties.

Adjourn:  
Move: Art        Second: Lou        Approved  
**6:51: Adjourn.**

# December Membership Meeting Minutes – by Art Thell, NØIWQ

Saint Paul Radio Club

Hereinafter referred to as “SPRC”

Member Meeting Minutes

2023-02-03, 7:30 pm

**7:32 Call to order** by Ralph Bierbaum

\_\_32\_\_ Members present plus Remote.

Treasurer’s Report,

General Fund: \$9722.22 Repeater Fund, \$1204.25 Education Fund: \$1307.00

Total: \$12, 233.47

Membership Report, Dale:

121 paid for 2023

Repeater Report, Dale:

System works.

Training Report, Pete:

Ham Cram for Tech scheduled for 3/11-12. Testing on 3/12.

General Classes beginning 3/19. Tentative to interest

Plan is 2:00 for General and 3:00 for Extra Class.

Already licensed Hams would have free access for refresher course.

Auction: Ben & Dale.

George reported tentative financial results:

Deposits Cash	\$1952.20	Paid out: Cash box	\$400.00
Checks	1390.60	Tickets	192.54
		Food	33.27
Totals	<u>\$3342.80</u>		<u>\$615.81</u>
Net:	\$2726.99		

Hamfest: March 18. Midwinter Madness at Buffalo, MN

Note: The SPRC Club Breakfast is rescheduled to March 11 to accommodate.

Club needs volunteers for this and other events to share the fun!



Banquet:

April 23 at Jameson's Bar & Restaurant on Smith Ave. at Annapolis St. W. St. Paul

Cost \$15 per person.

Confirm attendance with Jay by April 1 along with your menu choice. Not refundable.

Speaker is arranged. Club is covering ½ of the \$30 per person cost.

Other business & activities:

Field Day: Bring your ideas next month to the Board Meeting.

MN QSO Party this weekend.

Other Special events??

POTA:

**Club Breakfast:** Third Saturday, February 18 at 9:00.

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

Thanks all for the excellent attendance in recent months!

**Program:** STEM for Youth, Weather Balloons

Presented by the STEM Director

St. John the Evangelist Catholic School in PA.

Interesting report on their experiences and picking your way between what works and what doesn't.

**Adjourn: 8:45**

Right: While half paying attention to the Superbowl pre-game show in February, Dawn and I happened to see this familiar face in a commercial. We have not checked, but we believe this is past president of the Saint Paul

Radio Club Lou Michaels WD8NOV.

Photo by Dawn Holmberg WX0Z





## **SHORTWAVE LISTENING TOOK ME TO CHINA...FREE!**

**How getting a QSL led me to the Great Wall**



**Hear the story at The Saint Paul Radio Club Banquet  
at Jameson's Restaurant on Saturday, April 22<sup>nd</sup>.**

### **St. Paul Radio Club Breakfast**

**Saturday February 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)**



Left: Ralph, Dale and Pete working hard at the auction  
Both photos by Janet Bierbaum KD0BZZ

Below: Attendees at the auction observing and bidding.



Below: John N0KCJ demonstrating his loop antenna at the February meeting.



Both photos by Dawn Holmberg WX0Z

Right: A few of the hams that attended the "Hams on Ice" event.

This month's guest speaker, Matt Kaskavitch K0LWC has created a short video on Hams on Ice and Hams in the Park. See [https://youtu.be/24yy\\_k-rRx0](https://youtu.be/24yy_k-rRx0) or <https://tinyurl.com/59j8cjh>



## Officer Contact Information

President	Bierbaum, Ralph, NØAWN	<a href="mailto:rwbierbaum@comcast.net">rwbierbaum@comcast.net</a>	612-201-9510
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## SPRC Calendar

Fri Mar 3 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*

Fri Mar 3 7PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat Mar 4 10AM VE testing. Galilee Lutheran Church.  
145 N McCarrons Blvd, Roseville, MN 55113. Reservations required.  
No walk-ins until further notice. Contact Leon Dill, WØCOE@arrrl.net or 651-425-0338.

Sat Mar 11 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.  
**NOTE: The date has changed**

Sat Mar 18 8AM-Noon Midwinter Madness Hamfest.  
Buffalo Civic Center. 1306 County Rd 134, Buffalo MN 55313

Fri Mar 31 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*

Fri Mar 31 7PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat Apr 1 10AM VE testing. Galilee Lutheran Church.  
145 N McCarrons Blvd, Roseville, MN 55113. Reservations required.  
No walk-ins until further notice. Contact Leon Dill, WØCOE@arrrl.net or 651-425-0338.

Sat Apr 15 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Sat Apr 22 5:30 – 9:30 pm Saint Paul Radio Club Banquet.  
Jameson's Irish Bar, 886 Smith Ave S, West Saint Paul.

*\* 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).

Saint Paul Radio Club is inviting you to a scheduled Zoom meeting.

Topic: SPRC Monthly Meeting

Time: Feb 3, 2023 06:00 PM Central Time (US and Canada)

Feb 3, 2023 06:00 PM

Mar 3, 2023 06:00 PM

Mar 31, 2023 06:00 PM

May 5, 2023 06:00 PM

To Join the Zoom Meeting use this link:

<https://us02web.zoom.us/j/87882794434?pwd=bGdueVVhNmZXVjQrRjFOL2tZMlhmZz09>

or

<https://tinyurl.com/2tyybeuc>

Meeting ID: 878 8279 4434 Passcode: 6512764838

One tap mobile +13092053325,,87882794434#,,,,\*6512764838# US

For audio-only, dial +1 312 626 6799 US (Chicago)

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

Please download and import the following iCalendar (.ics) files to add the meeting to your calendar

system: <https://us02web.zoom.us/meeting/tZMlf-uvpz8uGdAS6lYyFBq9uL1cXxTVtmJ-/ics?>

[icsToken=98tyKuGvpjMoHd2RtBqDRpwEGoqga-3xmClbjad8r0nMOjl1QbKvI84TMYpnJO7E](https://us02web.zoom.us/j/kuWkjhGiz)